Cornell University Vineyard Research Lab
412 East Main Street
FREDONIA, CHAUTAUQUA COUNTY, NEW YORK

Final Engineering Report

NYSDEC Site Number: V00417

Prepared for:
Kaleida Health
726 Exchange Street,
Buffalo, NY 14210

Prepared by:
C&S Engineers
141 Elm Street,
Buffalo, NY, 14203

DECEMBER 2025

CERTIFICATIONS

I, H. Nevin Bradford, am currently a registered professional engineer licensed by the State of New York, I had primary direct responsibility for implementation of the remedial program activities, and I certify that the Intrusive Activities Work Plan was implemented and that all construction activities were completed in substantial conformance with the Department-approved Intrusive Activities Work Plan.

I certify that the data submitted to the Department with this Final Engineering Report demonstrates that the remediation requirements set forth in the Intrusive Activities Work Plan and in all applicable statutes and regulations have been or will be achieved in accordance with the time frames, if any, established for the remedy.

I certify that all documents generated in support of this report have been submitted in accordance with the DER's electronic submission protocols and have been accepted by the Department.

I certify that all data generated in support of this report have been submitted in accordance with the Department's electronic data deliverable and have been accepted by the Department.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, H. Nevin Bradford , of 499 Col. Eileen Collins Blvd., Syracuse, New York am certifying as Owner's Designated Site Representative and I have been authorized and designated by all site owners to sign this certification for the site.

086008	12/03/2025	
NYS Professional Engineer #	Date	Signature



Registration Expires: 04.31.2026

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LIST OF ACRONYMS

Acronym	Definition
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Plan
CPP	Community Participation Plan
CQAPP	Construction Assurance Project Plan
DUSR	Data Usability Summary Report
HASP	Health and Safety Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PID	Photo-Ionization Detector
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
RAO	Remedial Action Objectives
IAWP	Intrusive Action Work Plan
RI	Remedial Investigation
SCO	Soil Cleanup Objectives
SEQRA	State Environmental Quality Review Act
S/MMP	Soil / Materials Management Plan
SOP	Site Operation Plan
SVOC	Semi-Volatile Organic Compound
SWPPP	Storm-water Pollution Prevention Plan
USEPA	United States Environmental Protection Agency
VCA	Voluntary Cleanup Agreement
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
WP	Work Plan

FINAL ENGINEERING REPORT

1.0 BACKGROUND AND SITE DESCRIPTION

Cornell Vineyard Research Laboratory entered into a Voluntary Cleanup Agreement (VCA, Site Number: V00417) with the New York State Department of Environmental Conservation (NYSDEC) in February 2001 to investigate and remediate a 2.02-acre portion of the larger 60-acre property located in Village of Fredonia, Town of Pomfret, Chautauqua County, New York. The property was remediated to commercial use and will be used for a medical center.

From 1964 until 2011, the 60-acre Site operated as a Cornell University pesticide testing laboratory, experimenting on vineyards. The 2.02-acre area remediated through the Voluntary Cleanup Program (VCP) was used for storage of pesticides, herbicides, and equipment during the operations. Prior to pre-construction of the medical center, a Phase II Environmental Site Assessment (ESA) was conducted to determine the extent of any contamination remaining on the 60-acre site. During the 2024 sampling event, surface soil sample SB-04-0-6in had a Commercial Use Soil Cleanup Objective (SCO) exceedance for Benzo(a)pyrene, a Semi-volatile Organic Compound (SVOC). Soil boring SB-04 was collected in the VCP area from an area approximately 25' east of a former pesticide decontamination pad / storage which is likely responsible for the exceedance.

The site is located in the County of Chautauqua, New York and is identified as a portion of a larger property on the Chautauqua County Tax Map # 113.08-1-28. The site is situated on an approximately 60-acre area bounded by Walmart Supercenter to the north, commercial properties and Bennett Road to the south, residential properties and East Main Street to the east, and farmland to the west (see Figure 1). The boundaries of the site are fully described in Appendix A: Survey Map, Metes and Bounds and Appendix F: Environmental Easement.

2.0 SUMMARY OF SITE REMEDY

2.1 REMEDIAL ACTION OBJECTIVES

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) were identified for this site.

2.1.1 Soil RAOs

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.
- Prevent impacts to biota due to ingestion/direct contact with contaminated soil that would cause toxicity or bioaccumulation through the terrestrial food chain.

2.2 DESCRIPTION OF SELECTED REMEDY

The site was remediated in accordance with the remedy selected by the NYSDEC in the Intrusive Activities Work Plan (IAWP) dated and approved August 28, 2025.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

- A remedial program was implemented to excavate soil in the area of SB-04 where benzo(a)pyrene exceeded Commercial Use Soil Cleanup Objectives (SCOs).

3.0 INTERIM REMEDIAL MEASURES, OPERABLE UNITS AND REMEDIAL CONTRACTS

The remedy for this site was performed as a single project, and no interim remedial measures, operable units or separate construction contracts were performed.

4.0 DESCRIPTION OF REMEDIAL ACTIONS PERFORMED

Remedial activities completed at the Site were conducted in accordance with the NYSDEC-approved IAWP for the 412 East Main Street site (August 2025). Any deviations from the IAWP are noted below.

4.1 GOVERNING DOCUMENTS

4.1.1 Construction Quality Assurance Plan (CQAP)

The Construction Quality Assurance Plan (CQAP) was detailed in the Intrusive Activities Work Plan and managed performance of the Remedial Action tasks through designed and documented QA/QC methodologies applied in the field. The CQAP provided a detailed description of the observation and testing activities that were used to monitor construction quality and confirm that remedial construction was in conformance with the remediation objectives and specifications.

This plan included:

- Documentation of the movement and handling of soil from the SVOC contamination area. Contractor was to notify the Construction Manager and C&S a minimum of 72 hours prior to start of intrusive work involving handling of contaminated materials;
- Appropriate communication with NYSDEC and NYSDOH;
- The documentation and certifications on all work completed on the VCP site as required by Section 5.8 of DER-10;
- Preparation of daily logs that describe environmental activities relevant to the VCP. Daily logs included:
    - A description of daily activities keyed to an alpha-numeric map for the Site that identifies work areas. These reports include a summary of CAMP results, odor and dust excursions and corrective actions, and all complaints received from the public.
    - A summary of any and all complaints with relevant details (names, phone numbers);

- Daily reports are not intended to be the mode of communication for notification to the NYSDEC of emergencies (accident, spill), requests for changes to the Work Plan (WP) or other sensitive or time critical information. However, such conditions were also to be included in the daily reports. Emergency conditions and changes to the WP were to be addressed directly to NYSDEC Project Manager via personal communication.
    - Prior to the approval of the IAWP and during remediation, these conditions were adhered to during work. No emergencies, requests for changes to the Work Plan, or other time critical matters were encountered during remediation.

4.1.2 Soil/Materials Management Plan (S/MMP)

An S/MMP was described in the IAWP. The S/MMP described the specific procedures for managing soil/fill at the Site, including excavation, stockpiling, off-site transportation, collecting analytical samples and backfill for the Site.

All remedial intrusive activities were in accordance with the S/MMP.

Soil was excavated from the 20ft by 20ft target area to a depth of 12 inches below grade surrounding SB-04. A C&S scientist examined and screened the removed soil for visual and olfactory observations and for total volatile compounds using a photoionization detector (PID). No PID reading, obvious odors, or staining was observed. The material was direct loaded for off-site disposal. No soil was segregated for reuse on Site.

Good housekeeping practices were followed during excavation activities to prevent leaving contaminated material on the ground surface (e.g., precautions were taken to prevent impacts to the ground surface due to material spilled from the excavator bucket).

4.1.3 Community Air Monitoring Plan (CAMP)

Air monitoring was performed at all times when excavation was being conducted. Previous sampling results indicated that volatile organic compounds (VOCs) were not an air quality contaminant of concern for the Site.

A Community Air Monitoring Plan (CAMP) was developed and implemented for this Site. Particulate and VOC monitors were used at an upwind and downwind location.

Measurements of particulate (dust) concentrations were continuously monitored and logged every 15 minutes. Air monitors were moved throughout the day, (as needed) as winds shifted direction. Due to the wind conditions on Site the monitors were moved multiple times, including more than once on some days; there were no permanent locations of the monitors.

If downwind concentrations exceeded 0.15 mg/m3 over 15 minutes, or if excessive visible dust on the roads and air were visually observed, dust suppression measures were to be implemented. These measures included using a water truck to wet the surface of any area that was producing dust and wetting/sweeping sediment from public roadways around the Site. No exceedances were encountered therefore no dust suppression methods were required.

The action level for VOC concentrations was set at 5 parts per million (PPM) above the upwind monitor for the 15-minute average. If this was exceeded work would be temporarily halted and monitoring continue, however, this was not required during the remediation. An air monitoring log is included in Appendix C: Daily Work Reports.

4.1.4 Contractors Site Operations Plans (SOPs)

The Remediation Engineer reviewed all plans and submittals for this remedial project (i.e. those listed above plus contractor and subcontractor submittals) and confirmed that they were in compliance with the IAWP. All remedial documents were submitted to NYSDEC in a timely manner and prior to the start of work.

4.2 REMEDIAL PROGRAM ELEMENTS

4.2.1 Contractors and Consultants

C&S Engineers served as the Engineer of Record for the Intrusive Activities Work Plan and all remedial action described in this FER. The following contractors also completed various tasks as noted:

- Lakeshore Paving Inc. performed the excavation and transportation of contaminated soil off-site to the landfill. Lakeshore Paving Inc. is a NYSDEC permitted waste hauler, permit number 9A-761;

- Chautauqua County Landfill, performed the disposal of the contaminated soil;
- Stark Gravel Products for recycling concrete removed from the site;
- Pace Analytical Services LLC, performed analytical analysis related to soil contamination;
- Environmental Data Usability reviewed and validated analytical data packages from Pace Analytical Services LLC.

Documentation of agency approvals required by the IAWP is included in Appendix B. Other non-agency permits relating to the remediation project are also provided in Appendix B.

4.2.3 General Site Controls

Soil surrounding the area of concern was excavated and immediately placed into dump trucks to prevent stockpiling of materials. Equipment decontamination occurred at the completion of remedial activities. Decontamination procedures consisted of brushing clean loose debris and soil from equipment.

4.2.4 Nuisance controls

C&S conducted air monitoring during the excavation activity. No dust was generated from trucks entering or leaving the excavation area.

No odor control was required during the implementation of the Intrusive Activities Work Plan.

Good housekeeping practices were followed during excavation activities to prevent leaving contaminated material on the ground surface (e.g., precautions were taken to prevent impacts to the ground surface due to material spilled from the excavator bucket).

4.2.5 CAMP results

C&S performed air monitoring at all times when intrusive activities, and when activities associated with contaminated material removal were being conducted per the CAMP provided in Attachment A of the IAWP.

A CAMP was developed and implemented for this Site. Particulate monitors were placed at upwind and downwind locations, depending on the work area and wind direction. The monitors were calibrated each day. Measurements of particulate (dust) concentrations were continuously monitored and logged every 5 minutes. Air monitors were moved throughout the day as needed, as winds shifted direction. In addition, VOCs were also monitored using a PID at upwind and downwind locations. The PIDs were calibrated each day.

The action threshold for VOCs established in the CAMP was 5ppm above background. No exceedances of VOC concentrations occurred during mass excavation.

A particulate monitor was also used to monitor for dust, with the action level set at 100 micrograms per cubic meter over background during a 15-minute average. If this limit were to be exceeded, dust suppression techniques would have been employed. No exceedances were encountered therefore no dust suppression methods were required. Copies of all field data sheets relating to the CAMP are provided in electronic format in Appendix C.

4.2.6 Reporting

During remedial activities, C&S personnel was on-site and recorded notable activities; these notes were then formalized in a daily report. Daily reports are included in electronic format in Appendix C.

Sampling completed during the investigation and remediation process was documented in the NYSDEC EQuIS database. Investigation sampling results were submitted on September 29, 2025.

The digital photo log required by the IAWP is included in electronic format in Appendix C.

4.3 CONTAMINATED MATERIALS REMOVAL

An area of native soil containing the SVOC benzo(a)pyrene above Commercial Use SCOs was identified at location SB-04 at a depth of 0-6 inches. This area of soil was excavated under the approved IAWP on September 2, 2025. To confirm that soil exhibiting SVOC at concentrations above Commercial Use SCOs was effectively removed,

confirmatory sampling was conducted. This sampling included soil from 1 foot below grade at the original location of the exceedance, and samples at the four cardinal directions around the location. This resulted in a 20'x20'x1' area of excavation surrounding SB-04. Grab samples collected were analyzed for SVOCs via USEPA Method 8270D.

A list of the soil cleanup objectives (SCOs) for the contaminants of concern for this project is provided in Table 1 as well as the results from endpoint confirmatory sampling.

A figure of the location of original sources and areas where excavations were performed is shown in Figure 2.

4.3.1 Disposal Details

On September 2, 2025, Lakeshore Paving (DEC Permit #9A-761) disposed of 16.13 tons of soil and 5.36 tons of construction and demolition debris (C&D) at the Chautauqua County Landfill, 3889 Towerville Road, Jamestown, New York 14701. Demolition debris included the concrete exterior of two closed fuel tanks on site, and protective bollards surrounding the tanks. In addition to the contaminated soil, Lakeshore Paving removed 520 tons of concrete from preexisting structures on site. The concrete was brought to Stark Gravel Products, 3030 Strunk Road, Jamestown, NY. Manifests and bills of lading are included in electronic format in Appendix B.

Letters from Applicants to disposal facility owners and acceptance letters from disposal facility owners are attached in Appendix B.

4.3.2 On-Site Reuse

No soil was reused on site.

4.4 REMEDIAL PERFORMANCE/DOCUMENTATION SAMPLING

A table and figure summarizing all end-point sampling are included in Table 1 and Figure 2.

Data Usability Summary Reports (DUSRs) were prepared for all data generated in this remedial performance evaluation program. These DUSRs are included in Appendix D, and associated raw is provided electronically in Appendix E.

4.5 IMPORTED BACKFILL

Tables summarizing chemical analytical results for backfill, in comparison to allowable levels, are provided in Appendix F. A total of 42.43 tons of crushed #3 / #4 stone, and 402 tons of screened gravel were brought onto the site. Due to the composition of the #3 / #4 stone, this was sampled as a soil requiring analytical testing. Both imported materials were approved by the NYSDEC on October 6, 2025, and approval documentation can be seen in Appendix B. A figure showing the site locations where backfill was used at the site is shown in Figure 2.

4.6 CONTAMINATION REMAINING AT THE SITE

No contamination is remaining at the Site.

4.7 OTHER ENGINEERING CONTROLS

The remedy for the site did not require the construction of any other engineering control systems.

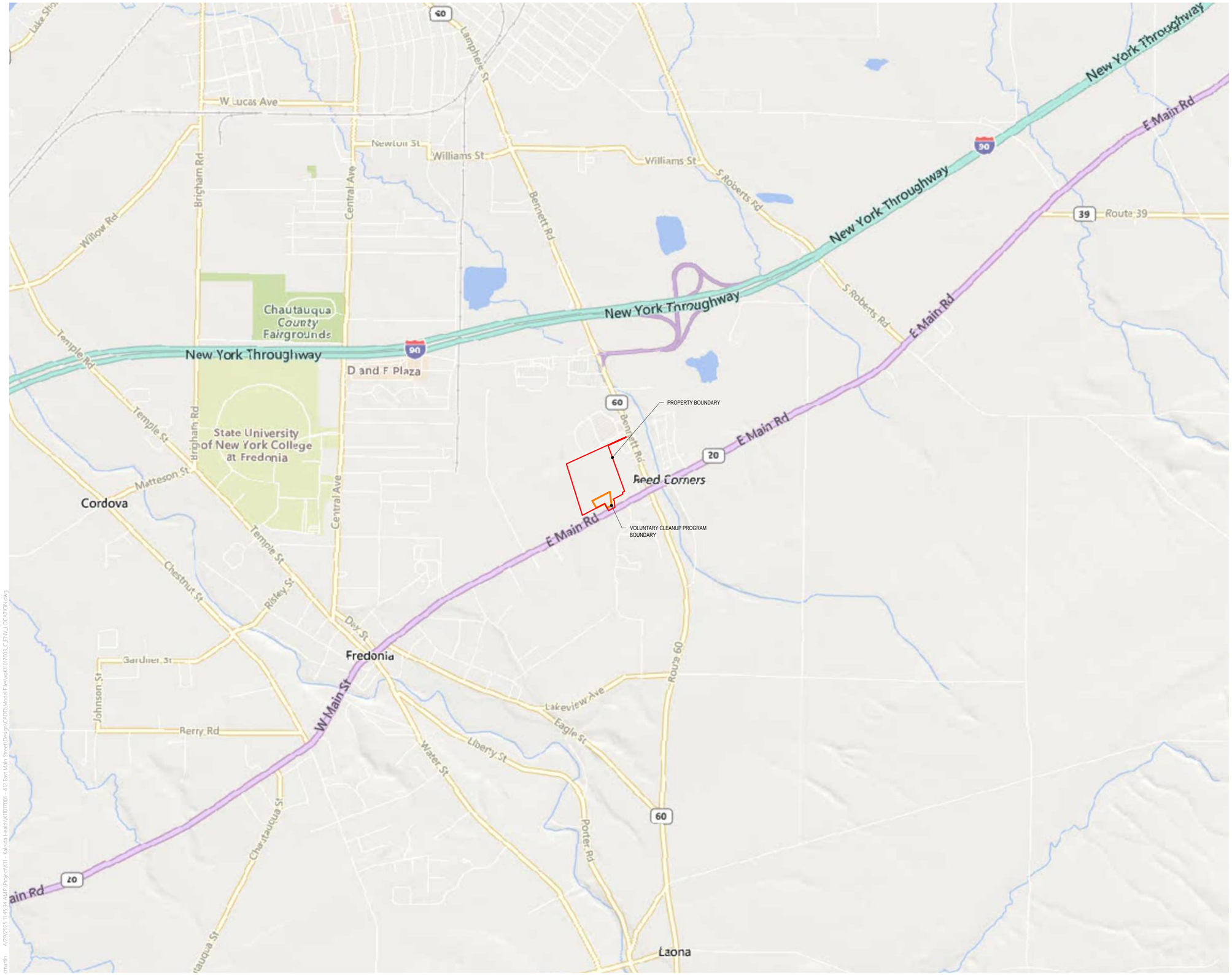
4.8 INSTITUTIONAL CONTROLS

The environmental easement for the site was executed by the Department on May 29, 2009, and filed with the Chautauqua County Clerk on June 23, 2009. The County Recording Identifier number for this filing is D026790569. A copy of the easement and proof of filing is provided in Appendix G.

4.9 DEVIATIONS FROM THE INTRUSIVE ACTIVITIES WORK PLAN

There were no deviations from the IAWP.

FIGURES



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cmahn

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Figure 1

Site Location

0 1000' 2000'

1" = 1000'

When printed on 24 in. by 36 in.

Former Cornell University Vineyard Research Lab Voluntary Cleanup Program

Sources: 2025 Microsoft Corporation; 2025 TomTom



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Figure 2

Excavation Area (VCP Area)

Property Boundary

Volunteer Cleanup Program Boundary

Confirmatory Soil Sample Location

ID	Sample Name
1	SB-04-CONF-N-1FT
2	SB-04-CONF-E-1FT
3	SB-04-CONF-S-1FT
4	SB-04-CONF-W-1FT
5	SB-04-CONF-D-1FT



Registration Expires: 04.31.2026

N

0 30' 60'

1" = 30'

When printed on 24 in. by 36 in.

Former Cornell University Vineyard Research Lab Voluntary Cleanup Program

Sources: Concept Plan, Northern Chautauqua Hospital, CPL, 2/12/2025

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TABLES

Table 1

Confirmatory Sampling Results

Project Name: 412 E. Main Street Fredonia																
Analyte	Commercial Use SCO		**SB-04-CONF-D-1Ft**		**SB-04-CONF-E-1Ft**		**SB-04-CONF-N-1Ft**		**SB-04-CONF-S-1Ft**		**SB-04-CONF-W-1Ft**	
2,4,5-Trichlorophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2,4,6-Trichlorophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2,4-Dichlorophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2,4-Dimethylphenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2,4-Dinitrophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2,4-Dinitrotoluene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2,6-Dinitrotoluene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2-Chloronaphthalene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2-Chlorophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2-Methylnaphthalene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	43	ug/Kg
2-Methylphenol	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2-Nitroaniline		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
2-Nitrophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
3,3'-Dichlorobenzidine		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
3-Nitroaniline		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4,6-Dinitro-2-methylphenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Bromophenyl phenyl ether		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Chloro-3-methylphenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Chloroaniline		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Chlorophenyl phenyl ether		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Methylphenol	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Nitroaniline		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
4-Nitrophenol		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Acenaphthene	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Acenaphthylene	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Acetophenone		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Anthracene	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	85	ug/Kg
Atrazine		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Benzaldehyde		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Benzo[a]anthracene	5600	ug/Kg	ND	ug/Kg	ND	ug/Kg	340	ug/Kg	ND	ug/Kg	450	ug/Kg
Benzo[a]pyrene	1000	ug/Kg	90	ug/Kg	63	ug/Kg	430	ug/Kg	300	ug/Kg	430	ug/Kg
Benzo[b]fluoranthene	5600	ug/Kg	110	ug/Kg	90	ug/Kg	640	ug/Kg	420	ug/Kg	520	ug/Kg
Benzo[g,h,i]perylene	500000	ug/Kg	72	ug/Kg	51	ug/Kg	400	ug/Kg	250	ug/Kg	360	ug/Kg
Benzo[k]fluoranthene	56000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	330	ug/Kg
Biphenyl		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
bis (2-chloroisopropyl) ether		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Bis(2-chloroethoxy)methane		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Bis(2-chloroethyl)ether		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Bis(2-ethylhexyl) phthalate		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Butyl benzyl phthalate		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Caprolactam		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Carbazole		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	42	ug/Kg
Chrysene	56000	ug/Kg	94	ug/Kg	ND	ug/Kg	540	ug/Kg	ND	ug/Kg	510	ug/Kg
Dibenz(a,h)anthracene	560	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Dibenzofuran	350000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Diethyl phthalate		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Dimethyl phthalate		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Di-n-butyl phthalate		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Di-n-octyl phthalate		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Fluoranthene	500000	ug/Kg	140	ug/Kg	86	ug/Kg	860	ug/Kg	620	ug/Kg	980	ug/Kg
Fluorene	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	35	ug/Kg
Hexachlorobenzene	6000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Hexachlorobutadiene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Hexachlorocyclopentadiene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Hexachloroethane		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Indeno[1,2,3-cd]pyrene	5600	ug/Kg	50	ug/Kg	40	ug/Kg	300	ug/Kg	180	ug/Kg	260	ug/Kg
Isophorone		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Naphthalene	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Nitrobenzene		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
N-Nitrosodi-n-propylamine		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
N-Nitrosodiphenylamine		ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Pentachlorophenol	6700	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Percent Moisture		%	7.4	%	6.0	%	13.1	%	11.7	%	9.0	%
Percent Solids		%	92.6	%	94.0	%	86.9	%	88.3	%	91.0	%
Phenanthrene	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	430	ug/Kg	ND	ug/Kg	510	ug/Kg
Phenol	500000	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg	ND	ug/Kg
Pyrene	500000	ug/Kg	130	ug/Kg	79	ug/Kg	660	ug/Kg	420	ug/Kg	790	ug/Kg

Table 2

412 E. Main Street Fredonia Import Sampling

Project Name: 412 E. Main Street Fredonia			
Analyte	DER-10 Commercial Use	Sample ID COMP-20250917	
Volatile Organic Compounds			
1,1-Dichloroethane	270	ND	ug/Kg
1,1-Dichloroethene	330	ND	ug/Kg
1,1,1-Trichloroethane	680	ND	ug/Kg
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ug/Kg
1,1,2-Trichloroethane		ND	ug/Kg
1,1,2,2-Tetrachloroethane		ND	ug/Kg
1,2-Dibromo-3-Chloropropane		ND	ug/Kg
1,2-Dibromoethane		ND	ug/Kg
1,2-Dichlorobenzene	1100	ND	ug/Kg
1,2-Dichloroethane	20	ND	ug/Kg
1,2-Dichloropropane		ND	ug/Kg
1,2,4-Trichlorobenzene		ND	ug/Kg
1,3-Dichlorobenzene	2400	ND	ug/Kg
1,4-Dichlorobenzene	1800	ND	ug/Kg
2-Butanone (MEK)	120	ND	ug/Kg
2-Hexanone		ND	ug/Kg
4-Methyl-2-pentanone (MIBK)		ND	ug/Kg
Acetone	50	ND	ug/Kg
Benzene	60	ND	ug/Kg
Bromodichloromethane		ND	ug/Kg
Bromoform		ND	ug/Kg
Bromomethane		ND	ug/Kg
Carbon disulfide		ND	ug/Kg
Carbon tetrachloride	760	ND	ug/Kg
Chlorobenzene	1100	ND	ug/Kg
Chloroethane		ND	ug/Kg
Chloroform	370	0.59	ug/Kg
Chloromethane		ND	ug/Kg
cis-1,2-Dichloroethene	250	ND	ug/Kg
cis-1,3-Dichloropropene		ND	ug/Kg
Cyclohexane		ND	ug/Kg
Dibromochloromethane		ND	ug/Kg
Dichlorodifluoromethane		ND	ug/Kg
Ethylbenzene	1000	ND	ug/Kg
Isopropylbenzene		ND	ug/Kg
Methyl acetate		ND	ug/Kg
Methyl tert-butyl ether	930	ND	ug/Kg
Methylcyclohexane		ND	ug/Kg
Methylene Chloride	50	ND	ug/Kg
Styrene		ND	ug/Kg
Tetrachloroethene	1300	ND	ug/Kg
Toluene	700	ND	ug/Kg
trans-1,2-Dichloroethene	190	ND	ug/Kg
trans-1,3-Dichloropropene		ND	ug/Kg
Trichloroethene	470	ND	ug/Kg
Trichlorofluoromethane		ND	ug/Kg
Vinyl chloride	20	ND	ug/Kg
Xylenes, Total	1600	ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

Semivolatile Organic Compounds			
1,4-Dioxane	100	ND	ug/Kg
2-Chloronaphthalene		ND	ug/Kg
2-Chlorophenol		ND	ug/Kg
2-Methylnaphthalene		ND	ug/Kg
2-Methylphenol	330	ND	ug/Kg
2-Nitroaniline		ND	ug/Kg
2-Nitrophenol		ND	ug/Kg
2,4-Dichlorophenol		ND	ug/Kg
2,4-Dimethylphenol		ND	ug/Kg
2,4-Dinitrophenol		ND	ug/Kg
2,4-Dinitrotoluene		ND	ug/Kg
2,4,5-Trichlorophenol		ND	ug/Kg
2,4,6-Trichlorophenol		ND	ug/Kg
2,6-Dinitrotoluene		ND	ug/Kg
3-Nitroaniline		ND	ug/Kg
3,3'-Dichlorobenzidine		ND	ug/Kg
4-Bromophenyl phenyl ether		ND	ug/Kg
4-Chloro-3-methylphenol		ND	ug/Kg
4-Chloroaniline		ND	ug/Kg
4-Chlorophenyl phenyl ether		ND	ug/Kg
4-Methylphenol	330	ND	ug/Kg
4-Nitroaniline		ND	ug/Kg
4-Nitrophenol		ND	ug/Kg
4,6-Dinitro-2-methylphenol		ND	ug/Kg
Acenaphthene	98000	ND	ug/Kg
Acenaphthylene	107000	ND	ug/Kg
Acetophenone		ND	ug/Kg
Anthracene	500000	ND	ug/Kg
Atrazine		ND	ug/Kg
Benzaldehyde		ND	ug/Kg
Benzo[a]anthracene	1000	ND	ug/Kg
Benzo[a]pyrene	1000	ND	ug/Kg
Benzo[b]fluoranthene	1700	ND	ug/Kg
Benzo[g,h,i]perylene	500000	ND	ug/Kg
Benzo[k]fluoranthene	1700	ND	ug/Kg
Biphenyl		ND	ug/Kg
bis (2-chloroisopropyl) ether		ND	ug/Kg
Bis(2-chloroethoxy)methane		ND	ug/Kg
Bis(2-chloroethyl)ether		ND	ug/Kg
Bis(2-ethylhexyl) phthalate		ND	ug/Kg
Butyl benzyl phthalate		ND	ug/Kg
Caprolactam		ND	ug/Kg
Chrysene	1000	ND	ug/Kg
Carbazole		ND	ug/Kg
Di-n-butyl phthalate		ND	ug/Kg
Di-n-octyl phthalate		ND	ug/Kg
Dibenz(a,h)anthracene	560	ND	ug/Kg
Dibenzofuran	210000	ND	ug/Kg
Diethyl phthalate		ND	ug/Kg
Dimethyl phthalate		ND	ug/Kg
Fluoranthene	500000	ND	ug/Kg
Fluorene	386000	ND	ug/Kg
Hexachlorobenzene	3200	ND	ug/Kg
Hexachlorobutadiene		ND	ug/Kg
Hexachlorocyclopentadiene		ND	ug/Kg
Hexachloroethane		ND	ug/Kg
Indeno[1,2,3-cd]pyrene	5600	ND	ug/Kg
Isophorone		ND	ug/Kg
N-Nitrosodi-n-propylamine		ND	ug/Kg
N-Nitrosodiphenylamine		ND	ug/Kg
Naphthalene	12000	ND	ug/Kg
Pentachlorophenol	800	ND	ug/Kg
Nitrobenzene		ND	ug/Kg
Phenanthrene	500000	ND	ug/Kg
Phenol	330	ND	ug/Kg
Pyrene	500000	ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

PFAS			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		ND	ng/g
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		ND	ng/g
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		ND	ng/g
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		ND	ng/g
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		ND	ng/g
3-Perfluoropentylpropanoic acid (5:3 FTCA)		ND	ng/g
3-Perfluoropropylpropanoic acid (3:3 FTCA)		ND	ng/g
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		ND	ng/g
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		ND	ng/g
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		ND	ng/g
N-ethylperfluorooctane sulfonamide (NEtFOSA)		ND	ng/g
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		ND	ng/g
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	ng/g
N-methylperfluorooctane sulfonamide (NMeFOSA)		ND	ng/g
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		ND	ng/g
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	ng/g
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		ND	ng/g
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		ND	ng/g
Perfluoro-3-methoxypropanoic acid (PFMPA)		ND	ng/g
Perfluoro-4-methoxybutanoic acid (PFMBA)		ND	ng/g
Perfluorobutanesulfonic acid (PFBS)		ND	ng/g
Perfluorobutanoic acid (PFBA)		ND	ng/g
Perfluorodecanesulfonic acid (PFDS)		ND	ng/g
Perfluorodecanoic acid (PFDA)		ND	ng/g
Perfluorododecanesulfonic acid (PFDoS)		ND	ng/g
Perfluorododecanoic acid (PFDoA)		ND	ng/g
Perfluoroheptanesulfonic acid (PFHpS)		ND	ng/g
Perfluoroheptanoic acid (PFHpA)		ND	ng/g
Perfluorohexanesulfonic acid (PFHxS)		ND	ng/g
Perfluorohexanoic acid (PFHxA)		ND	ng/g
Perfluorononanesulfonic acid (PFNS)		ND	ng/g
Perfluorononanoic acid (PFNA)		ND	ng/g
Perfluorooctanesulfonamide (PFOSA)		ND	ng/g
Perfluorooctanesulfonic acid (PFOS)		ND	ng/g
Perfluorooctanoic acid (PFOA)		ND	ng/g
Perfluoropentanesulfonic acid (PFPeS)		ND	ng/g
Perfluoropentanoic acid (PFPeA)		ND	ng/g
Perfluorotetradecanoic acid (PFTeDA)		ND	ng/g
Perfluorotridecanoic acid (PFTrDA)		ND	ng/g
Perfluoroundecanoic acid (PFUnA)		ND	ng/g
Pesticides and Herbicides			
4,4'-DDD	14000	ND	ug/Kg
4,4'-DDE	17000	ND	ug/Kg
4,4'-DDT	47000	ND	ug/Kg
Aldrin	190	ND	ug/Kg
alpha-BHC	20	ND	ug/Kg
beta-BHC	90	ND	ug/Kg
cis-Chlordane	2900	ND	ug/Kg
delta-BHC	250	1	ug/Kg
Dieldrin	100	ND	ug/Kg
Endosulfan I	102000	ND	ug/Kg
Endosulfan II	102000	ND	ug/Kg
Endosulfan sulfate	200000	ND	ug/Kg
Endrin	60	ND	ug/Kg
Endrin aldehyde		ND	ug/Kg
Endrin ketone		ND	ug/Kg
gamma-BHC (Lindane)	100	ND	ug/Kg
Heptachlor	380	ND	ug/Kg
Heptachlor epoxide		ND	ug/Kg
Methoxychlor		ND	ug/Kg
Silvex (2,4,5-TP)	3800	ND	ug/Kg
Toxaphene		ND	ug/Kg
trans-Chlordane		ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

PCBs			
PCB-1016		ND	mg/Kg
PCB-1221		ND	mg/Kg
PCB-1232		ND	mg/Kg
PCB-1242		ND	mg/Kg
PCB-1248		ND	mg/Kg
PCB-1254		ND	mg/Kg
PCB-1260		ND	mg/Kg
Metals			
Aluminum		**11800**	mg/Kg
Antimony		0.62	mg/Kg
Arsenic	16	**9.7**	mg/Kg
Barium	400	**111**	mg/Kg
Beryllium	47	**0.44**	mg/Kg
Cadmium	7.5	0.10	mg/Kg
Calcium		**15700**	mg/Kg
Chromium		**14.3**	mg/Kg
Cobalt		**9.9**	mg/Kg
Copper	270	**25.9**	mg/Kg
Iron		**25800**	mg/Kg
Lead	450	**16.9**	mg/Kg
Magnesium		**5370**	mg/Kg
Manganese	2000	**492**	mg/Kg
Mercury	0.73	0.010	mg/Kg
Nickel	130	**24.8**	mg/Kg
Potassium		**1810**	mg/Kg
Selenium	4	ND	mg/Kg
Silver	8.3	ND	mg/Kg
Sodium		74.5	mg/Kg
Thallium		ND	mg/Kg
Vanadium		**16.3**	mg/Kg
Zinc	2480	**72.4**	mg/Kg
Cr (VI)	19	ND	mg/Kg
Cyanide, Total	27	ND	mg/Kg
Percent Moisture		**4.6**	%
Percent Solids		**95.4**	%

Table 2

412 E. Main Street Fredonia Import Sampling

Project Name: 412 E. Main Street Fredonia			
Analyte	DER-10 Commercial Use	Sample ID COMP-20250917	
Volatile Organic Compounds			
1,1-Dichloroethane	270	ND	ug/Kg
1,1-Dichloroethene	330	ND	ug/Kg
1,1,1-Trichloroethane	680	ND	ug/Kg
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ug/Kg
1,1,2-Trichloroethane		ND	ug/Kg
1,1,2,2-Tetrachloroethane		ND	ug/Kg
1,2-Dibromo-3-Chloropropane		ND	ug/Kg
1,2-Dibromoethane		ND	ug/Kg
1,2-Dichlorobenzene	1100	ND	ug/Kg
1,2-Dichloroethane	20	ND	ug/Kg
1,2-Dichloropropane		ND	ug/Kg
1,2,4-Trichlorobenzene		ND	ug/Kg
1,3-Dichlorobenzene	2400	ND	ug/Kg
1,4-Dichlorobenzene	1800	ND	ug/Kg
2-Butanone (MEK)	120	ND	ug/Kg
2-Hexanone		ND	ug/Kg
4-Methyl-2-pentanone (MIBK)		ND	ug/Kg
Acetone	50	ND	ug/Kg
Benzene	60	ND	ug/Kg
Bromodichloromethane		ND	ug/Kg
Bromoform		ND	ug/Kg
Bromomethane		ND	ug/Kg
Carbon disulfide		ND	ug/Kg
Carbon tetrachloride	760	ND	ug/Kg
Chlorobenzene	1100	ND	ug/Kg
Chloroethane		ND	ug/Kg
Chloroform	370	0.59	ug/Kg
Chloromethane		ND	ug/Kg
cis-1,2-Dichloroethene	250	ND	ug/Kg
cis-1,3-Dichloropropene		ND	ug/Kg
Cyclohexane		ND	ug/Kg
Dibromochloromethane		ND	ug/Kg
Dichlorodifluoromethane		ND	ug/Kg
Ethylbenzene	1000	ND	ug/Kg
Isopropylbenzene		ND	ug/Kg
Methyl acetate		ND	ug/Kg
Methyl tert-butyl ether	930	ND	ug/Kg
Methylcyclohexane		ND	ug/Kg
Methylene Chloride	50	ND	ug/Kg
Styrene		ND	ug/Kg
Tetrachloroethene	1300	ND	ug/Kg
Toluene	700	ND	ug/Kg
trans-1,2-Dichloroethene	190	ND	ug/Kg
trans-1,3-Dichloropropene		ND	ug/Kg
Trichloroethene	470	ND	ug/Kg
Trichlorofluoromethane		ND	ug/Kg
Vinyl chloride	20	ND	ug/Kg
Xylenes, Total	1600	ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

Semivolatile Organic Compounds			
1,4-Dioxane	100	ND	ug/Kg
2-Chloronaphthalene		ND	ug/Kg
2-Chlorophenol		ND	ug/Kg
2-Methylnaphthalene		ND	ug/Kg
2-Methylphenol	330	ND	ug/Kg
2-Nitroaniline		ND	ug/Kg
2-Nitrophenol		ND	ug/Kg
2,4-Dichlorophenol		ND	ug/Kg
2,4-Dimethylphenol		ND	ug/Kg
2,4-Dinitrophenol		ND	ug/Kg
2,4-Dinitrotoluene		ND	ug/Kg
2,4,5-Trichlorophenol		ND	ug/Kg
2,4,6-Trichlorophenol		ND	ug/Kg
2,6-Dinitrotoluene		ND	ug/Kg
3-Nitroaniline		ND	ug/Kg
3,3'-Dichlorobenzidine		ND	ug/Kg
4-Bromophenyl phenyl ether		ND	ug/Kg
4-Chloro-3-methylphenol		ND	ug/Kg
4-Chloroaniline		ND	ug/Kg
4-Chlorophenyl phenyl ether		ND	ug/Kg
4-Methylphenol	330	ND	ug/Kg
4-Nitroaniline		ND	ug/Kg
4-Nitrophenol		ND	ug/Kg
4,6-Dinitro-2-methylphenol		ND	ug/Kg
Acenaphthene	98000	ND	ug/Kg
Acenaphthylene	107000	ND	ug/Kg
Acetophenone		ND	ug/Kg
Anthracene	500000	ND	ug/Kg
Atrazine		ND	ug/Kg
Benzaldehyde		ND	ug/Kg
Benzo[a]anthracene	1000	ND	ug/Kg
Benzo[a]pyrene	1000	ND	ug/Kg
Benzo[b]fluoranthene	1700	ND	ug/Kg
Benzo[g,h,i]perylene	500000	ND	ug/Kg
Benzo[k]fluoranthene	1700	ND	ug/Kg
Biphenyl		ND	ug/Kg
bis (2-chloroisopropyl) ether		ND	ug/Kg
Bis(2-chloroethoxy)methane		ND	ug/Kg
Bis(2-chloroethyl)ether		ND	ug/Kg
Bis(2-ethylhexyl) phthalate		ND	ug/Kg
Butyl benzyl phthalate		ND	ug/Kg
Caprolactam		ND	ug/Kg
Chrysene	1000	ND	ug/Kg
Carbazole		ND	ug/Kg
Di-n-butyl phthalate		ND	ug/Kg
Di-n-octyl phthalate		ND	ug/Kg
Dibenz(a,h)anthracene	560	ND	ug/Kg
Dibenzofuran	210000	ND	ug/Kg
Diethyl phthalate		ND	ug/Kg
Dimethyl phthalate		ND	ug/Kg
Fluoranthene	500000	ND	ug/Kg
Fluorene	386000	ND	ug/Kg
Hexachlorobenzene	3200	ND	ug/Kg
Hexachlorobutadiene		ND	ug/Kg
Hexachlorocyclopentadiene		ND	ug/Kg
Hexachloroethane		ND	ug/Kg
Indeno[1,2,3-cd]pyrene	5600	ND	ug/Kg
Isophorone		ND	ug/Kg
N-Nitrosodi-n-propylamine		ND	ug/Kg
N-Nitrosodiphenylamine		ND	ug/Kg
Naphthalene	12000	ND	ug/Kg
Pentachlorophenol	800	ND	ug/Kg
Nitrobenzene		ND	ug/Kg
Phenanthrene	500000	ND	ug/Kg
Phenol	330	ND	ug/Kg
Pyrene	500000	ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

PFAS			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		ND	ng/g
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		ND	ng/g
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		ND	ng/g
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		ND	ng/g
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		ND	ng/g
3-Perfluoropentylpropanoic acid (5:3 FTCA)		ND	ng/g
3-Perfluoropropylpropanoic acid (3:3 FTCA)		ND	ng/g
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		ND	ng/g
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		ND	ng/g
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		ND	ng/g
N-ethylperfluorooctane sulfonamide (NEtFOSA)		ND	ng/g
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		ND	ng/g
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	ng/g
N-methylperfluorooctane sulfonamide (NMeFOSA)		ND	ng/g
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		ND	ng/g
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	ng/g
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		ND	ng/g
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		ND	ng/g
Perfluoro-3-methoxypropanoic acid (PFMPA)		ND	ng/g
Perfluoro-4-methoxybutanoic acid (PFMBA)		ND	ng/g
Perfluorobutanesulfonic acid (PFBS)		ND	ng/g
Perfluorobutanoic acid (PFBA)		ND	ng/g
Perfluorodecanesulfonic acid (PFDS)		ND	ng/g
Perfluorodecanoic acid (PFDA)		ND	ng/g
Perfluorododecanesulfonic acid (PFDoS)		ND	ng/g
Perfluorododecanoic acid (PFDoA)		ND	ng/g
Perfluoroheptanesulfonic acid (PFHpS)		ND	ng/g
Perfluoroheptanoic acid (PFHpA)		ND	ng/g
Perfluorohexanesulfonic acid (PFHxS)		ND	ng/g
Perfluorohexanoic acid (PFHxA)		ND	ng/g
Perfluorononanesulfonic acid (PFNS)		ND	ng/g
Perfluorononanoic acid (PFNA)		ND	ng/g
Perfluorooctanesulfonamide (PFOSA)		ND	ng/g
Perfluorooctanesulfonic acid (PFOS)		ND	ng/g
Perfluorooctanoic acid (PFOA)		ND	ng/g
Perfluoropentanesulfonic acid (PFPeS)		ND	ng/g
Perfluoropentanoic acid (PFPeA)		ND	ng/g
Perfluorotetradecanoic acid (PFTeDA)		ND	ng/g
Perfluorotridecanoic acid (PFTrDA)		ND	ng/g
Perfluoroundecanoic acid (PFUnA)		ND	ng/g
Pesticides and Herbicides			
4,4'-DDD	14000	ND	ug/Kg
4,4'-DDE	17000	ND	ug/Kg
4,4'-DDT	47000	ND	ug/Kg
Aldrin	190	ND	ug/Kg
alpha-BHC	20	ND	ug/Kg
beta-BHC	90	ND	ug/Kg
cis-Chlordane	2900	ND	ug/Kg
delta-BHC	250	1	ug/Kg
Dieldrin	100	ND	ug/Kg
Endosulfan I	102000	ND	ug/Kg
Endosulfan II	102000	ND	ug/Kg
Endosulfan sulfate	200000	ND	ug/Kg
Endrin	60	ND	ug/Kg
Endrin aldehyde		ND	ug/Kg
Endrin ketone		ND	ug/Kg
gamma-BHC (Lindane)	100	ND	ug/Kg
Heptachlor	380	ND	ug/Kg
Heptachlor epoxide		ND	ug/Kg
Methoxychlor		ND	ug/Kg
Silvex (2,4,5-TP)	3800	ND	ug/Kg
Toxaphene		ND	ug/Kg
trans-Chlordane		ND	ug/Kg

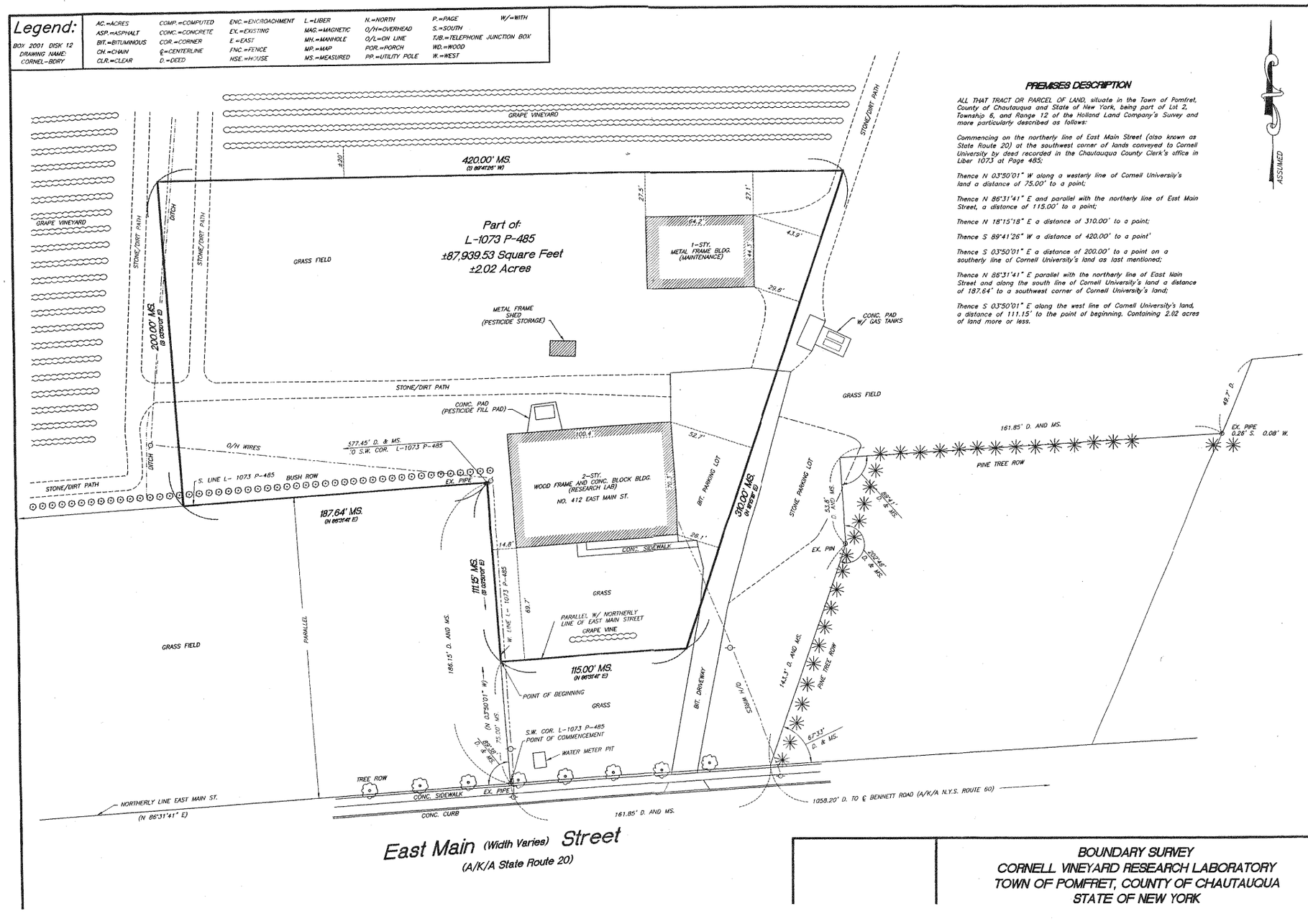
Table 2 **412 E. Main Street Fredonia Import Sampling**

PCBs			
PCB-1016		ND	mg/Kg
PCB-1221		ND	mg/Kg
PCB-1232		ND	mg/Kg
PCB-1242		ND	mg/Kg
PCB-1248		ND	mg/Kg
PCB-1254		ND	mg/Kg
PCB-1260		ND	mg/Kg
Metals			
Aluminum		**11800**	mg/Kg
Antimony		0.62	mg/Kg
Arsenic	16	**9.7**	mg/Kg
Barium	400	**111**	mg/Kg
Beryllium	47	**0.44**	mg/Kg
Cadmium	7.5	0.10	mg/Kg
Calcium		**15700**	mg/Kg
Chromium		**14.3**	mg/Kg
Cobalt		**9.9**	mg/Kg
Copper	270	**25.9**	mg/Kg
Iron		**25800**	mg/Kg
Lead	450	**16.9**	mg/Kg
Magnesium		**5370**	mg/Kg
Manganese	2000	**492**	mg/Kg
Mercury	0.73	0.010	mg/Kg
Nickel	130	**24.8**	mg/Kg
Potassium		**1810**	mg/Kg
Selenium	4	ND	mg/Kg
Silver	8.3	ND	mg/Kg
Sodium		74.5	mg/Kg
Thallium		ND	mg/Kg
Vanadium		**16.3**	mg/Kg
Zinc	2480	**72.4**	mg/Kg
Cr (VI)	19	ND	mg/Kg
Cyanide, Total	27	ND	mg/Kg
Percent Moisture		**4.6**	%
Percent Solids		**95.4**	%

APPENDICES

APPENDIX A

SURVEY MAP / METES AND BOUNDS


Legend:
BOX 2001 DISK 12
DRAWING NAME: CORNELL-BDRY
AC. =ACRES
ASP. =ASPHALT
BIT. =BITUMINOUS
CH. =CHAIN
CLR. =CLEAR
COMP. =COMPUTED
CONC. =CONCRETE
COR. =CORNER
℄ =CENTERLINE
D. =DEED
ENC. =ENCROACHMENT
EX. =EXISTING
E. =EAST
FNC. =FENCE
HSE. =HOUSE
L. =LIBER
MAG. =MAGNETIC
MH. =MANHOLE
MP. =MAP
MS. =MEASURED
N. =NORTH
O/H =OVERHEAD
O/L =ON LINE
POR. =PORCH
PP. =UTILITY POLE
P. =PAGE
S. =SOUTH
TJB. =TELEPHONE JUNCTION BOX
WD. =WOOD
W. =WEST
W/ =WITH
ASSUMED
PREMISES DESCRIPTION
ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Pomfret, County of Chautauqua and State of New York, being part of Lot 2, Township 6, and Range 12 of the Holland Land Company's Survey and more particularly described as follows:
Commencing on the northerly line of East Main Street (also known as State Route 20) at the southwest corner of lands conveyed to Cornell University by deed recorded in the Chautauqua County Clerk's office in Liber 1073 at Page 485;
Thence N 03°50'01" W along a westerly line of Cornell University's land a distance of 75.00' to a point;
Thence N 86°31'41" E and parallel with the northerly line of East Main Street, a distance of 115.00' to a point;
Thence N 18°15'18" E a distance of 310.00' to a point;
Thence S 89°41'26" W a distance of 420.00' to a point'
Thence S 03°50'01" E a distance of 200.00' to a point on a southerly line of Cornell University's land as last mentioned;
Thence N 86°31'41" E parallel with the northerly line of East Main Street and along the south line of Cornell University's land a distance of 187.64' to a southwest corner of Cornell University's land;
Thence S 03°50'01" E along the west line of Cornell University's land, a distance of 111.15' to the point of beginning. Containing 2.02 acres of land more or less.
GRAPE VINEYARD
STONE/DIRT PATH
DITCH
420.00' MS. (S 89°41'26" W)
200.00' MS. (S 03°50'01" E)
Part of:
L-1073 P-485
±87,939.53 Square Feet
±2.02 Acres
GRASS FIELD
1-STY. METAL FRAME BLDG. (MAINTENANCE)
METAL FRAME SHED (PESTICIDE STORAGE)
CONC. PAD W/ GAS TANKS
CONC. PAD (PESTICIDE FILL PAD)
2-STY. WOOD FRAME AND CONC. BLOCK BLDG. (RESEARCH LAB) NO. 412 EAST MAIN ST.
BIT. PARKING LOT
STONE PARKING LOT
BIT. DRIVEWAY
CONC. SIDEWALK
GRASS
PARALLEL W/ NORTHERLY LINE OF EAST MAIN STREET
GRAPE VINE
O/H WIRES
S. LINE L- 1073 P-485
BUSH ROW
EX. PIPE
577.45' D. & MS. TO S.W. COR. L-1073 P-485
187.64' MS. (N 86°31'41" E)
111.15' MS. (S 03°50'01" E)
115.00' MS. (N 86°31'41" E)
310.00' MS. (N 18°15'18" E)
186.15' D. AND MS.
(N 03°50'01" W) 75.00' MS.
POINT OF BEGINNING
S.W. COR. L-1073 P-485
POINT OF COMMENCEMENT
WATER METER PIT
TREE ROW
NORTHERLY LINE EAST MAIN ST. (N 86°31'41" E)
161.85' D. AND MS.
1058.20' D. TO ℄ BENNETT ROAD (A/K/A N.Y.S. ROUTE 60)
PINE TREE ROW
EX. PIN
EX. PIPE 0.26' S. 0.08' W.
East Main (Width Varies) Street
(A/K/A State Route 20)
BOUNDARY SURVEY
CORNELL VINEYARD RESEARCH LABORATORY
TOWN OF POMFRET, COUNTY OF CHAUTAUQUA
STATE OF NEW YORK

APPENDIX B

REMEDIATION RELATED PERMITS AND APPROVALS

Brian Wasilewski

From: Demo, Bradley W (DEC) <Bradley.Demo@dec.ny.gov>
Sent: Monday, October 6, 2025 9:04 AM
To: Brian Wasilewski
Cc: Cody Martin
Subject: RE: Site V00417 412 E. Main Street Soil import request forms

The import requests for the soil and #3/#4 stone submitted on 10/3/2025 are approved.

Brad Demo
Environmental Program Specialist 1
Division of Environmental Remediation
New York State Department of Environmental Conservation
700 Delaware Ave. Buffalo, NY 14209
P: (716) 851-7139| F: (716) 851-7226
bradley.demo@dec.ny.gov

NYSDEC no longer accepts third-party links. Please use the link below to share files:
https://mysend.ny.gov:443/nys/send/to/user/bradleydemodecnygov

---

From: Brian Wasilewski <BWasilewski@cscos.com>
Sent: Monday, October 6, 2025 8:57 AM
To: Demo, Bradley W (DEC) <Bradley.Demo@dec.ny.gov>
Cc: cmartin@cscos.com
Subject: RE: Site V00417 412 E. Main Street Soil import request forms

You don't often get email from bwasilewski@cscos.com. Learn why this is important

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Brad,
The screen gravel was brought to the site, we explained the VCP/BCP process to the client, and then the ¾ gravel was not brought to the site yet. But both gravels were tested so at least we have that.

Apologies for the inconvenience,

Sincerely,

C&S COMPANIES®

Build your career at C&S!

Brian Wasilewski (he/him/his)
Environmental Scientist

office: (716) 427-6381
cell: (716) 474-9092
Bwasilewski@cscos.com
141 Elm Street, Suite 100. | Buffalo, NY 14203

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Commissioner

August 28, 2025

Robert Bragg
Kaleida Health
726 Exchange Street, Suite 300
Buffalo, New York, 14210

Dear Robert Bragg:

Cornell University Vineyard Research Lab
412 East Main Street
Pomfret, Chautauqua County, New York
NYSDEC Site No. V00417
Intrusive Activities Workplan

The New York State Department of Environmental Conservation (NYSDEC) has reviewed your revised "*NYSDEC Notification and Work Plan"* dated August 28, 2025. Based on that review, it has been determined all comments outlined in NYSDEC's August 27, 2025, letter have been addressed. The workplan is hereby approved.

If you have any questions, or need additional forms, please contact me at 716-851-7139 or e-mail: bradley.demo@dec.ny.gov.

Sincerely,

Bradley W. Demo

Bradley Demo
Project Manager

BD

ec: Benjamin Mcpherson, Regional Hazardous Waste Remediation Engineer, NYSDEC, Region 9
Gregory Scholand, Assistant Regional Attorney, NYSDEC, Region 9
Megan Kuczka, Environmental Program Specialist 2, NYSDEC, Region 9
Cody Martin, C&S Engineers
Marc Romanowski, Rupp Pfalzgraf, LLC

Brian Wasilewski

From: NYENVDATA@dec.ny.gov
Sent: Monday, September 29, 2025 11:49 AM
To: Brian Wasilewski
Subject: Successfully loaded EDD (20250929 1100.V00417.NYSDEC_v5_MERGE.zip)
Attachments: 20250929 1100.V00417.NYSDEC_v5_MERGE.Commit.zip

Data from '20250929 1100.V00417.NYSDEC_v5_MERGE.zip' has been successfully loaded into the database.

LAKE SHORE Paving

No 17302

1279 N. Main Street • Jamestown, NY 14701 • 716-664-4400

DATE 8/27/25

CUSTOMER

JOB Northern Chautauqua Hospital

TRUCK NO. DRIVER

LOAD LOCATION Route 20

DUMP LOCATION Stark Gravel Products

MATERIAL Existing concrete

JOB START 7:30

JOB FINISH 4:00

☐ LUNCH ☐ NO LUNCH

TOTAL

REMARKS removed ex conc from site to Stark Gravel Products to be crushed & re-used

TICKET #	WEIGHT	AT PLANT IN - OUT	JOB SITE IN - OUT	ALLOW	TOTAL
2 loads @ 20 TON/each - 40 TON					

CUSTOMER SIGNATURE: Blake Carlson

LAKE SHORE Paving

No 17301

1279 N. Main Street • Jamestown, NY 14701 • 716-664-4400

DATE 8/26/25

CUSTOMER

JOB Northern Chautauqua Hospital

TRUCK NO. DRIVER

LOAD LOCATION Route 20

DUMP LOCATION Stark Gravel Products

MATERIAL Existing Concrete

JOB START 7:00

JOB FINISH 4:30

☐ LUNCH ☐ NO LUNCH

TOTAL

REMARKS Removed existing concrete from site to Stark Gravel Products to be crushed & re-used

TICKET #	WEIGHT	AT PLANT IN - OUT	JOB SITE IN - OUT	ALLOW	TOTAL
24 loads @ 20 TON			1 EACH =	480	TON

CUSTOMER SIGNATURE: Blake Carlson

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

** Electronic Ticket **

RECEIVED
SEP 03 2025
LAKE SHORE PAVING, INC

116
LAKESHORE PAVING
7 OSMAR STREET
JAMESTOWN, NY 14701

SITE	TICKET	GRID	WEIGHMASTER
02	20193610	10	GILBERTP

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
09/02/25	09/02/25	8:23	8:23	LSP136	

REFERENCE	ORIGIN
250827S2	CHAUTAUQUA COUNTY

Scale Gross Wt. 60400
Stored Tare Wt. 28140
Net Weight 32260

Charge Ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
16.13	TON	Soil Permitted	30.00	483.90	0.00	483.90

Operating hours 7:30 AM to 3:30 PM Monday thru Friday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any kind.

Driver KALEIDA HEALTH
Generator 412 EAST MAIN STREET
Comment FREDONIA, NY 14036

SIGNATURE:_____

NET AMOUNT
483.90
TENDERED
CHANGE
CHECK NO.

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

** Electronic Ticket **

116
LAKESHORE PAVING
7 OSMAR STREET
JAMESTOWN, NY 14701

SITE	TICKET	GRID	WEIGHMASTER
02	20193676	10	GILBERTP

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
09/02/25	09/02/25	12:04	12:04	LSP136	

REFERENCE	ORIGIN
	CHAUTAUQUA COUNTY

Scale Gross Wt. 30880
Stored Tare Wt. 28140
Net Weight 2740

Charge Ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
1.37	TON	C&D Landfill	44.00	60.28	0.00	60.28

Operating hours 7:30 AM to 3:30 PM Monday thru Friday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any kind.

Driver NORTHERN CHAUT HOSPITAL
Generator
Comment CD

SIGNATURE:_____

NET AMOUNT
60.28
TENDERED
CHANGE
CHECK NO.

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

** Electronic Ticket **

SITE	TICKET	GRID	WEIGHMASTER
02	20193707	10	GILBERTP

DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
09/02/25	09/02/25	13:44	13:44	LSP136	

REFERENCE	ORIGIN
	CHAUTAUQUA COUNTY

116
LAKESHORE PAVING
7 OSMAR STREET
JAMESTOWN, NY 14701

Scale Gross Wt. 36120
Stored Tare Wt. 28140
Net Weight 7980

Charge Ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
3.99	TON	C&D Landfill	44.00	175.56	0.00	175.56

Operating hours 7:30 AM to 3:30 PM Monday thru Friday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any kind.

Driver NORTH CHAUT SCHOOL
Generator
Comment CD

SIGNATURE:_____

NET AMOUNT
175.56
TENDERED
CHANGE
CHECK NO.

NON-HAZARDOUS CONTAMINATED SOIL MANIFEST

20193610

GENERATOR

1. Work site name & phyical address:	Owner's Name:	Owner's phone #:
North Chautauqua Hospital 412 E. Main St. Fredonia, NY 14036	Kaleida Healh	716-462-2510
2. Operator's Name & address:		Operator's phone #:
Lake Shore Paving, Inc. 1279 N. Main St. Jamestown NY 14701	Lake Shore Paving, Inc.	716-664-4400
3. Waste disposal site (WDS) name & physical location: **Chautauqua County Landfill, 3889 Towerville Rd., Jamestown, NY 14701**		WDS phone #: **(716) 985-4785**
4. Name & address of responsible agency for program: **NYS DEC Region 8, 270 Michigan Ave., Buffalo NY 14203-2915 region9@gw.dec.state.ny.us**		
5. Description of materials: **Non-hazardous Contaminated Soil**	**6.** Containers: No. Type. **Dump Truck**	**7.** Total Quantity 20 cubic yards
8. Special handling instruction & additional information: **Use personal protective equipment in accordance w/ OSHA 29 CFR 1926.**		
9. OPERATOR'S CERTIFICATION: I hereby declare that the content of this consignment are fully and accurately described above by proper shipping name and are classified packed, marked and labeled and are in all aspects in proper condition for transport by highway according to applicable international and government regulations.		
Print/type name & title: Jacob Pangborn, Estimator/Project Manager	Signature:	Date (M/D/YY): 9/2/25

TRANSPORTER

10. Transporter 1: (Acknowledgment of receipt of materials)		
Company name & address: Lake Shore Paving, Inc. 1279 N. Main St. Jamestown NY 14701		Permit#: 9A-761
Print/type name & title Mark Storer - Driver	Signature:	Date (M/D/YY): 9.2.25
11. Transporter 2: (Acknowledgment of receipt of materials)		
Company name & address:		Permit#:
Print/type name & title	Signature:	Date (M/D/YY):

DISPOSAL SITE

12. Discrepency indication space:		
13. Waste disposal site owner or operator certification of receipt of asbestos materials covered by this manifest, except as noted in item 12.		
Print/type name & title: Scale Operator	Signature:	Date (M/D/YY): 9/2/25

An official website of New York State.
Here's how you know

DEC Permit Application - Details

For a glossary of terms and additonal help information, Open the Help Window.

Application ID:	9-0636-00006/00013
Facility:	Chautauqua County Landfill
Location:	3889 Towerville Rd, Ellery, NY 14701
Town or City:	Ellery
Applicant:	Chautauqua County
Permit Type:	Solid Waste Management
Application Type:	Renewal
Date Received:	01/31/2025
Status:	Final Decision Due as of 02/18/2025
Complete Status:	
UPA Class:	
Short Description:	Renewal of SWMF permit
ENB Publication Date:	
Written Comments Due:	

47-19-7 (sec-2001)

Print Form

Application for Treatment or Disposal of an Industrial Waste Stream

For State Use Only		
Site No.	Application Number	Date Received
07S12		
☐ Approved ☐ Disapproved		Date

1. Name of project/facility	2. County	3. Site number
Chautauqua County Landfill	Chautauqua County	07S12

4. Name of owner	5. Owner address (Street, City, State, Zip Code)	6. Owner telephone
Chautauqua County	3889 Towerville Rd, Jamestown, NY 14701	716-661-8422

7. Name of Operator	8. Operator address (Street, City, State, Zip Code)	9. Operator telephone
Chautauqua County	Same	716-661-8422

10. Method of treatment or disposal

Direct - Landfill

11. Company generating waste	12. Address of facility generating waste (Street, City, State, Zip Code)

13. Representative of waste generator	14. Mailing address of representative:	15. Telephone No.

16. Description of process producing waste:

17. Expected annual waste production:	18. Waste hauled in:
_____ Tons/Year _____ Gallons/Year	☐ Drums ☐ Bulk Tank ☐ Roll-off Container ☐ Other _____

19. Waste composition: 19a. Average percent solids: _____	19b. Physical state: ☐ Liquid ☐ Slurry ☐ Sludge ☐ Solid ☐ Contained Gas	19c. pH range: _____ to _____

19d. Components	Concentration *(dry weight)* Upper	Lower	Typical	Unit *(check one)* wt. %	ppm
1)				☐	☐
2)				☐	☐
3)				☐	☐
4)				☐	☐

20. Is an analysis of waste attached?	21. Was an EP toxicity test conducted on the waste?	22. Material is:
☐ Yes ☐ No	☐ Yes ☐ No if "yes" attach results	☐ Hazardous ☐ Not hazardous

23. Detail all hazard and nuisance problems associated with the wastes. List necessary safety, handling, treatment and disposal precautions.

24. Where was material disposed of previously?

25. Name of waste transporter	26. Address (Street, City, State, Zip Code)	27. NYSDEC Permit No.	28. Telephone No.

29. Certification:

I hearby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal law.

b. Signature and title of representative of waste generator X _____	Date: _____
b. Signature and title of representative of treatment or disposal facility X _____	Date: _____

CHAUTAUQUA COUNTY DEPARTMENT OF PUBLIC FACILITIES
DIVISION OF SOLID WASTE

Paul M. Wendel, Jr.
County Executive

Tim Card
Director of Public Facilities

August 27, 2025

Kaleida Health
c/o Lake Shore Paving
1279 North Main Street
Jamestown, NY 14701

Attention: Jacob Pangborn, Project Manager

Reference: Special Waste Stream – Contaminated Soil
Permit: 250827S2 [One Time Disposal Permit]
Facility: North Chautauqua Hospital, 412 E. Main Street, Fredonia, NY 14036
Expiration Date: 12/31/2025

Dear Mr. Pangborn:

This department has reviewed your permit application for disposal of contaminated soil. It is our understanding this waste was generated from excavation at the above referenced location. Based upon information provided, this waste is acceptable for disposal at landfill facility up to and including the above referenced date.

A copy of this correspondence must be presented to our scale operator with **EACH LOAD** of material entering our facility with a manifest. We have enclosed a copy of the executed NYSDEC application for your records. It should be noted that your waste transporter must have an approved hauling permit for transport to this facility. In the event significant changes in information presented on the above referenced application occur, you shall immediately notify this department in writing. Such changes shall include but not be limited to: change in process, change in facility name or address, change in waste composition, and/or change in hauler.

Thank you for choosing our facility for your disposal needs. If you have any questions, please contact me.

Sincerely,

T. Tracy Pierce

Tracy Pierce, "TJ"
Solid Waste Analyst

Enclosure

cc: NYSDEC (Ltr, App. Frm); CCLF: Scale & A/R (Ltr); Permit-Generator Files (entire permit)

Office Use Only

Bill to: 116 **Generator:** Kaleida Health **Hauler:** Lake Shore Paving [116]

Material: SOIL **Origin:** Chautauqua County, NY **Site:** 412 East Main Street, Fredonia, NY 14036

I:\Landfill\Everyone\SHARE\1 EMPLOYEE FLDRS\TJP\WASTE PERMITS\2025PermitLttrs\Special\Soil\412EMainStFredoniaNY\250827S2-412EMainStFredoniaNY.docx

47-19-7 (sec-2001)

Print Form

Application for Treatment or Disposal of an Industrial Waste Stream

For State Use Only		
Site No.	Application Number	Date Received
07S12	250827S2	8/27/2025
☑ Approved ☐ Disapproved		Date 8/27/2025

1. Name of project/facility	2. County	3. Site number
Chautauqua County Landfill	Chautauqua County	07S12

4. Name of owner	5. Owner address (Street, City, State, Zip Code)	6. Owner telephone
Chautauqua County	3889 Towerville Rd, Jamestown, NY 14701	716-661-8422

7. Name of Operator	8. Operator address (Street, City, State, Zip Code)	9. Operator telephone
Chautauqua County	Same	716-661-8422

10. Method of treatment or disposal

Direct - Landfill

11. Company generating waste	12. Address of facility generating waste (Street, City, State, Zip Code)
Kaleida Health	412 E. Main St. Fredonia, NY 14036

13. Representative of waste generator	14. Mailing address of representative:	15. Telephone No.
Robert Bragg		716-462-2510

16. Description of process producing waste:

Existing on site material

17. Expected annual waste production: 200 Tons/Year ____ Gallons/Year

18. Waste hauled in: ☐ Drums ☐ Bulk Tank ☐ Roll-off Container ☑ Other dumptruck

19. Waste composition:
19a. Average percent solids: ____

19b. Physical state: ☐ Liquid ☐ Slurry ☐ Sludge ☒ Solid ☐ Contained Gas

19c. pH range: ____ to ____

19d. Components	Concentration (dry weight) Upper	Lower	Typical	Unit (check one) wt. %	ppm
1) Soil				☐	☐
2)				☐	☐
3)				☐	☐
4)				☐	☐

20. Is an analysis of waste attached?	21. Was an EP toxicity test conducted on the waste?	22. Material is:
☒ Yes ☐ No	☐ Yes ☐ No if "yes" attach results	☐ Hazardous ☒ Not hazardous

23. Detail all hazard and nuisance problems associated with the wastes. List necessary safety, handling, treatment and disposal precautions.

24. Where was material disposed of previously?

NA

25. Name of waste transporter	26. Address (Street, City, State, Zip Code)	27. NYSDEC Permit No.	28. Telephone No.
Lake Shore Paving	1279 N. Main St.	9A-761	716-664-4400

29. Certification:
I hearby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal law.

b. Signature and title of representative of waste generator X JDP Jacob Pangborn, PM — Date: 8/27/25

b. Signature and title of representative of treatment or disposal facility X T-Jayfield/Solid Waste Analyst — Date: 8/27/2025

GENERATOR WASTE CHARACTERIZATION REPORT

GENERATOR INFORMATION:

Generator Name: Kaleida Health

Generating Facility Address: 412 E. Main St. Fredonia, NY 14036

Technical Contact: Robert Bragg Phone (716) 463-2510

INVOICING INFORMATION:

Contracting Firm: Lake Shore Paving 1116

Billing Address: 1279 N. Main St. Jamestown, NY 14701

Contact: Jacob Pangborn

e-mail: jpangborn@lakeshorepaving.com Phone (814) 779-4083

Does contracting firm have an existing account with the CCLF? ☒ YES ☐ NO

TRANSPORTER INFORMATION:

Hauler Name: Lake Shore Paving NYSDEC Permit No. 9A-761

Contact Person: Jacob Pangborn Phone (814) 779-4083

Is CCLF listed on hauler's Part 364 Permit? ☒ YES ☐ NO (if no, submit a Part 364 Permit modification)

WASTE INFORMATION:

1. *Does waste contain: a) less than 20% solids? ☐ Yes; ☒ No; b) any free liquid? ☐ Yes ☒ No
2. *Is Flash Point of waste less than 140° F? ☐ Yes ☒ No ☐ Not Applicable
3. *Corrosivity: Is pH of waste less than/equal to 2.0 or equal to/greater than 12.5 SU? ☐ Yes ☒ No ☐ Not Applicable
4. *Reactivity: Is waste Reactive? ☐ Yes ☒ No ☐ Not Applicable
5. *Is PCB concentration in waste equal to/greater than 30 mg/Kg? ☐ Yes ☒ No ☐ Not Applicable
6. *Is this a Listed Hazardous Waste as defined by USEPA Guidelines and 6NYCRR Part 371? ☐ Yes ☒ No

   If Any Of The Above Questions Is Answered Yes, Then The WASTE IS NOT ACCEPTABLE For Disposal At CCLF.

7. Indicate the waste category: ☐ Industrial ☒ Special [i.e. Soil; ACM; Contaminated C&D; Other Contaminated Debris]
8. Indicate the type(s) of contaminant(s) that is (are) present in the waste referenced above (VP=Virgin Petroleum).

   ☐ VP (Type): _____ ☐ ACM ☐ Non-VP/Mixture _____

   ☐ Other (please specify): _____
9. Aside from that listed in Item 8. above, is waste free of other known contaminants and/or residues: ☐ Yes ☑ No
10. What degree of odor does the waste exhibit? ☐ Strong ☐ Moderate ☑ Slight ☐ None

GENERATOR WASTE CHARACTERIZATION REPORT

11. Describe the incident or type of process and the location where this waste is/was generated [include contaminant(s)]:

12. Describe the physical characteristics of the waste (texture; size uniformity)?

TCLP TESTING

METALS: Applicable // Not Applicable

ANALYTE	NON-HAZARDOUS LIMIT (mg/L)	CONCENTRATION (mg/L)
Arsenic	5.0	
Barium	100.0	
Cadmium	1.0	
Chromium	5.0	
Lead	5.0	
Mercury	0.2	
Selenium	1.0	
Silver	5.0	

HERBICIDES/PESTICIDES: Applicable // Not Applicable

COMPOUND	NON-HAZARDOUS LIMIT (mg/l)	CONCENTRATION (mg/L)
2,4-D	10.0	
2,4,5-TP (Silvex)	1.0	
Endrin	0.02	
Lindane	0.4	
Methoxychlor	10.0	
Toxaphene	0.5	
Chlordane	0.03	
Heptachlor	0.008	

ACID EXTRACTABLES: Applicable // Not Applicable

COMPOUND	NON-HAZARDOUS LIMIT (mg/l)	CONCENTRATION (mg/L)
O-Creosol	200.0	
M-Creosol	200.0	
P-Creosol	200.0	
Pentachlorophenol	100.0	
2,4,5-Trichlorophenol	400.0	
2,4,6-Trichlorophenol	2.0	

BASE/NEUTRAL EXTRACTABLES: Applicable // Not Applicable

COMPOUND	NON-HAZARDOUS LIMIT (mg/l)	CONCENTRATION (mg/L)
1,4-Dichlorbenzene	7.5	
2,4-Dinitrotoulene	0.13	
Hexachlorobenzene	0.13	
Hexachlorobutadiene	0.5	
Hexachloroetane	3	
Nitrobenzene	2	
Pyridine	5	

VOLATILE ORGANICS: Applicable // Not Applicable

COMPOUND	NON-HAZARDOUS LIMIT (mg/l)	CONCENTRATION (mg/L)
1,1-Dichloroethylene	0.7	
Methyl ethyl ketone	200.0	
Tetrachloroethylene	0.7	
Vinyl chloride	0.2	
Benzene	0.5	
Carbon tetrachloride	0.5	
Chlorobenzene	100.0	
Chloroform	6.0	
Trichloroethylene	0.5	
1,2-Dichloroethane	0.5	

Other Analytical Testing:

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GENERATOR WASTE CHARACTERIZATION REPORT

WASTE DISPOSAL TERMS AND CONDITIONS

1. The Generator warrants that the information provided herein, including all attachments, is complete, factual and an accurate representation of the known or suspected hazards detailed herein.

2. The Generator shall indemnify, defend and hold harmless CCLF against any and all liabilities arising from the Generator's breach of any warranty hereunder, negligence or willful misconduct in connection with this matter.

3. No waste will be accepted at CCLF without pre-approval to transport and dispose said waste at CCLF.

4. The Generator warrants that the permitted material being disposed of at CCLF is comprised of material exclusively from the incident/process and site attested to in said permit (or sub-permit). It is the Generator's responsibility to characterize its waste and demonstrate that it is classified as non-hazardous solid waste, as defined by Title 6 of the New York Codes, Rules and Regulations Part 371.

5. CCLF reserves the right to reject/delay the disposal of any material based on its physical/olfactory characteristics that are observed upon arrival at CCLF. If it is subsequently determined that said waste is NOT acceptable for disposal at CCLF, the Generator, at his expense, agrees to remove the waste from CCLF premises immediately and properly dispose of the waste at an appropriate facility.

GENERATOR ACKNOWLEDGEMENT AND CERTIFICATION

The Generator acknowledges that it has read, understood and agrees to the above referenced terms and conditions. The signatory below warrants that he/she is authorized to sign on behalf of the Generator.

PRINTED NAME: Jacob Pangborn

SIGNATURE: JPDP

TITLE: Project Manager

COMPANY: Lake Shore Paving

DATE: 8/27/25

Mailing Address: Chautauqua County Landfill
3889 Towerville Road
Jamestown, NY 14701
Fax # (716) 985-4981
E-mail Address: piercet@chqgov.com

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APPENDIX C

DAILY WORK REPORTS AND AIR MONITORING

DAILY WORK REPORT

Project Number:	K11017003	**Project Name:**	412 East Main Street Environmental
Client:	Kaleida Health	**Address:**	412 East Main Street, Fredonia, NY
Date:	9/2/2025	**Start / Stop Time:**	730 1115

WEATHER DETAILS

Weather Conditions:	Sunny			
High Temperature:	70	**AM Wind Sp. / Dir:**	5	NE
Low Temperature:	65	**PM Wind Sp. / Dir:**	5	NE

C&S Personnel	On-Site	Off-Site	Total Hours
Brian Wasilewski	730	1115	3.75

Contractors	On-Site	Off-Site	Purpose

Equipment	Hours Used	Specifications	Purpose
CAMPS	3.75		Air monitoring
PID	1		Soil sampling, tank monitoring

DAILY WORK DESCRIPTION

:Crew worked to excavate a 20'x20' by 1' deep pit surrounding soil boring SB-04

:Confirmatory soil samples were collected 10' N,E,S,W and below SB-04, all at 1' depth

: Samples were all: SAND, coarse, rocks approximately 1" size, brown, 0 ppm

: After sampling, crew worked to prepare tanks for cleaning and removal. Tank prep required demolition of concrete casing protecting tanks. During demolition, residual oil / water mix was spilled onto concrete pad surrounding the tanks. No fluids left the pad an were cleaned up immediately.

Table 1 shows results table for confirmatory sampling. No commercial exceedances.

PHOTOGRAPHIC LOG

Exhibit:	Date:	412 E Main Street Environmental
1	9/2/2025	

Description:

Image of excavation area looking east.



Exhibit:	Date:	412 E Main Street Environmental
2	9/2/2025	

Description:

Image of excavation area looking west



PHOTOGRAPHIC LOG

Exhibit:	Date:	412 E Main Street Environmental
3	9/2/2025	

Description:

Image of excavator demolishing concrete surrounding fuel tanks looking east.



Exhibit:	Date:	412 E Main Street Environmental
4	9/2/2025	

Description:

Image of excavator demolishing concrete surrounding fuel tanks looking south.



PHOTOGRAPHIC LOG

Exhibit:	Date:	412 E Main Street Environmental
5	9/2/2025	

Description:

Image of excavator demolishing concrete surrounding fuel tanks looking east.



Exhibit:	Date:	412 E Main Street Environmental
6	9/2/2025	

Description:

Image of excavator demolishing concrete surrounding fuel tanks looking east.



PHOTOGRAPHIC LOG

Exhibit:	Date:	412 E Main Street Environmental
7	9/2/2025	

Description:

Image of fuel tanks after demolishing concrete looking south.



Exhibit:	Date:	412 E Main Street Environmental
8	9/2/2025	

Description:

Image of fuel tanks after demolishing concrete looking south.



PHOTOGRAPHIC LOG

Exhibit:	Date:	412 E Main Street Environmental
9	9/2/2025	

Description:

Image of worker cleaning water/oil mix looking east.



Exhibit:	Date:	412 E Main Street Environmental
10	9/2/2025	

Description:

Image of worker cleaning water/oil mix looking east.



PHOTOGRAPHIC LOG

Exhibit:	Date:	412 E Main Street Environmental
11	9/2/2025	

Description:

Image of worker cleaning water/oil mix looking east.



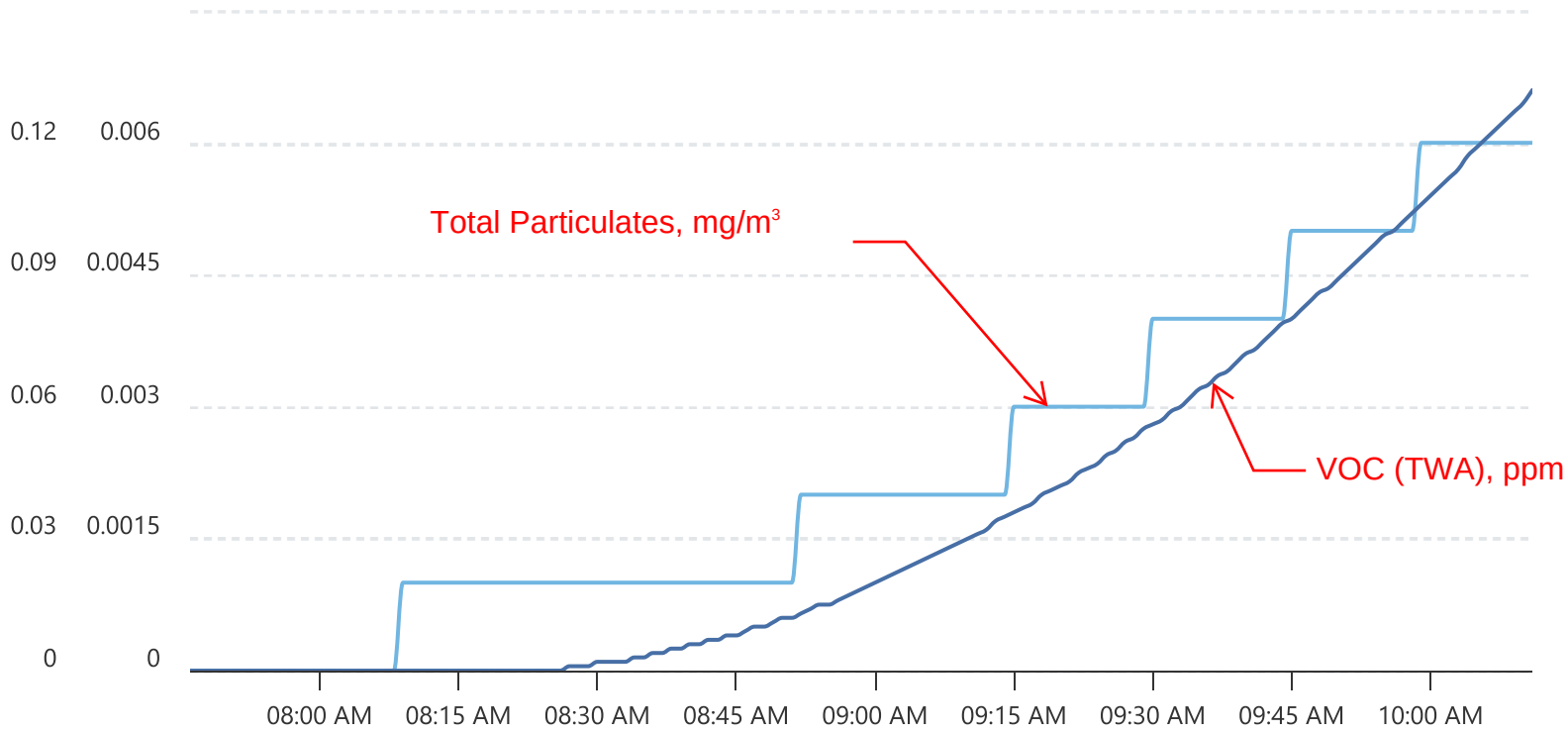
Upwind

C&S Buffalo #3

2B048844

09/02/2025 07:00 - 09/02/2025 15:54

(GMT-05:00) Eastern Time (US & Canada)



Total Particulates, mg/m3

MIN **0** AVG **0.002** MAX **0.006**

VOC (TWA), ppm

MIN **0** AVG **0.036** MAX **0.132**

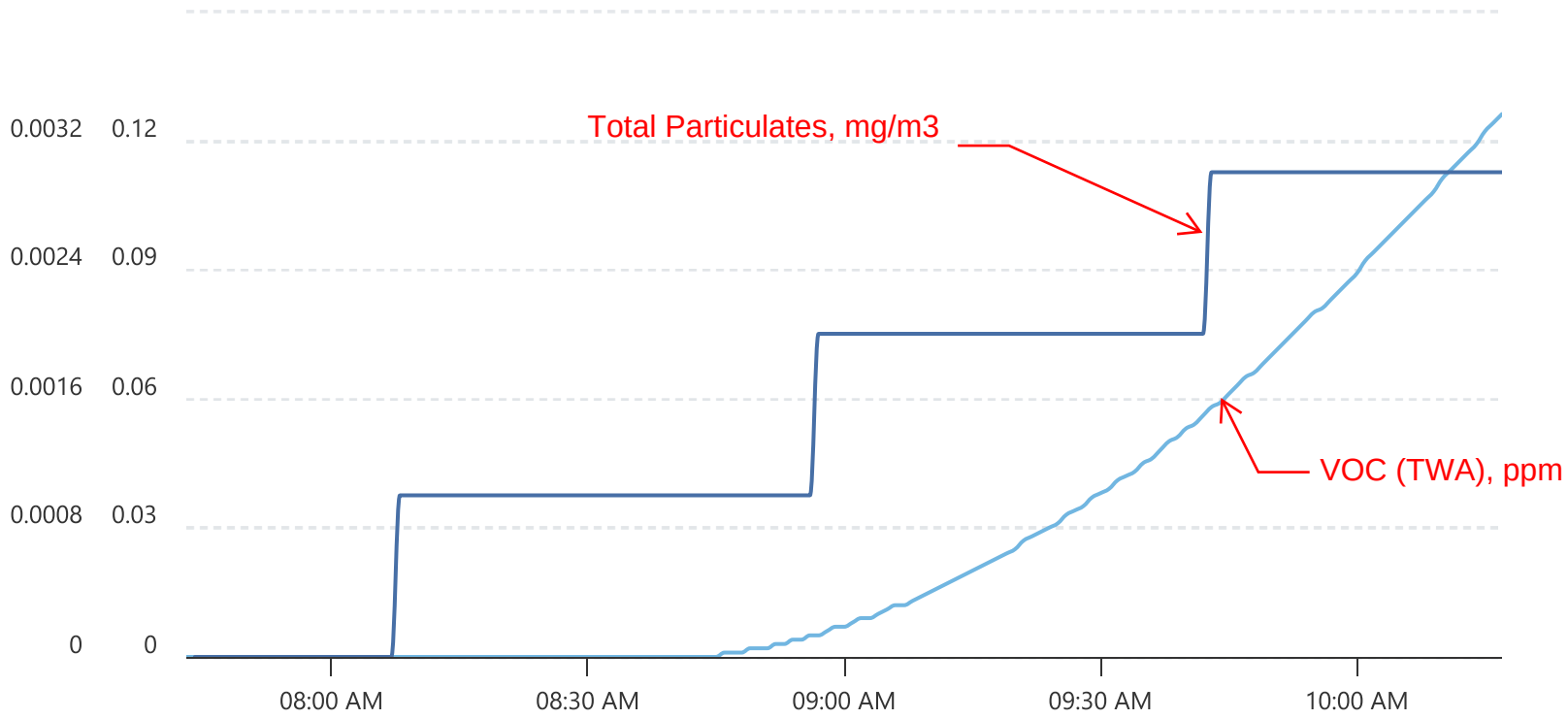
Downwind

C&S Buffalo #4

2B052553

09/02/2025 07:00 - 09/02/2025 15:55

(GMT-05:00) Eastern Time (US & Canada)



VOC (TWA), ppm

MIN **0** AVG **0.029** MAX **0.126**

Total Particulates, mg/m3

MIN **0** AVG **0.002** MAX **0.003**

APPENDIX D

DUSR FOR ALL END-POINT SAMPLES

DATA USABILITY SUMMARY REPORT (DUSR)

412 E. Main Street
Fredonia, NY
Project #: 48029155

SDG: **J232238-1**
5 Soil Samples

Prepared for:

C&S Companies
141 Elm Street, Suite 100
Buffalo, NY 14203
Attention: Brian Wasilewski

September 2025

EDU *Environmental Data Usability* *10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

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3.0	SAMPLE AND ANALYSIS SUMMARY	2
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6.0	RESULTS OF THE DATA REVIEW	4
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APPENDIX B Laboratory QC Documentation
APPENDIX C Validator Qualifications

Tables

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Table 4-2 Quality Control Criteria for Validating Laboratory Analytical Data

Summaries of Validated Results
Table 6-1 SVOCs

REVIEWER'S NARRATIVE
C&S Companies SDG J232238-1 – 412 E. Main Street – Fredonia, NY

The data associated with this Sample Delivery Group (SDG) J232238-1, analyzed by Eurofins Buffalo, Buffalo, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 9/30/2025

Michael K. Perry
Chemist

1.0 EVENT SUMMARY

SITE:	412 E. Main Street Fredonia, NY Project #: 48029155
SAMPLING DATE:	September 02, 2025
SAMPLE TYPE:	5 soil samples
LABORATORY:	Eurofins Buffalo Buffalo, NY
SDG No.:	J232238-1

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for 5 soil samples collected on September 02, 2025. These samples were analyzed for Semi-Volatile Organic Compounds (SVOCs).

All laboratory analyses were submitted to Eurofins Buffalo, Buffalo, NY and analyzed as SDG J232238-1. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC ** US Dept. of Defense	January 2021 November 2022
Radiological Analysis		
Uranium	USEPA Method 908.0	June 1999
Radium-226	USEPA Method 903.1	1980
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

** Data Validation Guidelines Module 6: Data Validatioin Procedures for Per- and Polyfluoroalkyl Substances Analysis by QSM Table B-24

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)	Radiological (U and Ra)
Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation
Holding Time	Holding Time
Canister Certification	Sample Specific Yield
Instrument Tuning	Required Detection Limit
Initial Calibration and Instrument Performance	Laboratory Control Sample
	Matrix Spikes
Daily Calibration	Method Blank
Blanks	Instrument Calibration
Lab Control Sample	
Field Duplicate	

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

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

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG J232238-1, five samples were analyzed and results were reported for 325 analytes. All results (100 %) are considered usable. See the summary table for the analyses that have been rejected and qualified and the associated QC reasons.

Table 6-1 SVOCs

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
none			none	

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cody Martin
C&S Engineers, Inc.
141 Elm Street
Suite 100
Buffalo NY 14203

Generated 09/08/2025

JOB DESCRIPTION

412 E. Main Street Fredonia

JOB NUMBER

480-232238-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
09/08/2025

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
716 504-9874

Job Narrative
480-232238-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 9/2/2025 12:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.6°C.

GC/MS Semi VOA
Method 8270D: The following sample(s) was diluted due to color, appearance, and viscosity. SB-04-CONF-N-1Ft (480-232238-1) and SB-04-CONF-S-1Ft (480-232238-3). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: C&S Engineers, Inc.
Job ID: 480-232238-1
Project/Site: 412 E. Main Street Fredonia

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-232238-1	SB-04-CONF-N-1Ft	Solid	09/02/25 08:05	09/02/25 12:22	New York
480-232238-2	SB-04-CONF-E-1Ft	Solid	09/02/25 08:06	09/02/25 12:22	New York
480-232238-3	SB-04-CONF-S-1Ft	Solid	09/02/25 08:07	09/02/25 12:22	New York
480-232238-4	SB-04-CONF-W-1Ft	Solid	09/02/25 08:08	09/02/25 12:22	New York
480-232238-5	SB-04-CONF-D-1Ft	Solid	09/02/25 08:09	09/02/25 12:22	New York

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BW	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-207727-42077.1
Client Contact: Mr. Brian Wasilewski	Phone: 716-474-9092	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: C&S Engineers, Inc.	PWSID:			Job #:
Address: 141 Elm Street Suite 100	Due Date Requested:			
City: Buffalo	TAT Requested (days): 3 DAY			
State, Zip: NY, 14203	Compliance Project: Δ Yes Δ No			
Phone: 716-847-1630(Tel)	PO #: K11017003			
Email: bwasilewski@cscos.com	WO #:			
Project Name: 412 E. Main Street Fredonia	Project #: 48029155			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) TCL SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
SB-04-CONF-N-1ft	9/2/2025	805	G	Solid			X		
SB-04-CONF-E-1ft		806		Solid			X		
SB-04-CONF-S-1ft		807		Solid			X		
SB-04-CONF-W-1ft		808		Solid			X		
SB-04-CONF-D-1ft		809		Solid			X		

Total Solids

480-232238 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9/2/25 1222	C&S	[signature]	9/2/25 1222	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 18.6 IR-SC NOICE

Ver: 05/06/2024

09/08/2025

Method Summary

Client: C&S Engineers, Inc. Job ID: 480-232238-1
Project/Site: 412 E. Main Street Fredonia

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3546	Microwave Extraction	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

No data validation qualifiers were added

MKP 9/30/2025

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-N-1Ft | Lab Sample ID: 480-232238-1

Matrix: Solid | Lab File ID: X000000365327.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:05

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.16(g) | Date Analyzed: 09/04/2025 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 13.1 % Solids: 86.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		970	200
88-06-2	2,4,6-Trichlorophenol	ND		970	150
120-83-2	2,4-Dichlorophenol	ND		970	190
105-67-9	2,4-Dimethylphenol	ND		970	200
51-28-5	2,4-Dinitrophenol	ND		9500	180
121-14-2	2,4-Dinitrotoluene	ND		970	130
606-20-2	2,6-Dinitrotoluene	ND		970	140
91-58-7	2-Chloronaphthalene	ND		970	180
95-57-8	2-Chlorophenol	ND		970	150
91-57-6	2-Methylnaphthalene	ND		970	150
95-48-7	2-Methylphenol	ND		970	160
88-74-4	2-Nitroaniline	ND		1900	160
88-75-5	2-Nitrophenol	ND		970	110
91-94-1	3,3'-Dichlorobenzidine	ND		1900	280
99-09-2	3-Nitroaniline	ND		1900	140
534-52-1	4,6-Dinitro-2-methylphenol	ND		1900	210
101-55-3	4-Bromophenyl phenyl ether	ND		970	160
59-50-7	4-Chloro-3-methylphenol	ND		970	200
106-47-8	4-Chloroaniline	ND		970	140
7005-72-3	4-Chlorophenyl phenyl ether	ND		970	200
106-44-5	4-Methylphenol	ND		1900	170
100-01-6	4-Nitroaniline	ND		1900	140
100-02-7	4-Nitrophenol	ND		1900	260
83-32-9	Acenaphthene	ND		970	180
208-96-8	Acenaphthylene	ND		970	190
98-86-2	Acetophenone	ND		970	170
120-12-7	Anthracene	ND		970	180
1912-24-9	Atrazine	ND		970	330
100-52-7	Benzaldehyde	ND		970	730
56-55-3	Benzo[a]anthracene	340	J	970	130
50-32-8	Benzo[a]pyrene	430	J	970	160

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-N-1Ft | Lab Sample ID: 480-232238-1

Matrix: Solid | Lab File ID: X000000365327.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:05

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.16(g) | Date Analyzed: 09/04/2025 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 13.1 % Solids: 86.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	640	J	970	130
191-24-2	Benzo[g,h,i]perylene	400	J	970	170
207-08-9	Benzo[k]fluoranthene	ND		970	220
92-52-4	Biphenyl	ND		970	180
108-60-1	bis (2-chloroisopropyl) ether	ND		970	200
111-91-1	Bis(2-chloroethoxy)methane	ND		970	180
111-44-4	Bis(2-chloroethyl)ether	ND		970	180
117-81-7	Bis(2-ethylhexyl) phthalate	ND		970	210
85-68-7	Butyl benzyl phthalate	ND		970	180
105-60-2	Caprolactam	ND		970	220
86-74-8	Carbazole	ND		970	190
218-01-9	Chrysene	540	J	970	230
53-70-3	Dibenz(a,h)anthracene	ND		970	190
132-64-9	Dibenzofuran	ND		970	170
84-66-2	Diethyl phthalate	ND		970	170
131-11-3	Dimethyl phthalate	ND		970	190
84-74-2	Di-n-butyl phthalate	ND		970	220
117-84-0	Di-n-octyl phthalate	ND		970	180
206-44-0	Fluoranthene	860	J	970	180
86-73-7	Fluorene	ND		970	180
118-74-1	Hexachlorobenzene	ND		970	190
87-68-3	Hexachlorobutadiene	ND		970	140
77-47-4	Hexachlorocyclopentadiene	ND		1900	420
67-72-1	Hexachloroethane	ND		970	180
193-39-5	Indeno[1,2,3-cd]pyrene	300	J	970	140
78-59-1	Isophorone	ND		970	200
91-20-3	Naphthalene	ND		970	160
98-95-3	Nitrobenzene	ND		970	160
621-64-7	N-Nitrosodi-n-propylamine	ND		970	220
86-30-6	N-Nitrosodiphenylamine	ND		970	160
87-86-5	Pentachlorophenol	ND		1900	310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-N-1Ft | Lab Sample ID: 480-232238-1

Matrix: Solid | Lab File ID: X000000365327.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:05

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.16(g) | Date Analyzed: 09/04/2025 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 13.1 % Solids: 86.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	430	J	970	180
108-95-2	Phenol	ND		970	180
129-00-0	Pyrene	660	J	970	180

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	93		10-140
321-60-8	2-Fluorobiphenyl	76		29-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	75		22-120
4165-62-2	Phenol-d5	72		23-120
1718-51-0	p-Terphenyl-d14	84		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-E-1Ft | Lab Sample ID: 480-232238-2

Matrix: Solid | Lab File ID: X000000365328.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:06

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.22(g) | Date Analyzed: 09/04/2025 14:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	36
88-06-2	2,4,6-Trichlorophenol	ND		180	27
120-83-2	2,4-Dichlorophenol	ND		180	35
105-67-9	2,4-Dimethylphenol	ND		180	37
51-28-5	2,4-Dinitrophenol	ND		1700	34
121-14-2	2,4-Dinitrotoluene	ND		180	24
606-20-2	2,6-Dinitrotoluene	ND		180	25
91-58-7	2-Chloronaphthalene	ND		180	33
95-57-8	2-Chlorophenol	ND		180	28
91-57-6	2-Methylnaphthalene	ND		180	28
95-48-7	2-Methylphenol	ND		180	29
88-74-4	2-Nitroaniline	ND		350	30
88-75-5	2-Nitrophenol	ND		180	20
91-94-1	3,3'-Dichlorobenzidine	ND		350	52
99-09-2	3-Nitroaniline	ND		350	25
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	39
101-55-3	4-Bromophenyl phenyl ether	ND		180	30
59-50-7	4-Chloro-3-methylphenol	ND		180	36
106-47-8	4-Chloroaniline	ND		180	25
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	37
106-44-5	4-Methylphenol	ND		350	32
100-01-6	4-Nitroaniline	ND		350	26
100-02-7	4-Nitrophenol	ND		350	48
83-32-9	Acenaphthene	ND		180	33
208-96-8	Acenaphthylene	ND		180	34
98-86-2	Acetophenone	ND		180	31
120-12-7	Anthracene	ND		180	33
1912-24-9	Atrazine	ND		180	60
100-52-7	Benzaldehyde	ND		180	140
56-55-3	Benzo[a]anthracene	ND		180	24
50-32-8	Benzo[a]pyrene	63	J	180	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-E-1Ft | Lab Sample ID: 480-232238-2

Matrix: Solid | Lab File ID: X000000365328.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:06

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.22(g) | Date Analyzed: 09/04/2025 14:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	90	J	180	24
191-24-2	Benzo[g,h,i]perylene	51	J	180	31
207-08-9	Benzo[k]fluoranthene	ND		180	40
92-52-4	Biphenyl	ND		180	33
108-60-1	bis (2-chloroisopropyl) ether	ND		180	36
111-91-1	Bis(2-chloroethoxy)methane	ND		180	34
111-44-4	Bis(2-chloroethyl)ether	ND		180	33
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	39
85-68-7	Butyl benzyl phthalate	ND		180	33
105-60-2	Caprolactam	ND		180	41
86-74-8	Carbazole	ND		180	35
218-01-9	Chrysene	ND		180	43
53-70-3	Dibenz(a,h)anthracene	ND		180	36
132-64-9	Dibenzofuran	ND		180	31
84-66-2	Diethyl phthalate	ND		180	32
131-11-3	Dimethyl phthalate	ND		180	34
84-74-2	Di-n-butyl phthalate	ND		180	40
117-84-0	Di-n-octyl phthalate	ND		180	34
206-44-0	Fluoranthene	86	J	180	32
86-73-7	Fluorene	ND		180	33
118-74-1	Hexachlorobenzene	ND		180	34
87-68-3	Hexachlorobutadiene	ND		180	27
77-47-4	Hexachlorocyclopentadiene	ND		350	78
67-72-1	Hexachloroethane	ND		180	32
193-39-5	Indeno[1,2,3-cd]pyrene	40	J	180	26
78-59-1	Isophorone	ND		180	36
91-20-3	Naphthalene	ND		180	29
98-95-3	Nitrobenzene	ND		180	30
621-64-7	N-Nitrosodi-n-propylamine	ND		180	40
86-30-6	N-Nitrosodiphenylamine	ND		180	30
87-86-5	Pentachlorophenol	ND		350	57

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-E-1Ft | Lab Sample ID: 480-232238-2

Matrix: Solid | Lab File ID: X000000365328.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:06

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.22(g) | Date Analyzed: 09/04/2025 14:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		180	33
108-95-2	Phenol	ND		180	32
129-00-0	Pyrene	79	J	180	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	82		10-140
321-60-8	2-Fluorobiphenyl	90		29-120
367-12-4	2-Fluorophenol	66		18-120
4165-60-0	Nitrobenzene-d5	76		22-120
4165-62-2	Phenol-d5	63		23-120
1718-51-0	p-Terphenyl-d14	90		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-S-1Ft | Lab Sample ID: 480-232238-3

Matrix: Solid | Lab File ID: X000000365329.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:07

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.15(g) | Date Analyzed: 09/04/2025 14:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 11.7 % Solids: 88.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		950	190
88-06-2	2,4,6-Trichlorophenol	ND		950	140
120-83-2	2,4-Dichlorophenol	ND		950	190
105-67-9	2,4-Dimethylphenol	ND		950	200
51-28-5	2,4-Dinitrophenol	ND		9300	180
121-14-2	2,4-Dinitrotoluene	ND		950	130
606-20-2	2,6-Dinitrotoluene	ND		950	140
91-58-7	2-Chloronaphthalene	ND		950	180
95-57-8	2-Chlorophenol	ND		950	150
91-57-6	2-Methylnaphthalene	ND		950	150
95-48-7	2-Methylphenol	ND		950	150
88-74-4	2-Nitroaniline	ND		1800	160
88-75-5	2-Nitrophenol	ND		950	110
91-94-1	3,3'-Dichlorobenzidine	ND		1800	280
99-09-2	3-Nitroaniline	ND		1800	130
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	210
101-55-3	4-Bromophenyl phenyl ether	ND		950	160
59-50-7	4-Chloro-3-methylphenol	ND		950	190
106-47-8	4-Chloroaniline	ND		950	140
7005-72-3	4-Chlorophenyl phenyl ether	ND		950	200
106-44-5	4-Methylphenol	ND		1800	170
100-01-6	4-Nitroaniline	ND		1800	140
100-02-7	4-Nitrophenol	ND		1800	260
83-32-9	Acenaphthene	ND		950	180
208-96-8	Acenaphthylene	ND		950	180
98-86-2	Acetophenone	ND		950	170
120-12-7	Anthracene	ND		950	170
1912-24-9	Atrazine	ND		950	320
100-52-7	Benzaldehyde	ND		950	720
56-55-3	Benzo[a]anthracene	ND		950	130
50-32-8	Benzo[a]pyrene	300	J	950	160

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-S-1Ft | Lab Sample ID: 480-232238-3

Matrix: Solid | Lab File ID: X000000365329.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:07

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.15(g) | Date Analyzed: 09/04/2025 14:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 11.7 % Solids: 88.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	420	J	950	130
191-24-2	Benzo[g,h,i]perylene	250	J	950	170
207-08-9	Benzo[k]fluoranthene	ND		950	210
92-52-4	Biphenyl	ND		950	180
108-60-1	bis (2-chloroisopropyl) ether	ND		950	190
111-91-1	Bis(2-chloroethoxy)methane	ND		950	180
111-44-4	Bis(2-chloroethyl)ether	ND		950	180
117-81-7	Bis(2-ethylhexyl) phthalate	ND		950	210
85-68-7	Butyl benzyl phthalate	ND		950	170
105-60-2	Caprolactam	ND		950	220
86-74-8	Carbazole	ND		950	190
218-01-9	Chrysene	ND		950	230
53-70-3	Dibenz(a,h)anthracene	ND		950	190
132-64-9	Dibenzofuran	ND		950	170
84-66-2	Diethyl phthalate	ND		950	170
131-11-3	Dimethyl phthalate	ND		950	180
84-74-2	Di-n-butyl phthalate	ND		950	210
117-84-0	Di-n-octyl phthalate	ND		950	180
206-44-0	Fluoranthene	620	J	950	170
86-73-7	Fluorene	ND		950	170
118-74-1	Hexachlorobenzene	ND		950	180
87-68-3	Hexachlorobutadiene	ND		950	140
77-47-4	Hexachlorocyclopentadiene	ND		1800	410
67-72-1	Hexachloroethane	ND		950	170
193-39-5	Indeno[1,2,3-cd]pyrene	180	J	950	140
78-59-1	Isophorone	ND		950	190
91-20-3	Naphthalene	ND		950	160
98-95-3	Nitrobenzene	ND		950	160
621-64-7	N-Nitrosodi-n-propylamine	ND		950	210
86-30-6	N-Nitrosodiphenylamine	ND		950	160
87-86-5	Pentachlorophenol	ND		1800	300

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-S-1Ft | Lab Sample ID: 480-232238-3

Matrix: Solid | Lab File ID: X000000365329.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:07

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.15(g) | Date Analyzed: 09/04/2025 14:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 11.7 % Solids: 88.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		950	180
108-95-2	Phenol	ND		950	170
129-00-0	Pyrene	420	J	950	180

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	79		10-140
321-60-8	2-Fluorobiphenyl	79		29-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	73		22-120
4165-62-2	Phenol-d5	67		23-120
1718-51-0	p-Terphenyl-d14	87		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-W-1Ft | Lab Sample ID: 480-232238-4

Matrix: Solid | Lab File ID: X000000365330.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:08

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.0 % Solids: 91.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		190	37
88-06-2	2,4,6-Trichlorophenol	ND		190	28
120-83-2	2,4-Dichlorophenol	ND		190	36
105-67-9	2,4-Dimethylphenol	ND		190	39
51-28-5	2,4-Dinitrophenol	ND		1800	35
121-14-2	2,4-Dinitrotoluene	ND		190	25
606-20-2	2,6-Dinitrotoluene	ND		190	26
91-58-7	2-Chloronaphthalene	ND		190	34
95-57-8	2-Chlorophenol	ND		190	29
91-57-6	2-Methylnaphthalene	43	J	190	29
95-48-7	2-Methylphenol	ND		190	30
88-74-4	2-Nitroaniline	ND		360	31
88-75-5	2-Nitrophenol	ND		190	21
91-94-1	3,3'-Dichlorobenzidine	ND		360	54
99-09-2	3-Nitroaniline	ND		360	26
534-52-1	4,6-Dinitro-2-methylphenol	ND		360	40
101-55-3	4-Bromophenyl phenyl ether	ND		190	31
59-50-7	4-Chloro-3-methylphenol	ND		190	38
106-47-8	4-Chloroaniline	ND		190	26
7005-72-3	4-Chlorophenyl phenyl ether	ND		190	39
106-44-5	4-Methylphenol	ND		360	33
100-01-6	4-Nitroaniline	ND		360	27
100-02-7	4-Nitrophenol	ND		360	50
83-32-9	Acenaphthene	ND		190	34
208-96-8	Acenaphthylene	ND		190	35
98-86-2	Acetophenone	ND		190	32
120-12-7	Anthracene	85	J	190	34
1912-24-9	Atrazine	ND		190	62
100-52-7	Benzaldehyde	ND		190	140
56-55-3	Benzo[a]anthracene	450		190	25
50-32-8	Benzo[a]pyrene	430		190	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-W-1Ft | Lab Sample ID: 480-232238-4

Matrix: Solid | Lab File ID: X000000365330.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:08

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.0 % Solids: 91.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	520		190	25
191-24-2	Benzo[g,h,i]perylene	360		190	32
207-08-9	Benzo[k]fluoranthene	330		190	41
92-52-4	Biphenyl	ND		190	35
108-60-1	bis (2-chloroisopropyl) ether	ND		190	38
111-91-1	Bis(2-chloroethoxy)methane	ND		190	35
111-44-4	Bis(2-chloroethyl)ether	ND		190	35
117-81-7	Bis(2-ethylhexyl) phthalate	ND		190	40
85-68-7	Butyl benzyl phthalate	ND		190	34
105-60-2	Caprolactam	ND		190	43
86-74-8	Carbazole	42	J	190	36
218-01-9	Chrysene	510		190	44
53-70-3	Dibenz(a,h)anthracene	ND		190	37
132-64-9	Dibenzofuran	ND		190	32
84-66-2	Diethyl phthalate	ND		190	33
131-11-3	Dimethyl phthalate	ND		190	35
84-74-2	Di-n-butyl phthalate	ND		190	41
117-84-0	Di-n-octyl phthalate	ND		190	35
206-44-0	Fluoranthene	980		190	34
86-73-7	Fluorene	35	J	190	34
118-74-1	Hexachlorobenzene	ND		190	35
87-68-3	Hexachlorobutadiene	ND		190	28
77-47-4	Hexachlorocyclopentadiene	ND		360	81
67-72-1	Hexachloroethane	ND		190	34
193-39-5	Indeno[1,2,3-cd]pyrene	260		190	27
78-59-1	Isophorone	ND		190	38
91-20-3	Naphthalene	ND		190	31
98-95-3	Nitrobenzene	ND		190	31
621-64-7	N-Nitrosodi-n-propylamine	ND		190	41
86-30-6	N-Nitrosodiphenylamine	ND		190	31
87-86-5	Pentachlorophenol	ND		360	59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-W-1Ft | Lab Sample ID: 480-232238-4

Matrix: Solid | Lab File ID: X000000365330.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:08

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.0 % Solids: 91.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	510		190	35
108-95-2	Phenol	ND		190	34
129-00-0	Pyrene	790		190	35

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	85		10-140
321-60-8	2-Fluorobiphenyl	81		29-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	73		22-120
4165-62-2	Phenol-d5	74		23-120
1718-51-0	p-Terphenyl-d14	83		28-124

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft | Lab Sample ID: 480-232238-5

Matrix: Solid | Lab File ID: X000000365326.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.12(g) | Date Analyzed: 09/04/2025 13:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	37
88-06-2	2,4,6-Trichlorophenol	ND		180	28
120-83-2	2,4-Dichlorophenol	ND		180	35
105-67-9	2,4-Dimethylphenol	ND		180	38
51-28-5	2,4-Dinitrophenol	ND		1800	35
121-14-2	2,4-Dinitrotoluene	ND		180	25
606-20-2	2,6-Dinitrotoluene	ND		180	26
91-58-7	2-Chloronaphthalene	ND		180	34
95-57-8	2-Chlorophenol	ND		180	28
91-57-6	2-Methylnaphthalene	ND		180	29
95-48-7	2-Methylphenol	ND		180	29
88-74-4	2-Nitroaniline	ND		350	31
88-75-5	2-Nitrophenol	ND		180	21
91-94-1	3,3'-Dichlorobenzidine	ND		350	53
99-09-2	3-Nitroaniline	ND		350	26
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	40
101-55-3	4-Bromophenyl phenyl ether	ND		180	31
59-50-7	4-Chloro-3-methylphenol	ND		180	37
106-47-8	4-Chloroaniline	ND		180	26
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	38
106-44-5	4-Methylphenol	ND		350	32
100-01-6	4-Nitroaniline	ND		350	27
100-02-7	4-Nitrophenol	ND		350	50
83-32-9	Acenaphthene	ND		180	34
208-96-8	Acenaphthylene	ND		180	35
98-86-2	Acetophenone	ND		180	32
120-12-7	Anthracene	ND		180	33
1912-24-9	Atrazine	ND		180	61
100-52-7	Benzaldehyde	ND		180	140
56-55-3	Benzo[a]anthracene	ND		180	25
50-32-8	Benzo[a]pyrene	90	J	180	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft | Lab Sample ID: 480-232238-5

Matrix: Solid | Lab File ID: X000000365326.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.12(g) | Date Analyzed: 09/04/2025 13:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	110	J	180	24
191-24-2	Benzo[g,h,i]perylene	72	J	180	32
207-08-9	Benzo[k]fluoranthene	ND		180	41
92-52-4	Biphenyl	ND		180	34
108-60-1	bis (2-chloroisopropyl) ether	ND		180	37
111-91-1	Bis(2-chloroethoxy)methane	ND		180	35
111-44-4	Bis(2-chloroethyl)ether	ND		180	34
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	39
85-68-7	Butyl benzyl phthalate	ND		180	33
105-60-2	Caprolactam	ND		180	42
86-74-8	Carbazole	ND		180	36
218-01-9	Chrysene	94	J	180	44
53-70-3	Dibenz(a,h)anthracene	ND		180	37
132-64-9	Dibenzofuran	ND		180	32
84-66-2	Diethyl phthalate	ND		180	32
131-11-3	Dimethyl phthalate	ND		180	35
84-74-2	Di-n-butyl phthalate	ND		180	41
117-84-0	Di-n-octyl phthalate	ND		180	35
206-44-0	Fluoranthene	140	J F2	180	33
86-73-7	Fluorene	ND		180	33
118-74-1	Hexachlorobenzene	ND		180	35
87-68-3	Hexachlorobutadiene	ND		180	27
77-47-4	Hexachlorocyclopentadiene	ND		350	79
67-72-1	Hexachloroethane	ND		180	33
193-39-5	Indeno[1,2,3-cd]pyrene	50	J	180	27
78-59-1	Isophorone	ND		180	37
91-20-3	Naphthalene	ND		180	30
98-95-3	Nitrobenzene	ND		180	30
621-64-7	N-Nitrosodi-n-propylamine	ND		180	41
86-30-6	N-Nitrosodiphenylamine	ND		180	30
87-86-5	Pentachlorophenol	ND		350	58

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft | Lab Sample ID: 480-232238-5

Matrix: Solid | Lab File ID: X000000365326.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.12(g) | Date Analyzed: 09/04/2025 13:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND	F2	180	34
108-95-2	Phenol	ND		180	33
129-00-0	Pyrene	130	J	180	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		10-140
321-60-8	2-Fluorobiphenyl	87		29-120
367-12-4	2-Fluorophenol	71		18-120
4165-60-0	Nitrobenzene-d5	74		22-120
4165-62-2	Phenol-d5	68		23-120
1718-51-0	p-Terphenyl-d14	86		28-124

GENERAL CHEMISTRY

No data validation qualifiers were added

MKP 9/30/2025

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-232238-1

SDG No.:

Project: 412 E. Main Street Fredonia

Client Sample ID	Lab Sample ID
SB-04-CONF-N-1Ft	480-232238-1
SB-04-CONF-E-1Ft	480-232238-2
SB-04-CONF-S-1Ft	480-232238-3
SB-04-CONF-W-1Ft	480-232238-4
SB-04-CONF-D-1Ft	480-232238-5

Comments:

General Chemistry Raw Data Report

Job ID: 480-232238-1

Batch: 755905 **Analyst Initials: MAN**

Method: Moisture **Instrument: No Equipment Used for this Test**

Lab Sample ID: 480-232238-A-1

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	13.1172839506173	%
Percent Solids	None	1	86.8827160493827	%

Lab Sample ID: 480-232238-A-2

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	6.01915184678521	%
Percent Solids	None	1	93.9808481532148	%

Lab Sample ID: 480-232238-A-3

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	11.6883116883117	%
Percent Solids	None	1	88.3116883116883	%

Lab Sample ID: 480-232238-A-4

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	8.95381715362871	%
Percent Solids	None	1	91.0461828463713	%

Lab Sample ID: 480-232238-A-5

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	7.41935483870969	%
Percent Solids	None	1	92.5806451612903	%

Appendix B

Laboratory QC Documentation

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

APPENDIX E

RAW ANALYTICAL LABORATORY DATA

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cody Martin
C&S Engineers, Inc.
141 Elm Street
Suite 100
Buffalo NY 14203

Generated 09/08/2025

JOB DESCRIPTION

412 E. Main Street Fredonia

JOB NUMBER

480-232238-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
09/08/2025

Authorized for release by
John Beninati, Project Manager I
John.Beninati@et.eurofinsus.com
716 504-9874

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Job Narrative
480-232238-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 9/2/2025 12:22 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.6°C.

GC/MS Semi VOA
Method 8270D: The following sample(s) was diluted due to color, appearance, and viscosity. SB-04-CONF-N-1Ft (480-232238-1) and SB-04-CONF-S-1Ft (480-232238-3). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: C&S Engineers, Inc.
Job ID: 480-232238-1
Project/Site: 412 E. Main Street Fredonia

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-232238-1	SB-04-CONF-N-1Ft	Solid	09/02/25 08:05	09/02/25 12:22	New York
480-232238-2	SB-04-CONF-E-1Ft	Solid	09/02/25 08:06	09/02/25 12:22	New York
480-232238-3	SB-04-CONF-S-1Ft	Solid	09/02/25 08:07	09/02/25 12:22	New York
480-232238-4	SB-04-CONF-W-1Ft	Solid	09/02/25 08:08	09/02/25 12:22	New York
480-232238-5	SB-04-CONF-D-1Ft	Solid	09/02/25 08:09	09/02/25 12:22	New York

Detection Summary

Client: C&S Engineers, Inc.
Project/Site: 412 E. Main Street Fredonia

Job ID: 480-232238-1

Client Sample ID: SB-04-CONF-N-1Ft — Lab Sample ID: 480-232238-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	340	J	970	130	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	430	J	970	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	640	J	970	130	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	400	J	970	170	ug/Kg	5	☼	8270D	Total/NA
Chrysene	540	J	970	230	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	860	J	970	180	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	300	J	970	140	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	430	J	970	180	ug/Kg	5	☼	8270D	Total/NA
Pyrene	660	J	970	180	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: SB-04-CONF-E-1Ft — Lab Sample ID: 480-232238-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	63	J	180	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	90	J	180	24	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	51	J	180	31	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	86	J	180	32	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	40	J	180	26	ug/Kg	1	☼	8270D	Total/NA
Pyrene	79	J	180	34	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SB-04-CONF-S-1Ft — Lab Sample ID: 480-232238-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	300	J	950	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	420	J	950	130	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	250	J	950	170	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	620	J	950	170	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	180	J	950	140	ug/Kg	5	☼	8270D	Total/NA
Pyrene	420	J	950	180	ug/Kg	5	☼	8270D	Total/NA

Client Sample ID: SB-04-CONF-W-1Ft — Lab Sample ID: 480-232238-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	43	J	190	29	ug/Kg	1	☼	8270D	Total/NA
Anthracene	85	J	190	34	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	450		190	25	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	430		190	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	520		190	25	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	360		190	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	330		190	41	ug/Kg	1	☼	8270D	Total/NA
Carbazole	42	J	190	36	ug/Kg	1	☼	8270D	Total/NA
Chrysene	510		190	44	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	980		190	34	ug/Kg	1	☼	8270D	Total/NA
Fluorene	35	J	190	34	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	260		190	27	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	510		190	35	ug/Kg	1	☼	8270D	Total/NA
Pyrene	790		190	35	ug/Kg	1	☼	8270D	Total/NA

Client Sample ID: SB-04-CONF-D-1Ft — Lab Sample ID: 480-232238-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	90	J	180	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	110	J	180	24	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-04-CONF-D-1Ft (Continued) Lab Sample ID: 480-232238-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	72	J	180	32	ug/Kg	1	☼	8270D	Total/NA
Chrysene	94	J	180	44	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	140	J F2	180	33	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	50	J	180	27	ug/Kg	1	☼	8270D	Total/NA
Pyrene	130	J	180	34	ug/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: C&S Engineers, Inc. Job ID: 480-232238-1
Project/Site: 412 E. Main Street Fredonia

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3546	Microwave Extraction	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: SB-04-CONF-N-1Ft
Date Collected: 09/02/25 08:05
Date Received: 09/02/25 12:22

Lab Sample ID: 480-232238-1
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		970	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2,4,6-Trichlorophenol	ND		970	150	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2,4-Dichlorophenol	ND		970	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2,4-Dimethylphenol	ND		970	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2,4-Dinitrophenol	ND		9500	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2,4-Dinitrotoluene	ND		970	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2,6-Dinitrotoluene	ND		970	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2-Chloronaphthalene	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2-Chlorophenol	ND		970	150	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2-Methylnaphthalene	ND		970	150	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2-Methylphenol	ND		970	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2-Nitroaniline	ND		1900	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
2-Nitrophenol	ND		970	110	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
3,3'-Dichlorobenzidine	ND		1900	280	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
3-Nitroaniline	ND		1900	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4,6-Dinitro-2-methylphenol	ND		1900	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Bromophenyl phenyl ether	ND		970	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Chloro-3-methylphenol	ND		970	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Chloroaniline	ND		970	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Chlorophenyl phenyl ether	ND		970	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Methylphenol	ND		1900	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Nitroaniline	ND		1900	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
4-Nitrophenol	ND		1900	260	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Acenaphthene	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Acenaphthylene	ND		970	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Acetophenone	ND		970	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Anthracene	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Atrazine	ND		970	330	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Benzaldehyde	ND		970	730	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Benzo[a]anthracene	**340**	**J**	970	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Benzo[a]pyrene	**430**	**J**	970	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Benzo[b]fluoranthene	**640**	**J**	970	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Benzo[g,h,i]perylene	**400**	**J**	970	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Benzo[k]fluoranthene	ND		970	220	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Biphenyl	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
bis (2-chloroisopropyl) ether	ND		970	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Bis(2-chloroethoxy)methane	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Bis(2-chloroethyl)ether	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Bis(2-ethylhexyl) phthalate	ND		970	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Butyl benzyl phthalate	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Caprolactam	ND		970	220	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Carbazole	ND		970	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Chrysene	**540**	**J**	970	230	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Dibenz(a,h)anthracene	ND		970	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Dibenzofuran	ND		970	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Diethyl phthalate	ND		970	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Dimethyl phthalate	ND		970	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Di-n-butyl phthalate	ND		970	220	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Di-n-octyl phthalate	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5

Client Sample ID: SB-04-CONF-N-1Ft
Lab Sample ID: 480-232238-1
Date Collected: 09/02/25 08:05 **Matrix: Solid**
Date Received: 09/02/25 12:22 **Percent Solids: 86.9**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**860**	**J**	970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Fluorene	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Hexachlorobenzene	ND		970	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Hexachlorobutadiene	ND		970	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Hexachlorocyclopentadiene	ND		1900	420	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Hexachloroethane	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Indeno[1,2,3-cd]pyrene	**300**	**J**	970	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Isophorone	ND		970	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Naphthalene	ND		970	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Nitrobenzene	ND		970	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
N-Nitrosodi-n-propylamine	ND		970	220	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
N-Nitrosodiphenylamine	ND		970	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Pentachlorophenol	ND		1900	310	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Phenanthrene	**430**	**J**	970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Phenol	ND		970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5
Pyrene	**660**	**J**	970	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*10 - 140*	*09/03/25 13:20*	*09/04/25 14:04*	*5*
2-Fluorobiphenyl	*76*		*29 - 120*	*09/03/25 13:20*	*09/04/25 14:04*	*5*
2-Fluorophenol	*68*		*18 - 120*	*09/03/25 13:20*	*09/04/25 14:04*	*5*
Nitrobenzene-d5	*75*		*22 - 120*	*09/03/25 13:20*	*09/04/25 14:04*	*5*
Phenol-d5	*72*		*23 - 120*	*09/03/25 13:20*	*09/04/25 14:04*	*5*
p-Terphenyl-d14	*84*		*28 - 124*	*09/03/25 13:20*	*09/04/25 14:04*	*5*

Client Sample ID: SB-04-CONF-E-1Ft
Lab Sample ID: 480-232238-2
Date Collected: 09/02/25 08:06 **Matrix: Solid**
Date Received: 09/02/25 12:22 **Percent Solids: 94.0**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		180	36	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2,4,6-Trichlorophenol	ND		180	27	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2,4-Dimethylphenol	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2,4-Dinitrophenol	ND		1700	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2,4-Dinitrotoluene	ND		180	24	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2,6-Dinitrotoluene	ND		180	25	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2-Chloronaphthalene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2-Methylnaphthalene	ND		180	28	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2-Methylphenol	ND		180	29	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2-Nitroaniline	ND		350	30	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
2-Nitrophenol	ND		180	20	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
3,3'-Dichlorobenzidine	ND		350	52	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
3-Nitroaniline	ND		350	25	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4,6-Dinitro-2-methylphenol	ND		350	39	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4-Bromophenyl phenyl ether	ND		180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4-Chloro-3-methylphenol	ND		180	36	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4-Chloroaniline	ND		180	25	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1

Client Sample ID: SB-04-CONF-E-1Ft

Lab Sample ID: 480-232238-2
Date Collected: 09/02/25 08:06
Matrix: Solid
Date Received: 09/02/25 12:22
Percent Solids: 94.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4-Methylphenol	ND		350	32	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4-Nitroaniline	ND		350	26	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
4-Nitrophenol	ND		350	48	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Acenaphthene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Acenaphthylene	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Acetophenone	ND		180	31	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Anthracene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Atrazine	ND		180	60	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Benzaldehyde	ND		180	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Benzo[a]anthracene	ND		180	24	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Benzo[a]pyrene	**63**	**J**	180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Benzo[b]fluoranthene	**90**	**J**	180	24	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Benzo[g,h,i]perylene	**51**	**J**	180	31	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Benzo[k]fluoranthene	ND		180	40	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Biphenyl	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
bis (2-chloroisopropyl) ether	ND		180	36	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Bis(2-chloroethoxy)methane	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Bis(2-chloroethyl)ether	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Bis(2-ethylhexyl) phthalate	ND		180	39	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Caprolactam	ND		180	41	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Carbazole	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Chrysene	ND		180	43	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Dibenz(a,h)anthracene	ND		180	36	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Dibenzofuran	ND		180	31	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Dimethyl phthalate	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Di-n-butyl phthalate	ND		180	40	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Di-n-octyl phthalate	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Fluoranthene	**86**	**J**	180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Fluorene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Hexachlorobenzene	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Hexachlorocyclopentadiene	ND		350	78	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Hexachloroethane	ND		180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Indeno[1,2,3-cd]pyrene	**40**	**J**	180	26	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Isophorone	ND		180	36	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Naphthalene	ND		180	29	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Nitrobenzene	ND		180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
N-Nitrosodi-n-propylamine	ND		180	40	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Pentachlorophenol	ND		350	57	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Phenanthrene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Phenol	ND		180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1
Pyrene	**79**	**J**	180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*10 - 140*	*09/03/25 13:20*	*09/04/25 14:29*	*1*
2-Fluorobiphenyl	*90*		*29 - 120*	*09/03/25 13:20*	*09/04/25 14:29*	*1*

Client Sample ID: SB-04-CONF-E-1Ft — Lab Sample ID: 480-232238-2

Date Collected: 09/02/25 08:06 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 94.0**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*66*		*18 - 120*	*09/03/25 13:20*	*09/04/25 14:29*	*1*
Nitrobenzene-d5	*76*		*22 - 120*	*09/03/25 13:20*	*09/04/25 14:29*	*1*
Phenol-d5	*63*		*23 - 120*	*09/03/25 13:20*	*09/04/25 14:29*	*1*
p-Terphenyl-d14	*90*		*28 - 124*	*09/03/25 13:20*	*09/04/25 14:29*	*1*

Client Sample ID: SB-04-CONF-S-1Ft — Lab Sample ID: 480-232238-3

Date Collected: 09/02/25 08:07 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 88.3**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2,4,6-Trichlorophenol	ND		950	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2,4-Dichlorophenol	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2,4-Dimethylphenol	ND		950	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2,4-Dinitrophenol	ND		9300	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2,4-Dinitrotoluene	ND		950	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2,6-Dinitrotoluene	ND		950	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2-Chloronaphthalene	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2-Chlorophenol	ND		950	150	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2-Methylnaphthalene	ND		950	150	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2-Methylphenol	ND		950	150	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2-Nitroaniline	ND		1800	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
2-Nitrophenol	ND		950	110	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
3,3'-Dichlorobenzidine	ND		1800	280	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
3-Nitroaniline	ND		1800	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4,6-Dinitro-2-methylphenol	ND		1800	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Bromophenyl phenyl ether	ND		950	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Chloro-3-methylphenol	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Chloroaniline	ND		950	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Chlorophenyl phenyl ether	ND		950	200	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Methylphenol	ND		1800	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Nitroaniline	ND		1800	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
4-Nitrophenol	ND		1800	260	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Acenaphthene	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Acenaphthylene	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Acetophenone	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Anthracene	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Atrazine	ND		950	320	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Benzaldehyde	ND		950	720	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Benzo[a]anthracene	ND		950	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Benzo[a]pyrene	**300**	**J**	950	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Benzo[b]fluoranthene	**420**	**J**	950	130	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Benzo[g,h,i]perylene	**250**	**J**	950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Benzo[k]fluoranthene	ND		950	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Biphenyl	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
bis (2-chloroisopropyl) ether	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Bis(2-chloroethoxy)methane	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Bis(2-chloroethyl)ether	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5

Client Sample ID: SB-04-CONF-S-1Ft — Lab Sample ID: 480-232238-3

Date Collected: 09/02/25 08:07 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 88.3**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	ND		950	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Butyl benzyl phthalate	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Caprolactam	ND		950	220	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Carbazole	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Chrysene	ND		950	230	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Dibenz(a,h)anthracene	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Dibenzofuran	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Diethyl phthalate	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Dimethyl phthalate	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Di-n-butyl phthalate	ND		950	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Di-n-octyl phthalate	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Fluoranthene	**620**	**J**	950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Fluorene	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Hexachlorobenzene	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Hexachlorobutadiene	ND		950	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Hexachlorocyclopentadiene	ND		1800	410	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Hexachloroethane	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Indeno[1,2,3-cd]pyrene	**180**	**J**	950	140	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Isophorone	ND		950	190	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Naphthalene	ND		950	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Nitrobenzene	ND		950	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
N-Nitrosodi-n-propylamine	ND		950	210	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
N-Nitrosodiphenylamine	ND		950	160	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Pentachlorophenol	ND		1800	300	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Phenanthrene	ND		950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Phenol	ND		950	170	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5
Pyrene	**420**	**J**	950	180	ug/Kg	☼	09/03/25 13:20	09/04/25 14:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*10 - 140*	*09/03/25 13:20*	*09/04/25 14:54*	*5*
2-Fluorobiphenyl	*79*		*29 - 120*	*09/03/25 13:20*	*09/04/25 14:54*	*5*
2-Fluorophenol	*75*		*18 - 120*	*09/03/25 13:20*	*09/04/25 14:54*	*5*
Nitrobenzene-d5	*73*		*22 - 120*	*09/03/25 13:20*	*09/04/25 14:54*	*5*
Phenol-d5	*67*		*23 - 120*	*09/03/25 13:20*	*09/04/25 14:54*	*5*
p-Terphenyl-d14	*87*		*28 - 124*	*09/03/25 13:20*	*09/04/25 14:54*	*5*

Client Sample ID: SB-04-CONF-W-1Ft — Lab Sample ID: 480-232238-4

Date Collected: 09/02/25 08:08 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 91.0**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		190	37	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2,4,6-Trichlorophenol	ND		190	28	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2,4-Dichlorophenol	ND		190	36	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2,4-Dimethylphenol	ND		190	39	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2,4-Dinitrophenol	ND		1800	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2,4-Dinitrotoluene	ND		190	25	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2,6-Dinitrotoluene	ND		190	26	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2-Chloronaphthalene	ND		190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1

Client Sample ID: SB-04-CONF-W-1Ft

Lab Sample ID: 480-232238-4
Date Collected: 09/02/25 08:08
Matrix: Solid
Date Received: 09/02/25 12:22
Percent Solids: 91.0

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		190	29	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2-Methylnaphthalene	**43**	**J**	190	29	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2-Methylphenol	ND		190	30	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2-Nitroaniline	ND		360	31	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
2-Nitrophenol	ND		190	21	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
3,3'-Dichlorobenzidine	ND		360	54	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
3-Nitroaniline	ND		360	26	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4,6-Dinitro-2-methylphenol	ND		360	40	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Bromophenyl phenyl ether	ND		190	31	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Chloro-3-methylphenol	ND		190	38	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Chloroaniline	ND		190	26	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Chlorophenyl phenyl ether	ND		190	39	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Methylphenol	ND		360	33	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Nitroaniline	ND		360	27	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
4-Nitrophenol	ND		360	50	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Acenaphthene	ND		190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Acenaphthylene	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Acetophenone	ND		190	32	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Anthracene	**85**	**J**	190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Atrazine	ND		190	62	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Benzaldehyde	ND		190	140	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Benzo[a]anthracene	**450**		190	25	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Benzo[a]pyrene	**430**		190	31	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Benzo[b]fluoranthene	**520**		190	25	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Benzo[g,h,i]perylene	**360**		190	32	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Benzo[k]fluoranthene	**330**		190	41	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Biphenyl	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Bis(2-chloroethoxy)methane	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Bis(2-chloroethyl)ether	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Bis(2-ethylhexyl) phthalate	ND		190	40	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Butyl benzyl phthalate	ND		190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Caprolactam	ND		190	43	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Carbazole	**42**	**J**	190	36	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Chrysene	**510**		190	44	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Dibenz(a,h)anthracene	ND		190	37	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Dibenzofuran	ND		190	32	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Diethyl phthalate	ND		190	33	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Dimethyl phthalate	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Di-n-butyl phthalate	ND		190	41	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Di-n-octyl phthalate	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Fluoranthene	**980**		190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Fluorene	**35**	**J**	190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Hexachlorobenzene	ND		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Hexachlorocyclopentadiene	ND		360	81	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Hexachloroethane	ND		190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Indeno[1,2,3-cd]pyrene	**260**		190	27	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Isophorone	ND		190	38	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1

Client Sample ID: SB-04-CONF-W-1Ft
Lab Sample ID: 480-232238-4
Date Collected: 09/02/25 08:08 **Matrix: Solid**
Date Received: 09/02/25 12:22 **Percent Solids: 91.0**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		190	31	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Nitrobenzene	ND		190	31	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
N-Nitrosodi-n-propylamine	ND		190	41	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
N-Nitrosodiphenylamine	ND		190	31	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Pentachlorophenol	ND		360	59	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Phenanthrene	**510**		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Phenol	ND		190	34	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1
Pyrene	**790**		190	35	ug/Kg	☼	09/03/25 13:20	09/04/25 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*10 - 140*	*09/03/25 13:20*	*09/04/25 15:19*	*1*
2-Fluorobiphenyl	*81*		*29 - 120*	*09/03/25 13:20*	*09/04/25 15:19*	*1*
2-Fluorophenol	*68*		*18 - 120*	*09/03/25 13:20*	*09/04/25 15:19*	*1*
Nitrobenzene-d5	*73*		*22 - 120*	*09/03/25 13:20*	*09/04/25 15:19*	*1*
Phenol-d5	*74*		*23 - 120*	*09/03/25 13:20*	*09/04/25 15:19*	*1*
p-Terphenyl-d14	*83*		*28 - 124*	*09/03/25 13:20*	*09/04/25 15:19*	*1*

Client Sample ID: SB-04-CONF-D-1Ft
Lab Sample ID: 480-232238-5
Date Collected: 09/02/25 08:09 **Matrix: Solid**
Date Received: 09/02/25 12:22 **Percent Solids: 92.6**

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2,4,6-Trichlorophenol	ND		180	28	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2,4-Dichlorophenol	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2,4-Dimethylphenol	ND		180	38	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2,4-Dinitrophenol	ND		1800	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2,4-Dinitrotoluene	ND		180	25	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2,6-Dinitrotoluene	ND		180	26	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2-Chloronaphthalene	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2-Chlorophenol	ND		180	28	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2-Methylnaphthalene	ND		180	29	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2-Methylphenol	ND		180	29	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2-Nitroaniline	ND		350	31	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
2-Nitrophenol	ND		180	21	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
3,3'-Dichlorobenzidine	ND		350	53	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
3-Nitroaniline	ND		350	26	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4,6-Dinitro-2-methylphenol	ND		350	40	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Bromophenyl phenyl ether	ND		180	31	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Chloro-3-methylphenol	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Chloroaniline	ND		180	26	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Chlorophenyl phenyl ether	ND		180	38	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Methylphenol	ND		350	32	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Nitroaniline	ND		350	27	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
4-Nitrophenol	ND		350	50	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Acenaphthene	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Acenaphthylene	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Acetophenone	ND		180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Anthracene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1

Client Sample ID: SB-04-CONF-D-1Ft
Date Collected: 09/02/25 08:09
Date Received: 09/02/25 12:22

Lab Sample ID: 480-232238-5
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		180	61	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Benzaldehyde	ND		180	140	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Benzo[a]anthracene	ND		180	25	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Benzo[a]pyrene	**90**	**J**	180	31	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Benzo[b]fluoranthene	**110**	**J**	180	24	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Benzo[g,h,i]perylene	**72**	**J**	180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Benzo[k]fluoranthene	ND		180	41	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Biphenyl	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
bis (2-chloroisopropyl) ether	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Bis(2-chloroethoxy)methane	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Bis(2-chloroethyl)ether	ND		180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Bis(2-ethylhexyl) phthalate	ND		180	39	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Butyl benzyl phthalate	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Caprolactam	ND		180	42	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Carbazole	ND		180	36	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Chrysene	**94**	**J**	180	44	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Dibenz(a,h)anthracene	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Dibenzofuran	ND		180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Diethyl phthalate	ND		180	32	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Dimethyl phthalate	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Di-n-butyl phthalate	ND		180	41	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Di-n-octyl phthalate	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Fluoranthene	**140**	**J F2**	180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Fluorene	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Hexachlorobenzene	ND		180	35	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Hexachlorobutadiene	ND		180	27	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Hexachlorocyclopentadiene	ND		350	79	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Hexachloroethane	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Indeno[1,2,3-cd]pyrene	**50**	**J**	180	27	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Isophorone	ND		180	37	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Naphthalene	ND		180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Nitrobenzene	ND		180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
N-Nitrosodi-n-propylamine	ND		180	41	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
N-Nitrosodiphenylamine	ND		180	30	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Pentachlorophenol	ND		350	58	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Phenanthrene	ND	F2	180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Phenol	ND		180	33	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1
Pyrene	**130**	**J**	180	34	ug/Kg	☼	09/03/25 13:20	09/04/25 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*10 - 140*	*09/03/25 13:20*	*09/04/25 13:39*	*1*
2-Fluorobiphenyl	*87*		*29 - 120*	*09/03/25 13:20*	*09/04/25 13:39*	*1*
2-Fluorophenol	*71*		*18 - 120*	*09/03/25 13:20*	*09/04/25 13:39*	*1*
Nitrobenzene-d5	*74*		*22 - 120*	*09/03/25 13:20*	*09/04/25 13:39*	*1*
Phenol-d5	*68*		*23 - 120*	*09/03/25 13:20*	*09/04/25 13:39*	*1*
p-Terphenyl-d14	*86*		*28 - 124*	*09/03/25 13:20*	*09/04/25 13:39*	*1*

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: 412 E. Main Street Fredonia

Job ID: 480-232238-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL	TPHd14		
Lab Sample ID	Client Sample ID	(10-140)	(29-120)	(18-120)	(22-120)	(23-120)	(28-124)		
480-232238-1	SB-04-CONF-N-1Ft	93	76	68	75	72	84		
480-232238-2	SB-04-CONF-E-1Ft	82	90	66	76	63	90		
480-232238-3	SB-04-CONF-S-1Ft	79	79	75	73	67	87		
480-232238-4	SB-04-CONF-W-1Ft	85	81	68	73	74	83		
480-232238-5	SB-04-CONF-D-1Ft	78	87	71	74	68	86		
480-232238-5 MS	SB-04-CONF-D-1Ft	98	90	83	75	80	94		
480-232238-5 MSD	SB-04-CONF-D-1Ft	93	86	73	76	75	89		
LCS 480-755889/2-A	Lab Control Sample	84	86	68	75	70	85		
MB 480-755889/1-A	Method Blank	78	82	69	75	69	89		

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-755889/1-A
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 755889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2-Chloronaphthalene	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2-Chlorophenol	ND		170	27	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2-Methylnaphthalene	ND		170	27	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2-Methylphenol	ND		170	27	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2-Nitroaniline	ND		330	29	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
2-Nitrophenol	ND		170	19	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
3-Nitroaniline	ND		330	24	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Chloroaniline	ND		170	24	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Methylphenol	ND		330	30	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Nitroaniline	ND		330	25	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
4-Nitrophenol	ND		330	46	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Acenaphthene	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Acenaphthylene	ND		170	33	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Acetophenone	ND		170	30	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Anthracene	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Atrazine	ND		170	57	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Benzaldehyde	ND		170	130	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Benzo[a]anthracene	ND		170	23	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Benzo[a]pyrene	ND		170	29	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Biphenyl	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Caprolactam	ND		170	39	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Carbazole	ND		170	33	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Chrysene	ND		170	41	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Dibenzofuran	ND		170	30	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Diethyl phthalate	ND		170	30	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Dimethyl phthalate	ND		170	33	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		09/03/25 13:20	09/04/25 12:00	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-755889/1-A
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 755889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Fluoranthene	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Fluorene	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Hexachlorobenzene	ND		170	33	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Hexachlorobutadiene	ND		170	25	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Hexachloroethane	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Isophorone	ND		170	35	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Naphthalene	ND		170	28	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Nitrobenzene	ND		170	28	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Pentachlorophenol	ND		330	54	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Phenanthrene	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Phenol	ND		170	31	ug/Kg		09/03/25 13:20	09/04/25 12:00	1
Pyrene	ND		170	32	ug/Kg		09/03/25 13:20	09/04/25 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*10 - 140*	*09/03/25 13:20*	*09/04/25 12:00*	*1*
2-Fluorobiphenyl	*82*		*29 - 120*	*09/03/25 13:20*	*09/04/25 12:00*	*1*
2-Fluorophenol	*69*		*18 - 120*	*09/03/25 13:20*	*09/04/25 12:00*	*1*
Nitrobenzene-d5	*75*		*22 - 120*	*09/03/25 13:20*	*09/04/25 12:00*	*1*
Phenol-d5	*69*		*23 - 120*	*09/03/25 13:20*	*09/04/25 12:00*	*1*
p-Terphenyl-d14	*89*		*28 - 124*	*09/03/25 13:20*	*09/04/25 12:00*	*1*

Lab Sample ID: LCS 480-755889/2-A
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	2670	2050		ug/Kg		77	52 - 120
2,4,6-Trichlorophenol	2670	2180		ug/Kg		82	51 - 120
2,4-Dichlorophenol	2670	2370		ug/Kg		89	44 - 120
2,4-Dimethylphenol	2670	2230		ug/Kg		84	48 - 120
2,4-Dinitrophenol	5330	2840		ug/Kg		53	28 - 120
2,4-Dinitrotoluene	2670	2280		ug/Kg		86	55 - 125
2,6-Dinitrotoluene	2670	2130		ug/Kg		80	51 - 125
2-Chloronaphthalene	2670	2100		ug/Kg		79	46 - 120
2-Chlorophenol	2670	1870		ug/Kg		70	40 - 120
2-Methylnaphthalene	2670	2160		ug/Kg		81	45 - 120
2-Methylphenol	2670	1860		ug/Kg		70	41 - 120
2-Nitroaniline	2670	1920		ug/Kg		72	51 - 125
2-Nitrophenol	2670	2200		ug/Kg		83	43 - 120
3,3'-Dichlorobenzidine	2670	1600		ug/Kg		60	10 - 120
3-Nitroaniline	2670	1330		ug/Kg		50	33 - 120
4,6-Dinitro-2-methylphenol	5330	4230		ug/Kg		79	49 - 126
4-Bromophenyl phenyl ether	2670	2370		ug/Kg		89	55 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-755889/2-A
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Chloro-3-methylphenol	2670	2090		ug/Kg		78	54 - 120
4-Chloroaniline	2670	1130		ug/Kg		42	20 - 120
4-Chlorophenyl phenyl ether	2670	2110		ug/Kg		79	54 - 120
4-Methylphenol	2670	1950		ug/Kg		73	43 - 120
4-Nitroaniline	2670	1870		ug/Kg		70	54 - 120
4-Nitrophenol	5330	3880		ug/Kg		73	47 - 120
Acenaphthene	2670	2150		ug/Kg		80	49 - 121
Acenaphthylene	2670	2070		ug/Kg		78	49 - 120
Acetophenone	2670	1810		ug/Kg		68	39 - 120
Anthracene	2670	2160		ug/Kg		81	57 - 120
Atrazine	2670	1620		ug/Kg		61	44 - 120
Benzaldehyde	2670	1120		ug/Kg		42	10 - 120
Benzo[a]anthracene	2670	2240		ug/Kg		84	58 - 120
Benzo[a]pyrene	2670	2260		ug/Kg		85	59 - 122
Benzo[b]fluoranthene	2670	2280		ug/Kg		86	56 - 120
Benzo[g,h,i]perylene	2670	2310		ug/Kg		87	56 - 132
Benzo[k]fluoranthene	2670	2330		ug/Kg		88	59 - 127
Biphenyl	2670	2170		ug/Kg		81	47 - 120
bis (2-chloroisopropyl) ether	2670	1710		ug/Kg		64	31 - 120
Bis(2-chloroethoxy)methane	2670	2090		ug/Kg		78	42 - 120
Bis(2-chloroethyl)ether	2670	1740		ug/Kg		65	34 - 120
Bis(2-ethylhexyl) phthalate	2670	2270		ug/Kg		85	49 - 130
Butyl benzyl phthalate	2670	2220		ug/Kg		83	50 - 122
Caprolactam	2670	1430		ug/Kg		54	10 - 120
Carbazole	2670	2240		ug/Kg		84	58 - 124
Chrysene	2670	2280		ug/Kg		85	57 - 120
Dibenz(a,h)anthracene	2670	2410		ug/Kg		91	53 - 124
Dibenzofuran	2670	2150		ug/Kg		81	53 - 120
Diethyl phthalate	2670	2050		ug/Kg		77	54 - 120
Dimethyl phthalate	2670	2030		ug/Kg		76	53 - 120
Di-n-butyl phthalate	2670	2100		ug/Kg		79	49 - 120
Di-n-octyl phthalate	2670	2270		ug/Kg		85	42 - 125
Fluoranthene	2670	2250		ug/Kg		84	57 - 121
Fluorene	2670	2240		ug/Kg		84	55 - 121
Hexachlorobenzene	2670	2180		ug/Kg		82	56 - 120
Hexachlorobutadiene	2670	2190		ug/Kg		82	40 - 120
Hexachlorocyclopentadiene	2670	1990		ug/Kg		75	30 - 125
Hexachloroethane	2670	1770		ug/Kg		66	34 - 120
Indeno[1,2,3-cd]pyrene	2670	2270		ug/Kg		85	53 - 125
Isophorone	2670	1930		ug/Kg		72	46 - 120
Naphthalene	2670	2060		ug/Kg		77	43 - 120
Nitrobenzene	2670	1920		ug/Kg		72	40 - 120
N-Nitrosodi-n-propylamine	2670	1760		ug/Kg		66	41 - 120
Pentachlorophenol	5330	3410		ug/Kg		64	10 - 124
Phenanthrene	2670	2240		ug/Kg		84	57 - 120
Phenol	2670	1720		ug/Kg		64	37 - 120
Pyrene	2670	2250		ug/Kg		85	59 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-755889/2-A
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 755889

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	*84*		*10 - 140*
2-Fluorobiphenyl	*86*		*29 - 120*
2-Fluorophenol	*68*		*18 - 120*
Nitrobenzene-d5	*75*		*22 - 120*
Phenol-d5	*70*		*23 - 120*
p-Terphenyl-d14	*85*		*28 - 124*

Lab Sample ID: 480-232238-5 MS
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: SB-04-CONF-D-1Ft
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	ND		2860	2580		ug/Kg	☼	90	46 - 120
2,4,6-Trichlorophenol	ND		2860	2380		ug/Kg	☼	83	41 - 123
2,4-Dichlorophenol	ND		2860	2540		ug/Kg	☼	89	45 - 120
2,4-Dimethylphenol	ND		2860	1990		ug/Kg	☼	70	52 - 120
2,4-Dinitrophenol	ND		5710	3100		ug/Kg	☼	54	41 - 146
2,4-Dinitrotoluene	ND		2860	2610		ug/Kg	☼	92	63 - 125
2,6-Dinitrotoluene	ND		2860	2550		ug/Kg	☼	89	66 - 120
2-Chloronaphthalene	ND		2860	2410		ug/Kg	☼	85	57 - 120
2-Chlorophenol	ND		2860	2260		ug/Kg	☼	79	43 - 120
2-Methylnaphthalene	ND		2860	2440		ug/Kg	☼	85	55 - 120
2-Methylphenol	ND		2860	2080		ug/Kg	☼	73	48 - 120
2-Nitroaniline	ND		2860	2030		ug/Kg	☼	71	61 - 120
2-Nitrophenol	ND		2860	2330		ug/Kg	☼	82	37 - 120
3,3'-Dichlorobenzidine	ND		2860	1700		ug/Kg	☼	60	37 - 126
3-Nitroaniline	ND		2860	1510		ug/Kg	☼	53	48 - 120
4,6-Dinitro-2-methylphenol	ND		5710	5020		ug/Kg	☼	88	23 - 149
4-Bromophenyl phenyl ether	ND		2860	2660		ug/Kg	☼	93	58 - 120
4-Chloro-3-methylphenol	ND		2860	2120		ug/Kg	☼	74	49 - 125
4-Chloroaniline	ND		2860	1260		ug/Kg	☼	44	38 - 120
4-Chlorophenyl phenyl ether	ND		2860	2530		ug/Kg	☼	88	63 - 124
4-Methylphenol	ND		2860	2200		ug/Kg	☼	77	50 - 120
4-Nitroaniline	ND		2860	2270		ug/Kg	☼	79	47 - 120
4-Nitrophenol	ND		5710	4820		ug/Kg	☼	84	31 - 147
Acenaphthene	ND		2860	2390		ug/Kg	☼	84	60 - 120
Acenaphthylene	ND		2860	2330		ug/Kg	☼	81	58 - 121
Acetophenone	ND		2860	2030		ug/Kg	☼	71	47 - 120
Anthracene	ND		2860	2400		ug/Kg	☼	84	62 - 120
Atrazine	ND		2860	1880		ug/Kg	☼	66	60 - 150
Benzaldehyde	ND		2860	1330		ug/Kg	☼	47	10 - 150
Benzo[a]anthracene	ND		2860	2650		ug/Kg	☼	93	65 - 120
Benzo[a]pyrene	90	J	2860	2490		ug/Kg	☼	84	64 - 120
Benzo[b]fluoranthene	110	J	2860	2470		ug/Kg	☼	83	10 - 150
Benzo[g,h,i]perylene	72	J	2860	2710		ug/Kg	☼	92	45 - 145
Benzo[k]fluoranthene	ND		2860	2540		ug/Kg	☼	89	23 - 150
Biphenyl	ND		2860	2410		ug/Kg	☼	84	58 - 120
bis (2-chloroisopropyl) ether	ND		2860	2050		ug/Kg	☼	72	31 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-232238-5 MS
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: SB-04-CONF-D-1Ft
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	ND		2860	2230		ug/Kg	☼	78	52 - 120
Bis(2-chloroethyl)ether	ND		2860	2030		ug/Kg	☼	71	45 - 120
Bis(2-ethylhexyl) phthalate	ND		2860	2670		ug/Kg	☼	93	61 - 133
Butyl benzyl phthalate	ND		2860	2620		ug/Kg	☼	92	61 - 120
Caprolactam	ND		2860	1580		ug/Kg	☼	55	37 - 133
Carbazole	ND		2860	2660		ug/Kg	☼	93	59 - 120
Chrysene	94	J	2860	2670		ug/Kg	☼	90	64 - 120
Dibenz(a,h)anthracene	ND		2860	2720		ug/Kg	☼	95	54 - 132
Dibenzofuran	ND		2860	2370		ug/Kg	☼	83	62 - 120
Diethyl phthalate	ND		2860	2320		ug/Kg	☼	81	66 - 120
Dimethyl phthalate	ND		2860	2390		ug/Kg	☼	84	65 - 124
Di-n-butyl phthalate	ND		2860	2450		ug/Kg	☼	86	58 - 130
Di-n-octyl phthalate	ND		2860	2710		ug/Kg	☼	95	57 - 133
Fluoranthene	140	J F2	2860	2490		ug/Kg	☼	82	62 - 120
Fluorene	ND		2860	2340		ug/Kg	☼	82	63 - 120
Hexachlorobenzene	ND		2860	2540		ug/Kg	☼	89	60 - 120
Hexachlorobutadiene	ND		2860	2330		ug/Kg	☼	82	45 - 120
Hexachlorocyclopentadiene	ND		2860	2220		ug/Kg	☼	78	31 - 120
Hexachloroethane	ND		2860	2210		ug/Kg	☼	77	21 - 120
Indeno[1,2,3-cd]pyrene	50	J	2860	2510		ug/Kg	☼	86	56 - 134
Isophorone	ND		2860	2160		ug/Kg	☼	76	56 - 120
Naphthalene	ND		2860	2260		ug/Kg	☼	79	46 - 120
Nitrobenzene	ND		2860	2200		ug/Kg	☼	77	49 - 120
N-Nitrosodi-n-propylamine	ND		2860	2150		ug/Kg	☼	75	46 - 120
Pentachlorophenol	ND		5710	4140		ug/Kg	☼	72	10 - 136
Phenanthrene	ND	F2	2860	2620		ug/Kg	☼	92	60 - 122
Phenol	ND		2860	2010		ug/Kg	☼	70	50 - 120
Pyrene	130	J	2860	2830		ug/Kg	☼	95	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*98*		*10 - 140*
2-Fluorobiphenyl	*90*		*29 - 120*
2-Fluorophenol	*83*		*18 - 120*
Nitrobenzene-d5	*75*		*22 - 120*
Phenol-d5	*80*		*23 - 120*
p-Terphenyl-d14	*94*		*28 - 124*

Lab Sample ID: 480-232238-5 MSD
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: SB-04-CONF-D-1Ft
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	ND		2870	2390		ug/Kg	☼	83	46 - 120	8	18
2,4,6-Trichlorophenol	ND		2870	2340		ug/Kg	☼	82	41 - 123	2	19
2,4-Dichlorophenol	ND		2870	2510		ug/Kg	☼	87	45 - 120	1	19
2,4-Dimethylphenol	ND		2870	1990		ug/Kg	☼	69	52 - 120	0	42
2,4-Dinitrophenol	ND		5740	3110		ug/Kg	☼	54	41 - 146	0	22
2,4-Dinitrotoluene	ND		2870	2370		ug/Kg	☼	83	63 - 125	10	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-232238-5 MSD
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: SB-04-CONF-D-1Ft
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,6-Dinitrotoluene	ND		2870	2410		ug/Kg	☼	84	66 - 120	6	15
2-Chloronaphthalene	ND		2870	2250		ug/Kg	☼	78	57 - 120	7	21
2-Chlorophenol	ND		2870	2200		ug/Kg	☼	77	43 - 120	3	25
2-Methylnaphthalene	ND		2870	2390		ug/Kg	☼	83	55 - 120	2	21
2-Methylphenol	ND		2870	2000		ug/Kg	☼	70	48 - 120	4	27
2-Nitroaniline	ND		2870	2050		ug/Kg	☼	71	61 - 120	1	15
2-Nitrophenol	ND		2870	2440		ug/Kg	☼	85	37 - 120	5	18
3,3'-Dichlorobenzidine	ND		2870	1600		ug/Kg	☼	56	37 - 126	6	25
3-Nitroaniline	ND		2870	1570		ug/Kg	☼	55	48 - 120	4	19
4,6-Dinitro-2-methylphenol	ND		5740	4740		ug/Kg	☼	83	23 - 149	6	15
4-Bromophenyl phenyl ether	ND		2870	2500		ug/Kg	☼	87	58 - 120	6	15
4-Chloro-3-methylphenol	ND		2870	2190		ug/Kg	☼	76	49 - 125	3	27
4-Chloroaniline	ND		2870	1160		ug/Kg	☼	40	38 - 120	8	22
4-Chlorophenyl phenyl ether	ND		2870	2350		ug/Kg	☼	82	63 - 124	7	16
4-Methylphenol	ND		2870	2060		ug/Kg	☼	72	50 - 120	6	24
4-Nitroaniline	ND		2870	1830		ug/Kg	☼	64	47 - 120	21	24
4-Nitrophenol	ND		5740	4210		ug/Kg	☼	73	31 - 147	14	25
Acenaphthene	ND		2870	2260		ug/Kg	☼	79	60 - 120	6	35
Acenaphthylene	ND		2870	2150		ug/Kg	☼	75	58 - 121	8	18
Acetophenone	ND		2870	2020		ug/Kg	☼	70	47 - 120	0	20
Anthracene	ND		2870	2530		ug/Kg	☼	88	62 - 120	5	15
Atrazine	ND		2870	1740		ug/Kg	☼	61	60 - 150	8	20
Benzaldehyde	ND		2870	1210		ug/Kg	☼	42	10 - 150	10	20
Benzo[a]anthracene	ND		2870	2670		ug/Kg	☼	93	65 - 120	1	15
Benzo[a]pyrene	90	J	2870	2550		ug/Kg	☼	86	64 - 120	3	15
Benzo[b]fluoranthene	110	J	2870	2470		ug/Kg	☼	82	10 - 150	0	15
Benzo[g,h,i]perylene	72	J	2870	2830		ug/Kg	☼	96	45 - 145	4	15
Benzo[k]fluoranthene	ND		2870	2770		ug/Kg	☼	96	23 - 150	9	22
Biphenyl	ND		2870	2200		ug/Kg	☼	77	58 - 120	9	20
bis (2-chloroisopropyl) ether	ND		2870	1860		ug/Kg	☼	65	31 - 120	9	24
Bis(2-chloroethoxy)methane	ND		2870	2200		ug/Kg	☼	77	52 - 120	1	17
Bis(2-chloroethyl)ether	ND		2870	1930		ug/Kg	☼	67	45 - 120	5	21
Bis(2-ethylhexyl) phthalate	ND		2870	2480		ug/Kg	☼	86	61 - 133	7	15
Butyl benzyl phthalate	ND		2870	2460		ug/Kg	☼	86	61 - 120	6	16
Caprolactam	ND		2870	1490		ug/Kg	☼	52	37 - 133	5	20
Carbazole	ND		2870	2560		ug/Kg	☼	89	59 - 120	4	20
Chrysene	94	J	2870	2810		ug/Kg	☼	95	64 - 120	5	15
Dibenz(a,h)anthracene	ND		2870	2660		ug/Kg	☼	93	54 - 132	2	15
Dibenzofuran	ND		2870	2300		ug/Kg	☼	80	62 - 120	3	15
Diethyl phthalate	ND		2870	2220		ug/Kg	☼	77	66 - 120	4	15
Dimethyl phthalate	ND		2870	2160		ug/Kg	☼	75	65 - 124	10	15
Di-n-butyl phthalate	ND		2870	2370		ug/Kg	☼	83	58 - 130	4	15
Di-n-octyl phthalate	ND		2870	2570		ug/Kg	☼	89	57 - 133	5	16
Fluoranthene	140	J F2	2870	3250	F2	ug/Kg	☼	108	62 - 120	26	15
Fluorene	ND		2870	2340		ug/Kg	☼	81	63 - 120	0	15
Hexachlorobenzene	ND		2870	2340		ug/Kg	☼	81	60 - 120	8	15
Hexachlorobutadiene	ND		2870	2190		ug/Kg	☼	76	45 - 120	6	44
Hexachlorocyclopentadiene	ND		2870	2000		ug/Kg	☼	70	31 - 120	10	49
Hexachloroethane	ND		2870	2010		ug/Kg	☼	70	21 - 120	10	46

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-232238-5 MSD
Matrix: Solid
Analysis Batch: 755980

Client Sample ID: SB-04-CONF-D-1Ft
Prep Type: Total/NA
Prep Batch: 755889

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	50	J	2870	2630		ug/Kg	☼	90	56 - 134	5	15
Isophorone	ND		2870	2030		ug/Kg	☼	71	56 - 120	6	17
Naphthalene	ND		2870	2350		ug/Kg	☼	82	46 - 120	4	29
Nitrobenzene	ND		2870	2230		ug/Kg	☼	78	49 - 120	2	24
N-Nitrosodi-n-propylamine	ND		2870	2080		ug/Kg	☼	73	46 - 120	3	31
Pentachlorophenol	ND		5740	3950		ug/Kg	☼	69	10 - 136	5	35
Phenanthrene	ND	F2	2870	3330	F2	ug/Kg	☼	116	60 - 122	24	15
Phenol	ND		2870	1940		ug/Kg	☼	67	50 - 120	4	35
Pyrene	130	J	2870	3050		ug/Kg	☼	102	61 - 133	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*93*		*10 - 140*
2-Fluorobiphenyl	*86*		*29 - 120*
2-Fluorophenol	*73*		*18 - 120*
Nitrobenzene-d5	*76*		*22 - 120*
Phenol-d5	*75*		*23 - 120*
p-Terphenyl-d14	*89*		*28 - 124*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: C&S Engineers, Inc.
Project/Site: 412 E. Main Street Fredonia

Job ID: 480-232238-1

GC/MS Semi VOA

Prep Batch: 755889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232238-1	SB-04-CONF-N-1Ft	Total/NA	Solid	3546	
480-232238-2	SB-04-CONF-E-1Ft	Total/NA	Solid	3546	
480-232238-3	SB-04-CONF-S-1Ft	Total/NA	Solid	3546	
480-232238-4	SB-04-CONF-W-1Ft	Total/NA	Solid	3546	
480-232238-5	SB-04-CONF-D-1Ft	Total/NA	Solid	3546	
MB 480-755889/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-755889/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-232238-5 MS	SB-04-CONF-D-1Ft	Total/NA	Solid	3546	
480-232238-5 MSD	SB-04-CONF-D-1Ft	Total/NA	Solid	3546	

Analysis Batch: 755980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232238-1	SB-04-CONF-N-1Ft	Total/NA	Solid	8270D	755889
480-232238-2	SB-04-CONF-E-1Ft	Total/NA	Solid	8270D	755889
480-232238-3	SB-04-CONF-S-1Ft	Total/NA	Solid	8270D	755889
480-232238-4	SB-04-CONF-W-1Ft	Total/NA	Solid	8270D	755889
480-232238-5	SB-04-CONF-D-1Ft	Total/NA	Solid	8270D	755889
MB 480-755889/1-A	Method Blank	Total/NA	Solid	8270D	755889
LCS 480-755889/2-A	Lab Control Sample	Total/NA	Solid	8270D	755889
480-232238-5 MS	SB-04-CONF-D-1Ft	Total/NA	Solid	8270D	755889
480-232238-5 MSD	SB-04-CONF-D-1Ft	Total/NA	Solid	8270D	755889

General Chemistry

Analysis Batch: 755905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232238-1	SB-04-CONF-N-1Ft	Total/NA	Solid	Moisture	
480-232238-2	SB-04-CONF-E-1Ft	Total/NA	Solid	Moisture	
480-232238-3	SB-04-CONF-S-1Ft	Total/NA	Solid	Moisture	
480-232238-4	SB-04-CONF-W-1Ft	Total/NA	Solid	Moisture	
480-232238-5	SB-04-CONF-D-1Ft	Total/NA	Solid	Moisture	

Client Sample ID: SB-04-CONF-N-1Ft — Lab Sample ID: 480-232238-1

Date Collected: 09/02/25 08:05 — **Matrix: Solid**
Date Received: 09/02/25 12:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755905	MAN	EET BUF	09/03/25 14:08

Client Sample ID: SB-04-CONF-N-1Ft — Lab Sample ID: 480-232238-1

Date Collected: 09/02/25 08:05 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			755889	LSC	EET BUF	09/03/25 13:20
Total/NA	Analysis	8270D		5	755980	AF	EET BUF	09/04/25 14:04

Client Sample ID: SB-04-CONF-E-1Ft — Lab Sample ID: 480-232238-2

Date Collected: 09/02/25 08:06 — **Matrix: Solid**
Date Received: 09/02/25 12:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755905	MAN	EET BUF	09/03/25 14:08

Client Sample ID: SB-04-CONF-E-1Ft — Lab Sample ID: 480-232238-2

Date Collected: 09/02/25 08:06 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 94.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			755889	LSC	EET BUF	09/03/25 13:20
Total/NA	Analysis	8270D		1	755980	AF	EET BUF	09/04/25 14:29

Client Sample ID: SB-04-CONF-S-1Ft — Lab Sample ID: 480-232238-3

Date Collected: 09/02/25 08:07 — **Matrix: Solid**
Date Received: 09/02/25 12:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755905	MAN	EET BUF	09/03/25 14:08

Client Sample ID: SB-04-CONF-S-1Ft — Lab Sample ID: 480-232238-3

Date Collected: 09/02/25 08:07 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			755889	LSC	EET BUF	09/03/25 13:20
Total/NA	Analysis	8270D		5	755980	AF	EET BUF	09/04/25 14:54

Client Sample ID: SB-04-CONF-W-1Ft — Lab Sample ID: 480-232238-4

Date Collected: 09/02/25 08:08 — **Matrix: Solid**
Date Received: 09/02/25 12:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755905	MAN	EET BUF	09/03/25 14:08

Lab Chronicle

Client: C&S Engineers, Inc. Job ID: 480-232238-1
Project/Site: 412 E. Main Street Fredonia

Client Sample ID: SB-04-CONF-W-1Ft — Lab Sample ID: 480-232238-4

Date Collected: 09/02/25 08:08 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			755889	LSC	EET BUF	09/03/25 13:20
Total/NA	Analysis	8270D		1	755980	AF	EET BUF	09/04/25 15:19

Client Sample ID: SB-04-CONF-D-1Ft — Lab Sample ID: 480-232238-5

Date Collected: 09/02/25 08:09 — **Matrix: Solid**
Date Received: 09/02/25 12:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	755905	MAN	EET BUF	09/03/25 14:08

Client Sample ID: SB-04-CONF-D-1Ft — Lab Sample ID: 480-232238-5

Date Collected: 09/02/25 08:09 — **Matrix: Solid**
Date Received: 09/02/25 12:22 — **Percent Solids: 92.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			755889	LSC	EET BUF	09/03/25 13:20
Total/NA	Analysis	8270D		1	755980	AF	EET BUF	09/04/25 13:39

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: C&S Engineers, Inc. Job ID: 480-232238-1
Project/Site: 412 E. Main Street Fredonia

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 10026. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MB_DFTPP_WRK_00449							3 & 4 Methylphenol	
							3-Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							Chlorobenzotrifluoride N.O.S	
							Chlorotoluene N.O.S	
							EPH Adjustment 1	
							Tentatively Identified Compound	
							Total Cresols	
					MB_DFTPP_STK_00123	500 uL	4,4'-DDT	50 ug/mL
							Benzidine_T	50 ug/mL
							DFTPP	50 ug/mL
							Pentachlorophenol_T	50 ug/mL
.MB_DFTPP_STK_00123	02/18/26		Restek, Lot A0209584		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
MB_DFTPP_WRK_00451							3 & 4 Methylphenol	
							3-Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							Chlorobenzotrifluoride N.O.S	
							Chlorotoluene N.O.S	
							EPH Adjustment 1	
							Tentatively Identified Compound	
							Total Cresols	
					MB_DFTPP_STK_00124	500 uL	4,4'-DDT	50 ug/mL
							Benzidine_T	50 ug/mL
							DFTPP	50 ug/mL
							Pentachlorophenol_T	50 ug/mL
.MB_DFTPP_STK_00124	07/30/26		Restek, Lot A0209584		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MB_L1SS_WRK_00064	10/10/25	07/29/25	Methylene Chloride, Lot 65059	1 mL	MB_INTSTD_STK_00111	20 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MB_L1SS_WRK_00064	10/10/25	07/29/25	Methylene Chloride, Lot 65059	1 mL	MB_L1S1_SS_00047	40 uL	2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Methylphenol	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Anthracene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Biphenyl	40 ug/mL
							bis (2-chloroisopropyl) ether	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
					MB_L1S11_SS_00039	20 uL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					MB_L1S9_SS_00039	40 uL	3,3'-Dichlorobenzidine	80 ug/mL
.MB_L1S1_SS_00047	10/31/25		Restek, Lot A0219885		(Purchased Reagent)		2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
.MB_L1S11_SS_00039	10/10/25		Restek, Lot A0216037		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MB_L1S9_SS_00039	04/29/26		Restek, Lot A0224696		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
MB_LIST1_WRK_01073	09/30/25	07/29/25	Methylene Chloride, Lot 65059	5 mL	MB_14Diox_STK_00034	2.5 uL	1,4-Dioxane	1.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MB_INTSTD_STK_00111	100 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	25 uL	1,4-Dioxane	1.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Phenanthrene	0.5 ug/mL
							Pyrene	0.5 ug/mL
.MB_14Diox_STK_00034	01/27/26		Restek, Lot A0176523		(Purchased Reagent)		1,4-Dioxane	2000 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
MB_LIST1_WRK_01074	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_INTSTD_STK_00111	200 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	250 uL	1,2,4,5-Tetrachlorobenzene	2.5 ug/mL
							1,2,4-Trichlorobenzene	2.5 ug/mL
							1,2-Dichlorobenzene	2.5 ug/mL
							1,2-Diphenylhydrazine	2.5 ug/mL
							1,3-Dichlorobenzene	2.5 ug/mL
							1,3-Dinitrobenzene	2.5 ug/mL
							1,4-Dichlorobenzene	2.5 ug/mL
							1,4-Dioxane	2.5 ug/mL
							1-Methylnaphthalene	2.5 ug/mL
							2,3,4,6-Tetrachlorophenol	2.5 ug/mL
							2,4,5-Trichlorophenol	2.5 ug/mL
							2,4,6-Trichlorophenol	2.5 ug/mL
							2,4-Dichlorophenol	2.5 ug/mL
							2,4-Dimethylphenol	2.5 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	5 ug/mL
							2,4-Dinitrotoluene	2.5 ug/mL
							2,6-Dichlorophenol	2.5 ug/mL
							2,6-Dinitrotoluene	2.5 ug/mL
							2-Chloronaphthalene	2.5 ug/mL
							2-Chlorophenol	2.5 ug/mL
							2-Methylnaphthalene	2.5 ug/mL
							2-Methylphenol	2.5 ug/mL
							2-Nitroaniline	2.5 ug/mL
							2-Nitrophenol	2.5 ug/mL
							3-Nitroaniline	2.5 ug/mL
							4,6-Dinitro-2-methylphenol	5 ug/mL
							4-Bromophenyl phenyl ether	2.5 ug/mL
							4-Chloro-3-methylphenol	2.5 ug/mL
							4-Chloroaniline	2.5 ug/mL
							4-Chlorophenyl phenyl ether	2.5 ug/mL
							4-Methylphenol	2.5 ug/mL
							4-Nitroaniline	2.5 ug/mL
							4-Nitrophenol	5 ug/mL
							Acenaphthene	2.5 ug/mL
							Acenaphthylene	2.5 ug/mL
							Acetophenone	2.5 ug/mL
							Aniline	2.5 ug/mL
							Anthracene	2.5 ug/mL
							Azobenzene	2.5 ug/mL
							Benzo[a]anthracene	2.5 ug/mL
							Benzo[a]pyrene	2.5 ug/mL
							Benzo[b]fluoranthene	2.5 ug/mL
							Benzo[g,h,i]perylene	2.5 ug/mL
							Benzo[k]fluoranthene	2.5 ug/mL
							Benzyl alcohol	2.5 ug/mL
							Biphenyl	2.5 ug/mL
							bis (2-chloroisopropyl) ether	2.5 ug/mL
							Bis(2-chloroethoxy)methane	2.5 ug/mL
							Bis(2-chloroethyl)ether	2.5 ug/mL
							Bis(2-ethylhexyl) phthalate	2.5 ug/mL
							Butyl benzyl phthalate	2.5 ug/mL
							Carbazole	2.5 ug/mL
							Chrysene	2.5 ug/mL
							Di-n-butyl phthalate	2.5 ug/mL
							Di-n-octyl phthalate	2.5 ug/mL
							Dibenz(a,h)anthracene	2.5 ug/mL
							Dibenzofuran	2.5 ug/mL
							Diethyl phthalate	2.5 ug/mL
							Dimethyl phthalate	2.5 ug/mL
							Diphenylamine	2.1375 ug/mL
							Fluoranthene	2.5 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	2.5 ug/mL
							Hexachlorobenzene	2.5 ug/mL
							Hexachlorobutadiene	2.5 ug/mL
							Hexachlorocyclopentadiene	2.5 ug/mL
							Hexachloroethane	2.5 ug/mL
							Hexadecane	2.5 ug/mL
							Indeno[1,2,3-cd]pyrene	2.5 ug/mL
							Isophorone	2.5 ug/mL
							n-Decane	2.5 ug/mL
							N-Nitrosodi-n-propylamine	2.5 ug/mL
							N-Nitrosodimethylamine	2.5 ug/mL
							N-Nitrosodiphenylamine	2.5 ug/mL
							n-Octadecane	2.5 ug/mL
							Naphthalene	2.5 ug/mL
							Nitrobenzene	2.5 ug/mL
							Pentachlorophenol	5 ug/mL
							Phenanthrene	2.5 ug/mL
							Phenol	2.5 ug/mL
							Pyrene	2.5 ug/mL
							Pyridine	5 ug/mL
							Benzoic acid	15 ug/mL
							Indene	15 ug/mL
							Atrazine	2.5 ug/mL
							Benzaldehyde	2.5 ug/mL
							Caprolactam	2.5 ug/mL
							3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
							2,4,6-Tribromophenol	2.5 ug/mL
							2-Fluorobiphenyl	2.5 ug/mL
							2-Fluorophenol	2.5 ug/mL
							Nitrobenzene-d5	2.5 ug/mL
							p-Terphenyl-d14	2.5 ug/mL
							Phenol-d5	2.5 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
MB_LIST1_WRK_01075	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_INTSTD_STK_00111	200 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	500 uL	1,2,4,5-Tetrachlorobenzene	5 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Methylphenol	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Biphenyl	5 ug/mL
							bis (2-chloroisopropyl) ether	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Diphenylamine	4.275 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Hexadecane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	10 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol	5 ug/mL
							Nitrobenzene-d5	5 ug/mL
							p-Terphenyl-d14	5 ug/mL
							Phenol-d5	5 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
MB_LIST1_WRK_01076	09/30/25	07/29/25	Methylene Chloride, Lot 65059	1 mL	MB_INTSTD_STK_00111	20 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	100 uL	1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Biphenyl	10 ug/mL
							bis (2-chloroisopropyl) ether	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Diphenylamine	8.55 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
							Benzoic acid	60 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indene	60 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							p-Terphenyl-d14	10 ug/mL
							Phenol-d5	10 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
MB_LIST1_WRK_01077	09/30/25	07/29/25	Methylene Chloride, Lot 65059	1 mL	MB_INTSTD_STK_00111	20 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	200 uL	1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Biphenyl	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Diphenylamine	17.1 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
							Benzoic acid	120 ug/mL
							Indene	120 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							p-Terphenyl-d14	20 ug/mL
							Phenol-d5	20 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
MB_LIST1_WRK_01078	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_INTSTD_STK_00111	200 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	4000 uL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Methylphenol	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Biphenyl	40 ug/mL
							bis (2-chloroisopropyl) ether	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL
							Diphenylamine	34.2 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
							Benzoic acid	240 ug/mL
							Indene	240 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
							2,4,6-Tribromophenol	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							p-Terphenyl-d14	40 ug/mL
							Phenol-d5	40 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
MB_LIST1_WRK_01079	09/30/25	07/29/25	Methylene Chloride, Lot 65059	1 mL	MB_INTSTD_STK_00111	20 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	600 uL	1,2,4,5-Tetrachlorobenzene	60 ug/mL
							1,2,4-Trichlorobenzene	60 ug/mL
							1,2-Dichlorobenzene	60 ug/mL
							1,2-Diphenylhydrazine	60 ug/mL
							1,3-Dichlorobenzene	60 ug/mL
							1,3-Dinitrobenzene	60 ug/mL
							1,4-Dichlorobenzene	60 ug/mL
							1,4-Dioxane	60 ug/mL
							1-Methylnaphthalene	60 ug/mL
							2,3,4,6-Tetrachlorophenol	60 ug/mL
							2,4,5-Trichlorophenol	60 ug/mL
							2,4,6-Trichlorophenol	60 ug/mL
							2,4-Dichlorophenol	60 ug/mL
							2,4-Dimethylphenol	60 ug/mL
							2,4-Dinitrophenol	120 ug/mL
							2,4-Dinitrotoluene	60 ug/mL
							2,6-Dichlorophenol	60 ug/mL
							2,6-Dinitrotoluene	60 ug/mL
							2-Chloronaphthalene	60 ug/mL
							2-Chlorophenol	60 ug/mL
							2-Methylnaphthalene	60 ug/mL
							2-Methylphenol	60 ug/mL
							2-Nitroaniline	60 ug/mL
							2-Nitrophenol	60 ug/mL
							3-Nitroaniline	60 ug/mL
							4,6-Dinitro-2-methylphenol	120 ug/mL
							4-Bromophenyl phenyl ether	60 ug/mL
							4-Chloro-3-methylphenol	60 ug/mL
							4-Chloroaniline	60 ug/mL
							4-Chlorophenyl phenyl ether	60 ug/mL
							4-Methylphenol	60 ug/mL
							4-Nitroaniline	60 ug/mL
							4-Nitrophenol	120 ug/mL
							Acenaphthene	60 ug/mL
							Acenaphthylene	60 ug/mL
							Acetophenone	60 ug/mL
							Aniline	60 ug/mL
							Anthracene	60 ug/mL
							Azobenzene	60 ug/mL
							Benzo[a]anthracene	60 ug/mL
							Benzo[a]pyrene	60 ug/mL
							Benzo[b]fluoranthene	60 ug/mL
							Benzo[g,h,i]perylene	60 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	60 ug/mL
							Benzyl alcohol	60 ug/mL
							Biphenyl	60 ug/mL
							bis (2-chloroisopropyl) ether	60 ug/mL
							Bis(2-chloroethoxy)methane	60 ug/mL
							Bis(2-chloroethyl)ether	60 ug/mL
							Bis(2-ethylhexyl) phthalate	60 ug/mL
							Butyl benzyl phthalate	60 ug/mL
							Carbazole	60 ug/mL
							Chrysene	60 ug/mL
							Di-n-butyl phthalate	60 ug/mL
							Di-n-octyl phthalate	60 ug/mL
							Dibenz(a,h)anthracene	60 ug/mL
							Dibenzofuran	60 ug/mL
							Diethyl phthalate	60 ug/mL
							Dimethyl phthalate	60 ug/mL
							Diphenylamine	51.3 ug/mL
							Fluoranthene	60 ug/mL
							Fluorene	60 ug/mL
							Hexachlorobenzene	60 ug/mL
							Hexachlorobutadiene	60 ug/mL
							Hexachlorocyclopentadiene	60 ug/mL
							Hexachloroethane	60 ug/mL
							Hexadecane	60 ug/mL
							Indeno[1,2,3-cd]pyrene	60 ug/mL
							Isophorone	60 ug/mL
							n-Decane	60 ug/mL
							N-Nitrosodi-n-propylamine	60 ug/mL
							N-Nitrosodimethylamine	60 ug/mL
							N-Nitrosodiphenylamine	60 ug/mL
							n-Octadecane	60 ug/mL
							Naphthalene	60 ug/mL
							Nitrobenzene	60 ug/mL
							Pentachlorophenol	120 ug/mL
							Phenanthrene	60 ug/mL
							Phenol	60 ug/mL
							Pyrene	60 ug/mL
							Pyridine	120 ug/mL
							Benzoic acid	360 ug/mL
							Indene	360 ug/mL
							Atrazine	60 ug/mL
							Benzaldehyde	60 ug/mL
							Caprolactam	60 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL
							2,4,6-Tribromophenol	60 ug/mL
							2-Fluorobiphenyl	60 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol	60 ug/mL
							Nitrobenzene-d5	60 ug/mL
							p-Terphenyl-d14	60 ug/mL
							Phenol-d5	60 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
MB_LIST1_WRK_01080	09/30/25	07/29/25	Methylene Chloride, Lot 65059	1 mL	MB_INTSTD_STK_00111	20 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					MB_List1_INT_00113	800 uL	1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Biphenyl	80 ug/mL
							bis (2-chloroisopropyl) ether	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Diphenylamine	68.4 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	160 ug/mL
							Benzoic acid	480 ug/mL
							Indene	480 ug/mL
							Atrazine	80 ug/mL
							Benzaldehyde	80 ug/mL
							Caprolactam	80 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Benzidine	160 ug/mL
							2,4,6-Tribromophenol	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							p-Terphenyl-d14	80 ug/mL
							Phenol-d5	80 ug/mL
.MB_INTSTD_STK_00111	07/22/26		Restek, Lot A0221504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.MB_List1_INT_00113	09/30/25	07/29/25	Methylene Chloride, Lot 65059	10 mL	MB_L1S1_STK_00090	1000 uL	1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Biphenyl	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85.5 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					MB_L1S10_STK_00110	3000 uL	Benzoic acid	600 ug/mL
							Indene	600 ug/mL
					MB_L1S11_STK_00067	500 uL	Atrazine	100 ug/mL
							Benzaldehyde	100 ug/mL
							Caprolactam	100 ug/mL
					MB_L1S9_STK_00053	1000 uL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					MB_SURR_STK_00073	200 uL	2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							p-Terphenyl-d14	100 ug/mL
							Phenol-d5	100 ug/mL
..MB_L1S1_STK_00090	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..MB_L1S10_STK_00110	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..MB_L1S11_STK_00067	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MB_L1S9_STK_00053	10/31/25		Restek, Lot A0210722		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MB_SURR_STK_00073	04/29/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
O_8270/625LCS_00261	02/13/26	08/13/25	ACETONE, Lot 8386871	100 mL	8270 List 1/S_00171	2 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
					8270 List1/10_00600	6 mL	Benzoic acid	320 ug/mL
							Indene	320 ug/mL
					8270 List1/10_00601	5 mL	Benzoic acid	320 ug/mL
							Indene	320 ug/mL
					8270 List1/10_00602	5 mL	Benzoic acid	320 ug/mL
							Indene	320 ug/mL
					8270 list1/11_00168	2 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					O_8270MegaMix_00206	4 mL	1,2,4,5-Tetrachlorobenzene	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Diphenylhydrazine	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dinitrobenzene	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	40 ug/mL
							1-Methylnaphthalene	40 ug/mL
							2,3,4,6-Tetrachlorophenol	40 ug/mL
							2,4,5-Trichlorophenol	40 ug/mL
							2,4,6-Trichlorophenol	40 ug/mL
							2,4-Dichlorophenol	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	40 ug/mL
							2,4-Dinitrophenol	80 ug/mL
							2,4-Dinitrotoluene	40 ug/mL
							2,6-Dichlorophenol	40 ug/mL
							2,6-Dinitrotoluene	40 ug/mL
							2-Chloronaphthalene	40 ug/mL
							2-Chlorophenol	40 ug/mL
							2-Methylnaphthalene	40 ug/mL
							2-Methylphenol	40 ug/mL
							2-Nitroaniline	40 ug/mL
							2-Nitrophenol	40 ug/mL
							3-Methylphenol	40 ug/mL
							3-Nitroaniline	40 ug/mL
							4,6-Dinitro-2-methylphenol	80 ug/mL
							4-Bromophenyl phenyl ether	40 ug/mL
							4-Chloro-3-methylphenol	40 ug/mL
							4-Chloroaniline	40 ug/mL
							4-Chlorophenyl phenyl ether	40 ug/mL
							4-Methylphenol	40 ug/mL
							4-Nitroaniline	40 ug/mL
							4-Nitrophenol	80 ug/mL
							Acenaphthene	40 ug/mL
							Acenaphthylene	40 ug/mL
							Acetophenone	40 ug/mL
							Aniline	40 ug/mL
							Anthracene	40 ug/mL
							Azobenzene	40 ug/mL
							Benzo[a]anthracene	40 ug/mL
							Benzo[a]pyrene	40 ug/mL
							Benzo[b]fluoranthene	40 ug/mL
							Benzo[g,h,i]perylene	40 ug/mL
							Benzo[k]fluoranthene	40 ug/mL
							Benzyl alcohol	40 ug/mL
							Biphenyl	40 ug/mL
							bis (2-chloroisopropyl) ether	40 ug/mL
							Bis(2-chloroethoxy)methane	40 ug/mL
							Bis(2-chloroethyl)ether	40 ug/mL
							Bis(2-ethylhexyl) phthalate	40 ug/mL
							Butyl benzyl phthalate	40 ug/mL
							Carbazole	40 ug/mL
							Chrysene	40 ug/mL
							Di-n-butyl phthalate	40 ug/mL
							Di-n-octyl phthalate	40 ug/mL
							Dibenz(a,h)anthracene	40 ug/mL
							Dibenzofuran	40 ug/mL
							Diethyl phthalate	40 ug/mL
							Dimethyl phthalate	40 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diphenylamine	34.2 ug/mL
							Fluoranthene	40 ug/mL
							Fluorene	40 ug/mL
							Hexachlorobenzene	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexachlorocyclopentadiene	40 ug/mL
							Hexachloroethane	40 ug/mL
							Hexadecane	40 ug/mL
							Indeno[1,2,3-cd]pyrene	40 ug/mL
							Isophorone	40 ug/mL
							n-Decane	40 ug/mL
							N-Nitrosodi-n-propylamine	40 ug/mL
							N-Nitrosodimethylamine	40 ug/mL
							N-Nitrosodiphenylamine	40 ug/mL
							n-Octadecane	40 ug/mL
							Naphthalene	40 ug/mL
							Nitrobenzene	40 ug/mL
							Pentachlorophenol	80 ug/mL
							Phenanthrene	40 ug/mL
							Phenol	40 ug/mL
							Pyrene	40 ug/mL
							Pyridine	80 ug/mL
.8270 List 1/S_00171	10/31/26		Restek, Lot A0224695		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.8270 List1/10_00600	11/30/26		Restek, Lot A0225393		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.8270 List1/10_00601	11/30/26		Restek, Lot A0225393		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.8270 List1/10_00602	11/30/26		Restek, Lot A0225393		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.8270 list1/11_00168	08/31/26		Restek, Lot A0222846		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.O_8270MegaMix_00206	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Biphenyl	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
O_8270surr_00135	02/08/26	08/08/25	ACETONE, Lot 8386871	500 mL	O_8270surr_st_00146	4 mL	2,4,6 - Tribromophenol	40 ug/mL
							2,4,6-Tribromophenol	40 ug/mL
							2-Fluorobiphenyl	40 ug/mL
							2-Fluorophenol	40 ug/mL
							Nitrobenzene-d5	40 ug/mL
							p-Terphenyl-d14	40 ug/mL
							Phenol-d5	40 ug/mL
							Terphenyl-d14	40 ug/mL
.O_8270surr_st_00146	08/31/29	Restek, Lot A0215854			(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							p-Terphenyl-d14	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL

Reagent

8270 List 1/S_00171

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0224695

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	2,009.0 µg/mL	+/- 37.1177
2	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	2,002.4 µg/mL	+/- 36.9961

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8282387
ID: 8270 List 1/S_00167
Exp: 10/31/26 Prpd: SMP
8270 List 1/Std #9

8282388
ID: 8270 List 1/S_00168
Exp: 10/31/26 Prpd: SMP
8270 List 1/Std #9

8282389
ID: 8270 List 1/S_00169
Exp: 10/31/26 Prpd: SMP
8270 List 1/Std #9

8282390
ID: 8270 List 1/S_00170
Exp: 10/31/26 Prpd: SMP
8270 List 1/Std #9

8282391
ID: 8270 List 1/S_00171
Exp: 10/31/26 Prpd: SMP
8270 List 1/Std #9

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

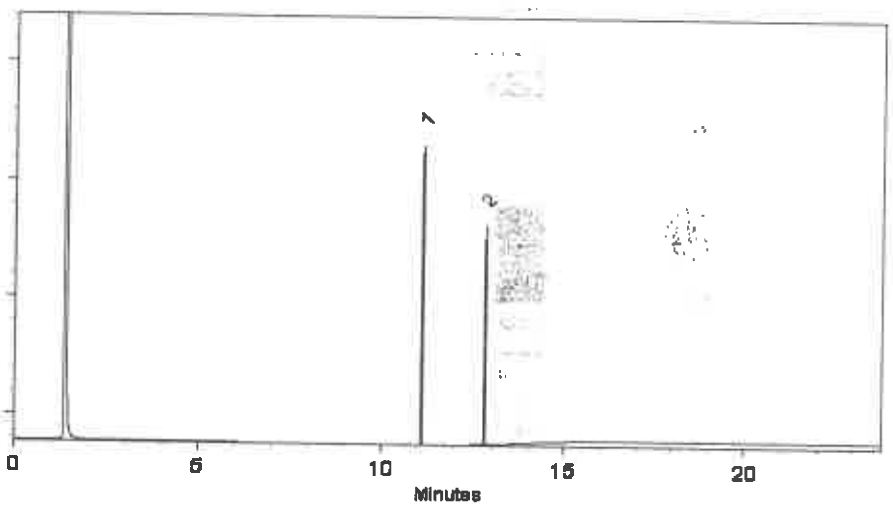
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Creighead - Mix Technician

Date Mixed: 16-Apr-2025 **Balance Serial #** C322230531

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 18-Apr-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

8270 List1/10_00600

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0225393

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD250225RSR	99%	2,000.9 µg/mL	+/- 112.4019
2	Benzoic acid	65-85-0	MKCR2694	99%	2,000.2 µg/mL	+/- 112.3626

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8364824
ID: 8270 List1/10_00597
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364846
ID: 8270 List1/10_00598
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364847
ID: 8270 List1/10_00599
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364848
ID: 8270 List1/10_00600
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364849
ID: 8270 List1/10_00601
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364850
ID: 8270 List1/10_00602
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364851
ID: 8270 List1/10_00603
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

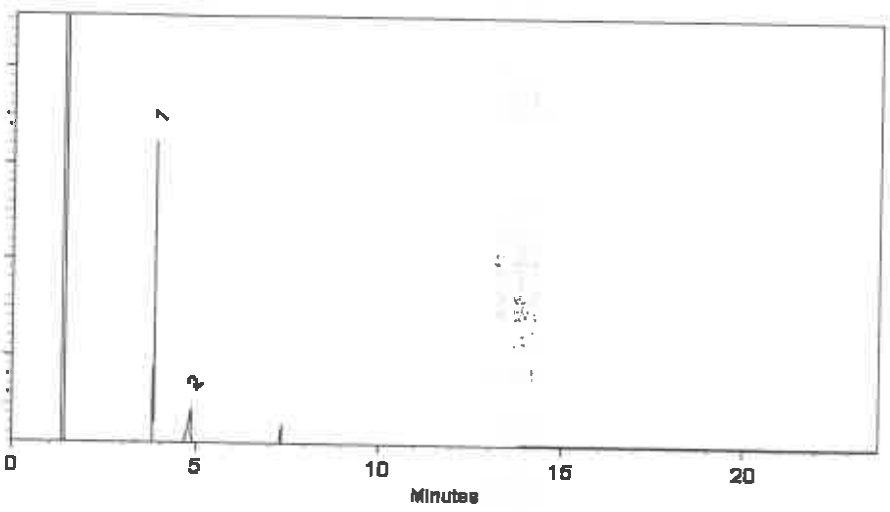
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I Date Mixed: 06-May-2025 Balance Serial # 1128360905

Amanda Miller - Operations Tech III - ARM QC Date Passed: 07-May-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

8270 List1/10_00601

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0225393

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD250225RSR	99%	2,000.9 µg/mL	+/- 112.4019
2	Benzoic acid	65-85-0	MKCR2694	99%	2,000.2 µg/mL	+/- 112.3626

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8364824
ID: 8270 List1/10_00597
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364846
ID: 8270 List1/10_00598
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364847
ID: 8270 List1/10_00599
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364848
ID: 8270 List1/10_00600
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364849
ID: 8270 List1/10_00601
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364850
ID: 8270 List1/10_00602
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364851
ID: 8270 List1/10_00603
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

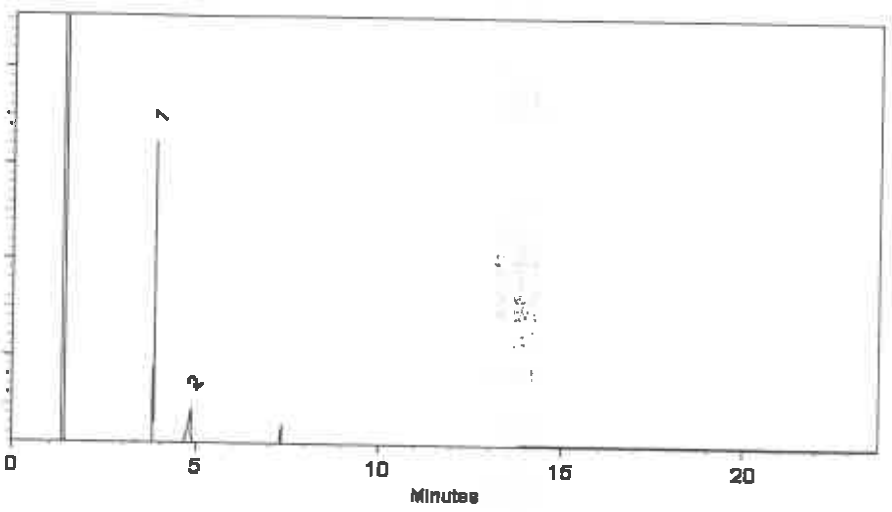
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I Date Mixed: 06-May-2025 Balance Serial # 1128360905

Amanda Miller - Operations Tech III - ARM QC Date Passed: 07-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

8270 List1/10_00602

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chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0225393

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD250225RSR	99%	2,000.9 µg/mL	+/- 112.4019
2	Benzoic acid	65-85-0	MKCR2694	99%	2,000.2 µg/mL	+/- 112.3626

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8364824
ID: 8270 List1/10_00597
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364846
ID: 8270 List1/10_00598
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364847
ID: 8270 List1/10_00599
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364848
ID: 8270 List1/10_00600
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364849
ID: 8270 List1/10_00601
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364850
ID: 8270 List1/10_00602
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

8364851
ID: 8270 List1/10_00603
Exp: 11/30/26 Prpd: SMP
OP_8270 List 1/Std10

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

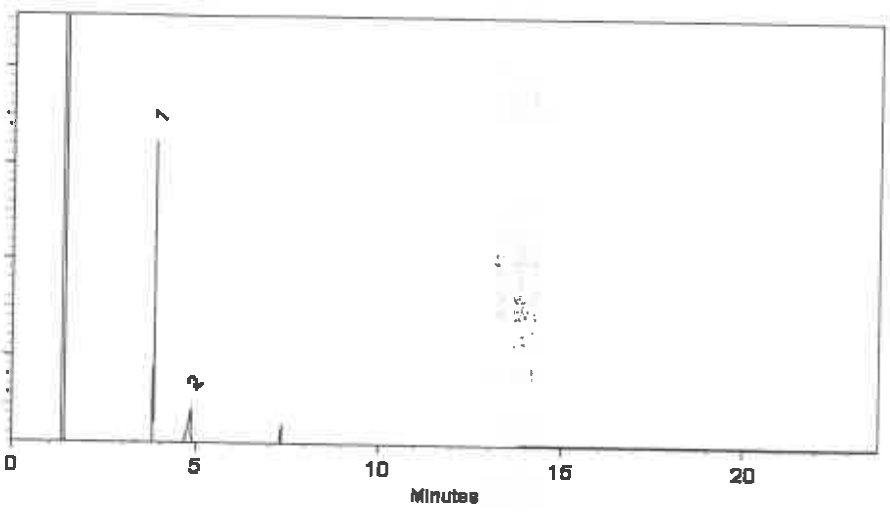
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I Date Mixed: 06-May-2025 Balance Serial # 1128360905

Amanda Miller - Operations Tech III - ARM QC Date Passed: 07-May-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

8270 list1/11_00168

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0222846

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,000.5 µg/mL	+/- 58.7543
2	epsilon-Caprolactam	105-60-2	Y16H012	99%	2,000.5 µg/mL	+/- 58.7543
3	Atrazine	1912-24-9	5FYWL	99%	2,000.9 µg/mL	+/- 58.7665

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8363172
ID: 8270 list1/11_00167
Exp: 08/31/26 Prpd: SMP
8270 list 1/ std11

8363173
ID: 8270 list1/11_00168
Exp: 08/31/26 Prpd: SMP
8270 list 1/ std11

8363174
ID: 8270 list1/11_00169
Exp: 08/31/26 Prpd: SMP
8270 list 1/ std11

8363175
ID: 8270 list1/11_00170
Exp: 08/31/26 Prpd: SMP
8270 list 1/ std11

8363176
ID: 8270 list1/11_00171
Exp: 08/31/26 Prpd: SMP
8270 list 1/ std11

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

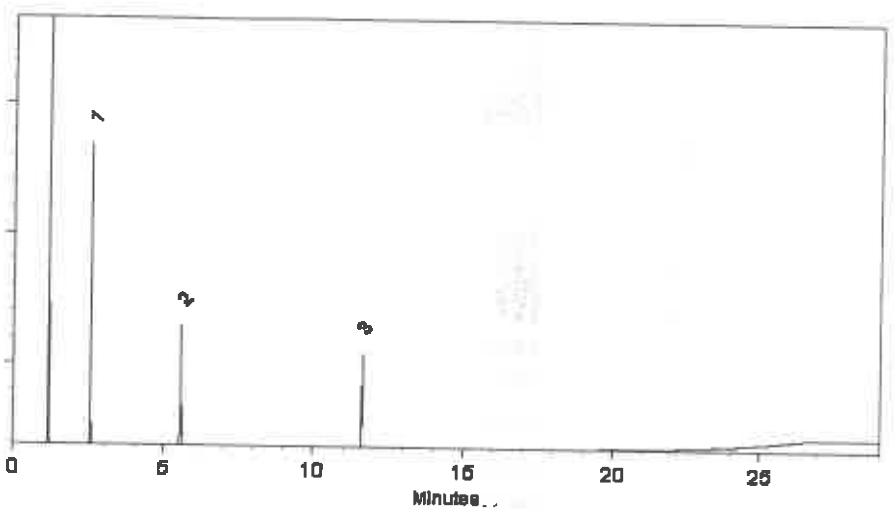
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I — Date Mixed: 28-Feb-2025 — Balance Serial # 1128360905

Jennifer Polino - Operations Tech II - ARM QC — Date Passed: 05-Mar-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MB_14Diox_STK_00034

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Received 6-3-22 JM

MB 14Diox STK-00034-38

Catalog No. : 31853 **Lot No.:** A0176523

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,006.0 µg/mL	+/- 11.7723	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBM5092)		+/- 42.9785	µg/mL	Unstressed
	Purity 99%		+/- 44.2263	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_DFTPP_STK_00123

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0209584

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240304ECS	99%	1,008.0 µg/mL	+/- 45.0466
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,001.0 µg/mL	+/- 44.7338
3	Benzidine	92-87-5	S240206RSR	99%	1,007.0 µg/mL	+/- 45.0019
4	4,4'-DDT	50-29-3	231103JLM	97%	1,001.0 µg/mL	+/- 44.7355

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_DFTPP_STK_00124

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Catalog No. : 31615 **Lot No.:** A0209584

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240304ECS	99%	1,008.0 µg/mL	+/- 45.0466
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,001.0 µg/mL	+/- 44.7338
3	Benzidine	92-87-5	S240206RSR	99%	1,007.0 µg/mL	+/- 45.0019
4	4,4'-DDT	50-29-3	231103JLM	97%	1,001.0 µg/mL	+/- 44.7355

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_INTSTD_STK_00111

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Catalog No. : 567684 **Lot No.:** A0221504

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.: K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,002.4 µg/mL	+/- 90.1913
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,003.1 µg/mL	+/- 90.2188
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,004.8 µg/mL	+/- 90.2964
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,001.4 µg/mL	+/- 90.1438
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,003.5 µg/mL	+/- 90.2368
6	Perylene-d12	1520-96-3	PR-33205	99%	2,001.8 µg/mL	+/- 90.1613

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_L1S1_SS_00047

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995.SEC **Lot No.:** A0219885

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1.SEC	4ZVCG	99%	1,005.0 µg/mL	+/- 18.5724
2	N-Nitrosodimethylamine	62-75-9.SEC	61H72	99%	1,005.8 µg/mL	+/- 18.5862
3	Pyridine	110-86-1.SEC	QN8DK	99%	2,010.0 µg/mL	+/- 37.1447
4	Phenol	108-95-2.SEC	EDPYN	99%	1,007.0 µg/mL	+/- 18.6093
5	Aniline	62-53-3.SEC	ZCD3N	99%	1,005.0 µg/mL	+/- 18.5724
6	Bis(2-chloroethyl)ether	111-44-4.SEC	FA010143	99%	1,005.3 µg/mL	+/- 18.5770
7	n-Decane (C10)	124-18-5.SEC	UCVNN	99%	1,007.5 µg/mL	+/- 18.6186
8	2-Chlorophenol	95-57-8.SEC	GJ01	99%	1,007.3 µg/mL	+/- 18.6139
9	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,006.0 µg/mL	+/- 18.5908
10	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.8 µg/mL	+/- 18.5862
11	Benzyl alcohol	100-51-6.SEC	QZBUO	99%	1,007.5 µg/mL	+/- 18.6186
12	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,005.5 µg/mL	+/- 18.5816
13	2-Methylphenol (o-cresol)	95-48-7.SEC	NC7HL	99%	1,007.3 µg/mL	+/- 18.6139
14	2,2'-oxybis(1-chloropropane)	108-60-1 *	29-MAR-45-5	99%	1,005.5 µg/mL	+/- 18.5816
15	Acetophenone	98-86-2.SEC	NSGTI	99%	1,005.3 µg/mL	+/- 18.5770
16	3-Methylphenol (m-cresol)	108-39-4.SEC	6LHTM	99%	503.0 µg/mL	+/- 9.2954

17	4-Methylphenol (p-cresol)	106-44-5.SEC 65S2E	99%	502.3	µg/mL	+/- 9.2816
18	N-Nitroso-di-n-propylamine	621-64-7.SEC 9566100	99%	1,006.0	µg/mL	+/- 18.5908
19	Hexachloroethane	67-72-1.SEC 10173016	99%	1,005.8	µg/mL	+/- 18.5862
20	Nitrobenzene	98-95-3.SEC FLYIG	99%	1,006.8	µg/mL	+/- 18.6047
21	Isophorone	78-59-1.SEC XHGJI	98%	1,002.1	µg/mL	+/- 18.5178
22	2-Nitrophenol	88-75-5.SEC RP231023CTH	99%	1,006.8	µg/mL	+/- 18.6047
23	2,4-Dimethylphenol	105-67-9.SEC MKBL3650V	99%	1,007.8	µg/mL	+/- 18.6232
24	Bis(2-chloroethoxy)methane	111-91-1 * 15174900	99%	1,007.0	µg/mL	+/- 18.6093
25	2,4-Dichlorophenol	120-83-2.SEC FHM01	99%	1,005.5	µg/mL	+/- 18.5816
26	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	1,006.3	µg/mL	+/- 18.5955
27	Naphthalene	91-20-3.SEC AM5NG	99%	1,005.5	µg/mL	+/- 18.5816
28	2,6-Dichlorophenol	87-65-0.SEC SIDBB	99%	1,006.8	µg/mL	+/- 18.6047
29	4-Chloroaniline	106-47-8.SEC 10171860	99%	1,006.8	µg/mL	+/- 18.6047
30	Hexachlorobutadiene	87-68-3.SEC 13471600	97%	1,003.5	µg/mL	+/- 18.5440
31	4-Chloro-3-methylphenol	59-50-7.SEC FDO02	99%	1,006.5	µg/mL	+/- 18.6001
32	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,007.3	µg/mL	+/- 18.6139
33	1-Methylnaphthalene	90-12-0.SEC OEE3F	99%	1,007.0	µg/mL	+/- 18.6093
34	1,2,4,5-Tetrachlorobenzene	95-94-3.SEC AF02	99%	1,004.0	µg/mL	+/- 18.5539
35	Hexachlorocyclopentadiene	77-47-4.SEC 15819900	99%	1,007.0	µg/mL	+/- 18.6093
36	2,4,6-Trichlorophenol	88-06-2.SEC UUMYM	98%	1,006.7	µg/mL	+/- 18.6039
37	2,4,5-Trichlorophenol	95-95-4.SEC MKBQ9937V	97%	1,006.4	µg/mL	+/- 18.5978
38	2-Chloronaphthalene	91-58-7.SEC 15549900	99%	1,006.3	µg/mL	+/- 18.5955
39	Biphenyl	92-52-4.SEC 33OQE	99%	1,007.5	µg/mL	+/- 18.6186
40	2-Nitroaniline	88-74-4.SEC RP231006S	99%	1,005.3	µg/mL	+/- 18.5770
41	Acenaphthylene	208-96-8.SEC 0012013AN	97%	1,003.7	µg/mL	+/- 18.5485
42	1,3-Dinitrobenzene	99-65-0.SEC 3XXLB	99%	1,005.5	µg/mL	+/- 18.5816
43	Dimethylphthalate	131-11-3.SEC 483WC	99%	1,005.8	µg/mL	+/- 18.5862
44	2,6-Dinitrotoluene	606-20-2.SEC GE01	99%	1,004.5	µg/mL	+/- 18.5631
45	3-Nitroaniline	99-09-2.SEC RP230509B	99%	1,005.8	µg/mL	+/- 18.5862
46	Acenaphthene	83-32-9.SEC BWZJE	99%	1,005.0	µg/mL	+/- 18.5724
47	2,4-Dinitrophenol	51-28-5.SEC YTR6B	99%	2,008.5	µg/mL	+/- 37.1170
48	Dibenzofuran	132-64-9.SEC 27ZGC	99%	1,006.5	µg/mL	+/- 18.6001
49	4-Nitrophenol	100-02-7.SEC RP241121S	99%	2,011.8	µg/mL	+/- 37.1771
50	2,4-Dinitrotoluene	121-14-2.SEC SHRSA	99%	1,005.8	µg/mL	+/- 18.5862
51	2,3,4,6-Tetrachlorophenol	58-90-2.SEC B18W03261	99%	1,007.5	µg/mL	+/- 18.6186
52	Fluorene	86-73-7.SEC 14757200	98%	1,004.5	µg/mL	+/- 18.5631

53	n-Hexadecane (C16)	544-76-3.SEC	A0328141	99%	1,008.0	µg/mL	+/- <0.0001
54	Diethylphthalate	84-66-2.SEC	UMBJC	99%	1,007.0	µg/mL	+/- 18.6093
55	4-Chlorophenyl phenyl ether	7005-72-3.SEC	P31G	98%	1,005.5	µg/mL	+/- 18.5812
56	4-Nitroaniline	100-01-6.SEC	5ITRC	99%	1,005.8	µg/mL	+/- 18.5862
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1.SEC	DR13924100	99%	2,010.0	µg/mL	+/- 37.1447
58	Diphenylamine	122-39-4.SEC	10164691	99%	855.0	µg/mL	+/- 15.8004
59	Azobenzene	103-33-3.SEC	MHV2A	98%	1,005.0	µg/mL	+/- 18.5722
60	4-Bromophenyl phenyl ether	101-55-3.SEC	84C6D	99%	1,005.0	µg/mL	+/- 18.5724
61	Hexachlorobenzene	118-74-1.SEC	G1456068	99%	1,008.5	µg/mL	+/- 18.6370
62	Pentachlorophenol	87-86-5.SEC	15277300	99%	2,010.5	µg/mL	+/- 37.1540
63	n-Octadecane (C18)	593-45-3.SEC	A0406344	99%	1,007.0	µg/mL	+/- <0.0001
64	Phenanthrene	85-01-8.SEC	8637000	98%	1,002.1	µg/mL	+/- 18.5178
65	Anthracene	120-12-7.SEC	WDFNJ	99%	1,005.3	µg/mL	+/- 18.5770
66	Carbazole	86-74-8.SEC	LMIZB	99%	1,005.0	µg/mL	+/- 18.5724
67	Di-n-butylphthalate	84-74-2.SEC	42FSG	99%	1,005.8	µg/mL	+/- 18.5862
68	Fluoranthene	206-44-0.SEC	FREGF	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0.SEC	ROVJC	99%	1,005.8	µg/mL	+/- 18.5862
70	Benzyl butyl phthalate	85-68-7.SEC	TMXHI	99%	1,006.5	µg/mL	+/- 18.6001
71	Benz(a)anthracene	56-55-3.SEC	JIU7N	99%	1,007.5	µg/mL	+/- 18.6186
72	chrysene	218-01-9.SEC	RP240920S	99%	1,005.5	µg/mL	+/- 18.5816
73	Bis(2-ethylhexyl)phthalate	117-81-7.SEC	MT8AG	99%	1,006.8	µg/mL	+/- 18.6047
74	Di-n-octyl phthalate	117-84-0.SEC	O8DLD	99%	1,004.8	µg/mL	+/- 18.5677
75	Benzo(b)fluoranthene	205-99-2.SEC	53NSF	99%	1,006.5	µg/mL	+/- 18.6001
76	Benzo(k)fluoranthene	207-08-9.SEC	15550000	99%	1,007.3	µg/mL	+/- 18.6139
77	Benzo(a)pyrene	50-32-8.SEC	ISLCP3775	97%	1,004.7	µg/mL	+/- 18.5664
78	Indeno(1,2,3-cd)pyrene	193-39-5.SEC	022013	99%	1,007.5	µg/mL	+/- 18.6186
79	Dibenz(a,h)anthracene	53-70-3.SEC	712061504-1-1	99%	1,004.8	µg/mL	+/- 18.5677
80	Benzo(g,h,i)perylene	191-24-2.SEC	RP240610S	96%	1,004.4	µg/mL	+/- 18.5613

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL. N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine. N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

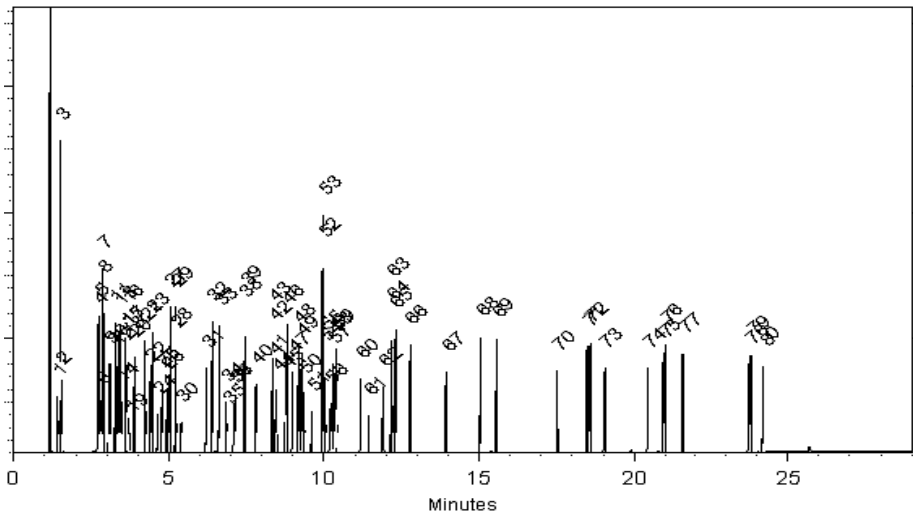
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 09-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MB_L1S1_STK_00090

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0224609

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBS1217	99%	1,008.1 µg/mL	+/- 18.6301
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.0 µg/mL	+/- 18.5724
3	Pyridine	110-86-1	SHBR481L	99%	2,007.3 µg/mL	+/- 37.0854
4	Phenol	108-95-2	MKCT5446	99%	1,001.0 µg/mL	+/- 18.4984
5	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 18.5331
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,008.4 µg/mL	+/- 18.6347
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,006.1 µg/mL	+/- 18.5931
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.6 µg/mL	+/- 18.6209
9	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,005.4 µg/mL	+/- 18.5793
10	1,4-Dichlorobenzene	106-46-7	MKBS7920V	99%	1,004.6 µg/mL	+/- 18.5654
11	Benzyl alcohol	100-51-6	094986P13	99%	1,003.4 µg/mL	+/- 18.5425
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.6 µg/mL	+/- 18.5469
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,001.3 µg/mL	+/- 18.5031
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.0 µg/mL	+/- 18.6093
15	Acetophenone	98-86-2	STBH8205	99%	1,006.4 µg/mL	+/- 18.5978
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.9 µg/mL	+/- 9.2746

17	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	501.4	µg/mL	+/- 9.2654
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,009.4	µg/mL	+/- 18.6532
19	Hexachloroethane	67-72-1	DAXRI	99%	1,006.3	µg/mL	+/- 18.5955
20	Nitrobenzene	98-95-3	10224044	99%	1,005.0	µg/mL	+/- 18.5724
21	Isophorone	78-59-1	MKCR3249	99%	1,009.0	µg/mL	+/- 18.6463
22	2-Nitrophenol	88-75-5	RP230710	99%	1,004.3	µg/mL	+/- 18.5585
23	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,008.3	µg/mL	+/- 18.6324
24	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,002.9	µg/mL	+/- 18.5331
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,009.3	µg/mL	+/- 18.6509
27	Naphthalene	91-20-3	STBL1057	99%	1,002.4	µg/mL	+/- 18.5238
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.1	µg/mL	+/- 18.5192
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.9	µg/mL	+/- 18.6440
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,006.1	µg/mL	+/- 18.5925
31	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,003.6	µg/mL	+/- 18.5469
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.1	µg/mL	+/- 18.4823
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.4	µg/mL	+/- 18.3028
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,002.3	µg/mL	+/- 18.5215
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,001.6	µg/mL	+/- 18.5100
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.2	µg/mL	+/- 18.6314
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,008.9	µg/mL	+/- 18.6440
39	Biphenyl	92-52-4	MKCS5928	99%	1,008.8	µg/mL	+/- 18.6417
40	2-Nitroaniline	88-74-4	RP241202RSR	99%	1,002.1	µg/mL	+/- 18.5192
41	Acenaphthylene	208-96-8	214935V18H	95%	1,000.0	µg/mL	+/- 18.4798
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.0	µg/mL	+/- 18.6093
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.6	µg/mL	+/- 18.6393
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.8	µg/mL	+/- 18.5677
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,007.8	µg/mL	+/- 18.6232
46	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 18.4800
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,011.5	µg/mL	+/- 37.1639
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,001.8	µg/mL	+/- 18.5123
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,007.8	µg/mL	+/- 37.0946
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.8	µg/mL	+/- 18.6417
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.9	µg/mL	+/- 18.5885
52	Fluorene	86-73-7	10246250	98%	1,003.0	µg/mL	+/- 18.5360

53	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	1,004.1	µg/mL	+/- 18.5562
54	Diethylphthalate	84-66-2	STBL3611	99%	1,004.0	µg/mL	+/- 18.5539
55	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,007.1	µg/mL	+/- 18.6116
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,002.5	µg/mL	+/- 18.5262
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,011.1	µg/mL	+/- 37.1570
58	Diphenylamine	122-39-4	MKCT1512	99%	852.6	µg/mL	+/- 15.7565
59	Azobenzene	103-33-3	BCCL3292	99%	1,003.0	µg/mL	+/- 18.5354
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.4	µg/mL	+/- 18.5793
61	Hexachlorobenzene	118-74-1	15828800	99%	1,002.9	µg/mL	+/- 18.5331
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,006.6	µg/mL	+/- 37.0739
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,001.4	µg/mL	+/- 18.5054
64	Phenanthrene	85-01-8	MKCT3391	99%	1,004.1	µg/mL	+/- 18.5562
65	Anthracene	120-12-7	101492T18R	99%	1,005.0	µg/mL	+/- 18.5724
66	Carbazole	86-74-8	15821400	99%	1,008.6	µg/mL	+/- 18.6393
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,001.4	µg/mL	+/- 18.5054
68	Fluoranthene	206-44-0	A0458721	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0	BCCK2592	99%	1,004.3	µg/mL	+/- 18.5585
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.5	µg/mL	+/- 18.5816
71	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,003.8	µg/mL	+/- 18.5493
72	Chrysene	218-01-9	RP250121RSR	99%	1,001.4	µg/mL	+/- 18.5054
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,005.4	µg/mL	+/- 18.5793
74	Di-n-octyl phthalate	117-84-0	15817300	99%	1,002.8	µg/mL	+/- 18.5308
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,003.3	µg/mL	+/- 18.5400
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,007.4	µg/mL	+/- 18.6162
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,001.8	µg/mL	+/- 18.5133
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.0	µg/mL	+/- 18.4992
79	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,001.3	µg/mL	+/- 18.5031
80	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	1,001.9	µg/mL	+/- 18.5146

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_L1S10_STK_00110

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received 11/6/24 JM
MB_LIS10_STK_00110-111

Catalog No. : 569731 **Lot No.:** A0209261

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD230927	99%	2,019.6 µg/mL	+/- 113.4524
2	Benzoic acid	65-85-0	MKCR2694	99%	2,012.5 µg/mL	+/- 113.0554

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_L1S11_SS_00039

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110 Benner Circle
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732.SEC **Lot No.:** A0216037

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7.SEC	E7DWH	99%	2,001.0 µg/mL	+/- 58.7906
2	epsilon-Caprolactam	105-60-2.SEC	BLJTB	99%	2,010.0 µg/mL	+/- 59.0551
3	Atrazine	1912-24-9.SEC	14713000	99%	2,013.0 µg/mL	+/- 59.1432

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_L1S11_STK_00067

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0212130

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,012.5 µg/mL	+/- 59.1067
2	epsilon-Caprolactam	105-60-2	116X016	99%	2,014.5 µg/mL	+/- 59.1655
3	Atrazine	1912-24-9	5FYWL	99%	2,001.1 µg/mL	+/- 58.7726

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_L1S9_SS_00039

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Catalog No. : 569730.SEC **Lot No.:** A0224696

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5.SEC	4458600	99%	2,014.7 µg/mL	+/- 37.2571
2	3,3'-Dichlorobenzidine	91-94-1.SEC	15337800	99%	2,017.3 µg/mL	+/- 37.3064

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_L1S9_STK_00053

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0210722

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S240206RSR	99%	2,011.1 µg/mL	+/- 37.1570
2	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	2,008.5 µg/mL	+/- 37.1085

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MB_SURR_STK_00073

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

MB_SURR_STK_00071-75

Received 11/5/21

RS

Catalog No. : 567685 **Lot No.:** A0172807

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol		5,004.6 µg/mL	+/- 29.0972 µg/mL	Gravimetric
	CAS # 367-12-4	(Lot STBJ2508)		+/- 146.0510 µg/mL	Unstressed
	Purity 99%			+/- 177.2273 µg/mL	Stressed
2	Phenol-d5		5,011.4 µg/mL	+/- 29.1367 µg/mL	Gravimetric
	CAS # 4165-62-2	(Lot CD-105)		+/- 146.2494 µg/mL	Unstressed
	Purity 99%			+/- 177.4681 µg/mL	Stressed
3	Nitrobenzene-d5		5,003.0 µg/mL	+/- 29.0879 µg/mL	Gravimetric
	CAS # 4165-60-0	(Lot PR-29940B)		+/- 146.0043 µg/mL	Unstressed
	Purity 99%			+/- 177.1706 µg/mL	Stressed
4	2-Fluorobiphenyl		5,010.2 µg/mL	+/- 29.1297 µg/mL	Gravimetric
	CAS # 321-60-8	(Lot 00019169)		+/- 146.2144 µg/mL	Unstressed
	Purity 99%			+/- 177.4256 µg/mL	Stressed
5	2,4,6-Tribromophenol		5,003.9 µg/mL	+/- 29.0931 µg/mL	Gravimetric
	CAS # 118-79-6	(Lot MKCJ7664)		+/- 146.0306 µg/mL	Unstressed
	Purity 99%			+/- 177.2025 µg/mL	Stressed
6	p-Terphenyl-d14		5,013.8 µg/mL	+/- 29.1507 µg/mL	Gravimetric
	CAS # 1718-51-0	(Lot PR-30504)		+/- 146.3195 µg/mL	Unstressed
	Purity 99%			+/- 177.5531 µg/mL	Stressed

Reagent

O_8270/625LCS_00261

2mL
16 mL
2mL
4mL
→ 100 mL Acetone

Organic Prep
Spike / Surrogate Verification Form

8397663
ID: O_8270/625LCS_00261
Exp: 02/13/26 Prpd: SMP Crt: 08/13/25
8270/625 LCS Spike Mix#1

Spike/Surrogate Method: 8270/625 LCS TALs Reagent ID:

Spike/Surrogate Code: A193

Prepared By / Date: SP 8/13/25

Date Submitted for Analysis: 8/13/25

Solvent Exchanged? (YES) NO

Solvent Used for Exchange: $MeCl_2$

Final Concentrated Volume: 1.0mL

Final Method Volume: 1.0mL

Final Method Volume Done by Prep? (Yes) No

Date of Analysis: 8/13/25

Analyzed By: JM

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep



Report Date: 14-Aug-2025 08:53:40 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Preliminary Report

Eurofins Buffalo

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Buffalo\ChromData\HP5973V\20250813-124845.b\V3173212.d
Lims ID: LCS Inj. Date: 13-Aug-2025 20:30:30
Worklist ID: 480-0124845-022 Instrument: HP5973V
Method: V-8270

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3546
68 1,4-Dioxane	40.0	32.4	81.1	22-120
69 N-Nitrosodimethylamine	40.0	33.9	84.7	10-120
70 Pyridine	80.0	89.7	112.2	10-120
80 Benzaldehyde	40.0	25.1	62.7	10-120
82 Aniline	40.0	33.9	84.8	18-120
81 Phenol	40.0	33.7	84.3	37-120
83 Bis(2-chloroethyl)ether	40.0	35.6	89.0	34-120
84 2-Chlorophenol	40.0	38.0	95.0	40-120
263 n-Decane	40.0	43.7	109.2	29-120
87 1,3-Dichlorobenzene	40.0	34.1	85.1	36-120
88 1,4-Dichlorobenzene	40.0	33.2	83.0	36-120
90 Benzyl alcohol	40.0	36.3	90.8	41-120
91 1,2-Dichlorobenzene	40.0	34.4	86.0	39-120
248 Indene	320.0	313.8	98.1	37-120
93 2,2'-oxybis[1-chloropro	40.0	44.4	111.0	31-120
92 2-Methylphenol	40.0	35.1	87.7	41-120
94 Acetophenone	40.0	34.7	86.7	39-120
95 N-Nitrosodi-n-propylami	40.0	32.1	80.2	41-120
96 4-Methylphenol	40.0	35.2	88.1	43-120
99 Hexachloroethane	40.0	36.2	90.5	34-120
102 Nitrobenzene	40.0	33.6	84.0	40-120
106 Isophorone	40.0	34.8	87.1	46-120
107 2-Nitrophenol	40.0	35.9	89.9	43-120
108 2,4-Dimethylphenol	40.0	36.1	90.2	48-120
111 Bis(2-chloroethoxy)meth	40.0	36.9	92.1	42-120
114 2,4-Dichlorophenol	40.0	35.5	88.8	44-120
117 1,2,4-Trichlorobenzene	40.0	35.3	88.4	43-120
115 Benzoic acid	320.0	287.8	89.9	10-120
118 Naphthalene	40.0	38.5	96.4	43-120
119 4-Chloroaniline	40.0	35.5	88.7	20-120
122 2,6-Dichlorophenol	40.0	36.9	92.3	45-120
121 Hexachlorobutadiene	40.0	34.2	85.6	40-120
124 Caprolactam	40.0	24.7	61.7	10-120
129 4-Chloro-3-methylphenol	40.0	34.9	87.2	54-120
131 2-Methylnaphthalene	40.0	37.3	93.2	45-120
251 1-Methylnaphthalene	40.0	36.5	91.2	47-120
134 Hexachlorocyclopentadie	40.0	27.5	68.8	30-125
135 1,2,4,5-Tetrachlorobenz	40.0	38.5	96.3	45-120
137 2,4,6-Trichlorophenol	40.0	38.3	95.7	51-120
138 2,4,5-Trichlorophenol	40.0	38.8	97.1	52-120
140 1,1'-Biphenyl	40.0	40.2	100.5	47-120

Preliminary Report

Sample Path: \\chromfs\Buffalo\ChromData\HP5973V\20250813-124845.b\V3173212.d

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3546
141 2-Chloronaphthalene	40.0	38.1	95.2	46-120
143 2-Nitroaniline	40.0	40.9	102.3	51-125
146 Dimethyl phthalate	40.0	37.3	93.1	53-120
148 1,3-Dinitrobenzene	40.0	35.3	88.2	56-122
149 2,6-Dinitrotoluene	40.0	38.2	95.6	51-125
150 Acenaphthylene	40.0	39.5	98.7	49-120
151 3-Nitroaniline	40.0	35.8	89.6	33-120
152 Acenaphthene	40.0	39.2	98.1	49-121
153 2,4-Dinitrophenol	80.0	63.5	79.4	28-120
154 4-Nitrophenol	80.0	70.3	87.8	47-120
155 Dibenzofuran	40.0	40.7	101.7	53-120
156 2,4-Dinitrotoluene	40.0	37.4	93.4	55-125
158 2,3,4,6-Tetrachlorophen	40.0	35.5	88.8	56-120
161 Diethyl phthalate	40.0	37.5	93.7	54-120
256 Hexadecane	40.0	49.0	122.6	50-124
162 Fluorene	40.0	39.5	98.7	55-121
163 4-Chlorophenyl phenyl e	40.0	37.6	94.0	54-120
164 4-Nitroaniline	40.0	39.0	97.6	54-120
165 4,6-Dinitro-2-methylphe	80.0	68.1	85.2	49-126
169 Diphenylamine	34.2	33.1	96.8	57-121
168 N-Nitrosodiphenylamine	40.0	38.7	96.8	57-126
170 1,2-Diphenylhydrazine	40.0	36.5	91.4	50-127
171 Azobenzene	40.0	34.9	87.3	51-128
175 4-Bromophenyl phenyl et	40.0	32.2	80.4	55-123
179 Hexachlorobenzene	40.0	26.3	65.7	56-120
180 Atrazine	40.0	26.6	66.4	44-120
183 Pentachlorophenol	80.0	49.1	61.3	10-124
265 n-Octadecane	40.0	45.5	113.7	49-135
188 Phenanthrene	40.0	35.6	88.9	57-120
189 Anthracene	40.0	36.2	90.5	57-120
192 Carbazole	40.0	39.2	97.9	58-124
195 Di-n-butyl phthalate	40.0	35.5	88.7	49-120
201 Fluoranthene	40.0	36.7	91.7	57-121
202 Benzidine	40.0	35.3	88.2	5-120
204 Pyrene	40.0	41.6	104.0	59-125
210 Butyl benzyl phthalate	40.0	39.6	99.0	50-122
215 3,3'-Dichlorobenzidine	40.0	32.5	81.2	10-120
217 Benzo[a]anthracene	40.0	37.6	94.0	58-120
218 Chrysene	40.0	37.1	92.8	57-120
216 Bis(2-ethylhexyl) phtha	40.0	38.8	97.1	49-130
220 Di-n-octyl phthalate	40.0	37.7	94.2	42-125
221 Benzo[b]fluoranthene	40.0	39.6	98.9	56-120
222 Benzo[k]fluoranthene	40.0	40.7	101.7	59-127
225 Benzo[a]pyrene	40.0	41.4	103.5	59-122
227 Indeno[1,2,3-cd]pyrene	40.0	40.2	100.4	53-125
228 Dibenz(a,h)anthracene	40.0	38.5	96.3	53-124

Preliminary Report

Sample Path: \\chromfs\Buffalo\ChromData\HP5973V\20250813-124845.b\V3173212.d

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3546
229 Benzo[g,h,i]perylene	40.0	41.1	102.8	56-132
S 233 3-Methylphenol	40.0	35.2	88.1	55-120

Samples for Limit Group: 1, Lims Prep Method: 3546

480-231747-B-2-C
480-231747-A-5-A
480-231732-B-1-A
480-231732-B-2-A
480-231737-C-1-A
480-231737-B-2-A
480-231740-A-2-A
480-231740-A-4-A
480-231740-A-5-A
480-231688-A-13-A
480-231688-A-14-A
480-231688-A-15-A
480-231688-A-16-A
480-231688-A-17-A

Reagent

O_8270MegaMix_00206

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0224609

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)
1	1,4-Dioxane	123-91-1	SHBS1217	99%	1,008.1 µg/mL	+/- 18.6301
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.0 µg/mL	+/- 18.5724
3	Pyridine	110-86-1	SHBR4811	99%	2,007.3 µg/mL	+/- 37.0854
4	Phenol	108-95-2	MKCT5446	99%	1,001.0 µg/mL	+/- 18.4984
5	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 18.5231
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,008.4 µg/mL	+/- 18.6347
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,006.1 µg/mL	+/- 18.5971
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.6 µg/mL	+/- 18.6209
9	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,005.4 µg/mL	+/- 18.5793
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,004.6 µg/mL	+/- 18.5654
11	Benzyl alcohol	100-51-6	094986P13	99%	1,003.4 µg/mL	+/- 18.5423
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.6 µg/mL	+/- 18.546
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,001.3 µg/mL	+/- 18.5031
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.0 µg/mL	+/- 18.6093
15	Acetophenone	98-86-2	STBH8205	99%	1,006.4 µg/mL	+/- 18.5978
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.9 µg/mL	+/- 9.2744

8372847
ID: O_8270MegaMix_00206
Exp: 03/28/26 Prpd: SMP
8270 List 1/Std#1 Mega MI

8372848
ID: O_8270MegaMix_00207
Exp: 03/28/26 Prpd: SMP
8270 List 1/Std#1 Mega MI

8372849
ID: O_8270MegaMix_00208
Exp: 03/28/26 Prpd: SMP
8270 List 1/Std#1 Mega MI

17	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	501.4	µg/mL	+/- 9.2654
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,009.4	µg/mL	+/- 18.6532
19	Hexachloroethane	67-72-1	DAXRI	99%	1,006.3	µg/mL	+/- 18.5955
20	Nitrobenzene	98-95-3	10224044	99%	1,005.0	µg/mL	+/- 18.5724
21	Isophorone	78-59-1	MKCR3249	99%	1,009.0	µg/mL	+/- 18.6463
22	2-Nitrophenol	88-75-5	RP230710	99%	1,004.3	µg/mL	+/- 18.5585
23	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,008.3	µg/mL	+/- 18.6324
24	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,002.9	µg/mL	+/- 18.5331
25	2,4-Dichlorophenol	120-83-2	BCCK6963	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,009.3	µg/mL	+/- 18.6509
27	Naphthalene	91-20-3	STBL1057	99%	1,002.4	µg/mL	+/- 18.5238
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.1	µg/mL	+/- 18.5192
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.9	µg/mL	+/- 18.6440
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,006.1	µg/mL	+/- 18.5925
31	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,003.6	µg/mL	+/- 18.5469
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.1	µg/mL	+/- 18.4823
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.4	µg/mL	+/- 18.3028
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,002.3	µg/mL	+/- 18.5215
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,001.6	µg/mL	+/- 18.5100
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.2	µg/mL	+/- 18.6314
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,008.9	µg/mL	+/- 18.6440
39	Biphenyl	92-52-4	MKCS5928	99%	1,008.8	µg/mL	+/- 18.6417
40	2-Nitroaniline	88-74-4	RP241202RSR	99%	1,002.1	µg/mL	+/- 18.5192
41	Acenaphthylene	208-96-8	214935V18H	95%	1,000.0	µg/mL	+/- 18.4798
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.0	µg/mL	+/- 18.6093
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.6	µg/mL	+/- 18.6393
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.8	µg/mL	+/- 18.5677
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,007.8	µg/mL	+/- 18.6232
46	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 18.4800
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,011.5	µg/mL	+/- 37.1639
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,001.8	µg/mL	+/- 18.5123
49	4-Nitrophenol	100-02-7	20241120-1-AM	99%	2,007.8	µg/mL	+/- 37.0946
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.8	µg/mL	+/- 18.6417
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.9	µg/mL	+/- 18.5885
52	Fluorene	86-73-7	10246250	98%	1,003.0	µg/mL	+/- 18.5360

53	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	1,004.1	µg/mL	+/- 18.5562
54	Diethylphthalate	84-66-2	STBL3611	99%	1,004.0	µg/mL	+/- 18.5539
55	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,007.1	µg/mL	+/- 18.6116
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,002.5	µg/mL	+/- 18.5262
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,011.1	µg/mL	+/- 37.1570
58	Diphenylamine	122-39-4	MKCT1512	99%	852.6	µg/mL	+/- 15.7565
59	Azobenzene	103-33-3	BCCL3292	99%	1,003.0	µg/mL	+/- 18.5354
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.4	µg/mL	+/- 18.5793
61	Hexachlorobenzene	118-74-1	15828800	99%	1,002.9	µg/mL	+/- 18.5331
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,006.6	µg/mL	+/- 37.0739
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,001.4	µg/mL	+/- 18.5054
64	Phenanthrene	85-01-8	MKCT3391	99%	1,004.1	µg/mL	+/- 18.5562
65	Anthracene	120-12-7	101492T18R	99%	1,005.0	µg/mL	+/- 18.5724
66	Carbazole	86-74-8	15821400	99%	1,008.6	µg/mL	+/- 18.6393
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,001.4	µg/mL	+/- 18.5054
68	Fluoranthene	206-44-0	A0458721	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0	BCCK2592	99%	1,004.3	µg/mL	+/- 18.5585
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.5	µg/mL	+/- 18.5816
71	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,003.8	µg/mL	+/- 18.5493
72	Chrysene	218-01-9	RP250121RSR	99%	1,001.4	µg/mL	+/- 18.5054
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,005.4	µg/mL	+/- 18.5793
74	Di-n-octyl phthalate	117-84-0	15817300	99%	1,002.8	µg/mL	+/- 18.5308
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,003.3	µg/mL	+/- 18.5400
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,007.4	µg/mL	+/- 18.6162
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,001.8	µg/mL	+/- 18.5133
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.0	µg/mL	+/- 18.4992
79	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,001.3	µg/mL	+/- 18.5031
80	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	1,001.9	µg/mL	+/- 18.5146

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

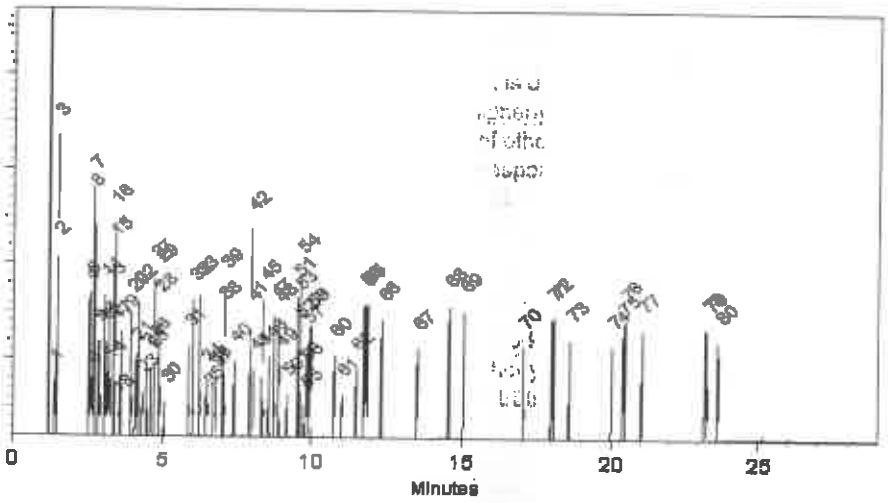
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 14-Apr-2025 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Apr-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80307

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

O_8270surr_00135

4mL -> 500 mL Acetone

Organic Prep
Spike / Surrogate Verification Form

Spike/Surrogate Method: 8270/625

TALs Reagent ID: 8391884 ID: O_8270surr_0C135 Exp: 02/06/26 Prpd: SMP Crt: 08/08/25 8270/625 Surrogate @ 40 u

Spike/Surrogate Code: A01

Prepared By / Date: SP 8/8/25

Date Submitted for Analysis: 8/11/25

Solvent Exchanged? (YES) NO

Solvent Used for Exchange: MeCl2

Final Concentrated Volume: 1.0mL

Final Method Volume: 1.0mL

Final Method Volume Done by Prep? (Yes) No

Date of Analysis: 8/13/25

Analyzed By: JM

Compounds within range of expected recovery? (YES) NO

Spike / Surrogate Verified for Preparation Use? (YES) NO

* Please return form with final concentration report to Organic Prep



Preliminary Report

Eurofins Buffalo

Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973V\20250813-124845.b\V3173211.d
Lims ID: Surr
Client ID:
Sample Type: Client
Inject. Date: 13-Aug-2025 20:03:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124845-021
Operator ID: JM Instrument ID: HP5973V

Method: \\chromfs\Buffalo\ChromData\HP5973V\20250813-124845.b\V-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 13-Aug-2025 19:15:58 Calib Date: 29-Jul-2025 16:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973V\20250729-124650.b\V3173055.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1708

Compound	Amount Added	Amount Recovered	% Rec.	QC Limits
$ 7 2-Fluorophenol	40.0	39.5	98.72	18-120
$ 8 Phenol-d5	40.0	37.0	92.48	23-120
$ 9 Nitrobenzene-d5	40.0	38.3	95.80	22-120
$ 10 2-Fluorobiphenyl	40.0	44.4	111.04	29-120
$ 11 2,4,6-Tribromophenol	40.0	24.4	60.93	10-140
$ 12 p-Terphenyl-d14	40.0	38.4	95.89	28-124

Reagent

O_8270surr_st_00146

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A0215854

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	5,049.5 µg/mL	+/- 152.6869
2	Phenol-d5	4165-62-2	GH-100	99%	5,025.8 µg/mL	+/- 151.9687
3	Nitrobenzene-d5	4165-60-0	PR-33424A	99%	5,038.3 µg/mL	+/- 152.3467
4	2-Fluorobiphenyl	321-60-8	00021384	99%	5,031.9 µg/mL	+/- 152.1539
5	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	5,043.1 µg/mL	+/- 152.4941
6	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,039.0 µg/mL	+/- 152.3694

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

8247229
ID: O_8270surr_st_00142
Exp: 08/31/28 Prpd: SMP
8270 Surrogate Standard @

8247230
ID: O_8270surr_st_00143
Exp: 08/31/28 Prpd: SMP
8270 Surrogate Standard @

8247231
ID: O_8270surr_st_00144
Exp: 08/31/28 Prpd: SMP
8270 Surrogate Standard @

8247232
ID: O_8270surr_st_00145
Exp: 08/31/28 Prpd: SMP
8270 Surrogate Standard @

8247233
ID: O_8270surr_st_00146
Exp: 08/31/28 Prpd: SMP
8270 Surrogate Standard @

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

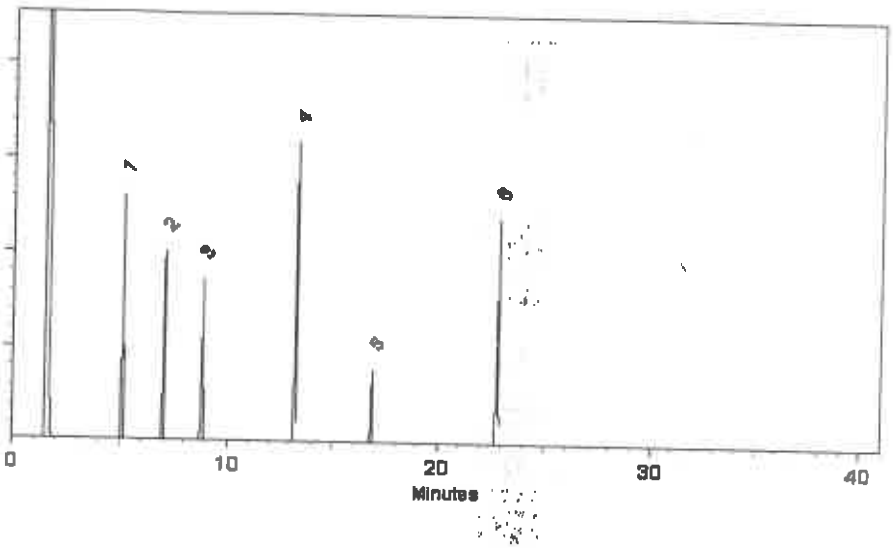
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 29-Aug-2024 Balance Serial # 1128353505

Jennifer Pollino - Operations Tech II - ARM QC

Date Passed: 05-Sep-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Method 8270D

Semivolatile Organic Compounds (GC/MS) by Method 8270D

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
SB-04-CONF-N-1Ft	480-232238-1	68	72	75	76	93	84
SB-04-CONF-E-1Ft	480-232238-2	66	63	76	90	82	90
SB-04-CONF-S-1Ft	480-232238-3	75	67	73	79	79	87
SB-04-CONF-W-1Ft	480-232238-4	68	74	73	81	85	83
SB-04-CONF-D-1Ft	480-232238-5	71	68	74	87	78	86
	MB 480-755889/1-A	69	69	75	82	78	89
	LCS 480-755889/2-A	68	70	75	86	84	85
SB-04-CONF-D-1Ft MS	480-232238-5 MS	83	80	75	90	98	94
SB-04-CONF-D-1Ft MSD	480-232238-5 MSD	73	75	76	86	93	89

	QC LIMITS
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	23-120
NBZ = Nitrobenzene-d5	22-120
FBP = 2-Fluorobiphenyl	29-120
TBP = 2,4,6-Tribromophenol	10-140
TPHd14 = p-Terphenyl-d14	28-124

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000365323.d

Lab ID: LCS 480-755889/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	2670	2050	77	52-120	
2,4,6-Trichlorophenol	2670	2180	82	51-120	
2,4-Dichlorophenol	2670	2370	89	44-120	
2,4-Dimethylphenol	2670	2230	84	48-120	
2,4-Dinitrophenol	5330	2840	53	28-120	
2,4-Dinitrotoluene	2670	2280	86	55-125	
2,6-Dinitrotoluene	2670	2130	80	51-125	
2-Chloronaphthalene	2670	2100	79	46-120	
2-Chlorophenol	2670	1870	70	40-120	
2-Methylnaphthalene	2670	2160	81	45-120	
2-Methylphenol	2670	1860	70	41-120	
2-Nitroaniline	2670	1920	72	51-125	
2-Nitrophenol	2670	2200	83	43-120	
3,3'-Dichlorobenzidine	2670	1600	60	10-120	
3-Nitroaniline	2670	1330	50	33-120	
4,6-Dinitro-2-methylphenol	5330	4230	79	49-126	
4-Bromophenyl phenyl ether	2670	2370	89	55-123	
4-Chloro-3-methylphenol	2670	2090	78	54-120	
4-Chloroaniline	2670	1130	42	20-120	
4-Chlorophenyl phenyl ether	2670	2110	79	54-120	
4-Methylphenol	2670	1950	73	43-120	
4-Nitroaniline	2670	1870	70	54-120	
4-Nitrophenol	5330	3880	73	47-120	
Acenaphthene	2670	2150	80	49-121	
Acenaphthylene	2670	2070	78	49-120	
Acetophenone	2670	1810	68	39-120	
Anthracene	2670	2160	81	57-120	
Atrazine	2670	1620	61	44-120	
Benzaldehyde	2670	1120	42	10-120	
Benzo[a]anthracene	2670	2240	84	58-120	
Benzo[a]pyrene	2670	2260	85	59-122	
Benzo[b]fluoranthene	2670	2280	86	56-120	
Benzo[g,h,i]perylene	2670	2310	87	56-132	
Benzo[k]fluoranthene	2670	2330	88	59-127	
Biphenyl	2670	2170	81	47-120	
bis (2-chloroisopropyl) ether	2670	1710	64	31-120	
Bis(2-chloroethoxy)methane	2670	2090	78	42-120	
Bis(2-chloroethyl)ether	2670	1740	65	34-120	
Bis(2-ethylhexyl) phthalate	2670	2270	85	49-130	
Butyl benzyl phthalate	2670	2220	83	50-122	
Caprolactam	2670	1430	54	10-120	
Carbazole	2670	2240	84	58-124	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000365323.d

Lab ID: LCS 480-755889/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chrysene	2670	2280	85	57-120	
Dibenz(a,h)anthracene	2670	2410	91	53-124	
Dibenzofuran	2670	2150	81	53-120	
Diethyl phthalate	2670	2050	77	54-120	
Dimethyl phthalate	2670	2030	76	53-120	
Di-n-butyl phthalate	2670	2100	79	49-120	
Di-n-octyl phthalate	2670	2270	85	42-125	
Fluoranthene	2670	2250	84	57-121	
Fluorene	2670	2240	84	55-121	
Hexachlorobenzene	2670	2180	82	56-120	
Hexachlorobutadiene	2670	2190	82	40-120	
Hexachlorocyclopentadiene	2670	1990	75	30-125	
Hexachloroethane	2670	1770	66	34-120	
Indeno[1,2,3-cd]pyrene	2670	2270	85	53-125	
Isophorone	2670	1930	72	46-120	
Naphthalene	2670	2060	77	43-120	
Nitrobenzene	2670	1920	72	40-120	
N-Nitrosodi-n-propylamine	2670	1760	66	41-120	
Pentachlorophenol	5330	3410	64	10-124	
Phenanthrene	2670	2240	84	57-120	
Phenol	2670	1720	64	37-120	
Pyrene	2670	2250	85	59-125	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000365324.d

Lab ID: 480-232238-5 MS Client ID: SB-04-CONF-D-1Ft MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4,5-Trichlorophenol	2860	ND	2580	90	46-120	
2,4,6-Trichlorophenol	2860	ND	2380	83	41-123	
2,4-Dichlorophenol	2860	ND	2540	89	45-120	
2,4-Dimethylphenol	2860	ND	1990	70	52-120	
2,4-Dinitrophenol	5710	ND	3100	54	41-146	
2,4-Dinitrotoluene	2860	ND	2610	92	63-125	
2,6-Dinitrotoluene	2860	ND	2550	89	66-120	
2-Chloronaphthalene	2860	ND	2410	85	57-120	
2-Chlorophenol	2860	ND	2260	79	43-120	
2-Methylnaphthalene	2860	ND	2440	85	55-120	
2-Methylphenol	2860	ND	2080	73	48-120	
2-Nitroaniline	2860	ND	2030	71	61-120	
2-Nitrophenol	2860	ND	2330	82	37-120	
3,3'-Dichlorobenzidine	2860	ND	1700	60	37-126	
3-Nitroaniline	2860	ND	1510	53	48-120	
4,6-Dinitro-2-methylphenol	5710	ND	5020	88	23-149	
4-Bromophenyl phenyl ether	2860	ND	2660	93	58-120	
4-Chloro-3-methylphenol	2860	ND	2120	74	49-125	
4-Chloroaniline	2860	ND	1260	44	38-120	
4-Chlorophenyl phenyl ether	2860	ND	2530	88	63-124	
4-Methylphenol	2860	ND	2200	77	50-120	
4-Nitroaniline	2860	ND	2270	79	47-120	
4-Nitrophenol	5710	ND	4820	84	31-147	
Acenaphthene	2860	ND	2390	84	60-120	
Acenaphthylene	2860	ND	2330	81	58-121	
Acetophenone	2860	ND	2030	71	47-120	
Anthracene	2860	ND	2400	84	62-120	
Atrazine	2860	ND	1880	66	60-150	
Benzaldehyde	2860	ND	1330	47	10-150	
Benzo[a]anthracene	2860	ND	2650	93	65-120	
Benzo[a]pyrene	2860	90 J	2490	84	64-120	
Benzo[b]fluoranthene	2860	110 J	2470	83	10-150	
Benzo[g,h,i]perylene	2860	72 J	2710	92	45-145	
Benzo[k]fluoranthene	2860	ND	2540	89	23-150	
Biphenyl	2860	ND	2410	84	58-120	
bis (2-chloroisopropyl) ether	2860	ND	2050	72	31-120	
Bis(2-chloroethoxy)methane	2860	ND	2230	78	52-120	
Bis(2-chloroethyl)ether	2860	ND	2030	71	45-120	
Bis(2-ethylhexyl) phthalate	2860	ND	2670	93	61-133	
Butyl benzyl phthalate	2860	ND	2620	92	61-120	
Caprolactam	2860	ND	1580	55	37-133	
Carbazole	2860	ND	2660	93	59-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000365324.d

Lab ID: 480-232238-5 MS Client ID: SB-04-CONF-D-1Ft MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Chrysene	2860	94 J	2670	90	64-120	
Dibenz(a,h)anthracene	2860	ND	2720	95	54-132	
Dibenzofuran	2860	ND	2370	83	62-120	
Diethyl phthalate	2860	ND	2320	81	66-120	
Dimethyl phthalate	2860	ND	2390	84	65-124	
Di-n-butyl phthalate	2860	ND	2450	86	58-130	
Di-n-octyl phthalate	2860	ND	2710	95	57-133	
Fluoranthene	2860	140 J	2490	82	62-120	
Fluorene	2860	ND	2340	82	63-120	
Hexachlorobenzene	2860	ND	2540	89	60-120	
Hexachlorobutadiene	2860	ND	2330	82	45-120	
Hexachlorocyclopentadiene	2860	ND	2220	78	31-120	
Hexachloroethane	2860	ND	2210	77	21-120	
Indeno[1,2,3-cd]pyrene	2860	50 J	2510	86	56-134	
Isophorone	2860	ND	2160	76	56-120	
Naphthalene	2860	ND	2260	79	46-120	
Nitrobenzene	2860	ND	2200	77	49-120	
N-Nitrosodi-n-propylamine	2860	ND	2150	75	46-120	
Pentachlorophenol	5710	ND	4140	72	10-136	
Phenanthrene	2860	ND	2620	92	60-122	
Phenol	2860	ND	2010	70	50-120	
Pyrene	2860	130 J	2830	95	61-133	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000365325.d

Lab ID: 480-232238-5 MSD Client ID: SB-04-CONF-D-1Ft MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4,5-Trichlorophenol	2870	2390	83	8	18	46-120	
2,4,6-Trichlorophenol	2870	2340	82	2	19	41-123	
2,4-Dichlorophenol	2870	2510	87	1	19	45-120	
2,4-Dimethylphenol	2870	1990	69	0	42	52-120	
2,4-Dinitrophenol	5740	3110	54	0	22	41-146	
2,4-Dinitrotoluene	2870	2370	83	10	20	63-125	
2,6-Dinitrotoluene	2870	2410	84	6	15	66-120	
2-Chloronaphthalene	2870	2250	78	7	21	57-120	
2-Chlorophenol	2870	2200	77	3	25	43-120	
2-Methylnaphthalene	2870	2390	83	2	21	55-120	
2-Methylphenol	2870	2000	70	4	27	48-120	
2-Nitroaniline	2870	2050	71	1	15	61-120	
2-Nitrophenol	2870	2440	85	5	18	37-120	
3,3'-Dichlorobenzidine	2870	1600	56	6	25	37-126	
3-Nitroaniline	2870	1570	55	4	19	48-120	
4,6-Dinitro-2-methylphenol	5740	4740	83	6	15	23-149	
4-Bromophenyl phenyl ether	2870	2500	87	6	15	58-120	
4-Chloro-3-methylphenol	2870	2190	76	3	27	49-125	
4-Chloroaniline	2870	1160	40	8	22	38-120	
4-Chlorophenyl phenyl ether	2870	2350	82	7	16	63-124	
4-Methylphenol	2870	2060	72	6	24	50-120	
4-Nitroaniline	2870	1830	64	21	24	47-120	
4-Nitrophenol	5740	4210	73	14	25	31-147	
Acenaphthene	2870	2260	79	6	35	60-120	
Acenaphthylene	2870	2150	75	8	18	58-121	
Acetophenone	2870	2020	70	0	20	47-120	
Anthracene	2870	2530	88	5	15	62-120	
Atrazine	2870	1740	61	8	20	60-150	
Benzaldehyde	2870	1210	42	10	20	10-150	
Benzo[a]anthracene	2870	2670	93	1	15	65-120	
Benzo[a]pyrene	2870	2550	86	3	15	64-120	
Benzo[b]fluoranthene	2870	2470	82	0	15	10-150	
Benzo[g,h,i]perylene	2870	2830	96	4	15	45-145	
Benzo[k]fluoranthene	2870	2770	96	9	22	23-150	
Biphenyl	2870	2200	77	9	20	58-120	
bis (2-chloroisopropyl) ether	2870	1860	65	9	24	31-120	
Bis(2-chloroethoxy)methane	2870	2200	77	1	17	52-120	
Bis(2-chloroethyl)ether	2870	1930	67	5	21	45-120	
Bis(2-ethylhexyl) phthalate	2870	2480	86	7	15	61-133	
Butyl benzyl phthalate	2870	2460	86	6	16	61-120	
Caprolactam	2870	1490	52	5	20	37-133	
Carbazole	2870	2560	89	4	20	59-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X000000365325.d

Lab ID: 480-232238-5 MSD Client ID: SB-04-CONF-D-1Ft MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Chrysene	2870	2810	95	5	15	64-120	
Dibenz(a,h)anthracene	2870	2660	93	2	15	54-132	
Dibenzofuran	2870	2300	80	3	15	62-120	
Diethyl phthalate	2870	2220	77	4	15	66-120	
Dimethyl phthalate	2870	2160	75	10	15	65-124	
Di-n-butyl phthalate	2870	2370	83	4	15	58-130	
Di-n-octyl phthalate	2870	2570	89	5	16	57-133	
Fluoranthene	2870	3250	108	26	15	62-120	F2
Fluorene	2870	2340	81	0	15	63-120	
Hexachlorobenzene	2870	2340	81	8	15	60-120	
Hexachlorobutadiene	2870	2190	76	6	44	45-120	
Hexachlorocyclopentadiene	2870	2000	70	10	49	31-120	
Hexachloroethane	2870	2010	70	10	46	21-120	
Indeno[1,2,3-cd]pyrene	2870	2630	90	5	15	56-134	
Isophorone	2870	2030	71	6	17	56-120	
Naphthalene	2870	2350	82	4	29	46-120	
Nitrobenzene	2870	2230	78	2	24	49-120	
N-Nitrosodi-n-propylamine	2870	2080	73	3	31	46-120	
Pentachlorophenol	5740	3950	69	5	35	10-136	
Phenanthrene	2870	3330	116	24	15	60-122	F2
Phenol	2870	1940	67	4	35	50-120	
Pyrene	2870	3050	102	7	35	61-133	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab File ID: X000000365322.d Lab Sample ID: MB 480-755889/1-A

Matrix: Solid Date Extracted: 09/03/2025 13:20

Instrument ID: HP5973X Date Analyzed: 09/04/2025 12:00

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-755889/2-A	X000000365323.d	09/04/2025 12:25
SB-04-CONF-D-1Ft MS	480-232238-5 MS	X000000365324.d	09/04/2025 12:50
SB-04-CONF-D-1Ft MSD	480-232238-5 MSD	X000000365325.d	09/04/2025 13:14
SB-04-CONF-D-1Ft	480-232238-5	X000000365326.d	09/04/2025 13:39
SB-04-CONF-N-1Ft	480-232238-1	X000000365327.d	09/04/2025 14:04
SB-04-CONF-E-1Ft	480-232238-2	X000000365328.d	09/04/2025 14:29
SB-04-CONF-S-1Ft	480-232238-3	X000000365329.d	09/04/2025 14:54
SB-04-CONF-W-1Ft	480-232238-4	X000000365330.d	09/04/2025 15:19

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab File ID: X000000364735.d DFTPP Injection Date: 07/30/2025

Instrument ID: HP5973X DFTPP Injection Time: 09:31

Analysis Batch No.: 752954

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	50.4	
68	Less than 2% of mass 69	0.4	(0.7) 1
69	Mass 69 Relative abundance	62.9	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	50.5	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.0	
275	10-60% of Base Peak	29.3	
365	Greater than 1% of mass 198	5.4	
441	present but less than 24% of mass 442	15.9	(19.0) 2
442	Greater than 50% of mass 198	83.8	
443	15-24% of mass 442	16.3	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-752954/3	X000000364736	07/30/2025	9:55
	IC 480-752954/4	X000000364737	07/30/2025	10:20
	IC 480-752954/5	X000000364738	07/30/2025	10:45
	IC 480-752954/6	X000000364739	07/30/2025	11:09
	IC 480-752954/7	X000000364740	07/30/2025	11:34
	ICIS 480-752954/8	X000000364741	07/30/2025	11:59
	IC 480-752954/9	X000000364742	07/30/2025	12:23
	IC 480-752954/10	X000000364743	07/30/2025	12:48
	ICV 480-752954/11	X000000364744	07/30/2025	13:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab File ID: X000000365319.d DFTPP Injection Date: 09/04/2025

Instrument ID: HP5973X DFTPP Injection Time: 10:46

Analysis Batch No.: 755980

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	40.2	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	50.3	
70	Less than 2% of mass 69	0.7	(1.3) 1
127	10-80% of Base Peak	45.0	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.7	
275	10-60% of Base Peak	29.3	
365	Greater than 1% of mass 198	7.1	
441	present but less than 24% of mass 442	13.2	(15.2) 2
442	Greater than 50% of mass 198	87.4	
443	15-24% of mass 442	16.4	(18.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-755980/3	X000000365320	09/04/2025	11:11
	MB 480-755889/1-A	X000000365322	09/04/2025	12:00
	LCS 480-755889/2-A	X000000365323	09/04/2025	12:25
SB-04-CONF-D-1Ft MS	480-232238-5 MS	X000000365324	09/04/2025	12:50
SB-04-CONF-D-1Ft MSD	480-232238-5 MSD	X000000365325	09/04/2025	13:14
SB-04-CONF-D-1Ft	480-232238-5	X000000365326	09/04/2025	13:39
SB-04-CONF-N-1Ft	480-232238-1	X000000365327	09/04/2025	14:04
SB-04-CONF-E-1Ft	480-232238-2	X000000365328	09/04/2025	14:29
SB-04-CONF-S-1Ft	480-232238-3	X000000365329	09/04/2025	14:54
SB-04-CONF-W-1Ft	480-232238-4	X000000365330	09/04/2025	15:19

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Sample No.: ICIS 480-752954/8 Date Analyzed: 07/30/2025 11:59

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364741.d Heated Purge: (Y/N) N

Calibration ID: 48653

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		165100	5.69	572551	7.23	340780	9.29
UPPER LIMIT		330200	6.19	1145102	7.73	681560	9.79
LOWER LIMIT		82550	5.19	286276	6.73	170390	8.79
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-752954/11		172019	5.69	574798	7.23	359645	9.28
CCVIS 480-755980/3		249685	5.60	845458	7.15	539438	9.20

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Sample No.: ICIS 480-752954/8 Date Analyzed: 07/30/2025 11:59

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000364741.d Heated Purge: (Y/N) N

Calibration ID: 48653

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		682524	10.90	707002	13.29	792103	14.45
UPPER LIMIT		1365048	11.40	1414004	13.79	1584206	14.95
LOWER LIMIT		341262	10.40	353501	12.79	396052	13.95
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 480-752954/11		699306	10.90	722375	13.28	810651	14.45
CCVIS 480-755980/3		1042442	10.83	1028089	13.22	1197038	14.38

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Sample No.: CCVIS 480-755980/3 Date Analyzed: 09/04/2025 11:11

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000365320.d Heated Purge: (Y/N) N

Calibration ID: 48719

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		249685	5.60	845458	7.15	539438	9.20
UPPER LIMIT		499370	6.10	1690916	7.65	1078876	9.70
LOWER LIMIT		124843	5.10	422729	6.65	269719	8.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-755889/1-A		328678	5.60	1061583	7.15	640970	9.20
LCS 480-755889/2-A		238118	5.60	748298	7.15	475676	9.21
480-232238-5 MS	SB-04-CONF-D-1Ft MS	221976	5.60	758706	7.15	452781	9.21
480-232238-5 MSD	SB-04-CONF-D-1Ft MSD	232564	5.60	754787	7.15	483066	9.21
480-232238-5	SB-04-CONF-D-1Ft	245421	5.60	761133	7.15	446826	9.21
480-232238-1	SB-04-CONF-N-1Ft	284582	5.60	936383	7.15	567210	9.21
480-232238-2	SB-04-CONF-E-1Ft	311042	5.60	940629	7.15	508320	9.21
480-232238-3	SB-04-CONF-S-1Ft	259267	5.60	829993	7.15	517871	9.21
480-232238-4	SB-04-CONF-W-1Ft	219527	5.61	716618	7.15	453474	9.21

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Sample No.: CCVIS 480-755980/3 Date Analyzed: 09/04/2025 11:11

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X000000365320.d Heated Purge: (Y/N) N

Calibration ID: 48719

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1042442	10.83	1028089	13.22	1197038	14.38
UPPER LIMIT		2084884	11.33	2056178	13.72	2394076	14.88
LOWER LIMIT		521221	10.33	514045	12.72	598519	13.88
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-755889/1-A		1160660	10.83	1003459	13.22	1075071	14.38
LCS 480-755889/2-A		912829	10.83	934613	13.22	1006375	14.38
480-232238-5 MS	SB-04-CONF-D-1Ft MS	851709	10.83	813901	13.22	977682	14.38
480-232238-5 MSD	SB-04-CONF-D-1Ft MSD	855936	10.84	860776	13.22	1022558	14.38
480-232238-5	SB-04-CONF-D-1Ft	793496	10.83	754890	13.22	931836	14.38
480-232238-1	SB-04-CONF-N-1Ft	1076109	10.83	1117165	13.22	1235709	14.38
480-232238-2	SB-04-CONF-E-1Ft	845821	10.83	683027	13.22	847050	14.38
480-232238-3	SB-04-CONF-S-1Ft	1015298	10.84	1029115	13.22	1212515	14.38
480-232238-4	SB-04-CONF-W-1Ft	865151	10.84	885288	13.22	1095287	14.38

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-N-1Ft | Lab Sample ID: 480-232238-1

Matrix: Solid | Lab File ID: X000000365327.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:05

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.16(g) | Date Analyzed: 09/04/2025 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 13.1 % Solids: 86.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		970	200
88-06-2	2,4,6-Trichlorophenol	ND		970	150
120-83-2	2,4-Dichlorophenol	ND		970	190
105-67-9	2,4-Dimethylphenol	ND		970	200
51-28-5	2,4-Dinitrophenol	ND		9500	180
121-14-2	2,4-Dinitrotoluene	ND		970	130
606-20-2	2,6-Dinitrotoluene	ND		970	140
91-58-7	2-Chloronaphthalene	ND		970	180
95-57-8	2-Chlorophenol	ND		970	150
91-57-6	2-Methylnaphthalene	ND		970	150
95-48-7	2-Methylphenol	ND		970	160
88-74-4	2-Nitroaniline	ND		1900	160
88-75-5	2-Nitrophenol	ND		970	110
91-94-1	3,3'-Dichlorobenzidine	ND		1900	280
99-09-2	3-Nitroaniline	ND		1900	140
534-52-1	4,6-Dinitro-2-methylphenol	ND		1900	210
101-55-3	4-Bromophenyl phenyl ether	ND		970	160
59-50-7	4-Chloro-3-methylphenol	ND		970	200
106-47-8	4-Chloroaniline	ND		970	140
7005-72-3	4-Chlorophenyl phenyl ether	ND		970	200
106-44-5	4-Methylphenol	ND		1900	170
100-01-6	4-Nitroaniline	ND		1900	140
100-02-7	4-Nitrophenol	ND		1900	260
83-32-9	Acenaphthene	ND		970	180
208-96-8	Acenaphthylene	ND		970	190
98-86-2	Acetophenone	ND		970	170
120-12-7	Anthracene	ND		970	180
1912-24-9	Atrazine	ND		970	330
100-52-7	Benzaldehyde	ND		970	730
56-55-3	Benzo[a]anthracene	340	J	970	130
50-32-8	Benzo[a]pyrene	430	J	970	160

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-N-1Ft | Lab Sample ID: 480-232238-1

Matrix: Solid | Lab File ID: X000000365327.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:05

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.16(g) | Date Analyzed: 09/04/2025 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 13.1 % Solids: 86.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	640	J	970	130
191-24-2	Benzo[g,h,i]perylene	400	J	970	170
207-08-9	Benzo[k]fluoranthene	ND		970	220
92-52-4	Biphenyl	ND		970	180
108-60-1	bis (2-chloroisopropyl) ether	ND		970	200
111-91-1	Bis(2-chloroethoxy)methane	ND		970	180
111-44-4	Bis(2-chloroethyl)ether	ND		970	180
117-81-7	Bis(2-ethylhexyl) phthalate	ND		970	210
85-68-7	Butyl benzyl phthalate	ND		970	180
105-60-2	Caprolactam	ND		970	220
86-74-8	Carbazole	ND		970	190
218-01-9	Chrysene	540	J	970	230
53-70-3	Dibenz(a,h)anthracene	ND		970	190
132-64-9	Dibenzofuran	ND		970	170
84-66-2	Diethyl phthalate	ND		970	170
131-11-3	Dimethyl phthalate	ND		970	190
84-74-2	Di-n-butyl phthalate	ND		970	220
117-84-0	Di-n-octyl phthalate	ND		970	180
206-44-0	Fluoranthene	860	J	970	180
86-73-7	Fluorene	ND		970	180
118-74-1	Hexachlorobenzene	ND		970	190
87-68-3	Hexachlorobutadiene	ND		970	140
77-47-4	Hexachlorocyclopentadiene	ND		1900	420
67-72-1	Hexachloroethane	ND		970	180
193-39-5	Indeno[1,2,3-cd]pyrene	300	J	970	140
78-59-1	Isophorone	ND		970	200
91-20-3	Naphthalene	ND		970	160
98-95-3	Nitrobenzene	ND		970	160
621-64-7	N-Nitrosodi-n-propylamine	ND		970	220
86-30-6	N-Nitrosodiphenylamine	ND		970	160
87-86-5	Pentachlorophenol	ND		1900	310

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-N-1Ft | Lab Sample ID: 480-232238-1

Matrix: Solid | Lab File ID: X000000365327.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:05

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.16(g) | Date Analyzed: 09/04/2025 14:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 13.1 % Solids: 86.9 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	430	J	970	180
108-95-2	Phenol	ND		970	180
129-00-0	Pyrene	660	J	970	180

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	93		10-140
321-60-8	2-Fluorobiphenyl	76		29-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	75		22-120
4165-62-2	Phenol-d5	72		23-120
1718-51-0	p-Terphenyl-d14	84		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d
Lims ID: 480-232238-A-1-A
Client ID: SB-04-CONF-N-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 14:04:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0125143-010
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:54:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	97	284582	40.0	
* 2 Naphthalene-d8	136	7.150	7.145	0.005	98	936383	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	94	567210	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	99	1076109	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	98	1117165	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	100	1235709	40.0	
$ 7 2-Fluorophenol	112	3.891	3.886	0.005	86	53017	5.42	
$ 8 Phenol-d5	99	5.200	5.195	0.005	77	79349	5.77	
$ 9 Nitrobenzene-d5	82	6.290	6.285	0.005	87	83318	5.96	
$ 10 2-Fluorobiphenyl	172	8.432	8.432	0.000	96	131821	6.06	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	89	28216	7.44	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	95	196190	6.73	
27 Benzaldehyde	77		5.034				ND	
28 Phenol	94		5.211				ND	
31 Bis(2-chloroethyl)ether	93		5.280				ND	
32 2-Chlorophenol	128		5.344				ND	
42 2,2'-oxybis[1-chloropropane]	45		5.964				ND	
40 2-Methylphenol	108		5.964				ND	
45 Acetophenone	105		6.108				ND	
47 N-Nitrosodi-n-propylamine	70		6.124				ND	
46 4-Methylphenol	108		6.162				ND	
50 Hexachloroethane	117		6.220				ND	
52 Nitrobenzene	77		6.311				ND	
56 Isophorone	82		6.605				ND	
58 2-Nitrophenol	139		6.696				ND	
59 2,4-Dimethylphenol	107		6.792				ND	
62 Bis(2-chloroethoxy)methane	93		6.888				ND	
65 2,4-Dichlorophenol	162		7.000				ND	
69 Naphthalene	128		7.171				ND	
71 4-Chloroaniline	127		7.257				ND	
73 Hexachlorobutadiene	225		7.342				ND	
78 Caprolactam	113		7.700				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107		7.871				ND	
82 2-Methylnaphthalene	142		7.989				ND	
84 Hexachlorocyclopentadiene	237		8.192				ND	
86 2,4,6-Trichlorophenol	196		8.341				ND	
87 2,4,5-Trichlorophenol	196		8.395				ND	
90 1,1'-Biphenyl	154		8.544				ND	
91 2-Chloronaphthalene	162		8.555				ND	
93 2-Nitroaniline	65		8.689				ND	
96 Dimethyl phthalate	163		8.918				ND	
99 2,6-Dinitrotoluene	165		8.977				ND	
100 Acenaphthylene	152		9.036				ND	
101 3-Nitroaniline	138		9.169				ND	
102 Acenaphthene	153		9.239				ND	
103 2,4-Dinitrophenol	184		9.292				ND	
104 4-Nitrophenol	109		9.420				ND	
107 Dibenzofuran	168		9.442				ND	
106 2,4-Dinitrotoluene	165		9.447				ND	
112 Diethyl phthalate	149		9.746				ND	
115 Fluorene	166		9.837				ND	
116 4-Chlorophenyl phenyl ether	204		9.853				ND	
118 4-Nitroaniline	138		9.880				ND	
119 4,6-Dinitro-2-methylphenol	198		9.917				ND	
120 N-Nitrosodiphenylamine	169		9.987				ND	
130 4-Bromophenyl phenyl ether	248		10.382				ND	
131 Hexachlorobenzene	284		10.446				ND	
133 Atrazine	200		10.580				ND	
134 Pentachlorophenol	266		10.660				ND	
141 Phenanthrene	178	10.858	10.852	0.006	92	34499	1.14	
142 Anthracene	178	10.906	10.906	0.000	60	4370	0.1422	
143 Carbazole	167		11.077				ND	
145 Di-n-butyl phthalate	149		11.429				ND	
152 Fluoranthene	202	11.979	11.979	0.000	98	80059	2.26	
155 Pyrene	202	12.182	12.182	0.000	95	64354	1.74	
162 Butyl benzyl phthalate	149		12.749				ND	
166 3,3'-Dichlorobenzidine	252		13.197				ND	
167 Benzo[a]anthracene	228	13.214	13.214	0.001	46	37365	0.8940	a
172 Bis(2-ethylhexyl) phthalate	149		13.235				ND	
169 Chrysene	228	13.246	13.245	0.001	95	48923	1.43	
168 Di-n-octyl phthalate	149		13.758				ND	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	94	61646	1.69	M
175 Benzo[k]fluoranthene	252	14.095	14.095	-0.011	1	22930	0.4569	M
177 Benzo[a]pyrene	252	14.330	14.335	-0.005	96	34949	1.13	
180 Indeno[1,2,3-cd]pyrene	276	15.260	15.270	-0.010	90	33474	0.7980	
181 Dibenz(a,h)anthracene	278		15.276				ND	
182 Benzo[g,h,i]perylene	276	15.516	15.521	-0.005	96	36382	1.05	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

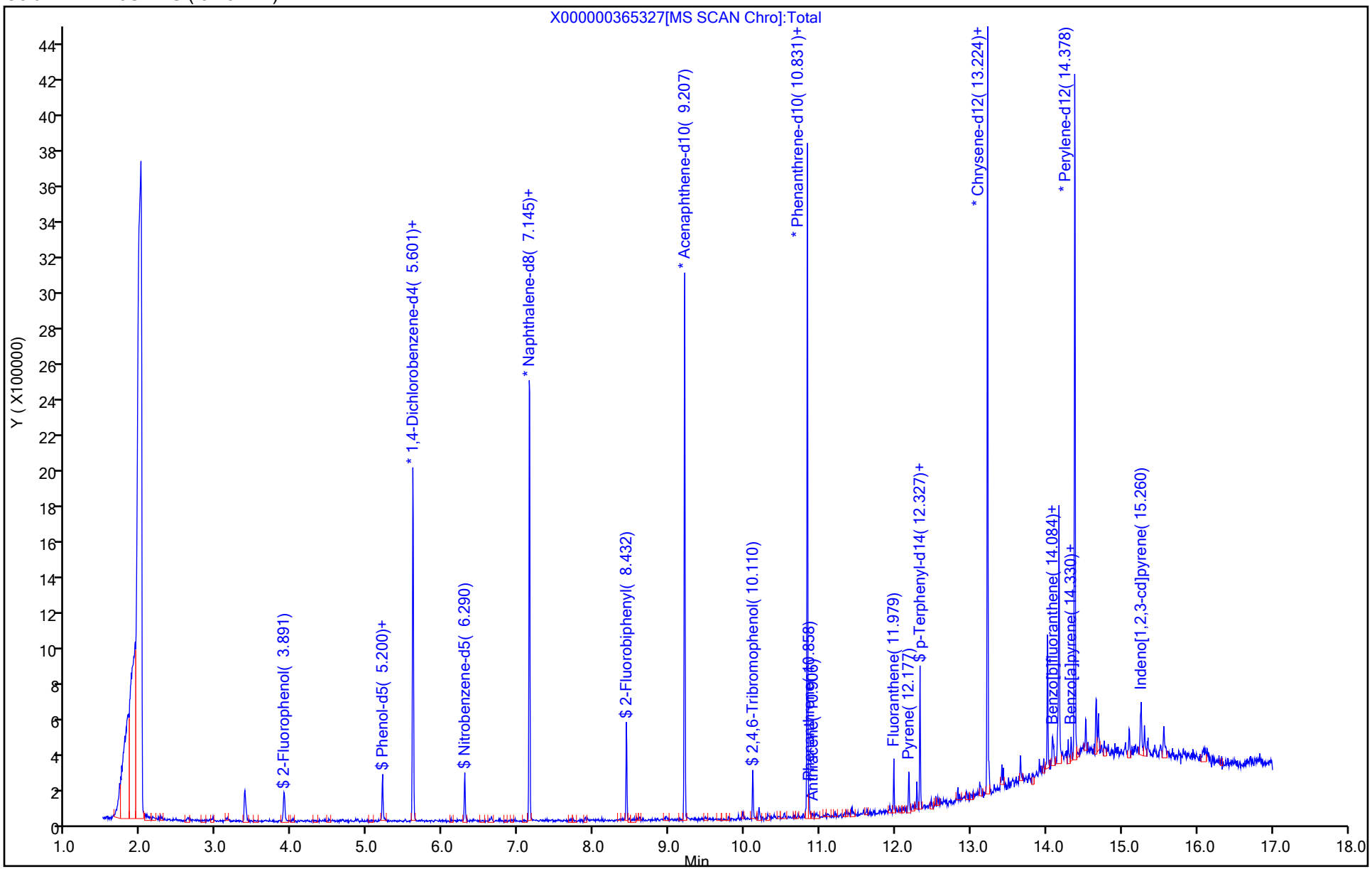
Report Date: 05-Sep-2025 08:58:41 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d

Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1	Worklist Smp#:	10
Client ID:	SB-04-CONF-N-1Ft				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	10
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d
Lims ID: 480-232238-A-1-A
Client ID: SB-04-CONF-N-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 14:04:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0125143-010
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

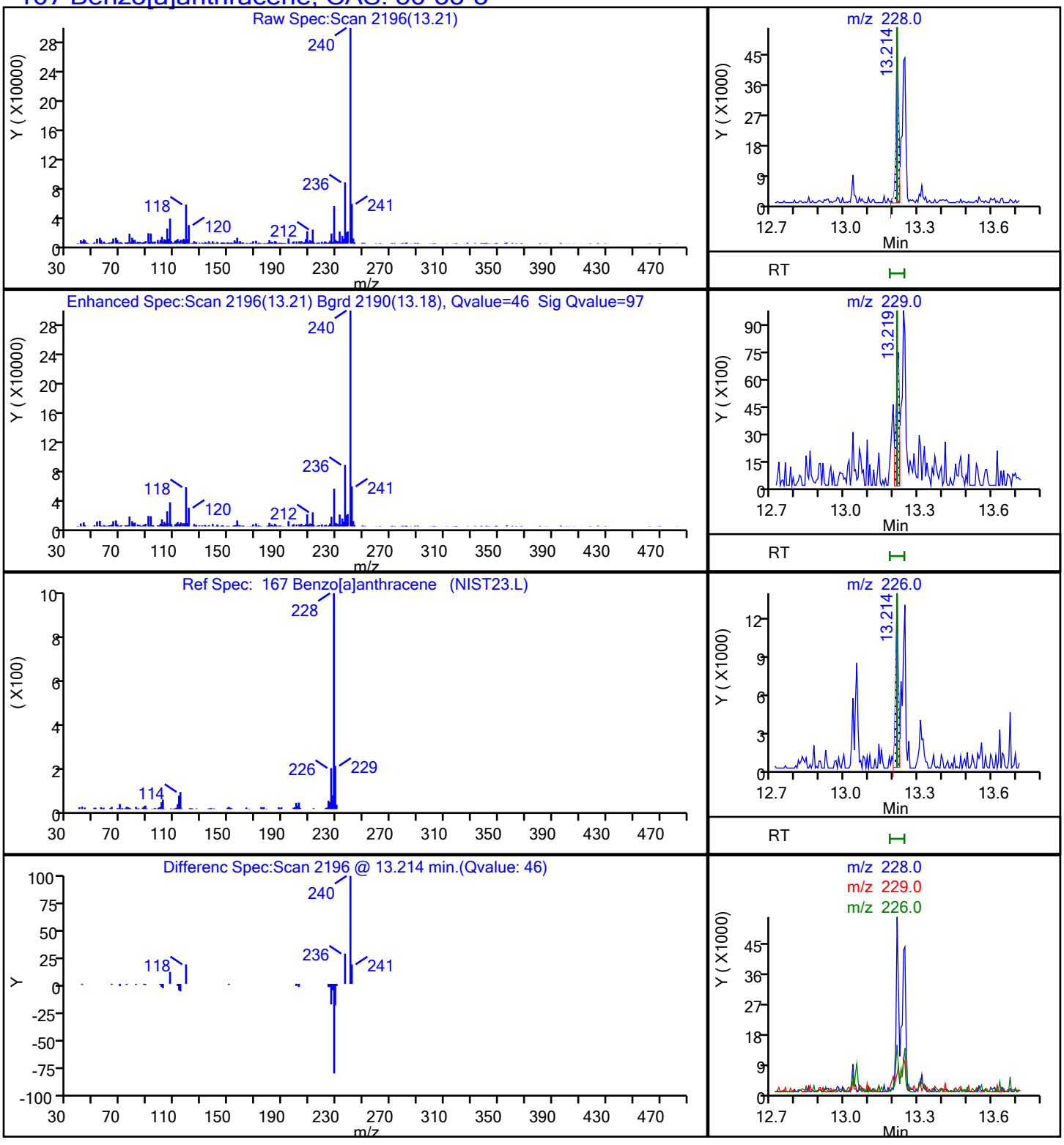
First Level Reviewer: PY8T Date: 05-Sep-2025 08:54:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	5.42	67.79
$ 8 Phenol-d5	40.0	5.77	72.14
$ 9 Nitrobenzene-d5	40.0	5.96	74.56
$ 10 2-Fluorobiphenyl	40.0	6.06	75.73
$ 11 2,4,6-Tribromophenol	40.0	7.44	93.05
$ 12 p-Terphenyl-d14	40.0	6.73	84.13

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

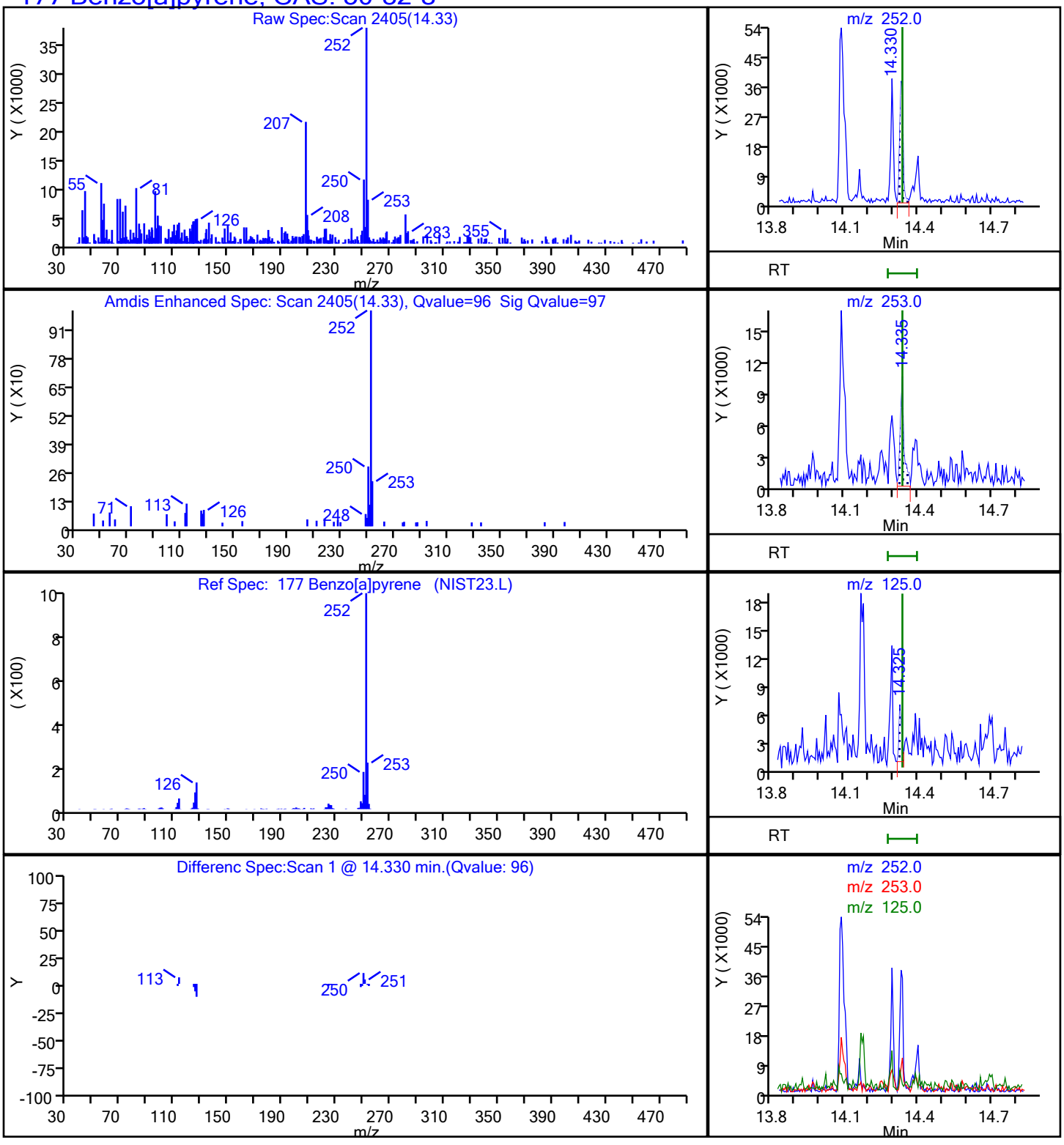
167 Benzo[a]anthracene, CAS: 56-55-3



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

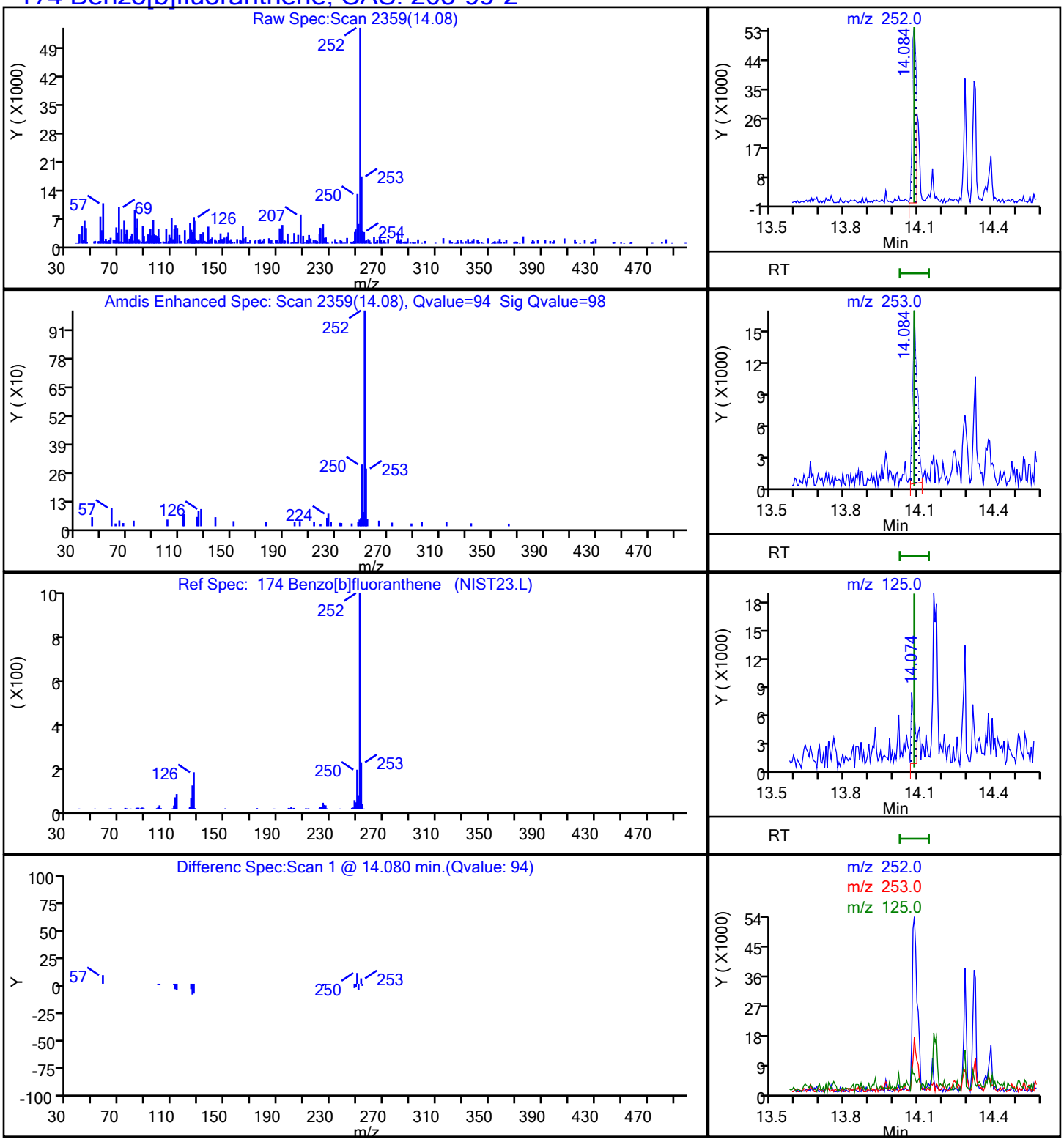
177 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

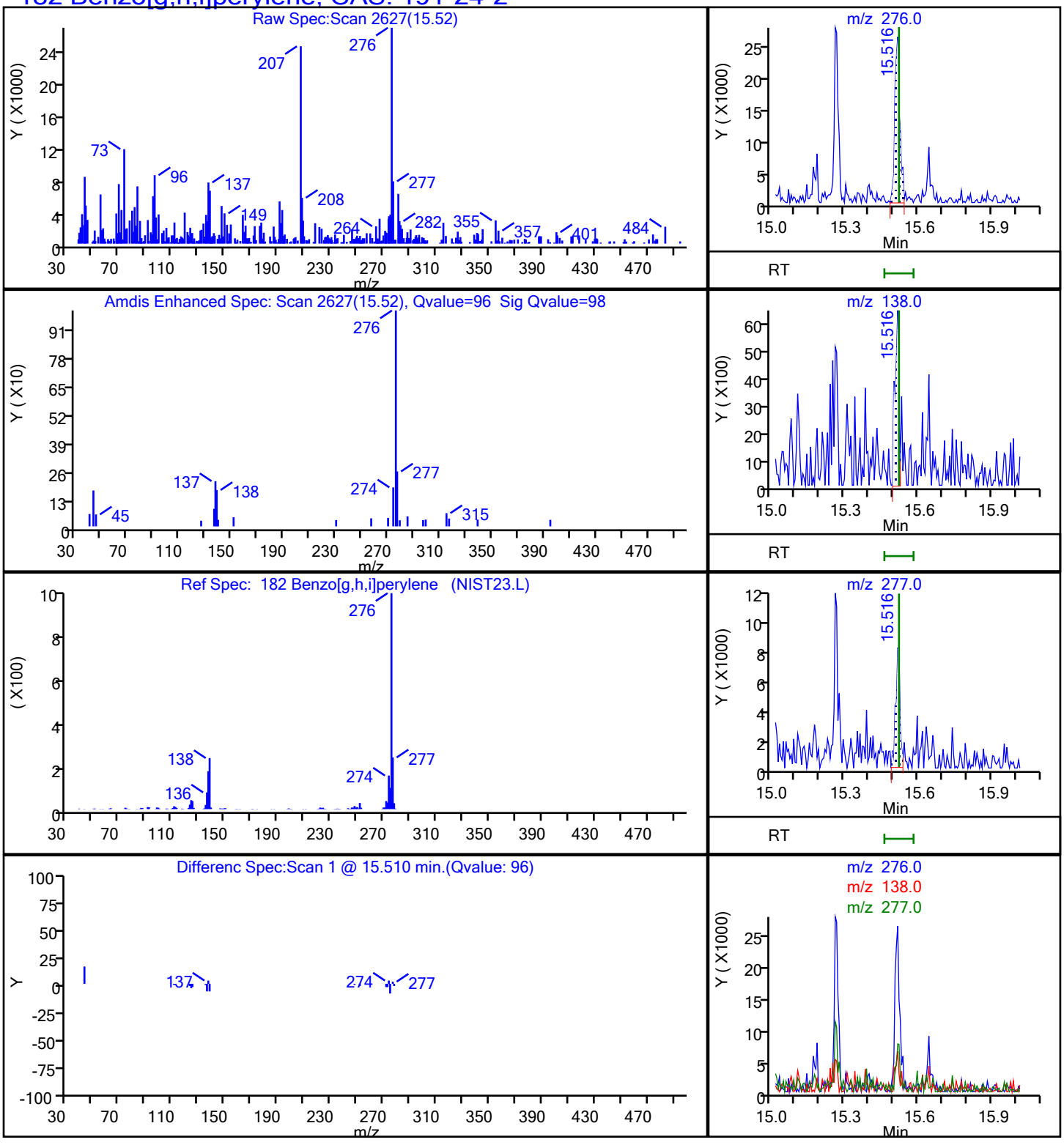
174 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

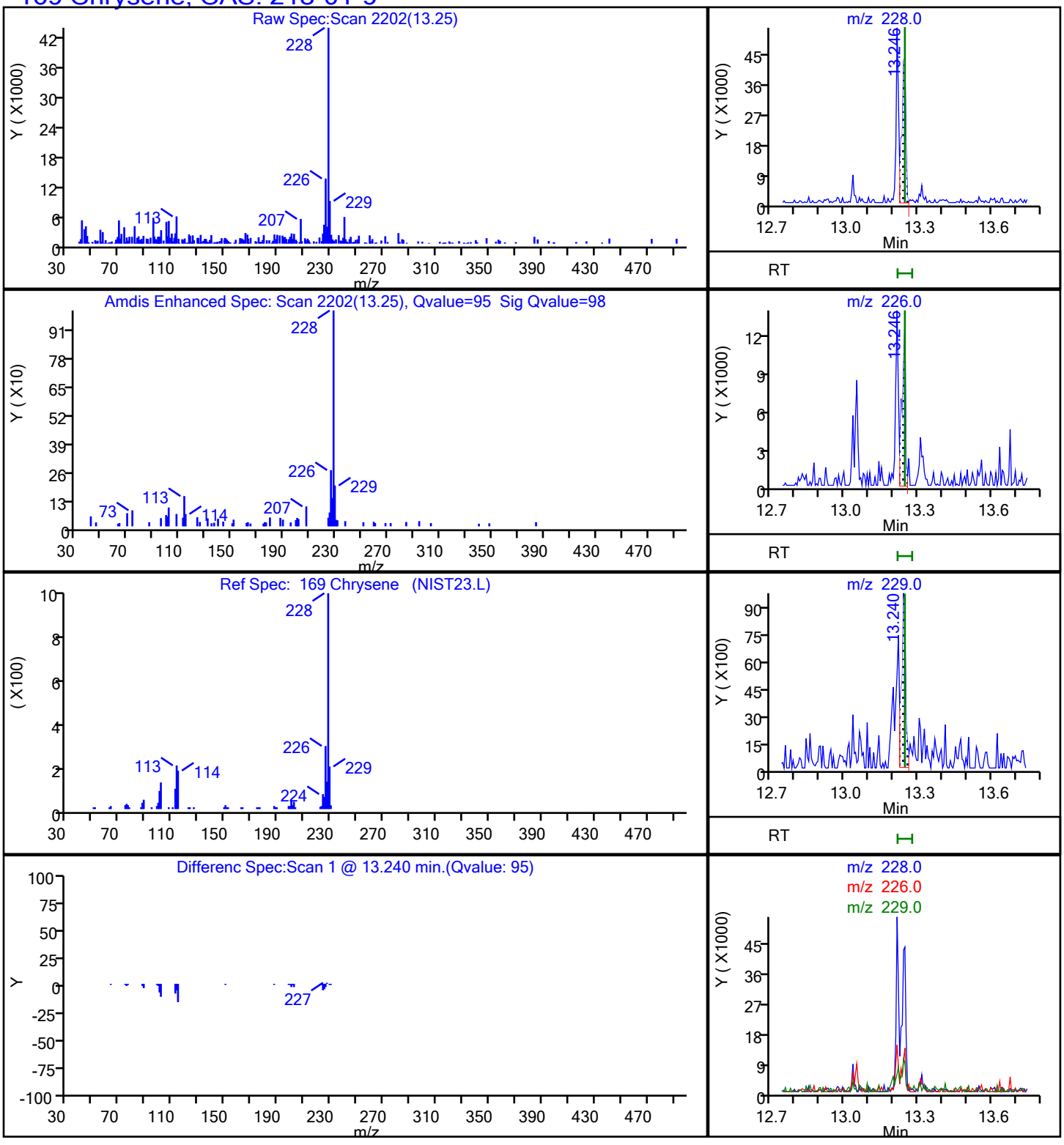
182 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

169 Chrysene, CAS: 218-01-9



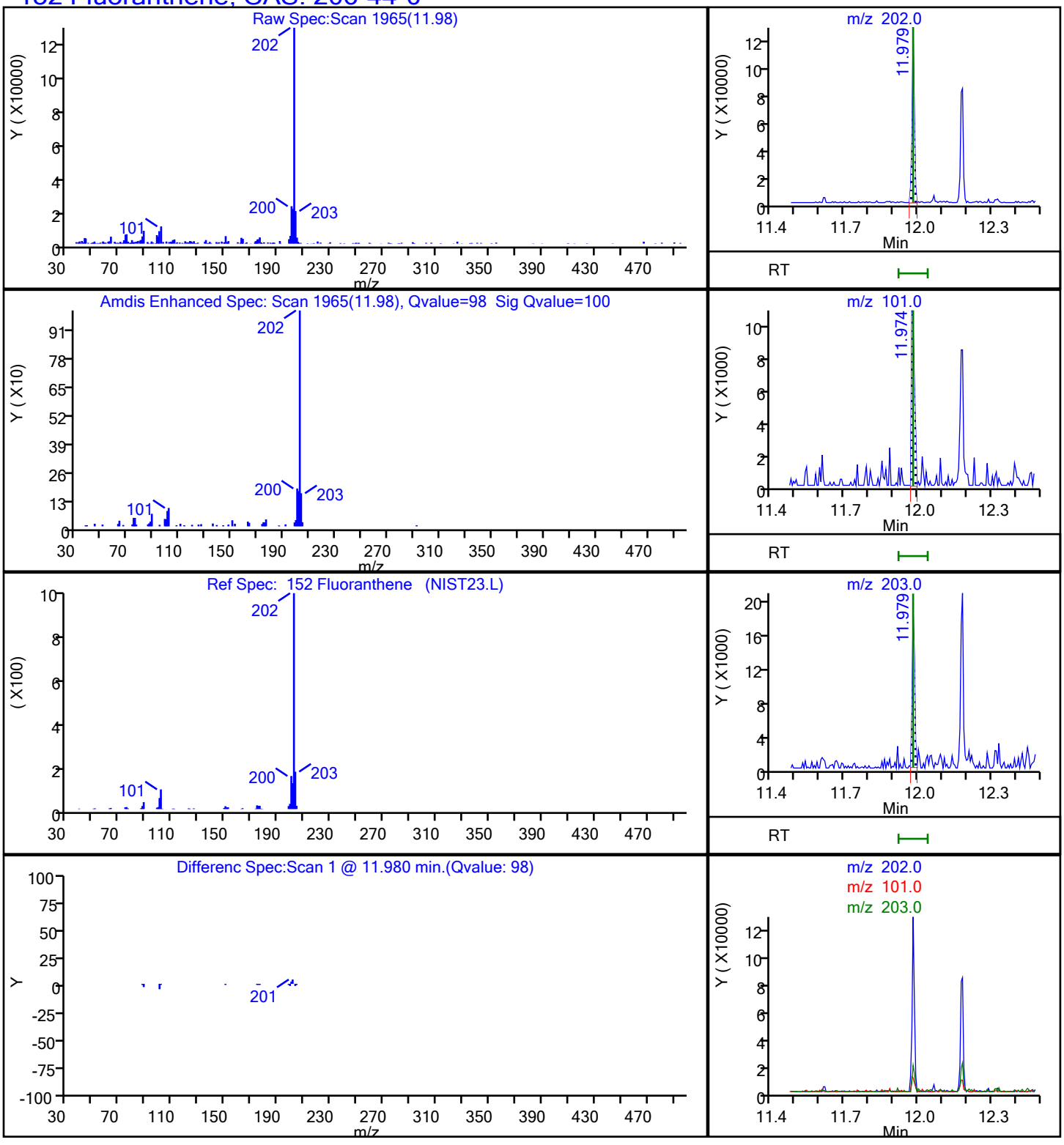
Report Date: 05-Sep-2025 08:58:42 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d

Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Fluoranthene, CAS: 206-44-0



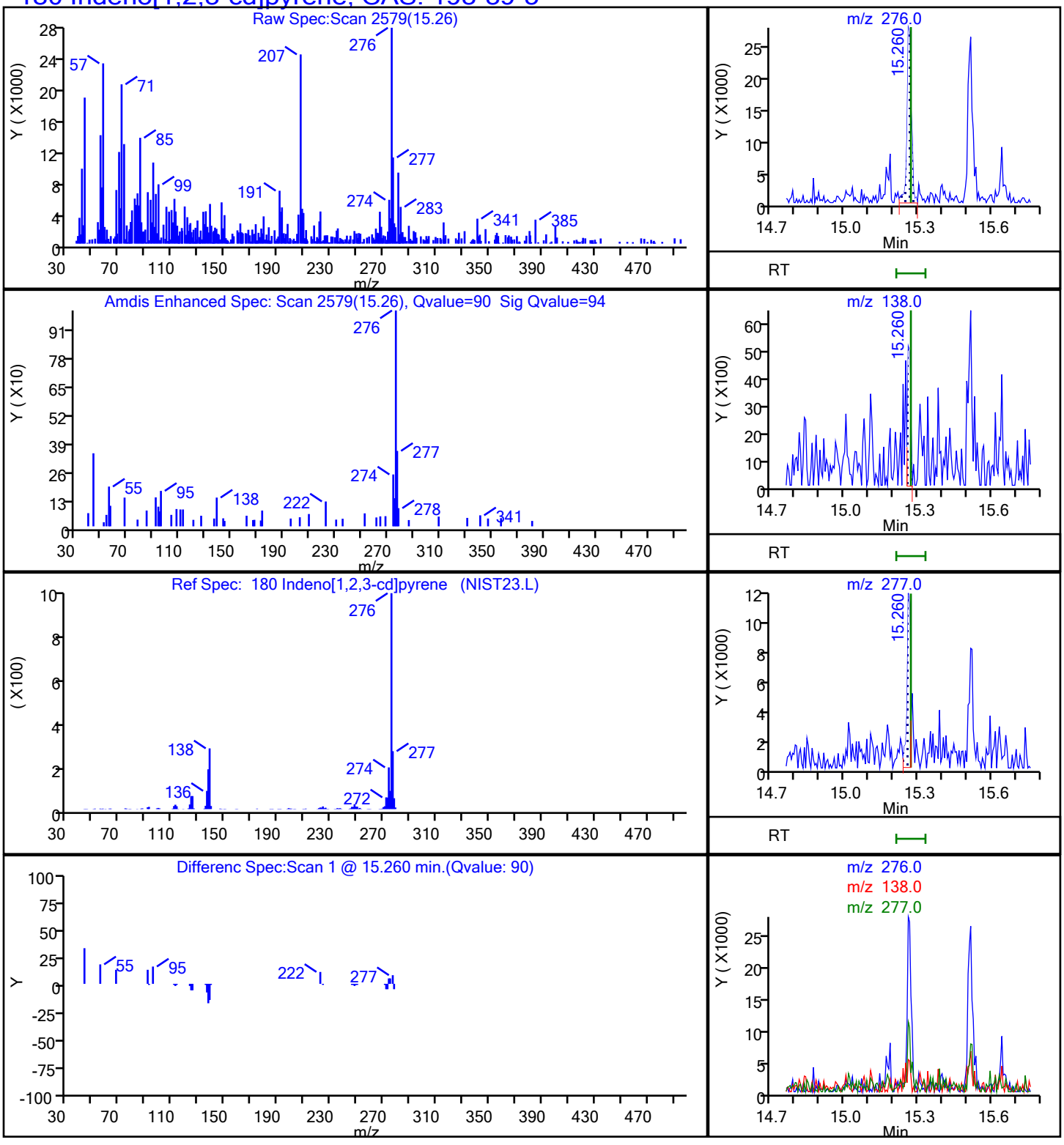
Report Date: 05-Sep-2025 08:58:42 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d

Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

180 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



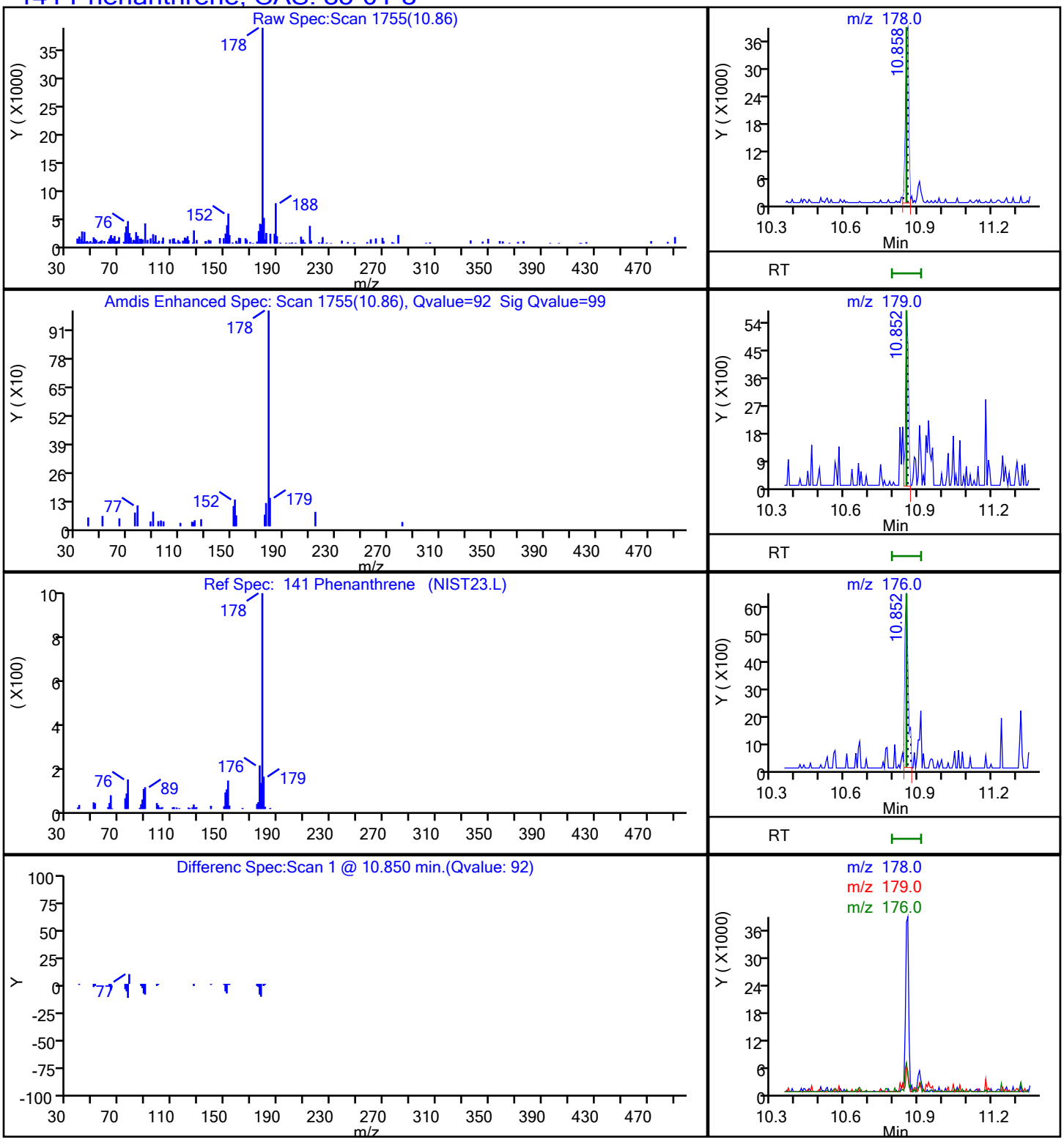
Report Date: 05-Sep-2025 08:58:41 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d

Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

141 Phenanthrene, CAS: 85-01-8



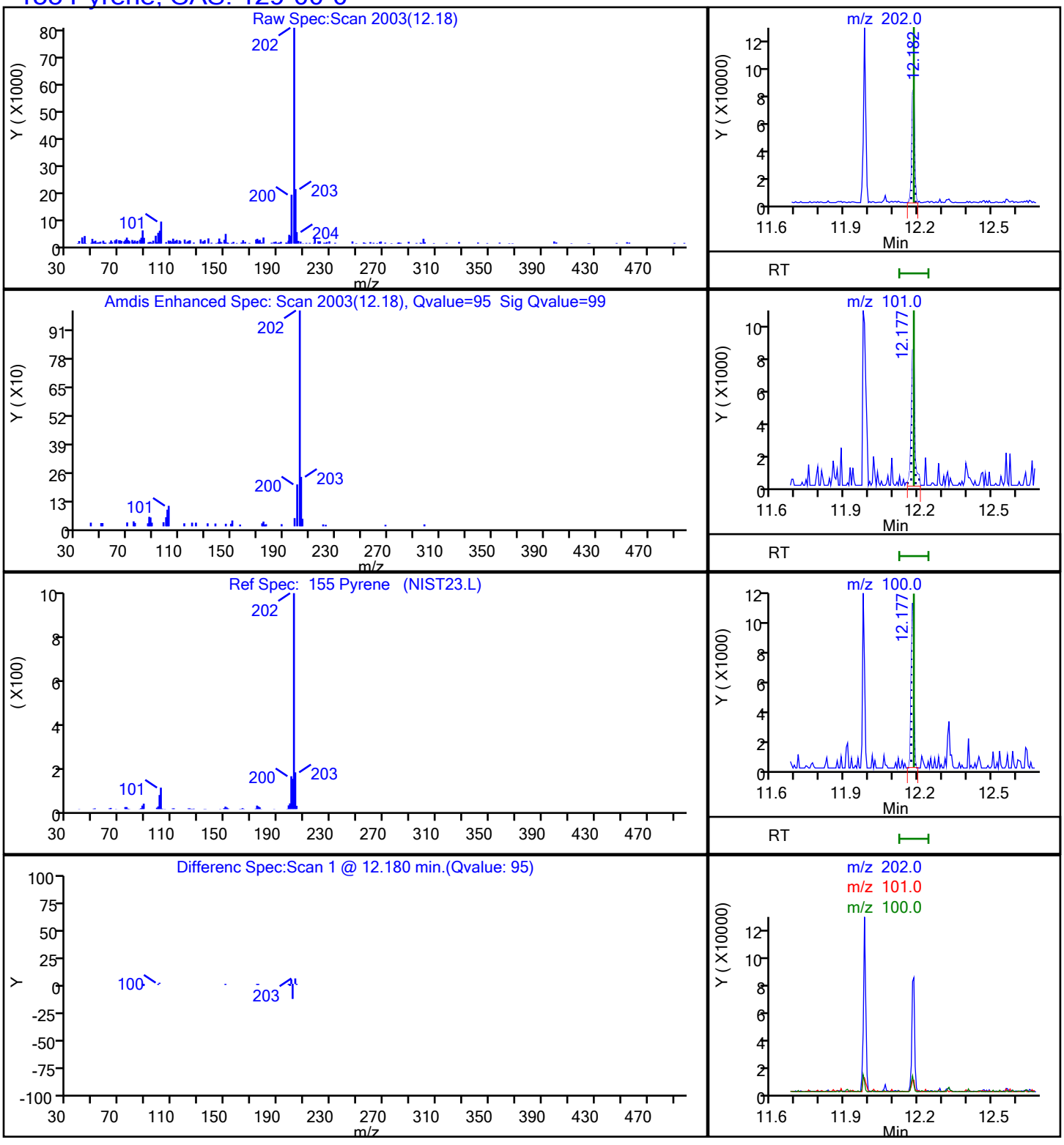
Report Date: 05-Sep-2025 08:58:42 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d

Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins Buffalo

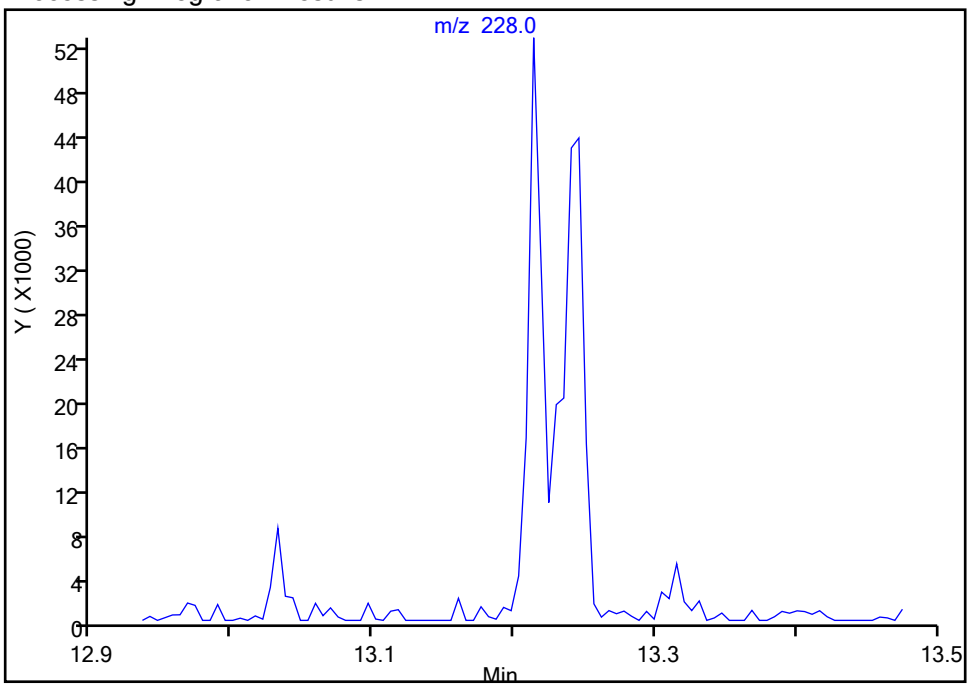
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

167 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

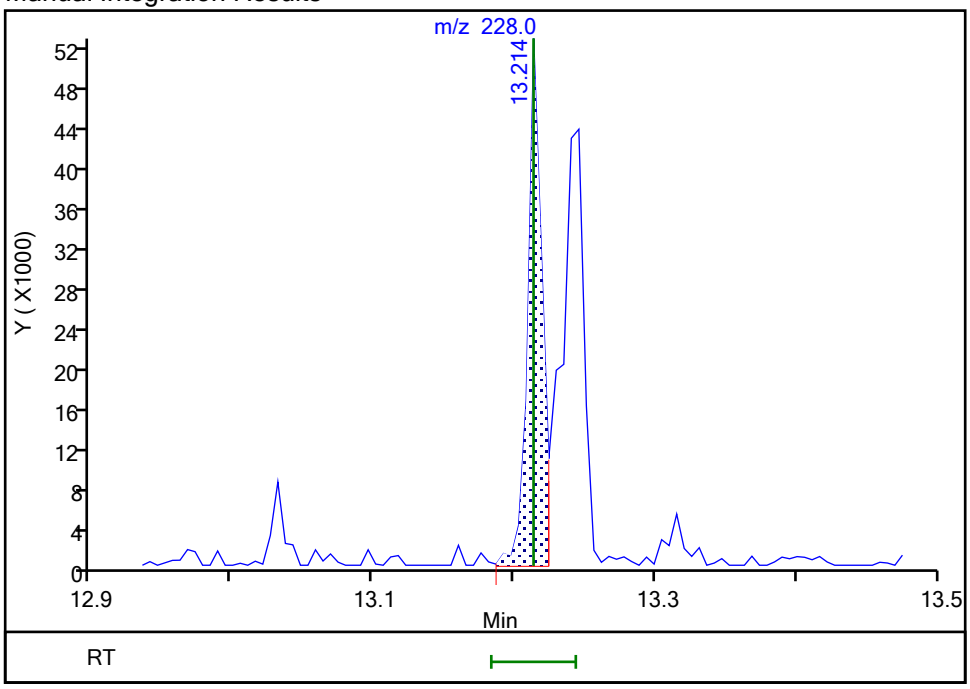
Not Detected
Expected RT: 13.21

Processing Integration Results



Manual Integration Results

RT: 13.21
Area: 37365
Amount: 0.893995
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:54:23 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo

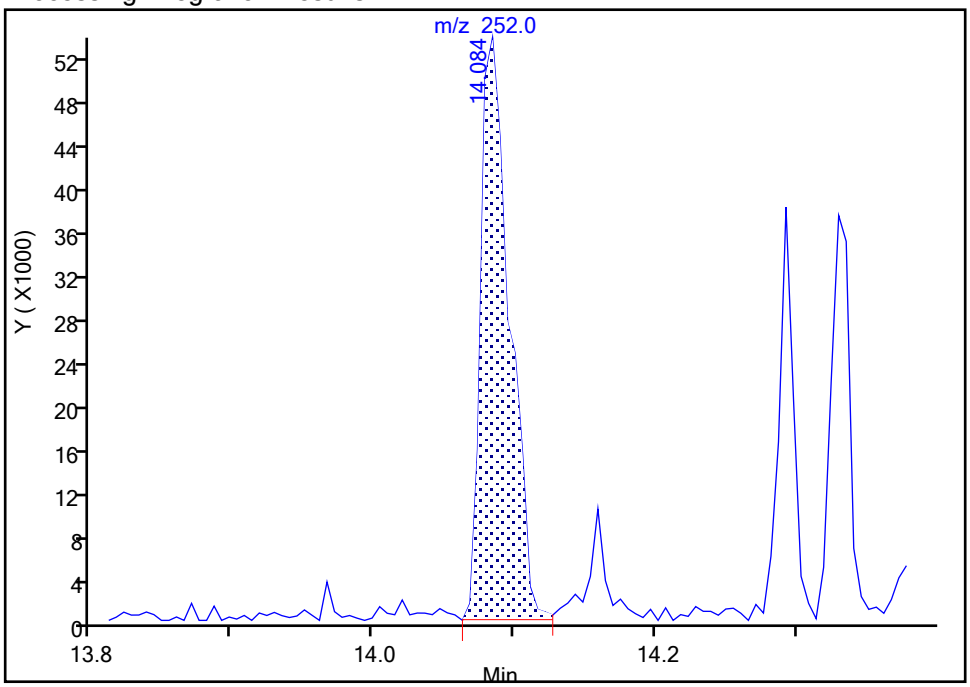
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

174 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

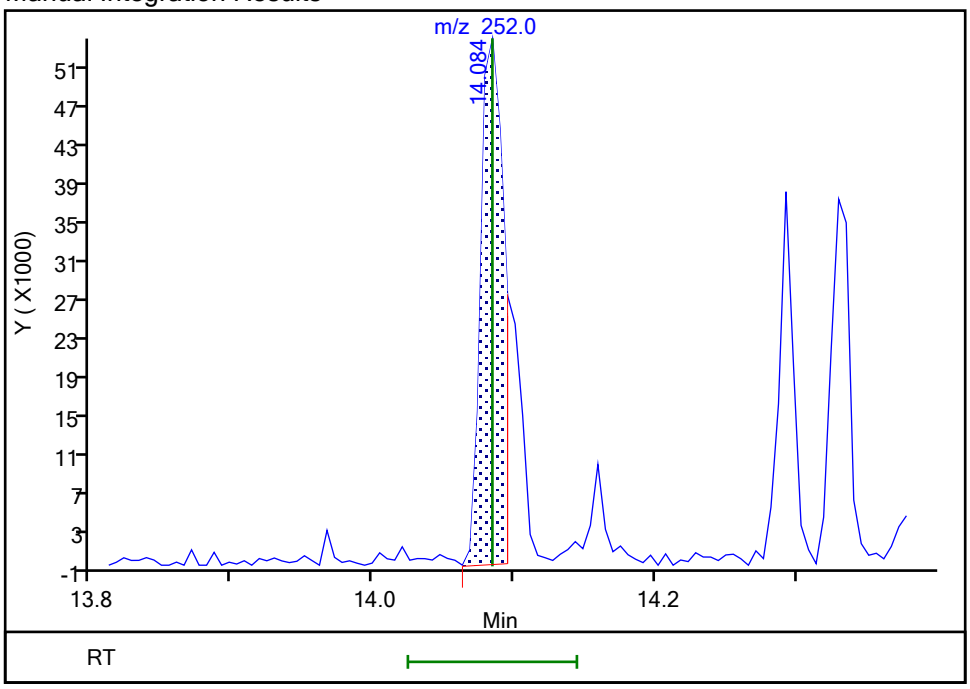
Processing Integration Results

RT: 14.08
Area: 76176
Amount: 2.057943
Amount Units: ng/uL



Manual Integration Results

RT: 14.08
Area: 61646
Amount: 1.688345
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:53:59 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo

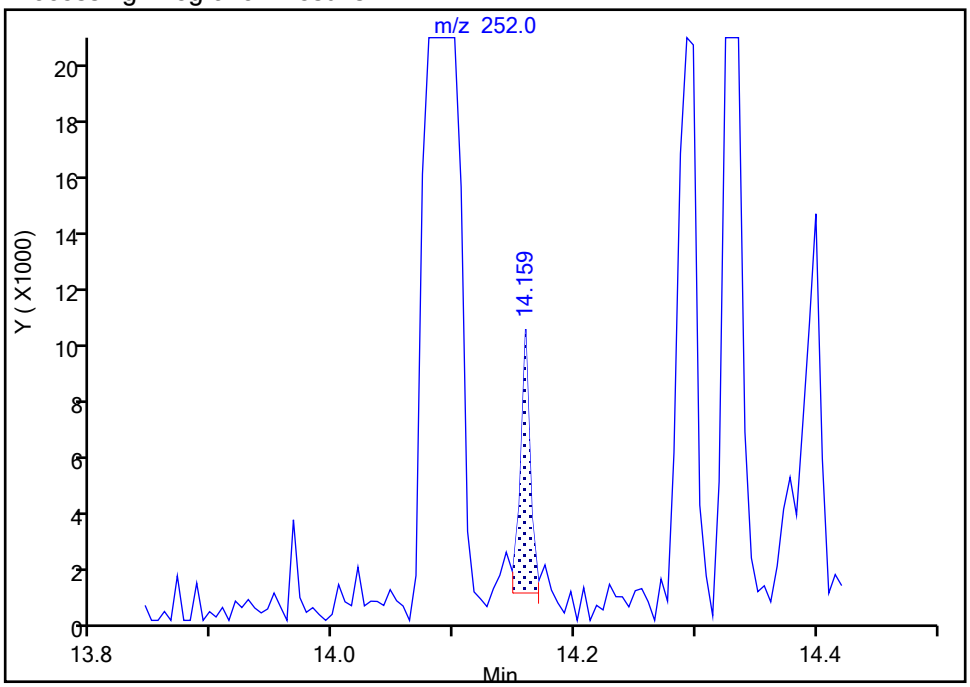
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365327.d				
Injection Date:	04-Sep-2025 14:04:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-1-A	Lab Sample ID:	480-232238-1		
Client ID:	SB-04-CONF-N-1Ft				
Operator ID:	AF	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

175 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

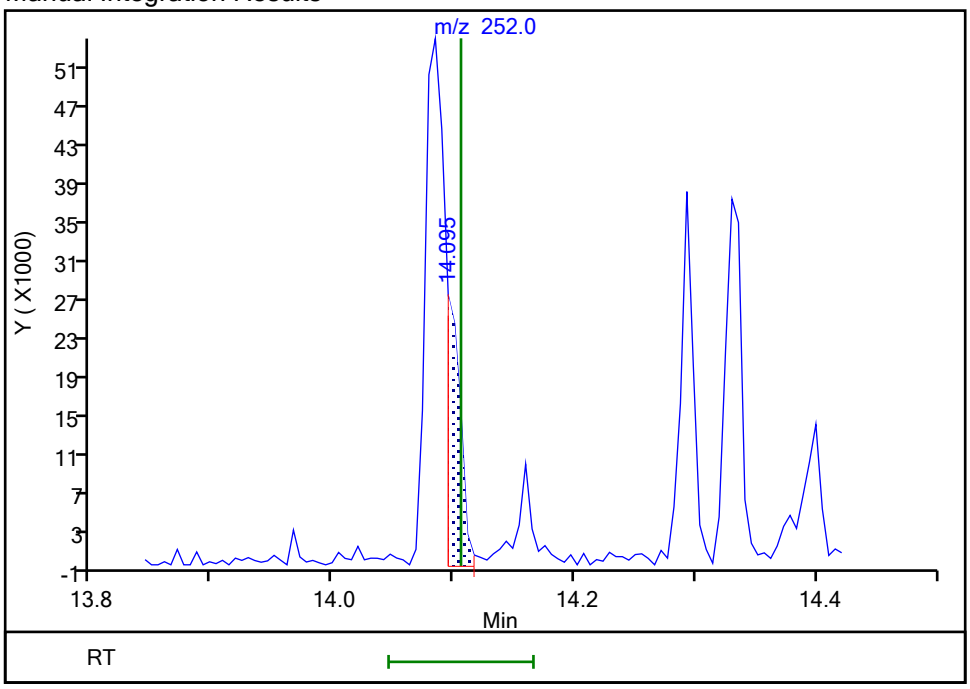
Processing Integration Results

RT: 14.16
Area: 5203
Amount: -0.029405
Amount Units: ng/uL



Manual Integration Results

RT: 14.10
Area: 22930
Amount: 0.456935
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:54:15 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-E-1Ft | Lab Sample ID: 480-232238-2

Matrix: Solid | Lab File ID: X000000365328.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:06

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.22(g) | Date Analyzed: 09/04/2025 14:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	36
88-06-2	2,4,6-Trichlorophenol	ND		180	27
120-83-2	2,4-Dichlorophenol	ND		180	35
105-67-9	2,4-Dimethylphenol	ND		180	37
51-28-5	2,4-Dinitrophenol	ND		1700	34
121-14-2	2,4-Dinitrotoluene	ND		180	24
606-20-2	2,6-Dinitrotoluene	ND		180	25
91-58-7	2-Chloronaphthalene	ND		180	33
95-57-8	2-Chlorophenol	ND		180	28
91-57-6	2-Methylnaphthalene	ND		180	28
95-48-7	2-Methylphenol	ND		180	29
88-74-4	2-Nitroaniline	ND		350	30
88-75-5	2-Nitrophenol	ND		180	20
91-94-1	3,3'-Dichlorobenzidine	ND		350	52
99-09-2	3-Nitroaniline	ND		350	25
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	39
101-55-3	4-Bromophenyl phenyl ether	ND		180	30
59-50-7	4-Chloro-3-methylphenol	ND		180	36
106-47-8	4-Chloroaniline	ND		180	25
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	37
106-44-5	4-Methylphenol	ND		350	32
100-01-6	4-Nitroaniline	ND		350	26
100-02-7	4-Nitrophenol	ND		350	48
83-32-9	Acenaphthene	ND		180	33
208-96-8	Acenaphthylene	ND		180	34
98-86-2	Acetophenone	ND		180	31
120-12-7	Anthracene	ND		180	33
1912-24-9	Atrazine	ND		180	60
100-52-7	Benzaldehyde	ND		180	140
56-55-3	Benzo[a]anthracene	ND		180	24
50-32-8	Benzo[a]pyrene	63	J	180	30

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-E-1Ft | Lab Sample ID: 480-232238-2

Matrix: Solid | Lab File ID: X000000365328.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:06

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.22(g) | Date Analyzed: 09/04/2025 14:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	90	J	180	24
191-24-2	Benzo[g,h,i]perylene	51	J	180	31
207-08-9	Benzo[k]fluoranthene	ND		180	40
92-52-4	Biphenyl	ND		180	33
108-60-1	bis (2-chloroisopropyl) ether	ND		180	36
111-91-1	Bis(2-chloroethoxy)methane	ND		180	34
111-44-4	Bis(2-chloroethyl)ether	ND		180	33
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	39
85-68-7	Butyl benzyl phthalate	ND		180	33
105-60-2	Caprolactam	ND		180	41
86-74-8	Carbazole	ND		180	35
218-01-9	Chrysene	ND		180	43
53-70-3	Dibenz(a,h)anthracene	ND		180	36
132-64-9	Dibenzofuran	ND		180	31
84-66-2	Diethyl phthalate	ND		180	32
131-11-3	Dimethyl phthalate	ND		180	34
84-74-2	Di-n-butyl phthalate	ND		180	40
117-84-0	Di-n-octyl phthalate	ND		180	34
206-44-0	Fluoranthene	86	J	180	32
86-73-7	Fluorene	ND		180	33
118-74-1	Hexachlorobenzene	ND		180	34
87-68-3	Hexachlorobutadiene	ND		180	27
77-47-4	Hexachlorocyclopentadiene	ND		350	78
67-72-1	Hexachloroethane	ND		180	32
193-39-5	Indeno[1,2,3-cd]pyrene	40	J	180	26
78-59-1	Isophorone	ND		180	36
91-20-3	Naphthalene	ND		180	29
98-95-3	Nitrobenzene	ND		180	30
621-64-7	N-Nitrosodi-n-propylamine	ND		180	40
86-30-6	N-Nitrosodiphenylamine	ND		180	30
87-86-5	Pentachlorophenol	ND		350	57

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-E-1Ft | Lab Sample ID: 480-232238-2

Matrix: Solid | Lab File ID: X000000365328.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:06

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.22(g) | Date Analyzed: 09/04/2025 14:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 6.0 % Solids: 94.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		180	33
108-95-2	Phenol	ND		180	32
129-00-0	Pyrene	79	J	180	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	82		10-140
321-60-8	2-Fluorobiphenyl	90		29-120
367-12-4	2-Fluorophenol	66		18-120
4165-60-0	Nitrobenzene-d5	76		22-120
4165-62-2	Phenol-d5	63		23-120
1718-51-0	p-Terphenyl-d14	90		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d
Lims ID: 480-232238-A-2-A
Client ID: SB-04-CONF-E-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 14:29:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-011
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:55:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	97	311042	40.0	
* 2 Naphthalene-d8	136	7.145	7.145	0.000	98	940629	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	93	508320	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	98	845821	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	98	683027	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	99	847050	40.0	
$ 7 2-Fluorophenol	112	3.891	3.886	0.005	92	298943	26.5	
$ 8 Phenol-d5	99	5.195	5.195	0.000	78	379013	25.2	
$ 9 Nitrobenzene-d5	82	6.290	6.285	0.005	88	435811	30.3	
$ 10 2-Fluorobiphenyl	172	8.438	8.432	0.006	97	678852	36.0	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	92	107136	32.9	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	97	643855	36.1	
27 Benzaldehyde	77		5.034				ND	
28 Phenol	94		5.211				ND	
31 Bis(2-chloroethyl)ether	93		5.280				ND	
32 2-Chlorophenol	128		5.344				ND	
42 2,2'-oxybis[1-chloropropane]	45		5.964				ND	
40 2-Methylphenol	108		5.964				ND	
45 Acetophenone	105		6.108				ND	
47 N-Nitrosodi-n-propylamine	70		6.124				ND	
46 4-Methylphenol	108		6.162				ND	
50 Hexachloroethane	117		6.220				ND	
52 Nitrobenzene	77		6.311				ND	
56 Isophorone	82		6.605				ND	
58 2-Nitrophenol	139		6.696				ND	
59 2,4-Dimethylphenol	107		6.792				ND	
62 Bis(2-chloroethoxy)methane	93		6.888				ND	
65 2,4-Dichlorophenol	162		7.000				ND	
69 Naphthalene	128		7.171				ND	
71 4-Chloroaniline	127		7.257				ND	
73 Hexachlorobutadiene	225		7.342				ND	
78 Caprolactam	113		7.700				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107		7.871				ND	
82 2-Methylnaphthalene	142	7.994	7.989	0.005	59	3098	0.2646	
84 Hexachlorocyclopentadiene	237		8.192				ND	
86 2,4,6-Trichlorophenol	196		8.341				ND	
87 2,4,5-Trichlorophenol	196		8.395				ND	
90 1,1'-Biphenyl	154		8.544				ND	
91 2-Chloronaphthalene	162		8.555				ND	
93 2-Nitroaniline	65		8.689				ND	
96 Dimethyl phthalate	163		8.918				ND	
99 2,6-Dinitrotoluene	165		8.977				ND	
100 Acenaphthylene	152		9.036				ND	
101 3-Nitroaniline	138		9.169				ND	
102 Acenaphthene	153		9.239				ND	
103 2,4-Dinitrophenol	184		9.292				ND	
104 4-Nitrophenol	109		9.420				ND	
107 Dibenzofuran	168		9.442				ND	
106 2,4-Dinitrotoluene	165		9.447				ND	
112 Diethyl phthalate	149		9.746				ND	
115 Fluorene	166		9.837				ND	
116 4-Chlorophenyl phenyl ether	204		9.853				ND	
118 4-Nitroaniline	138		9.880				ND	
119 4,6-Dinitro-2-methylphenol	198		9.917				ND	
120 N-Nitrosodiphenylamine	169		9.987				ND	
130 4-Bromophenyl phenyl ether	248		10.382				ND	
131 Hexachlorobenzene	284		10.446				ND	
133 Atrazine	200		10.580				ND	
134 Pentachlorophenol	266		10.660				ND	
141 Phenanthrene	178		10.852				ND	
142 Anthracene	178		10.906				ND	
143 Carbazole	167		11.077				ND	
145 Di-n-butyl phthalate	149		11.429				ND	
152 Fluoranthene	202	11.980	11.979	0.001	97	33593	1.24	
155 Pyrene	202	12.177	12.182	-0.005	95	25659	1.14	
162 Butyl benzyl phthalate	149		12.749				ND	
166 3,3'-Dichlorobenzidine	252		13.197				ND	
167 Benzo[a]anthracene	228		13.213				ND	
172 Bis(2-ethylhexyl) phthalate	149		13.235				ND	
169 Chrysene	228		13.245				ND	
168 Di-n-octyl phthalate	149		13.758				ND	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	94	31317	1.28	M
175 Benzo[k]fluoranthene	252	14.106	14.095	0.000	1	8696	0.1759	M
177 Benzo[a]pyrene	252	14.330	14.335	-0.005	75	18459	0.9047	
180 Indeno[1,2,3-cd]pyrene	276	15.265	15.270	-0.005	75	15945	0.5709	
181 Dibenz(a,h)anthracene	278		15.276				ND	
182 Benzo[g,h,i]perylene	276	15.516	15.521	-0.005	62	17779	0.7333	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

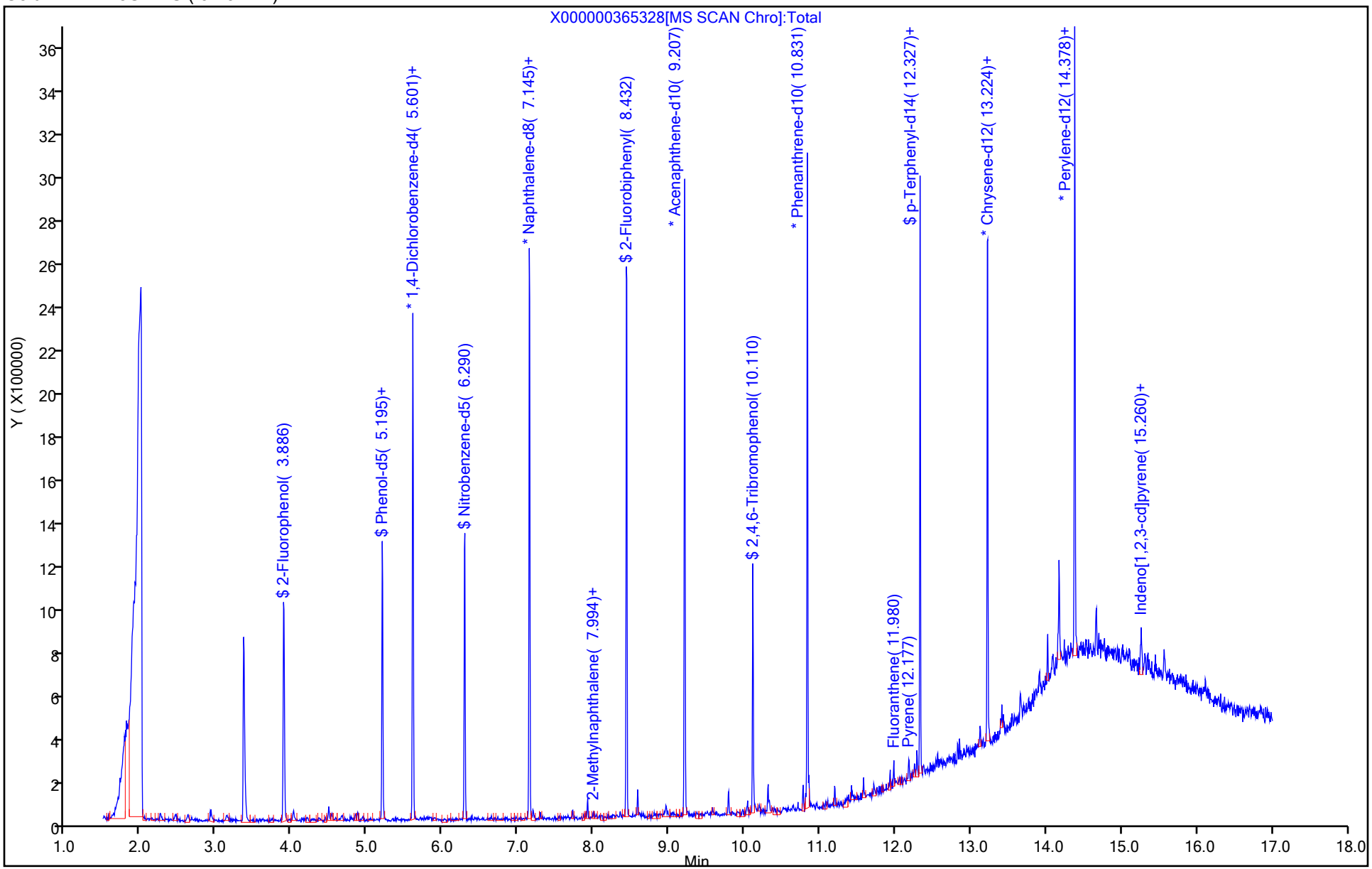
Report Date: 05-Sep-2025 08:58:45 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d

Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2	Worklist Smp#:	11
Client ID:	SB-04-CONF-E-1Ft				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d
Lims ID: 480-232238-A-2-A
Client ID: SB-04-CONF-E-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 14:29:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-011
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:55:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	26.5	66.27
$ 8 Phenol-d5	40.0	25.2	63.06
$ 9 Nitrobenzene-d5	40.0	30.3	75.78
$ 10 2-Fluorobiphenyl	40.0	36.0	89.98
$ 11 2,4,6-Tribromophenol	40.0	32.9	82.18
$ 12 p-Terphenyl-d14	40.0	36.1	90.31

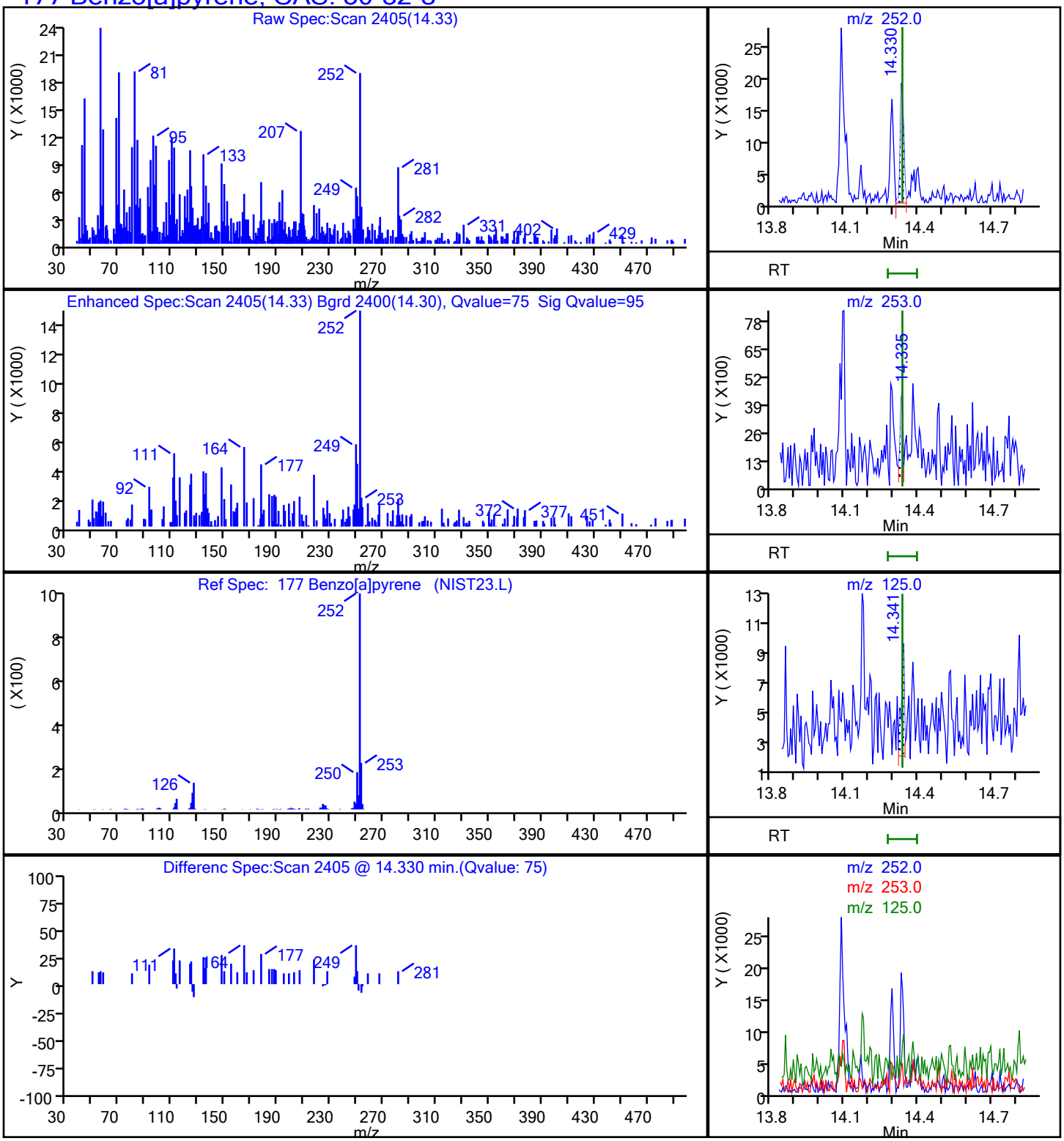
Report Date: 05-Sep-2025 08:58:45 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d

Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

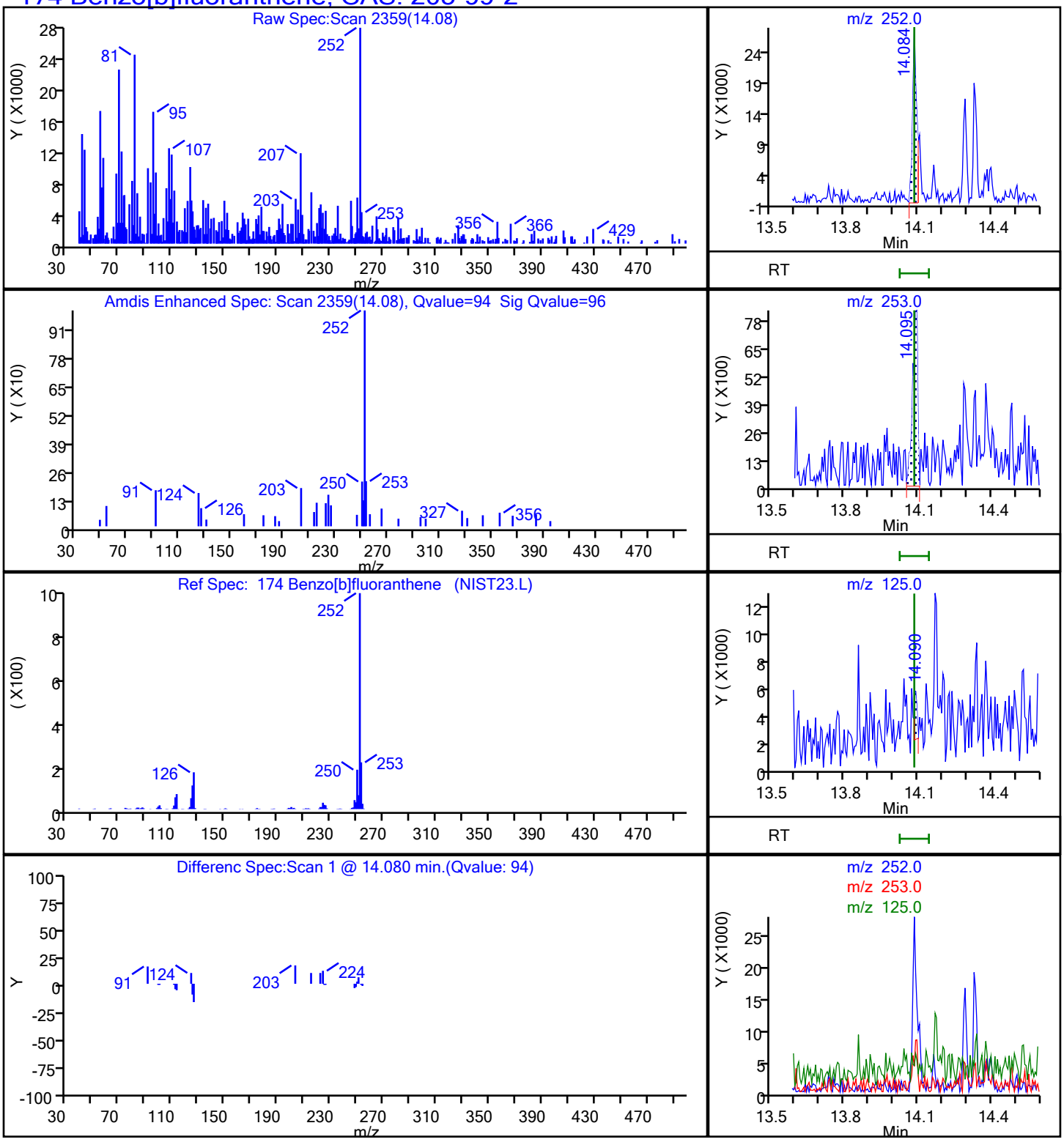
177 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d				
Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

174 Benzo[b]fluoranthene, CAS: 205-99-2



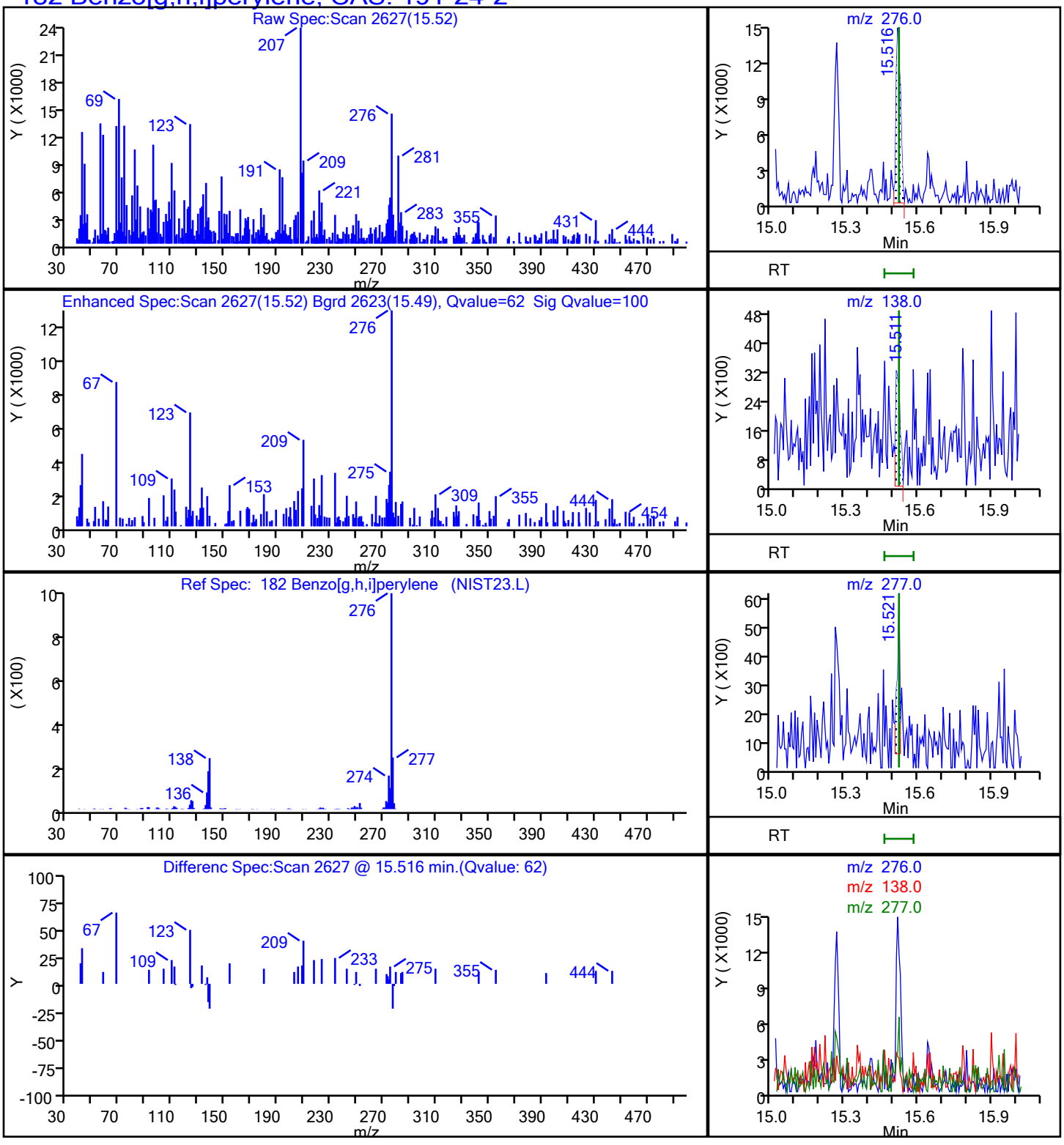
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Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d

Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

182 Benzo[g,h,i]perylene, CAS: 191-24-2



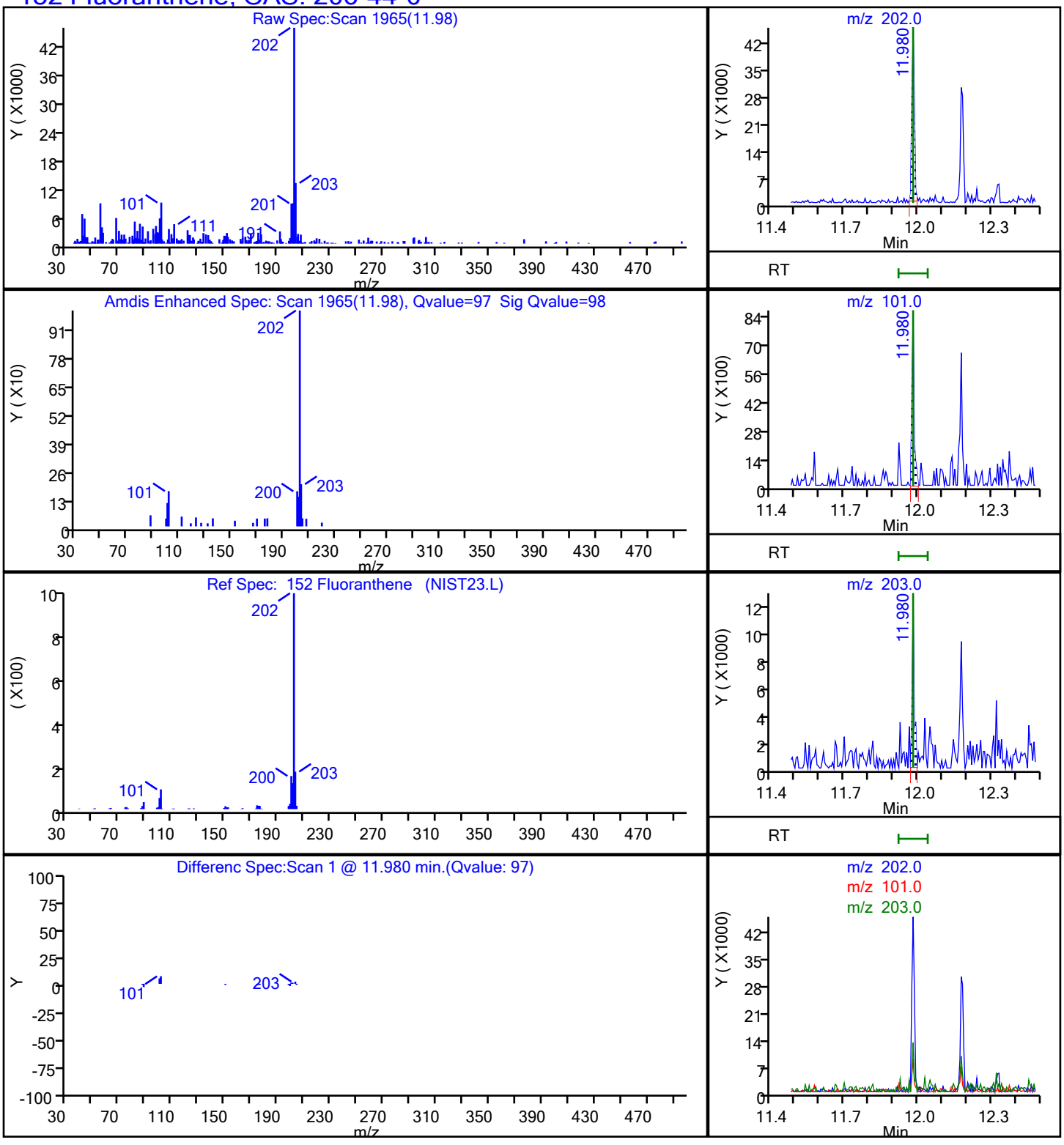
Report Date: 05-Sep-2025 08:58:45 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d

Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Fluoranthene, CAS: 206-44-0



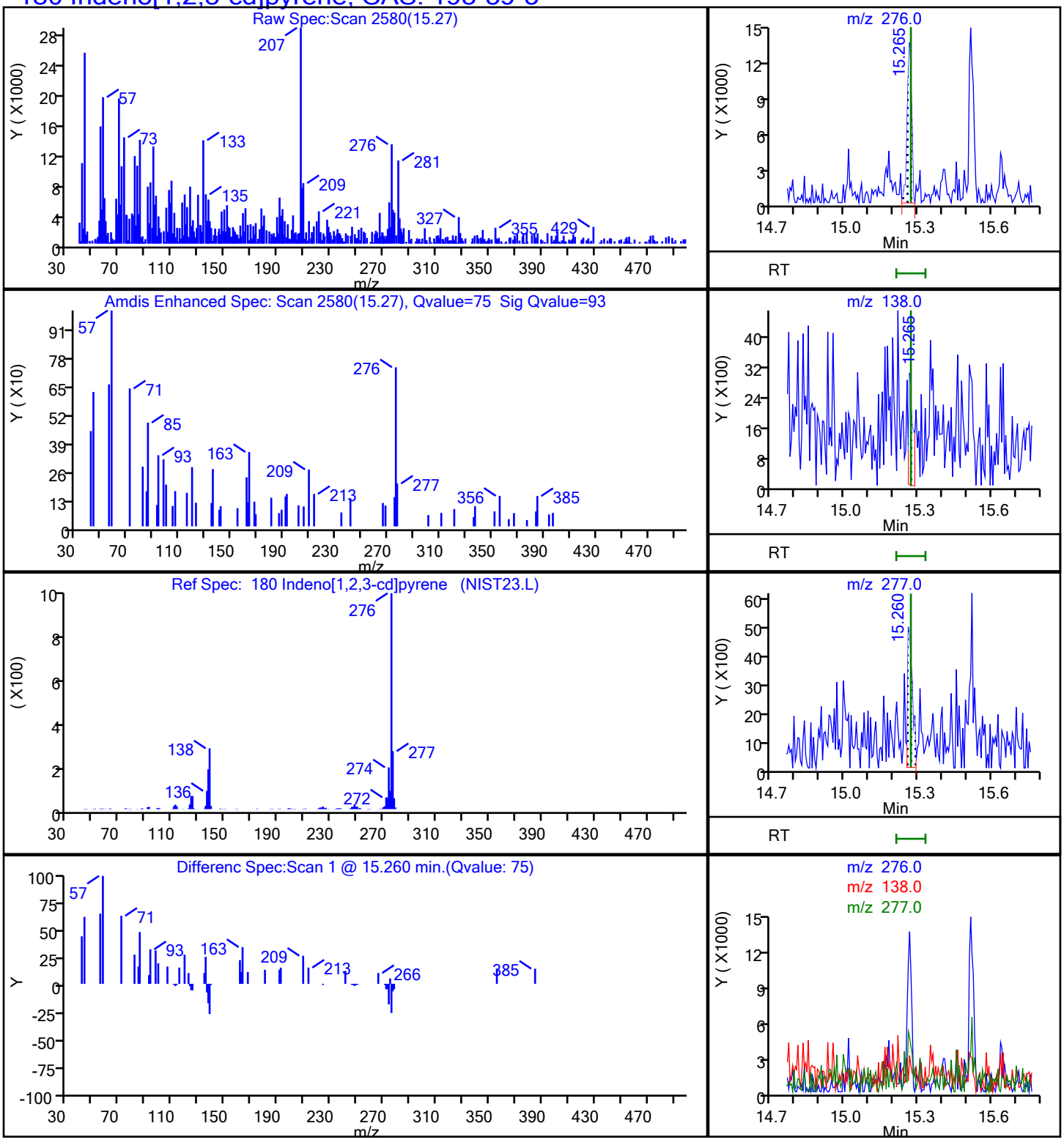
Report Date: 05-Sep-2025 08:58:45 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d

Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

180 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



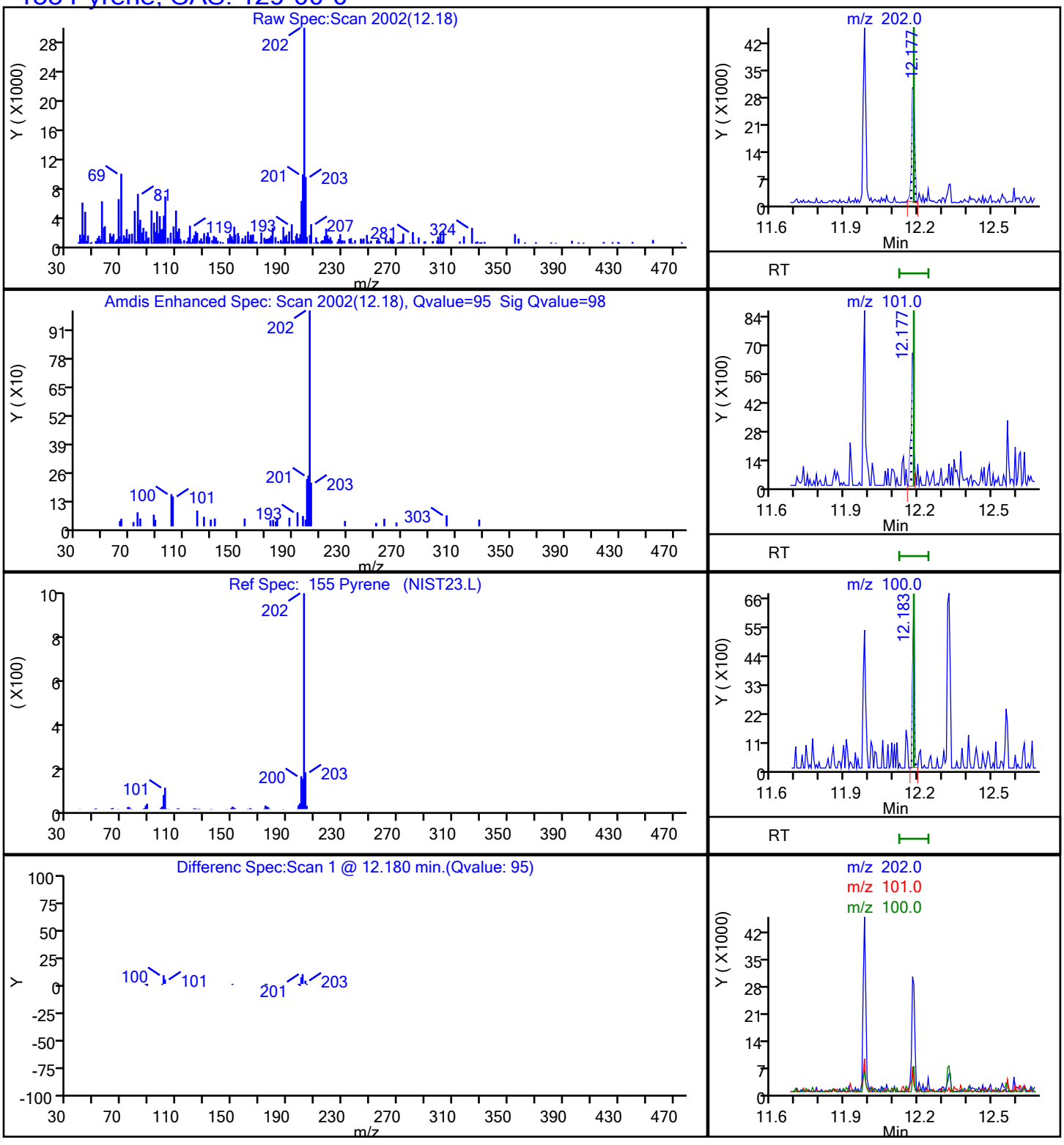
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Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d

Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Pyrene, CAS: 129-00-0



Eurofins Buffalo

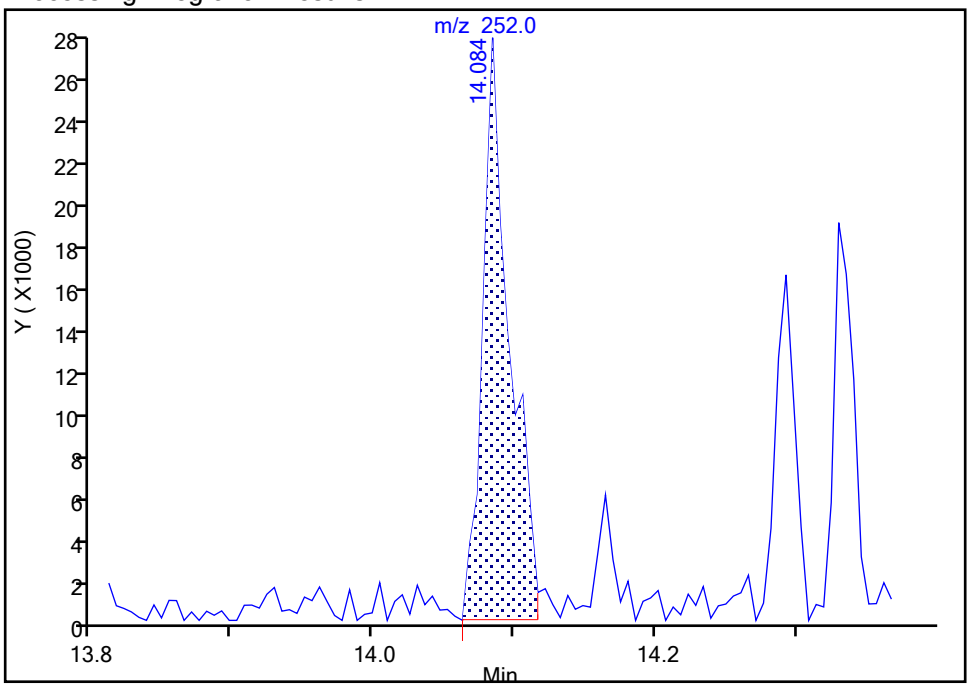
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d				
Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

174 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

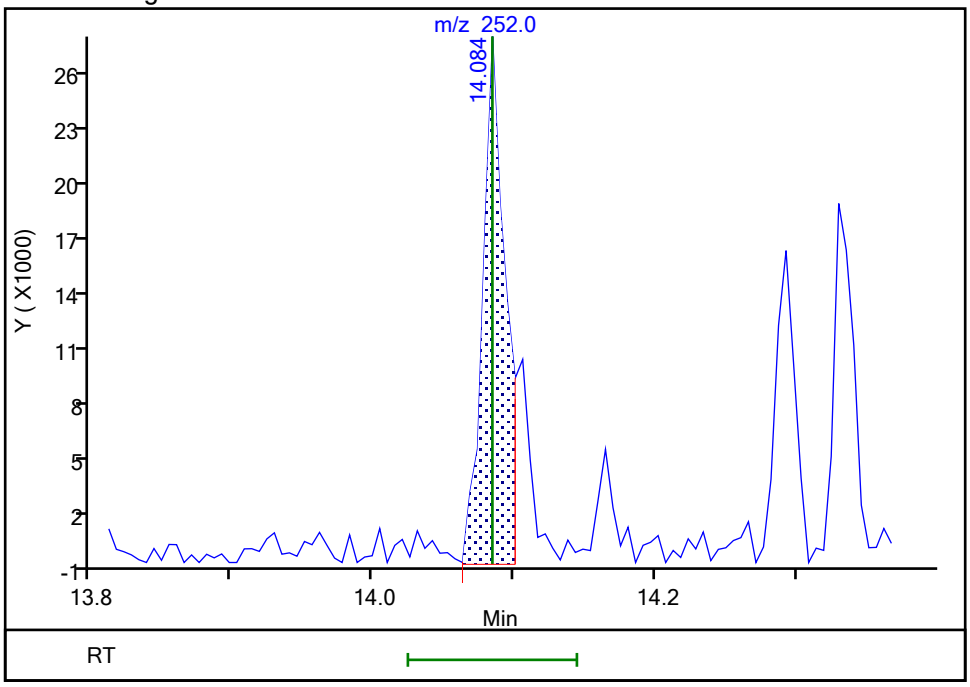
Processing Integration Results

RT: 14.08
Area: 36809
Amount: 1.486182
Amount Units: ng/uL



Manual Integration Results

RT: 14.08
Area: 31317
Amount: 1.282384
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:55:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Buffalo

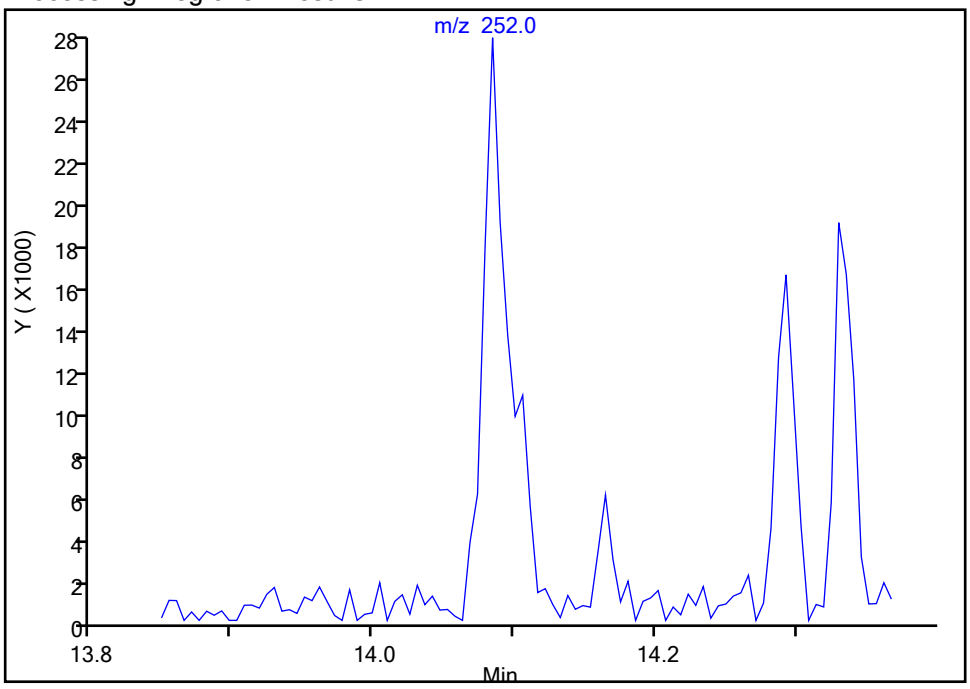
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365328.d				
Injection Date:	04-Sep-2025 14:29:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-2-A	Lab Sample ID:	480-232238-2		
Client ID:	SB-04-CONF-E-1Ft				
Operator ID:	AF	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

175 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

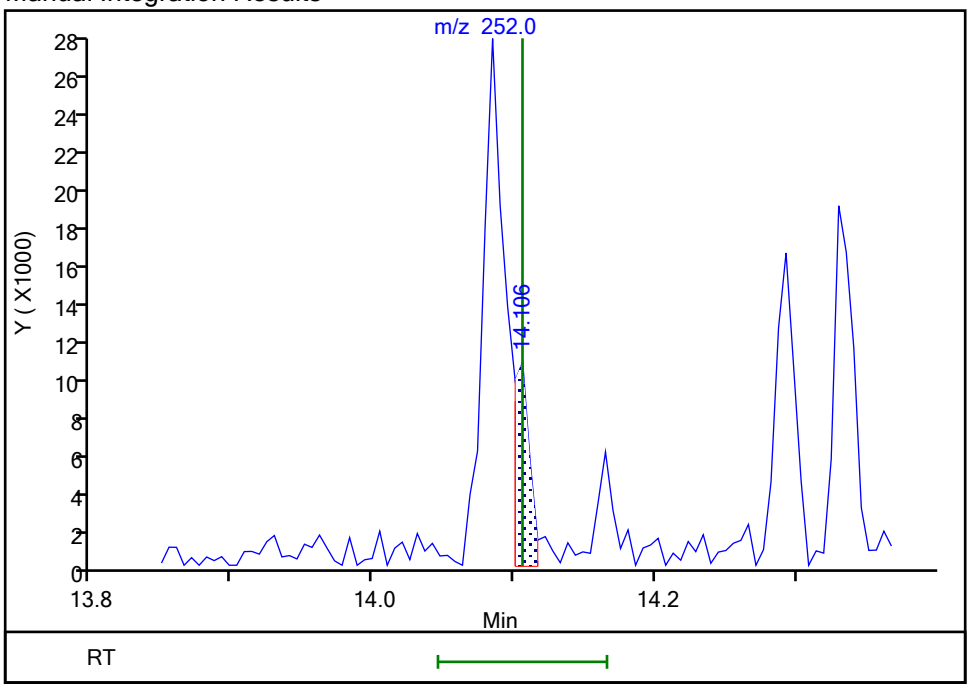
Not Detected
Expected RT: 14.11

Processing Integration Results



Manual Integration Results

RT: 14.11
Area: 8696
Amount: 0.175893
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:55:42 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-S-1Ft | Lab Sample ID: 480-232238-3

Matrix: Solid | Lab File ID: X000000365329.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:07

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.15(g) | Date Analyzed: 09/04/2025 14:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 11.7 % Solids: 88.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		950	190
88-06-2	2,4,6-Trichlorophenol	ND		950	140
120-83-2	2,4-Dichlorophenol	ND		950	190
105-67-9	2,4-Dimethylphenol	ND		950	200
51-28-5	2,4-Dinitrophenol	ND		9300	180
121-14-2	2,4-Dinitrotoluene	ND		950	130
606-20-2	2,6-Dinitrotoluene	ND		950	140
91-58-7	2-Chloronaphthalene	ND		950	180
95-57-8	2-Chlorophenol	ND		950	150
91-57-6	2-Methylnaphthalene	ND		950	150
95-48-7	2-Methylphenol	ND		950	150
88-74-4	2-Nitroaniline	ND		1800	160
88-75-5	2-Nitrophenol	ND		950	110
91-94-1	3,3'-Dichlorobenzidine	ND		1800	280
99-09-2	3-Nitroaniline	ND		1800	130
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	210
101-55-3	4-Bromophenyl phenyl ether	ND		950	160
59-50-7	4-Chloro-3-methylphenol	ND		950	190
106-47-8	4-Chloroaniline	ND		950	140
7005-72-3	4-Chlorophenyl phenyl ether	ND		950	200
106-44-5	4-Methylphenol	ND		1800	170
100-01-6	4-Nitroaniline	ND		1800	140
100-02-7	4-Nitrophenol	ND		1800	260
83-32-9	Acenaphthene	ND		950	180
208-96-8	Acenaphthylene	ND		950	180
98-86-2	Acetophenone	ND		950	170
120-12-7	Anthracene	ND		950	170
1912-24-9	Atrazine	ND		950	320
100-52-7	Benzaldehyde	ND		950	720
56-55-3	Benzo[a]anthracene	ND		950	130
50-32-8	Benzo[a]pyrene	300	J	950	160

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-S-1Ft | Lab Sample ID: 480-232238-3

Matrix: Solid | Lab File ID: X000000365329.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:07

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.15(g) | Date Analyzed: 09/04/2025 14:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 11.7 % Solids: 88.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	420	J	950	130
191-24-2	Benzo[g,h,i]perylene	250	J	950	170
207-08-9	Benzo[k]fluoranthene	ND		950	210
92-52-4	Biphenyl	ND		950	180
108-60-1	bis (2-chloroisopropyl) ether	ND		950	190
111-91-1	Bis(2-chloroethoxy)methane	ND		950	180
111-44-4	Bis(2-chloroethyl)ether	ND		950	180
117-81-7	Bis(2-ethylhexyl) phthalate	ND		950	210
85-68-7	Butyl benzyl phthalate	ND		950	170
105-60-2	Caprolactam	ND		950	220
86-74-8	Carbazole	ND		950	190
218-01-9	Chrysene	ND		950	230
53-70-3	Dibenz(a,h)anthracene	ND		950	190
132-64-9	Dibenzofuran	ND		950	170
84-66-2	Diethyl phthalate	ND		950	170
131-11-3	Dimethyl phthalate	ND		950	180
84-74-2	Di-n-butyl phthalate	ND		950	210
117-84-0	Di-n-octyl phthalate	ND		950	180
206-44-0	Fluoranthene	620	J	950	170
86-73-7	Fluorene	ND		950	170
118-74-1	Hexachlorobenzene	ND		950	180
87-68-3	Hexachlorobutadiene	ND		950	140
77-47-4	Hexachlorocyclopentadiene	ND		1800	410
67-72-1	Hexachloroethane	ND		950	170
193-39-5	Indeno[1,2,3-cd]pyrene	180	J	950	140
78-59-1	Isophorone	ND		950	190
91-20-3	Naphthalene	ND		950	160
98-95-3	Nitrobenzene	ND		950	160
621-64-7	N-Nitrosodi-n-propylamine	ND		950	210
86-30-6	N-Nitrosodiphenylamine	ND		950	160
87-86-5	Pentachlorophenol	ND		1800	300

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-S-1Ft | Lab Sample ID: 480-232238-3

Matrix: Solid | Lab File ID: X000000365329.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:07

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.15(g) | Date Analyzed: 09/04/2025 14:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 11.7 % Solids: 88.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		950	180
108-95-2	Phenol	ND		950	170
129-00-0	Pyrene	420	J	950	180

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	79		10-140
321-60-8	2-Fluorobiphenyl	79		29-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	73		22-120
4165-62-2	Phenol-d5	67		23-120
1718-51-0	p-Terphenyl-d14	87		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365329.d
Lims ID: 480-232238-A-3-A
Client ID: SB-04-CONF-S-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 14:54:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0125143-012
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:56:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	97	259267	40.0	
* 2 Naphthalene-d8	136	7.150	7.145	0.005	98	829993	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	94	517871	40.0	
* 4 Phenanthrene-d10	188	10.836	10.831	0.005	98	1015298	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	99	1029115	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	99	1212515	40.0	
$ 7 2-Fluorophenol	112	3.902	3.886	0.016	95	54003	6.02	
$ 8 Phenol-d5	99	5.200	5.195	0.005	79	67305	5.37	
$ 9 Nitrobenzene-d5	82	6.290	6.285	0.005	88	71841	5.81	
$ 10 2-Fluorobiphenyl	172	8.432	8.432	0.000	97	125043	6.30	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	88	22211	6.34	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	96	187622	6.99	
27 Benzaldehyde	77		5.034				ND	
28 Phenol	94		5.211				ND	
31 Bis(2-chloroethyl)ether	93		5.280				ND	
32 2-Chlorophenol	128		5.344				ND	
42 2,2'-oxybis[1-chloropropane]	45		5.964				ND	
40 2-Methylphenol	108		5.964				ND	
45 Acetophenone	105		6.108				ND	
47 N-Nitrosodi-n-propylamine	70		6.124				ND	
46 4-Methylphenol	108		6.162				ND	
50 Hexachloroethane	117		6.220				ND	
52 Nitrobenzene	77		6.311				ND	
56 Isophorone	82		6.605				ND	
58 2-Nitrophenol	139		6.696				ND	
59 2,4-Dimethylphenol	107		6.792				ND	
62 Bis(2-chloroethoxy)methane	93		6.888				ND	
65 2,4-Dichlorophenol	162		7.000				ND	
69 Naphthalene	128		7.171				ND	
71 4-Chloroaniline	127		7.257				ND	
73 Hexachlorobutadiene	225		7.342				ND	
78 Caprolactam	113		7.700				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107		7.871				ND	
82 2-Methylnaphthalene	142	7.989	7.989	0.000	59	3234	0.3005	
84 Hexachlorocyclopentadiene	237		8.192				ND	
86 2,4,6-Trichlorophenol	196		8.341				ND	
87 2,4,5-Trichlorophenol	196		8.395				ND	
90 1,1'-Biphenyl	154		8.544				ND	
91 2-Chloronaphthalene	162		8.555				ND	
93 2-Nitroaniline	65		8.689				ND	
96 Dimethyl phthalate	163		8.918				ND	
99 2,6-Dinitrotoluene	165		8.977				ND	
100 Acenaphthylene	152	9.041	9.036	0.005	60	5609	0.2091	
101 3-Nitroaniline	138		9.169				ND	
102 Acenaphthene	153		9.239				ND	
103 2,4-Dinitrophenol	184		9.292				ND	
104 4-Nitrophenol	109		9.420				ND	
107 Dibenzofuran	168		9.442				ND	
106 2,4-Dinitrotoluene	165		9.447				ND	
112 Diethyl phthalate	149		9.746				ND	
115 Fluorene	166		9.837				ND	
116 4-Chlorophenyl phenyl ether	204		9.853				ND	
118 4-Nitroaniline	138		9.880				ND	
119 4,6-Dinitro-2-methylphenol	198		9.917				ND	
120 N-Nitrosodiphenylamine	169		9.987				ND	
130 4-Bromophenyl phenyl ether	248		10.382				ND	
131 Hexachlorobenzene	284		10.446				ND	
133 Atrazine	200		10.580				ND	
134 Pentachlorophenol	266		10.660				ND	
141 Phenanthrene	178		10.852				ND	
142 Anthracene	178		10.906				ND	
143 Carbazole	167		11.077				ND	
145 Di-n-butyl phthalate	149		11.429				ND	
152 Fluoranthene	202	11.979	11.979	0.000	97	55053	1.66	
155 Pyrene	202	12.182	12.182	0.000	97	37853	1.11	
162 Butyl benzyl phthalate	149		12.749				ND	
166 3,3'-Dichlorobenzidine	252		13.197				ND	
167 Benzo[a]anthracene	228		13.213				ND	
172 Bis(2-ethylhexyl) phthalate	149		13.235				ND	
169 Chrysene	228		13.245				ND	
168 Di-n-octyl phthalate	149		13.758				ND	
174 Benzo[b]fluoranthene	252	14.089	14.084	0.005	66	38634	1.12	a
175 Benzo[k]fluoranthene	252	14.100	14.095	-0.006	1	18310	0.3398	a
177 Benzo[a]pyrene	252	14.330	14.335	-0.005	82	23230	0.8121	
180 Indeno[1,2,3-cd]pyrene	276	15.270	15.270	0.000	77	18579	0.4747	
181 Dibenz(a,h)anthracene	278		15.276				ND	
182 Benzo[g,h,i]perylene	276	15.516	15.521	-0.005	86	23133	0.6623	

QC Flag Legend

Processing Flags

Review Flags
a - User Assigned ID

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

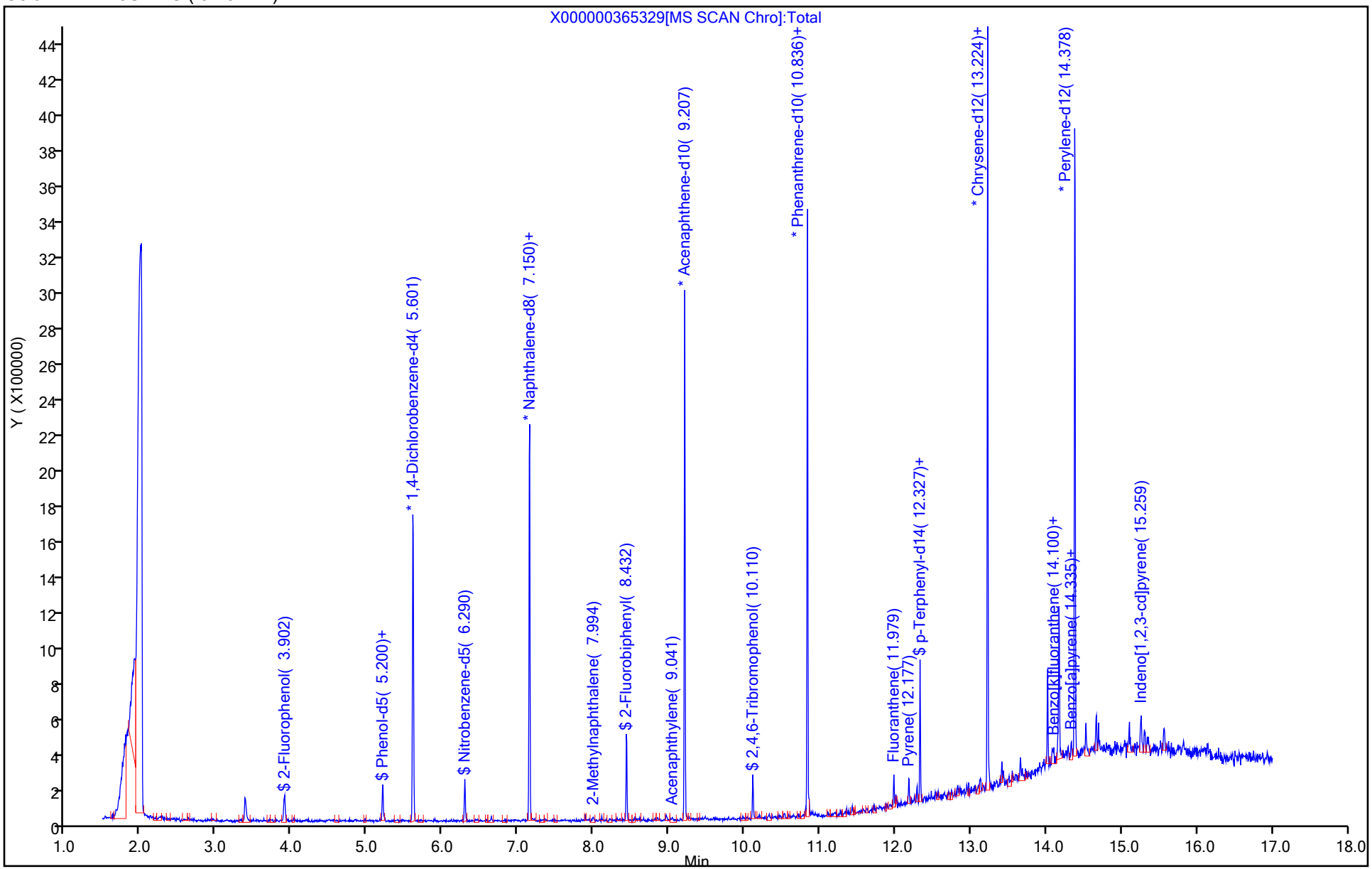
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Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365329.d

Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3	Worklist Smp#:	12
Client ID:	SB-04-CONF-S-1Ft				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	12
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

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Lims ID: 480-232238-A-3-A
Client ID: SB-04-CONF-S-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 14:54:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 480-0125143-012
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:56:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	6.02	75.27
$ 8 Phenol-d5	40.0	5.37	67.17
$ 9 Nitrobenzene-d5	40.0	5.81	72.59
$ 10 2-Fluorobiphenyl	40.0	6.30	78.80
$ 11 2,4,6-Tribromophenol	40.0	6.34	79.30
$ 12 p-Terphenyl-d14	40.0	6.99	87.34

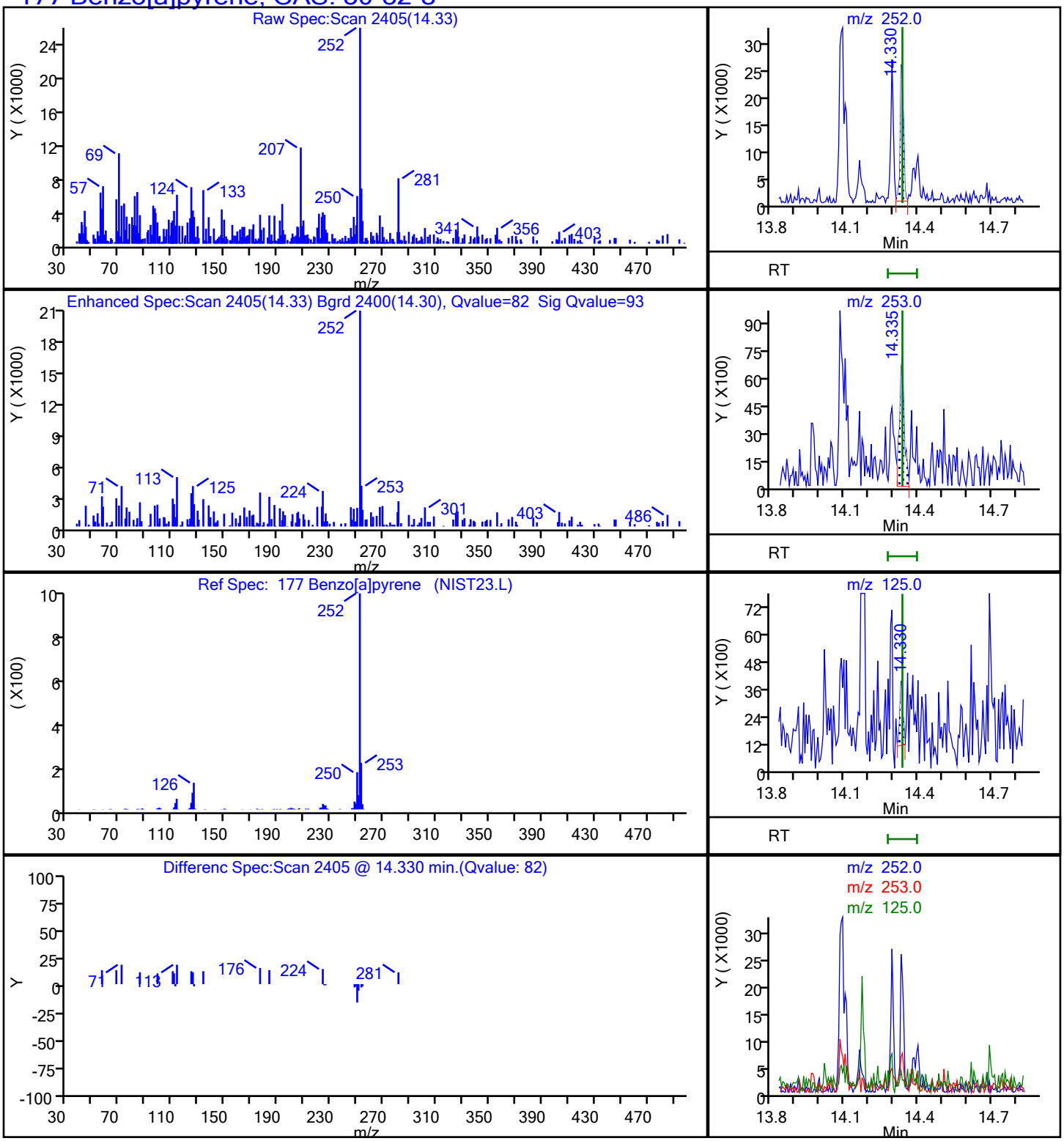
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Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365329.d

Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

177 Benzo[a]pyrene, CAS: 50-32-8



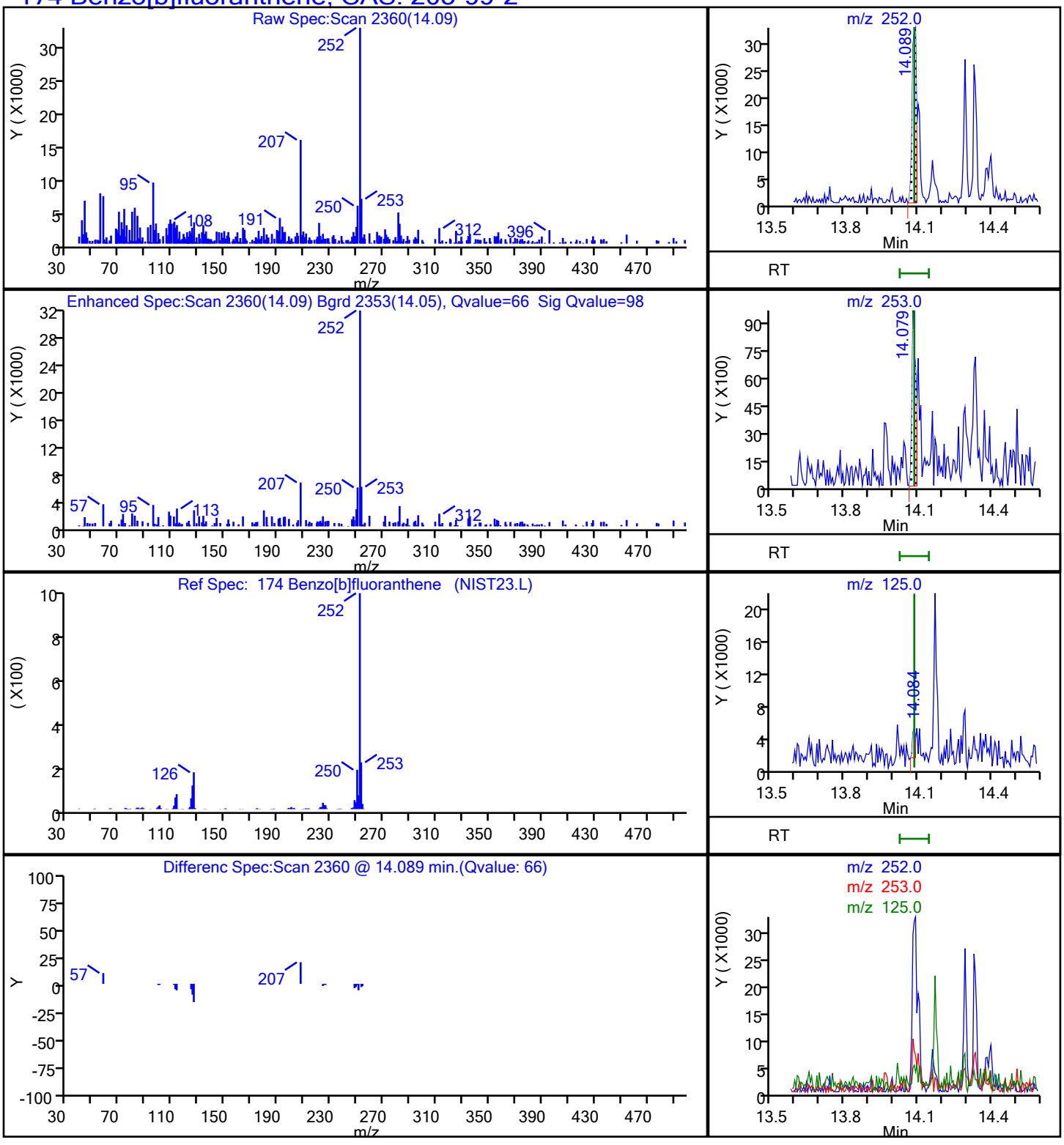
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Eurofins Buffalo

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Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

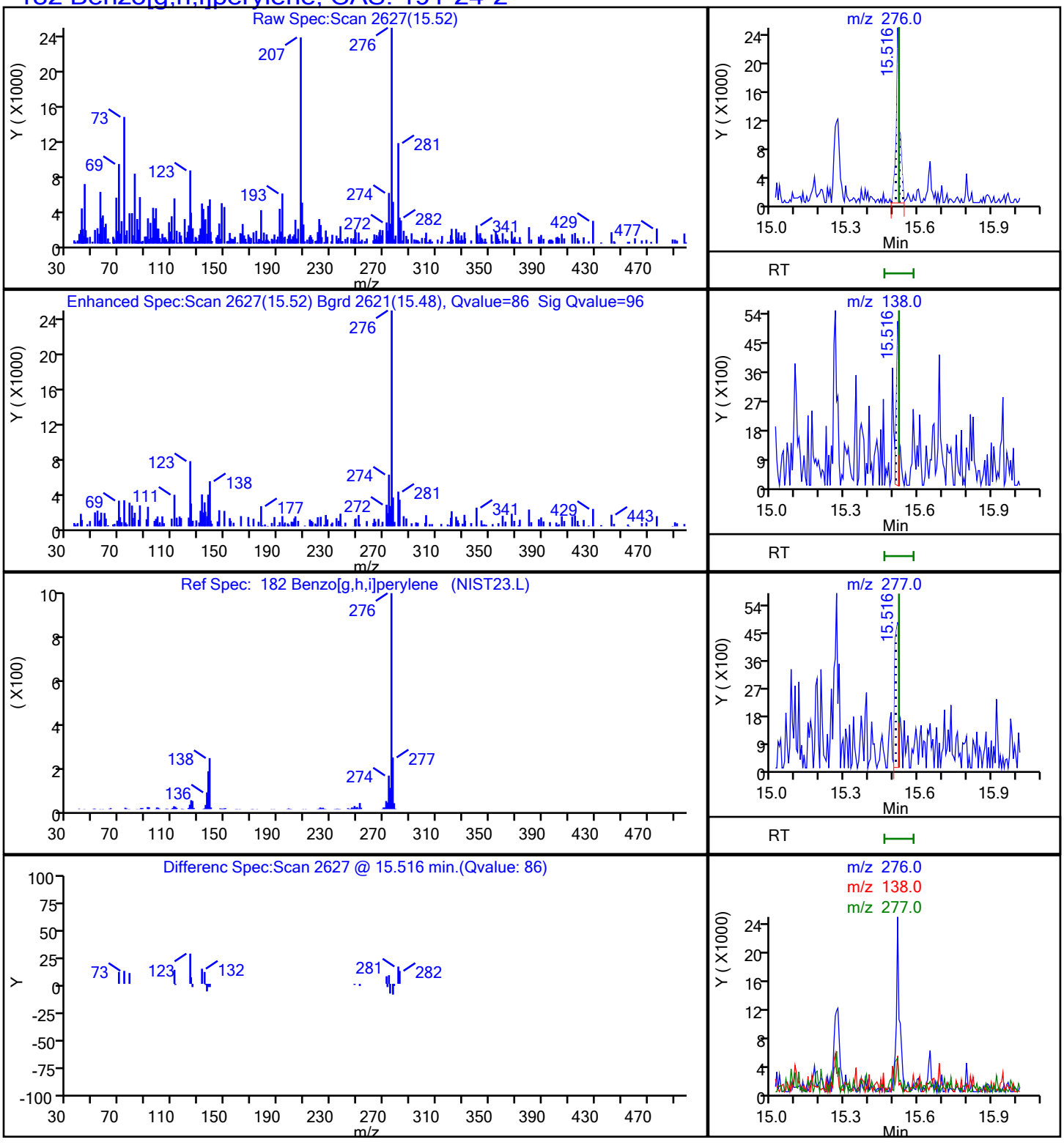
174 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365329.d				
Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

182 Benzo[g,h,i]perylene, CAS: 191-24-2



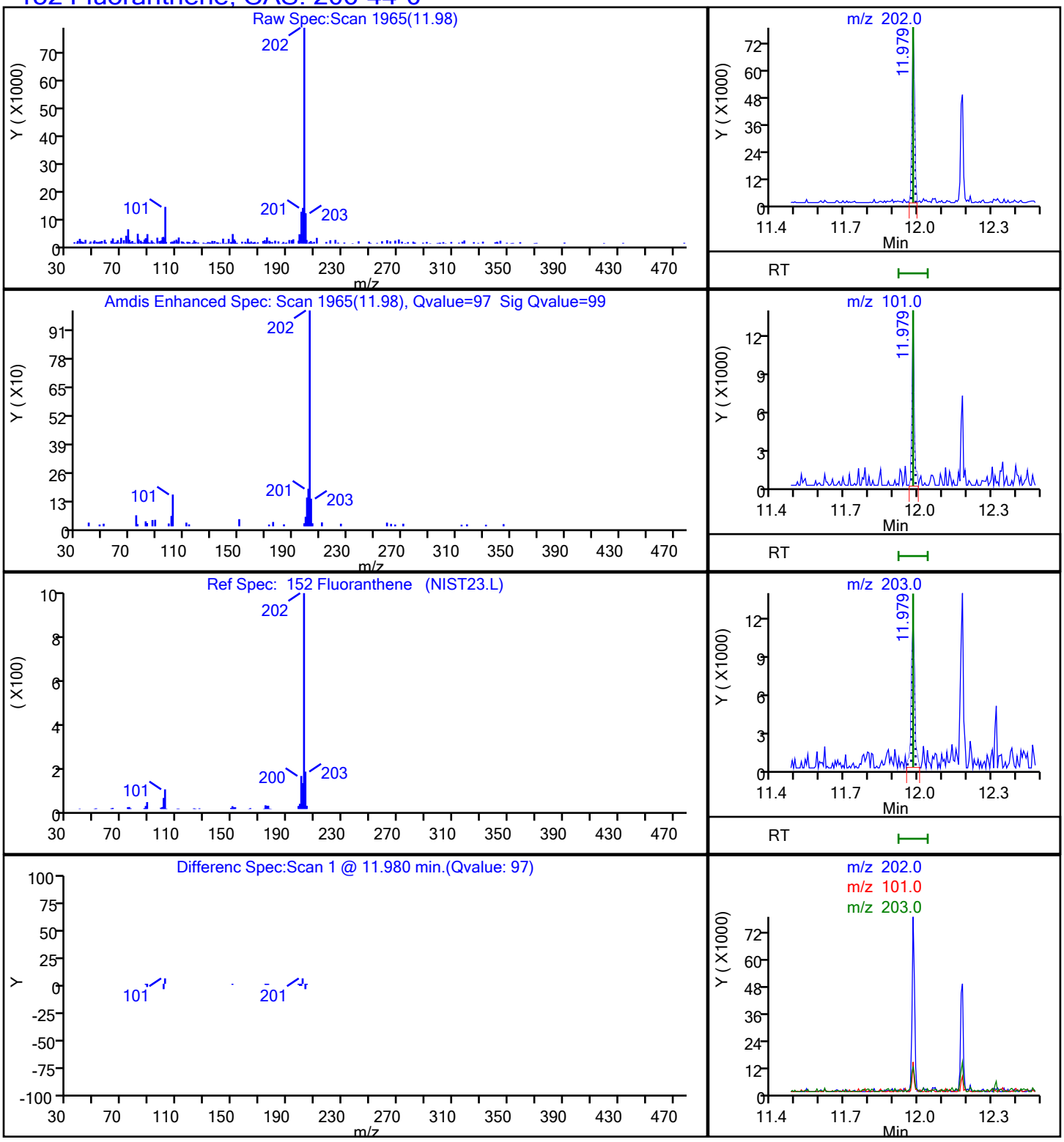
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Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365329.d

Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

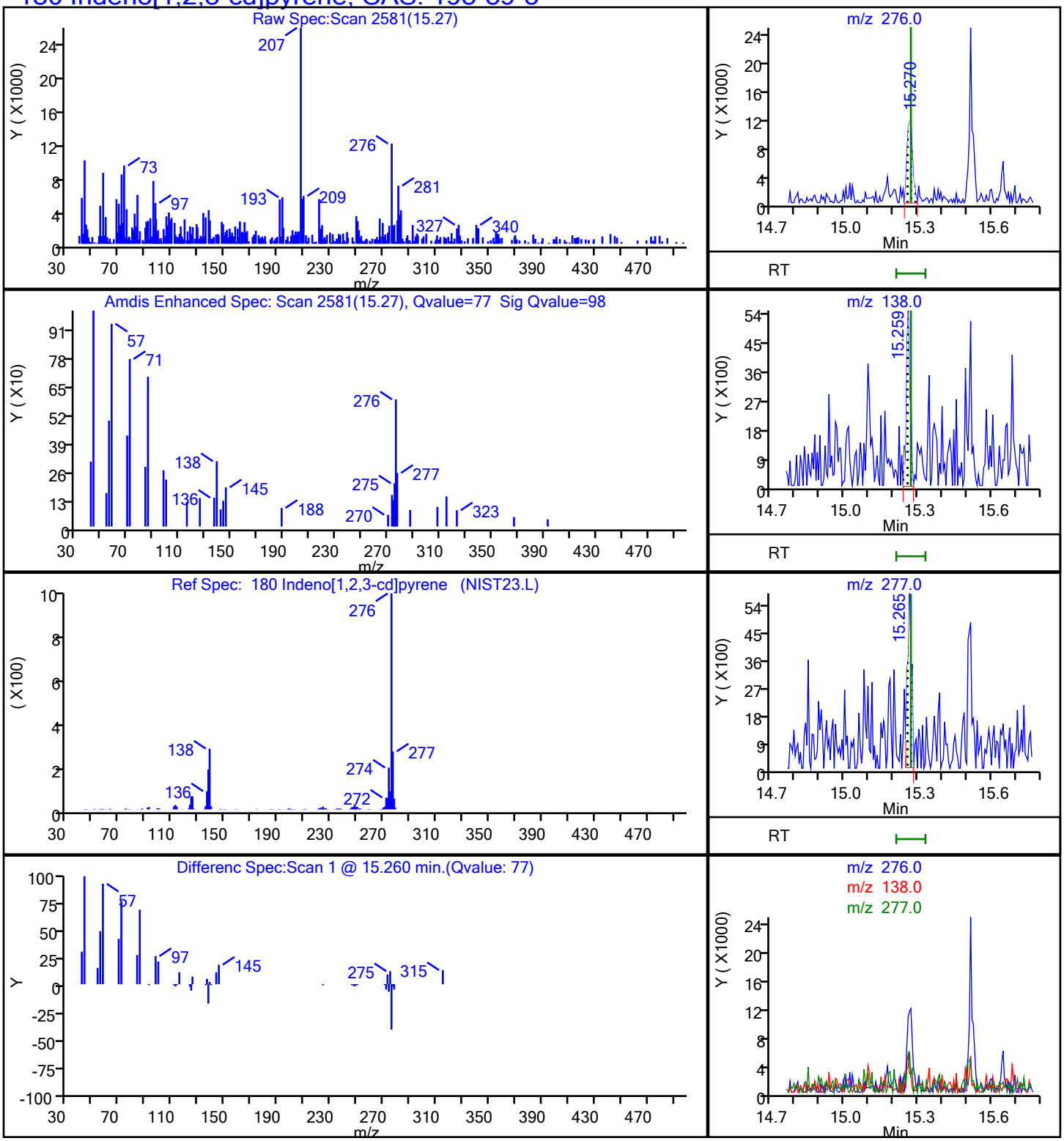
152 Fluoranthene, CAS: 206-44-0



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365329.d				
Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

180 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



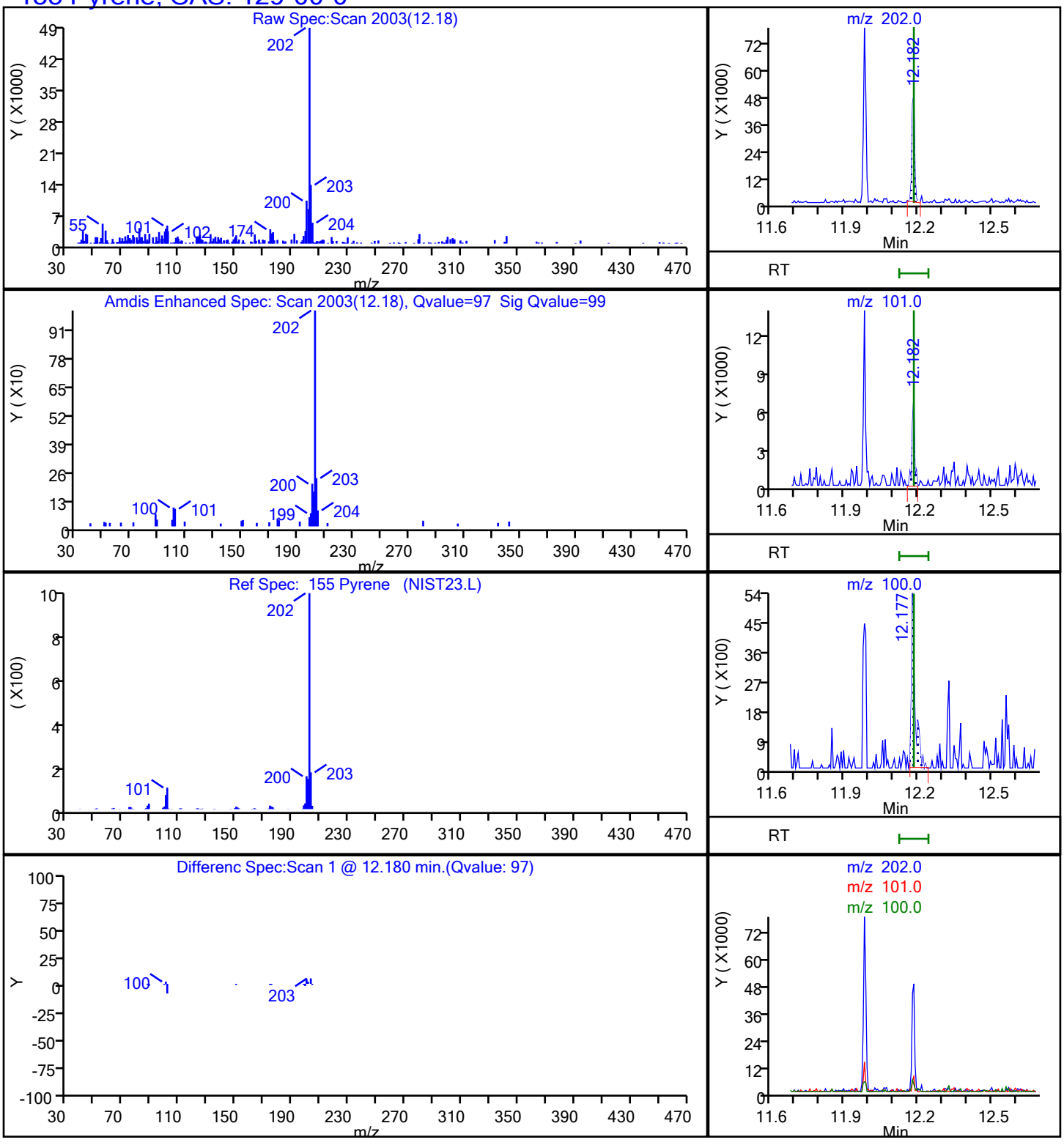
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Eurofins Buffalo

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Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins Buffalo

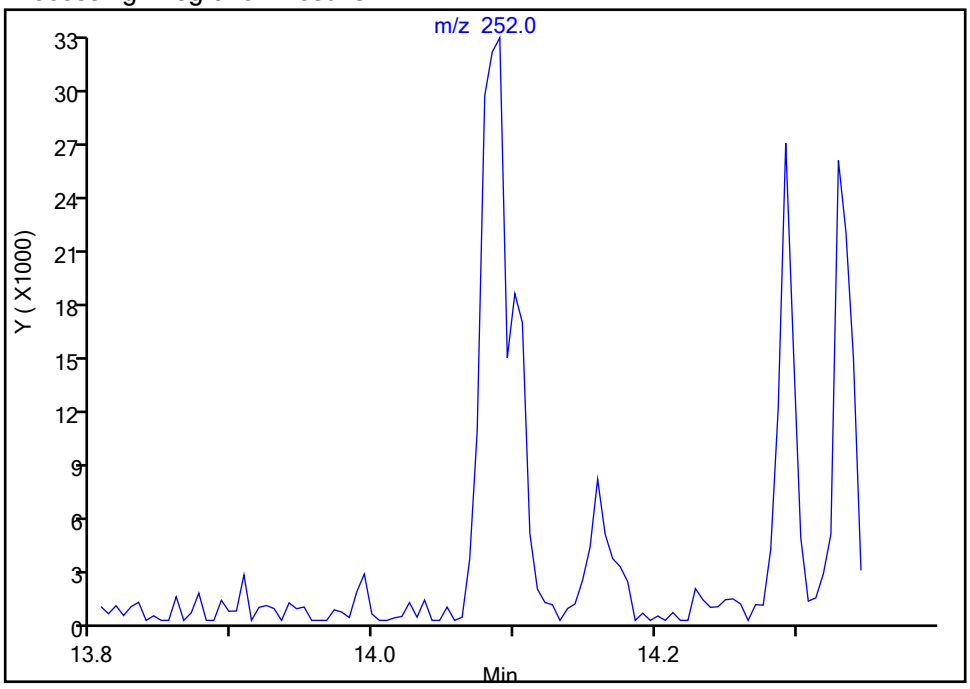
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Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

174 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

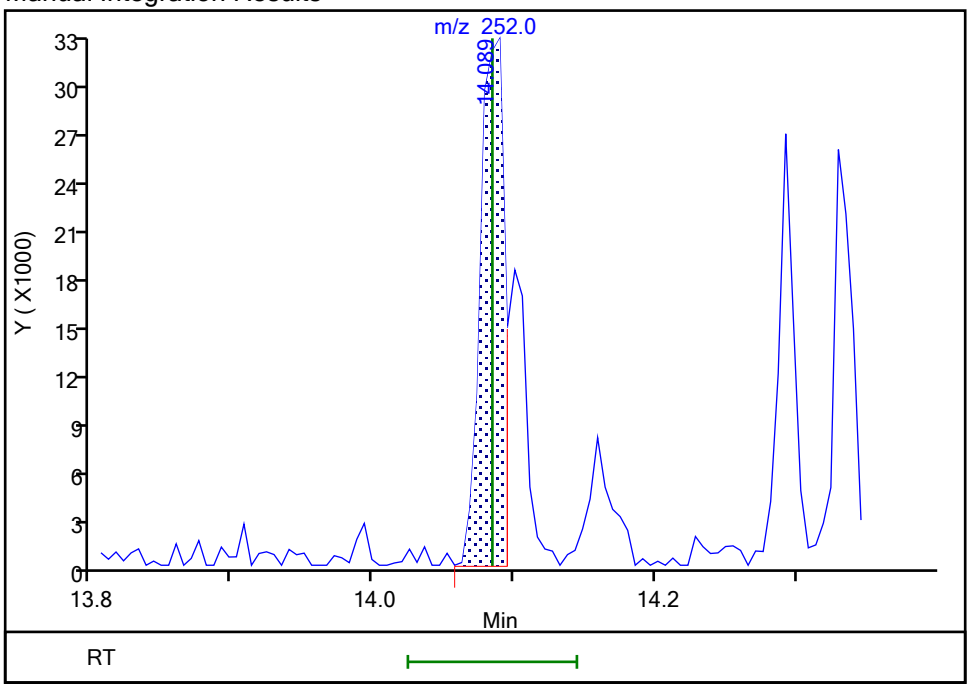
Not Detected
Expected RT: 14.08

Processing Integration Results



Manual Integration Results

RT: 14.09
Area: 38634
Amount: 1.121790
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:56:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

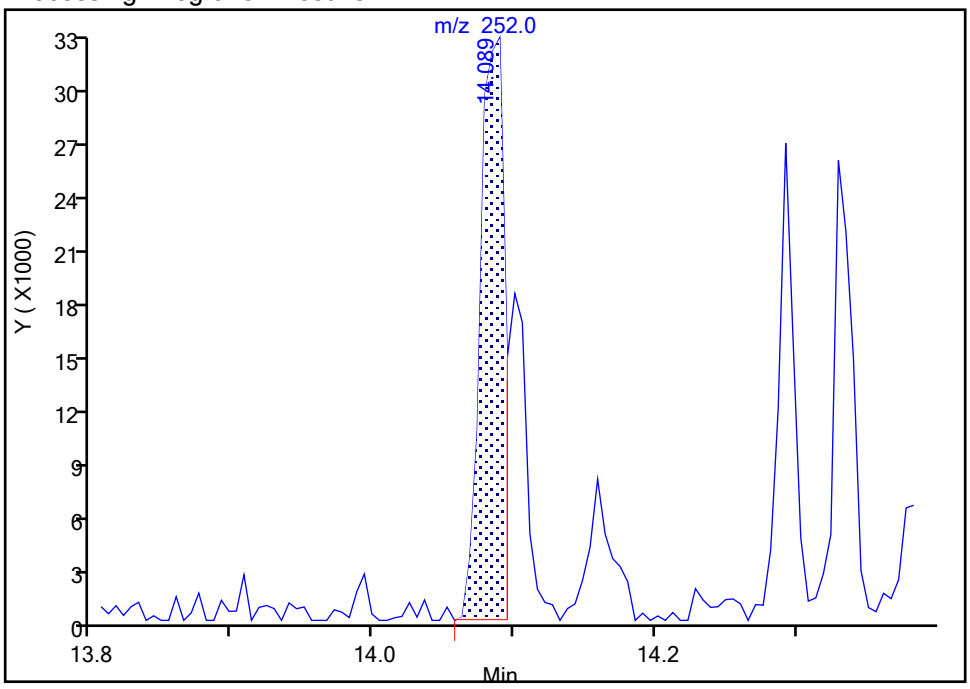
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Injection Date:	04-Sep-2025 14:54:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-3-A	Lab Sample ID:	480-232238-3		
Client ID:	SB-04-CONF-S-1Ft				
Operator ID:	AF	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

175 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

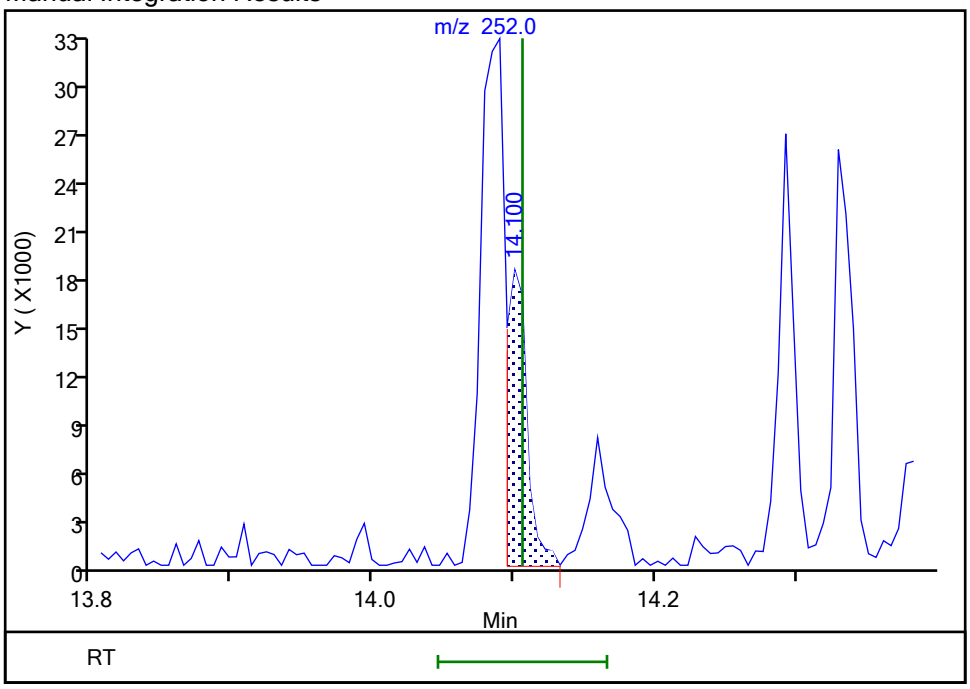
Processing Integration Results

RT: 14.09
Area: 38634
Amount: 0.908049
Amount Units: ng/uL



Manual Integration Results

RT: 14.10
Area: 18310
Amount: 0.339794
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:56:01 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-W-1Ft | Lab Sample ID: 480-232238-4

Matrix: Solid | Lab File ID: X000000365330.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:08

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.0 % Solids: 91.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		190	37
88-06-2	2,4,6-Trichlorophenol	ND		190	28
120-83-2	2,4-Dichlorophenol	ND		190	36
105-67-9	2,4-Dimethylphenol	ND		190	39
51-28-5	2,4-Dinitrophenol	ND		1800	35
121-14-2	2,4-Dinitrotoluene	ND		190	25
606-20-2	2,6-Dinitrotoluene	ND		190	26
91-58-7	2-Chloronaphthalene	ND		190	34
95-57-8	2-Chlorophenol	ND		190	29
91-57-6	2-Methylnaphthalene	43	J	190	29
95-48-7	2-Methylphenol	ND		190	30
88-74-4	2-Nitroaniline	ND		360	31
88-75-5	2-Nitrophenol	ND		190	21
91-94-1	3,3'-Dichlorobenzidine	ND		360	54
99-09-2	3-Nitroaniline	ND		360	26
534-52-1	4,6-Dinitro-2-methylphenol	ND		360	40
101-55-3	4-Bromophenyl phenyl ether	ND		190	31
59-50-7	4-Chloro-3-methylphenol	ND		190	38
106-47-8	4-Chloroaniline	ND		190	26
7005-72-3	4-Chlorophenyl phenyl ether	ND		190	39
106-44-5	4-Methylphenol	ND		360	33
100-01-6	4-Nitroaniline	ND		360	27
100-02-7	4-Nitrophenol	ND		360	50
83-32-9	Acenaphthene	ND		190	34
208-96-8	Acenaphthylene	ND		190	35
98-86-2	Acetophenone	ND		190	32
120-12-7	Anthracene	85	J	190	34
1912-24-9	Atrazine	ND		190	62
100-52-7	Benzaldehyde	ND		190	140
56-55-3	Benzo[a]anthracene	450		190	25
50-32-8	Benzo[a]pyrene	430		190	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-W-1Ft | Lab Sample ID: 480-232238-4

Matrix: Solid | Lab File ID: X000000365330.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:08

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.0 % Solids: 91.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	520		190	25
191-24-2	Benzo[g,h,i]perylene	360		190	32
207-08-9	Benzo[k]fluoranthene	330		190	41
92-52-4	Biphenyl	ND		190	35
108-60-1	bis (2-chloroisopropyl) ether	ND		190	38
111-91-1	Bis(2-chloroethoxy)methane	ND		190	35
111-44-4	Bis(2-chloroethyl)ether	ND		190	35
117-81-7	Bis(2-ethylhexyl) phthalate	ND		190	40
85-68-7	Butyl benzyl phthalate	ND		190	34
105-60-2	Caprolactam	ND		190	43
86-74-8	Carbazole	42	J	190	36
218-01-9	Chrysene	510		190	44
53-70-3	Dibenz(a,h)anthracene	ND		190	37
132-64-9	Dibenzofuran	ND		190	32
84-66-2	Diethyl phthalate	ND		190	33
131-11-3	Dimethyl phthalate	ND		190	35
84-74-2	Di-n-butyl phthalate	ND		190	41
117-84-0	Di-n-octyl phthalate	ND		190	35
206-44-0	Fluoranthene	980		190	34
86-73-7	Fluorene	35	J	190	34
118-74-1	Hexachlorobenzene	ND		190	35
87-68-3	Hexachlorobutadiene	ND		190	28
77-47-4	Hexachlorocyclopentadiene	ND		360	81
67-72-1	Hexachloroethane	ND		190	34
193-39-5	Indeno[1,2,3-cd]pyrene	260		190	27
78-59-1	Isophorone	ND		190	38
91-20-3	Naphthalene	ND		190	31
98-95-3	Nitrobenzene	ND		190	31
621-64-7	N-Nitrosodi-n-propylamine	ND		190	41
86-30-6	N-Nitrosodiphenylamine	ND		190	31
87-86-5	Pentachlorophenol	ND		360	59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-W-1Ft | Lab Sample ID: 480-232238-4

Matrix: Solid | Lab File ID: X000000365330.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:08

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 15:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 9.0 % Solids: 91.0 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	510		190	35
108-95-2	Phenol	ND		190	34
129-00-0	Pyrene	790		190	35

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	85		10-140
321-60-8	2-Fluorobiphenyl	81		29-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	73		22-120
4165-62-2	Phenol-d5	74		23-120
1718-51-0	p-Terphenyl-d14	83		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d
Lims ID: 480-232238-A-4-A
Client ID: SB-04-CONF-W-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 15:19:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-013
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:58:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.606	5.601	0.005	96	219527	40.0	
* 2 Naphthalene-d8	136	7.150	7.145	0.005	98	716618	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	93	453474	40.0	
* 4 Phenanthrene-d10	188	10.836	10.831	0.005	99	865151	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	99	885288	40.0	
* 6 Perylene-d12	264	14.383	14.378	0.005	99	1095287	40.0	
$ 7 2-Fluorophenol	112	3.897	3.886	0.011	92	215212	27.0	
$ 8 Phenol-d5	99	5.200	5.195	0.005	78	313854	29.6	
$ 9 Nitrobenzene-d5	82	6.290	6.285	0.005	89	321495	29.4	
$ 10 2-Fluorobiphenyl	172	8.437	8.432	0.005	96	546483	32.5	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	91	112810	33.8	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	96	763151	33.0	
27 Benzaldehyde	77		5.034				ND	
28 Phenol	94		5.211				ND	
31 Bis(2-chloroethyl)ether	93		5.280				ND	
32 2-Chlorophenol	128		5.344				ND	
42 2,2'-oxybis[1-chloropropane]	45		5.964				ND	
40 2-Methylphenol	108		5.964				ND	
45 Acetophenone	105		6.108				ND	
47 N-Nitrosodi-n-propylamine	70		6.124				ND	
46 4-Methylphenol	108		6.162				ND	
50 Hexachloroethane	117		6.220				ND	
52 Nitrobenzene	77		6.311				ND	
56 Isophorone	82		6.605				ND	
58 2-Nitrophenol	139		6.696				ND	
59 2,4-Dimethylphenol	107		6.792				ND	
62 Bis(2-chloroethoxy)methane	93		6.888				ND	
65 2,4-Dichlorophenol	162		7.000				ND	
69 Naphthalene	128		7.171				ND	
71 4-Chloroaniline	127		7.257				ND	
73 Hexachlorobutadiene	225		7.342				ND	
78 Caprolactam	113		7.700				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107		7.871				ND	
82 2-Methylnaphthalene	142	7.994	7.989	0.005	70	6230	0.5859	
84 Hexachlorocyclopentadiene	237		8.192				ND	
86 2,4,6-Trichlorophenol	196		8.341				ND	
87 2,4,5-Trichlorophenol	196		8.395				ND	
90 1,1'-Biphenyl	154		8.544				ND	
91 2-Chloronaphthalene	162		8.555				ND	
93 2-Nitroaniline	65		8.689				ND	
96 Dimethyl phthalate	163		8.918				ND	
99 2,6-Dinitrotoluene	165		8.977				ND	
100 Acenaphthylene	152	9.036	9.036	0.000	70	9720	0.4138	
101 3-Nitroaniline	138		9.169				ND	
102 Acenaphthene	153	9.239	9.239	0.000	51	5218	0.2012	
103 2,4-Dinitrophenol	184		9.292				ND	
104 4-Nitrophenol	109		9.420				ND	
107 Dibenzofuran	168	9.442	9.442	0.000	64	4890	0.1178	
106 2,4-Dinitrotoluene	165		9.447				ND	
112 Diethyl phthalate	149		9.746				ND	
115 Fluorene	166	9.837	9.837	0.000	74	8188	0.4778	
116 4-Chlorophenyl phenyl ether	204		9.853				ND	
118 4-Nitroaniline	138		9.880				ND	
119 4,6-Dinitro-2-methylphenol	198		9.917				ND	
120 N-Nitrosodiphenylamine	169		9.987				ND	
130 4-Bromophenyl phenyl ether	248		10.382				ND	
131 Hexachlorobenzene	284		10.446				ND	
133 Atrazine	200		10.580				ND	
134 Pentachlorophenol	266		10.660				ND	
141 Phenanthrene	178	10.858	10.852	0.006	98	164600	7.07	
142 Anthracene	178	10.906	10.906	0.000	95	29053	1.18	
143 Carbazole	167	11.077	11.077	0.000	63	12659	0.5808	
145 Di-n-butyl phthalate	149		11.429				ND	
152 Fluoranthene	202	11.979	11.979	0.000	99	393972	13.5	
155 Pyrene	202	12.182	12.182	0.000	98	317996	10.9	
162 Butyl benzyl phthalate	149		12.749				ND	
166 3,3'-Dichlorobenzidine	252		13.197				ND	U
167 Benzo[a]anthracene	228	13.213	13.214	0.000	96	182969	6.26	
172 Bis(2-ethylhexyl) phthalate	149	13.219	13.235	-0.016	50	2523	0.1305	
169 Chrysene	228	13.245	13.245	0.000	94	191054	7.04	
168 Di-n-octyl phthalate	149		13.758				ND	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	97	247201	7.21	M
175 Benzo[k]fluoranthene	252	14.095	14.095	-0.011	1	152702	4.55	M
177 Benzo[a]pyrene	252	14.335	14.335	0.000	97	178903	5.88	
180 Indeno[1,2,3-cd]pyrene	276	15.270	15.270	0.000	95	143319	3.65	
181 Dibenz(a,h)anthracene	278		15.276				ND	
182 Benzo[g,h,i]perylene	276	15.521	15.521	0.000	95	148523	4.99	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

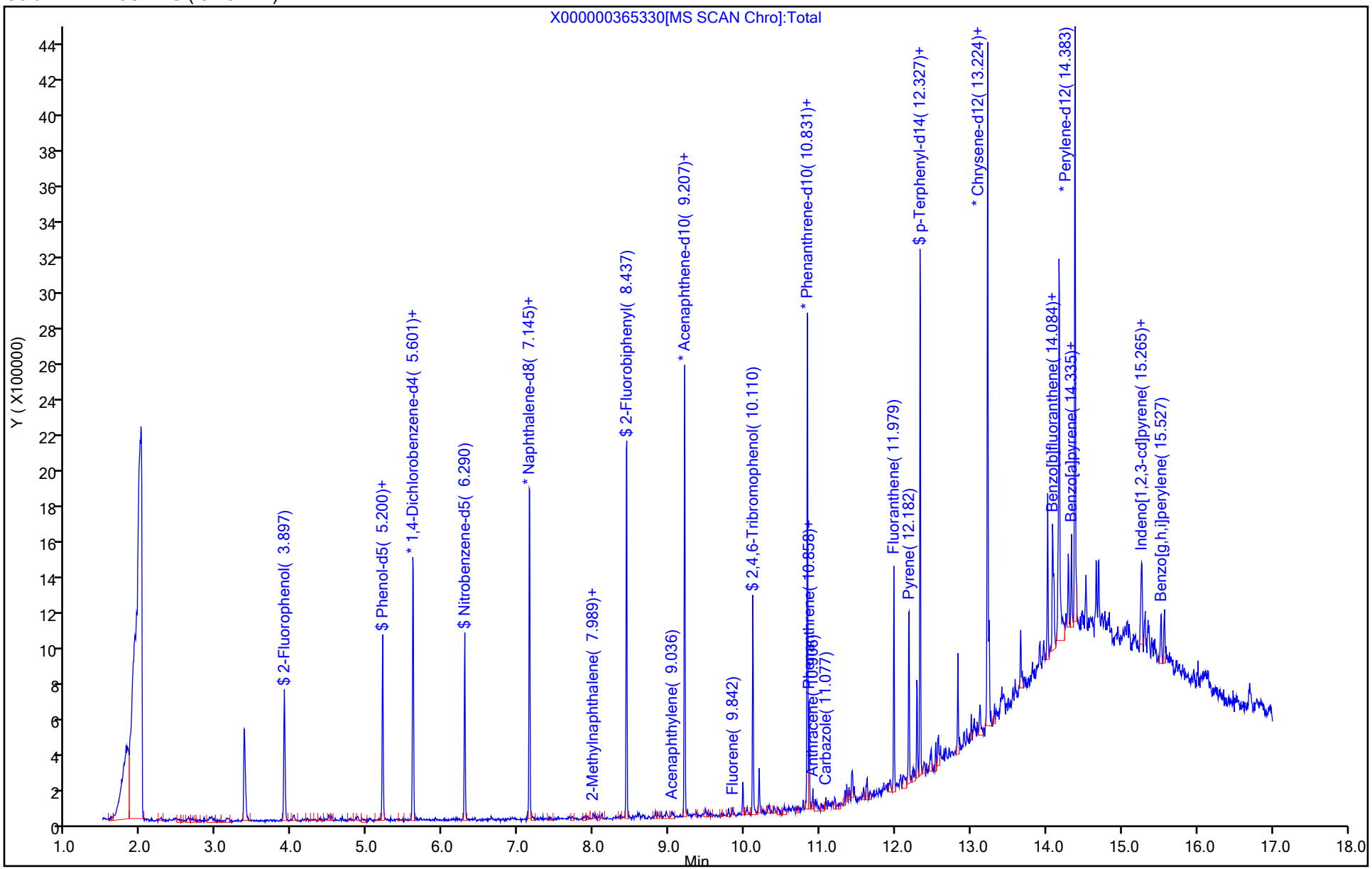
Report Date: 05-Sep-2025 08:58:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4	Worklist Smp#:	13
Client ID:	SB-04-CONF-W-1Ft				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d
Lims ID: 480-232238-A-4-A
Client ID: SB-04-CONF-W-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 15:19:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-013
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:58:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	27.0	67.58
$ 8 Phenol-d5	40.0	29.6	73.98
$ 9 Nitrobenzene-d5	40.0	29.4	73.39
$ 10 2-Fluorobiphenyl	40.0	32.5	81.14
$ 11 2,4,6-Tribromophenol	40.0	33.8	84.53
$ 12 p-Terphenyl-d14	40.0	33.0	82.59

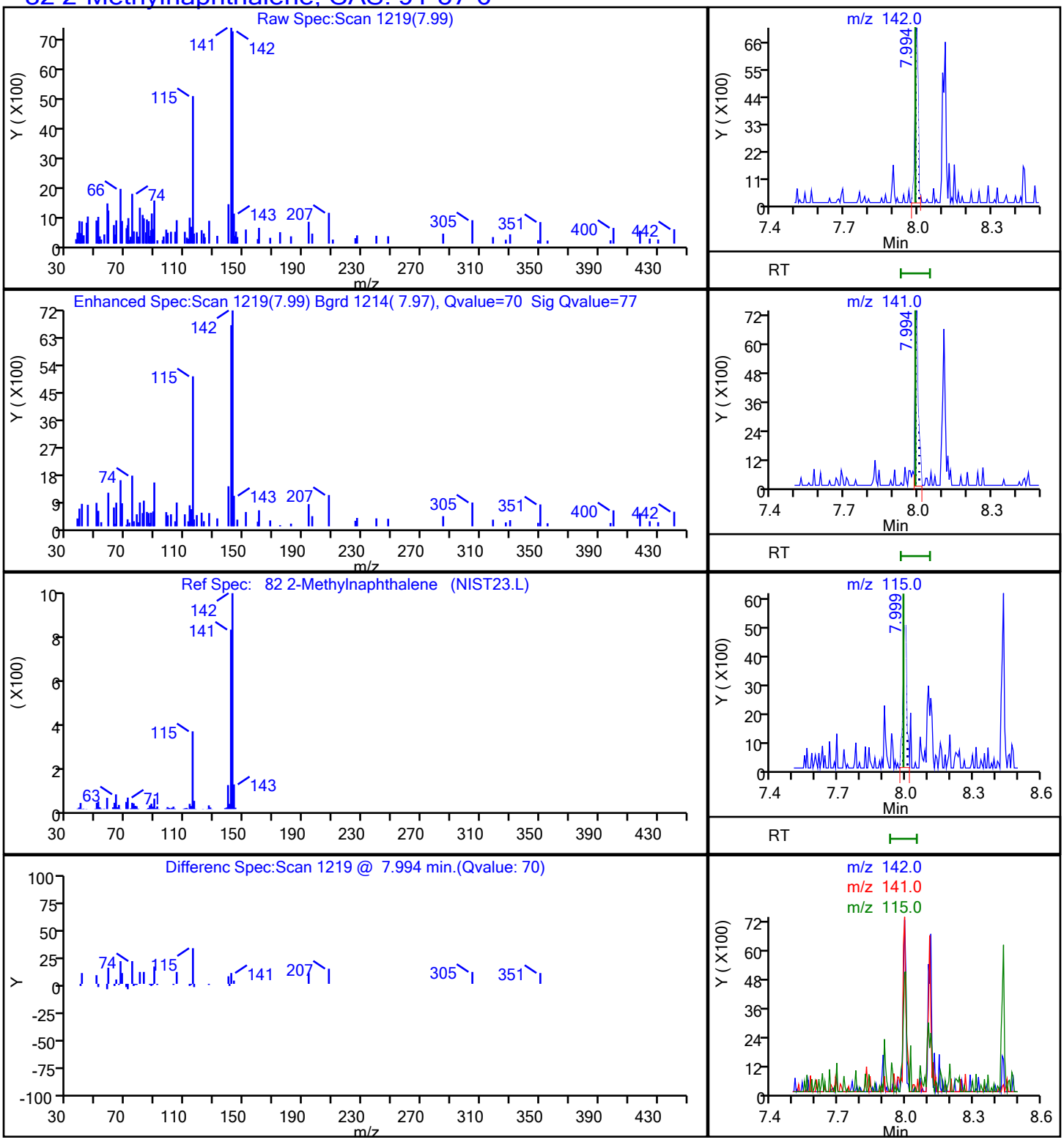
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Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

82 2-Methylnaphthalene, CAS: 91-57-6



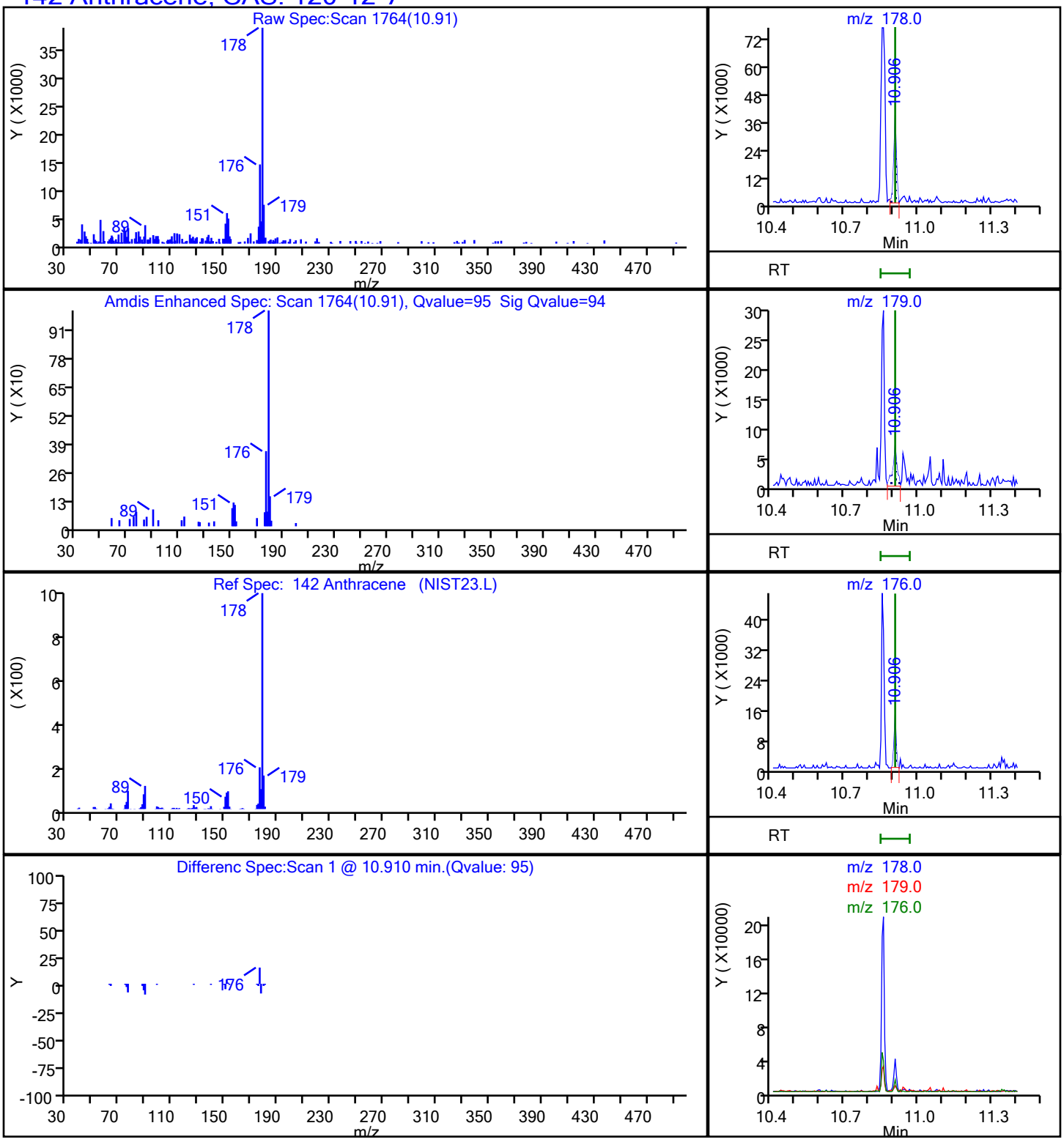
Report Date: 05-Sep-2025 08:58:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

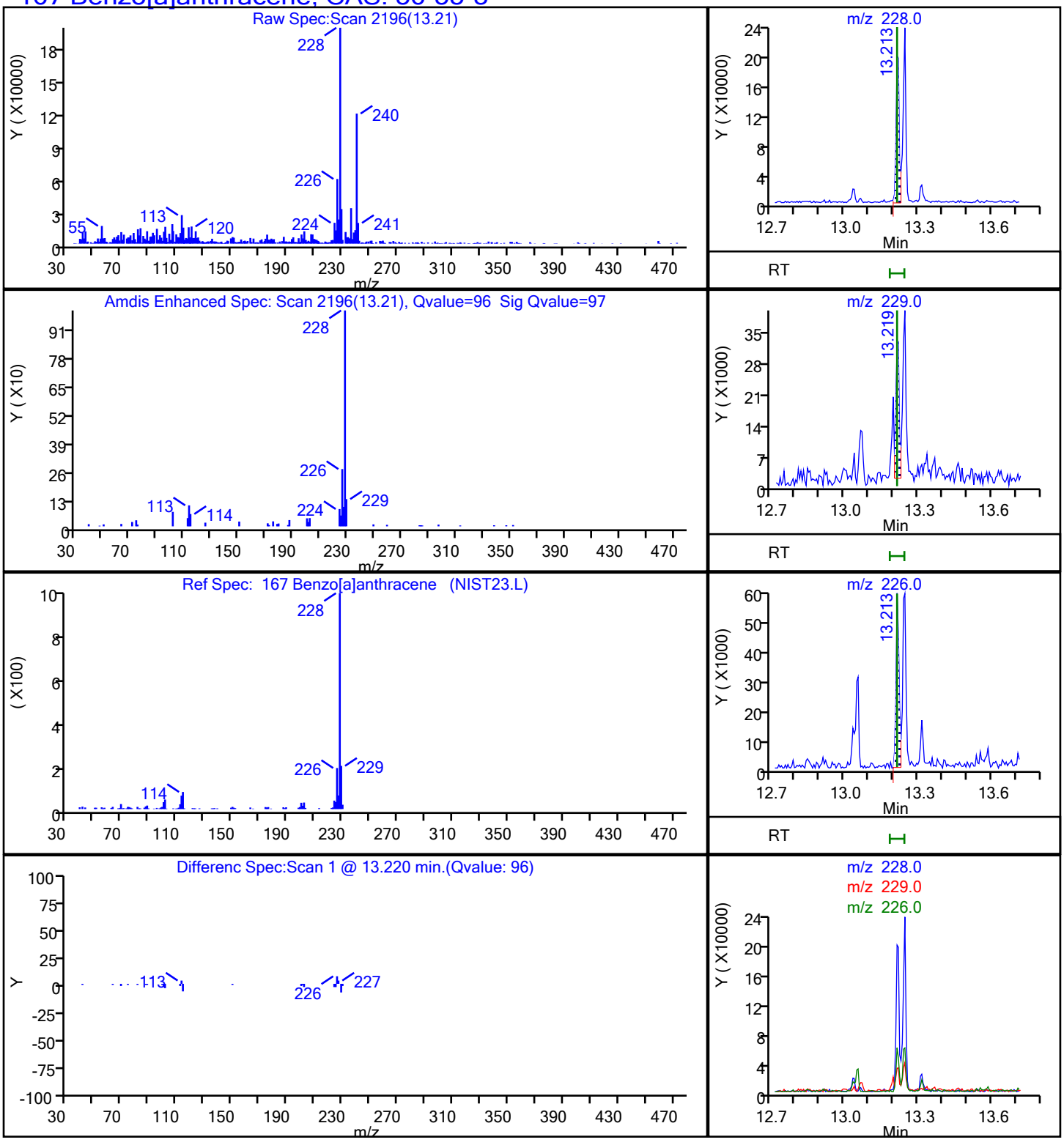
142 Anthracene, CAS: 120-12-7



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

167 Benzo[a]anthracene, CAS: 56-55-3



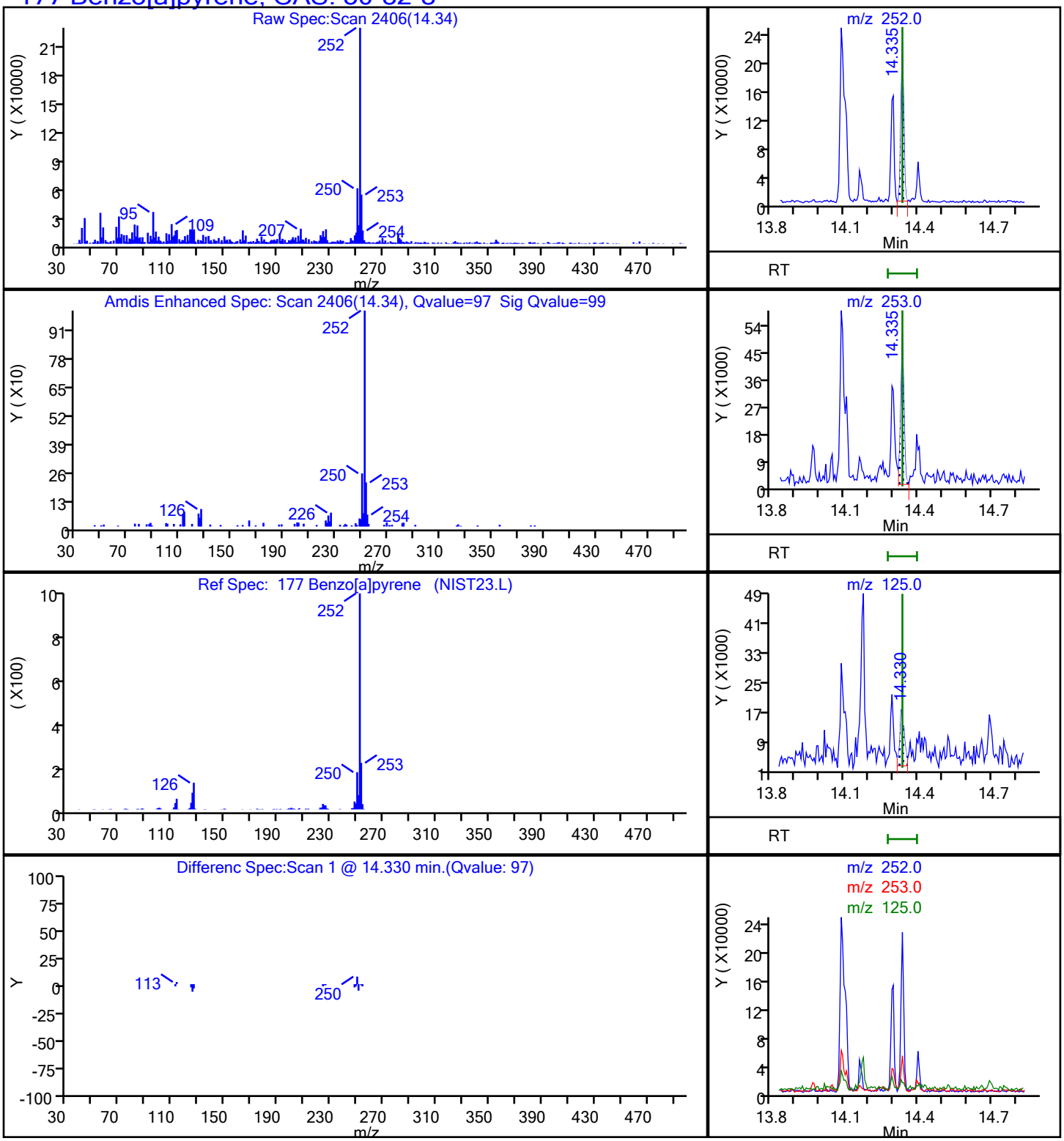
Report Date: 05-Sep-2025 08:58:51 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

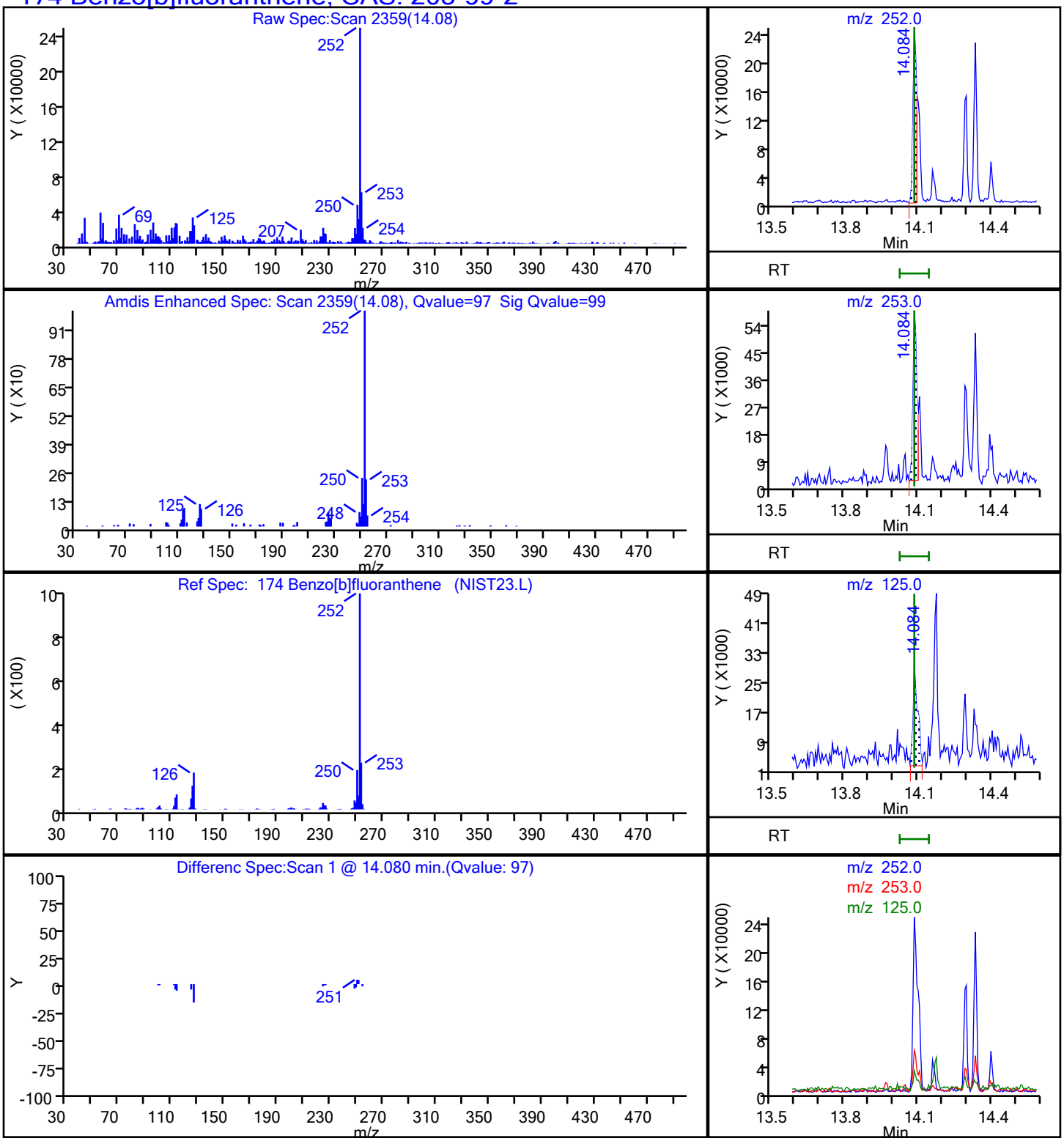
177 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

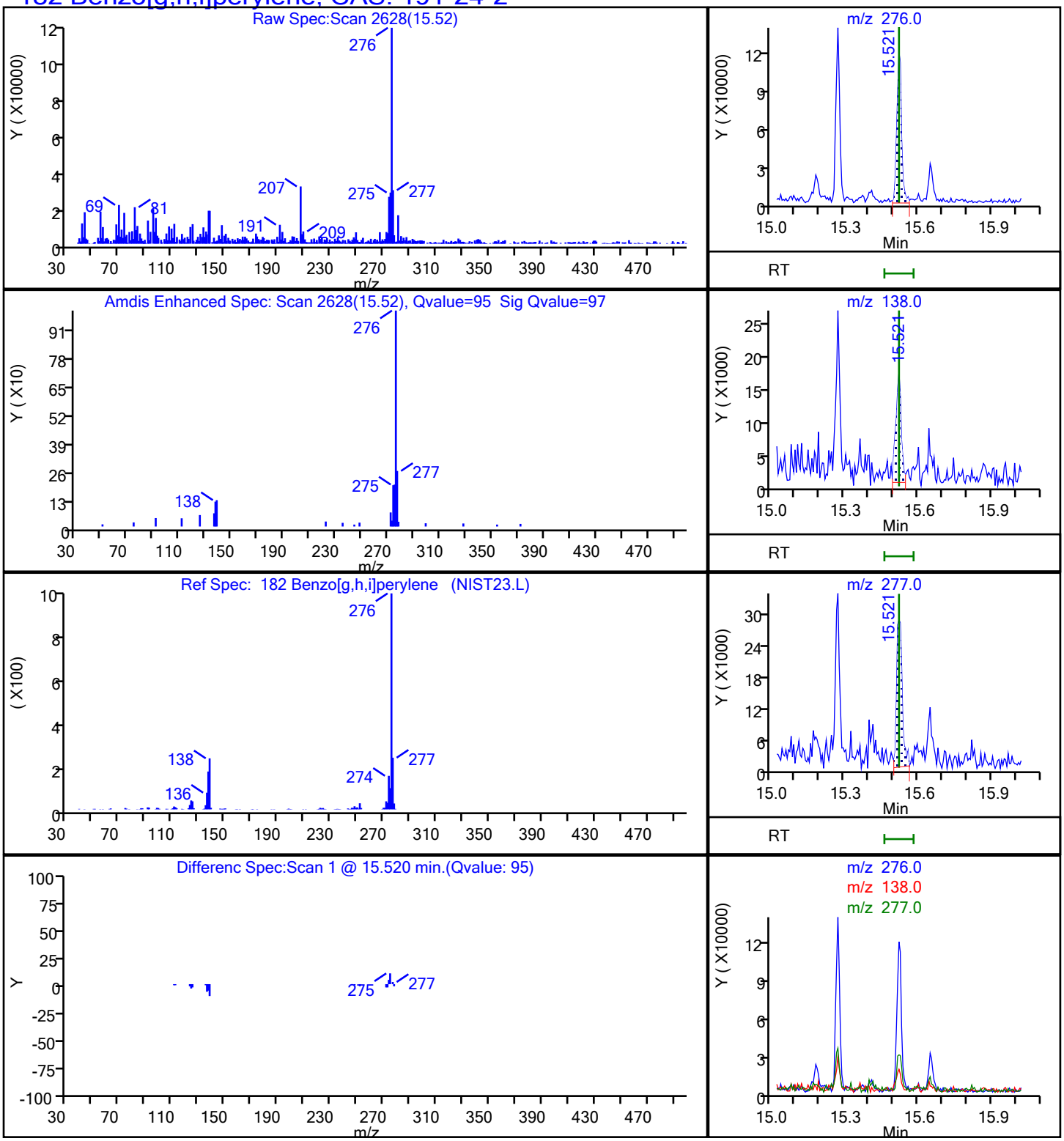
174 Benzo[b]fluoranthene, CAS: 205-99-2



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

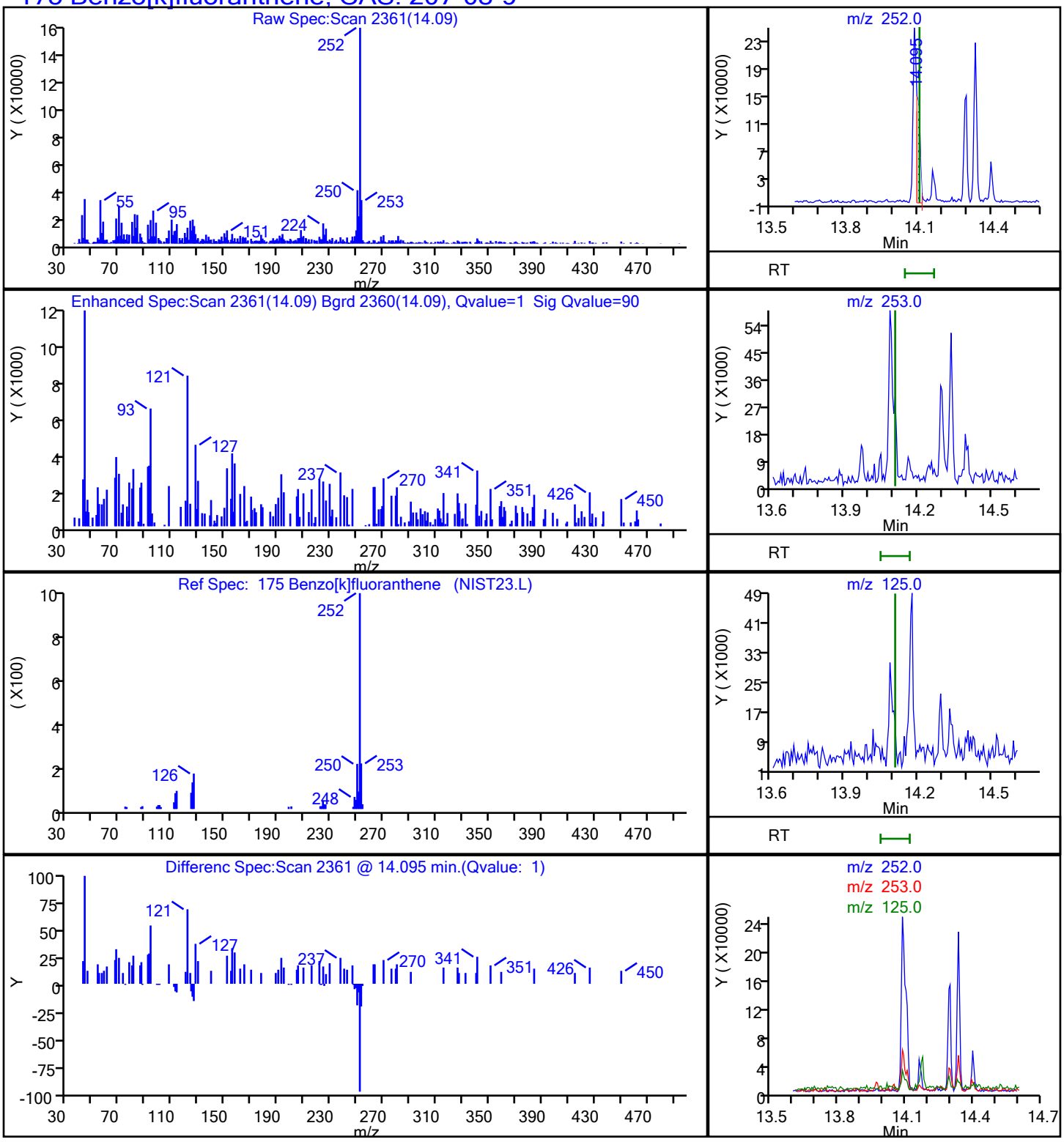
182 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

175 Benzo[k]fluoranthene, CAS: 207-08-9



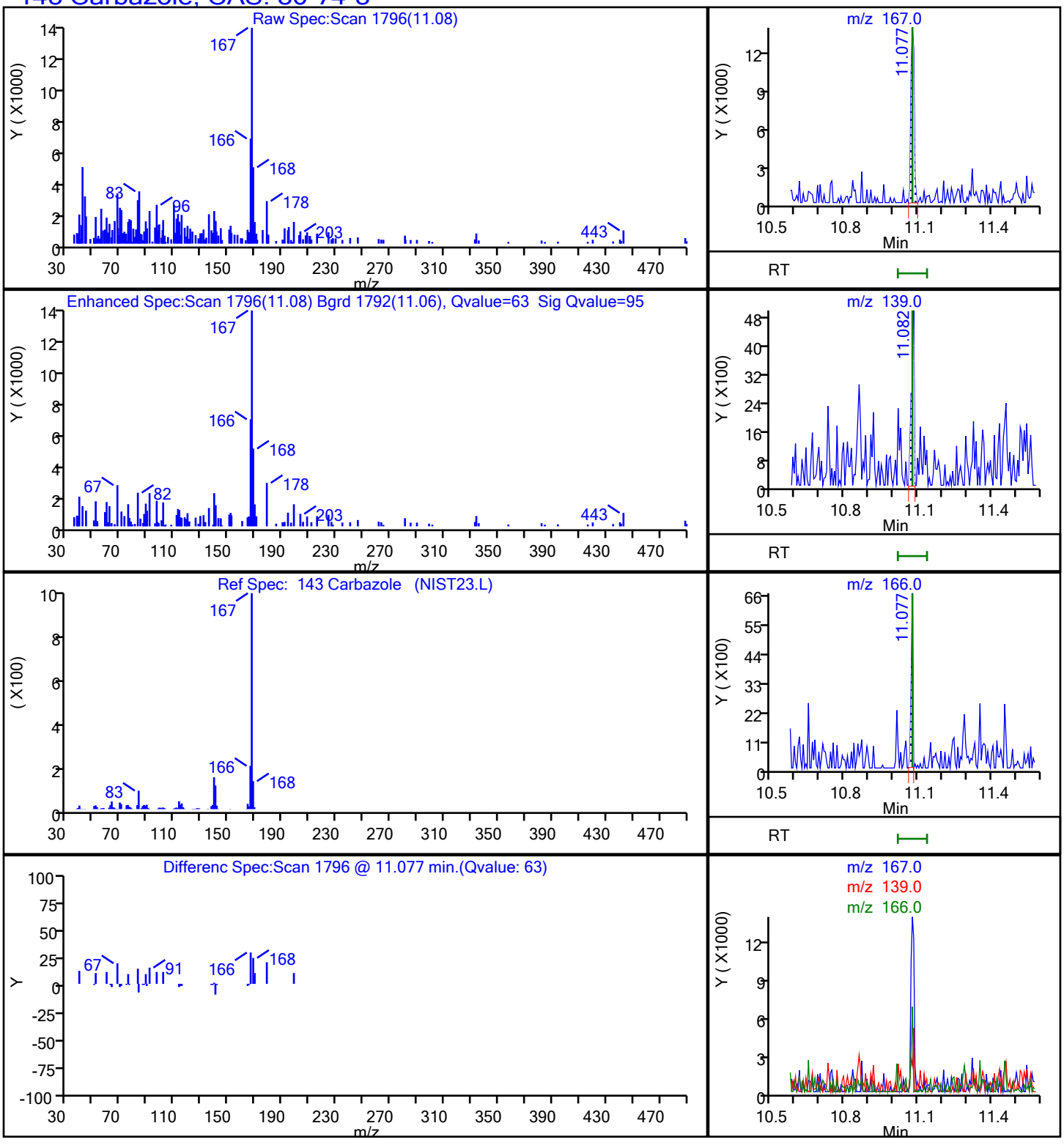
Report Date: 05-Sep-2025 08:58:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

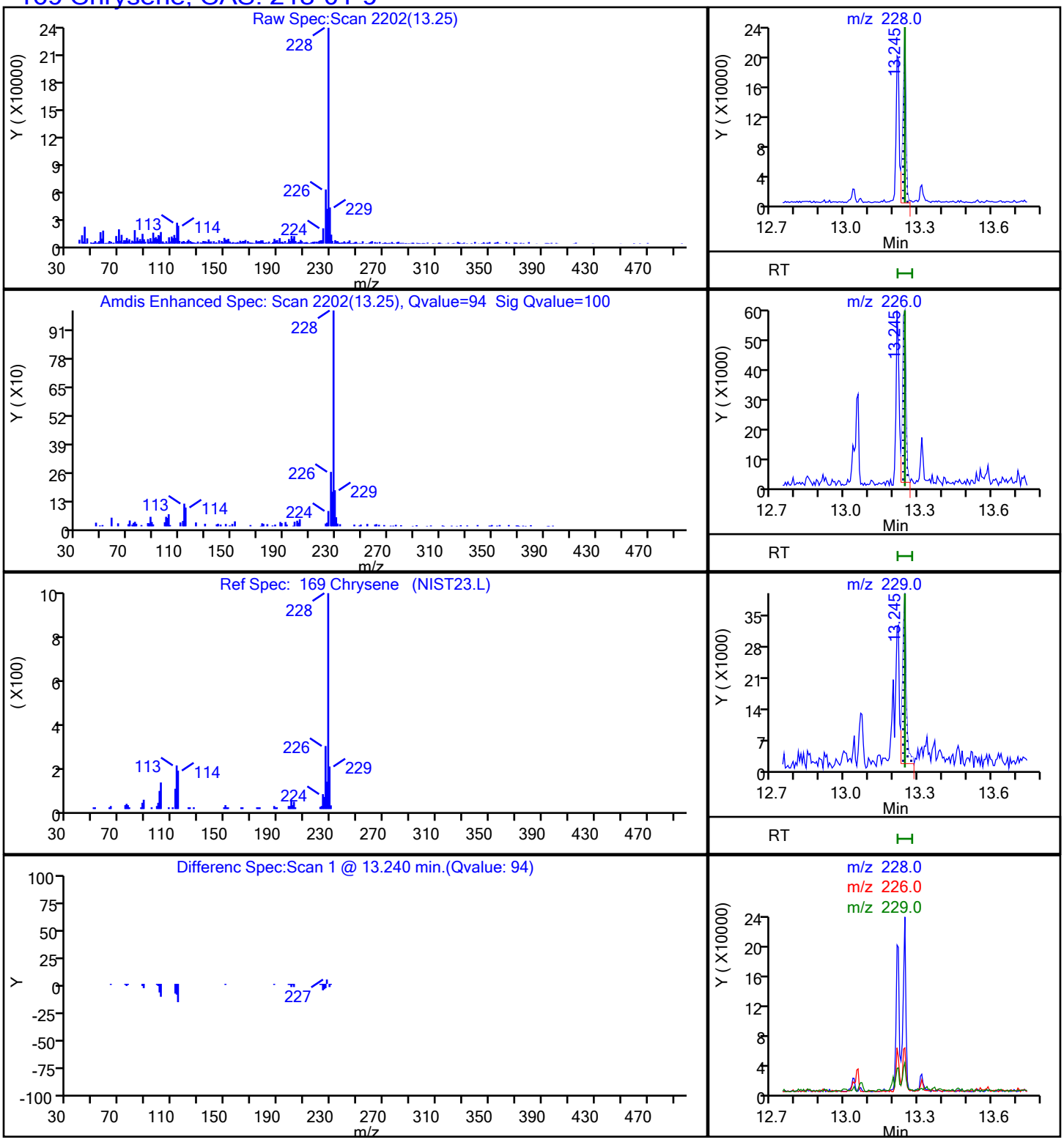
143 Carbazole, CAS: 86-74-8



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

169 Chrysene, CAS: 218-01-9

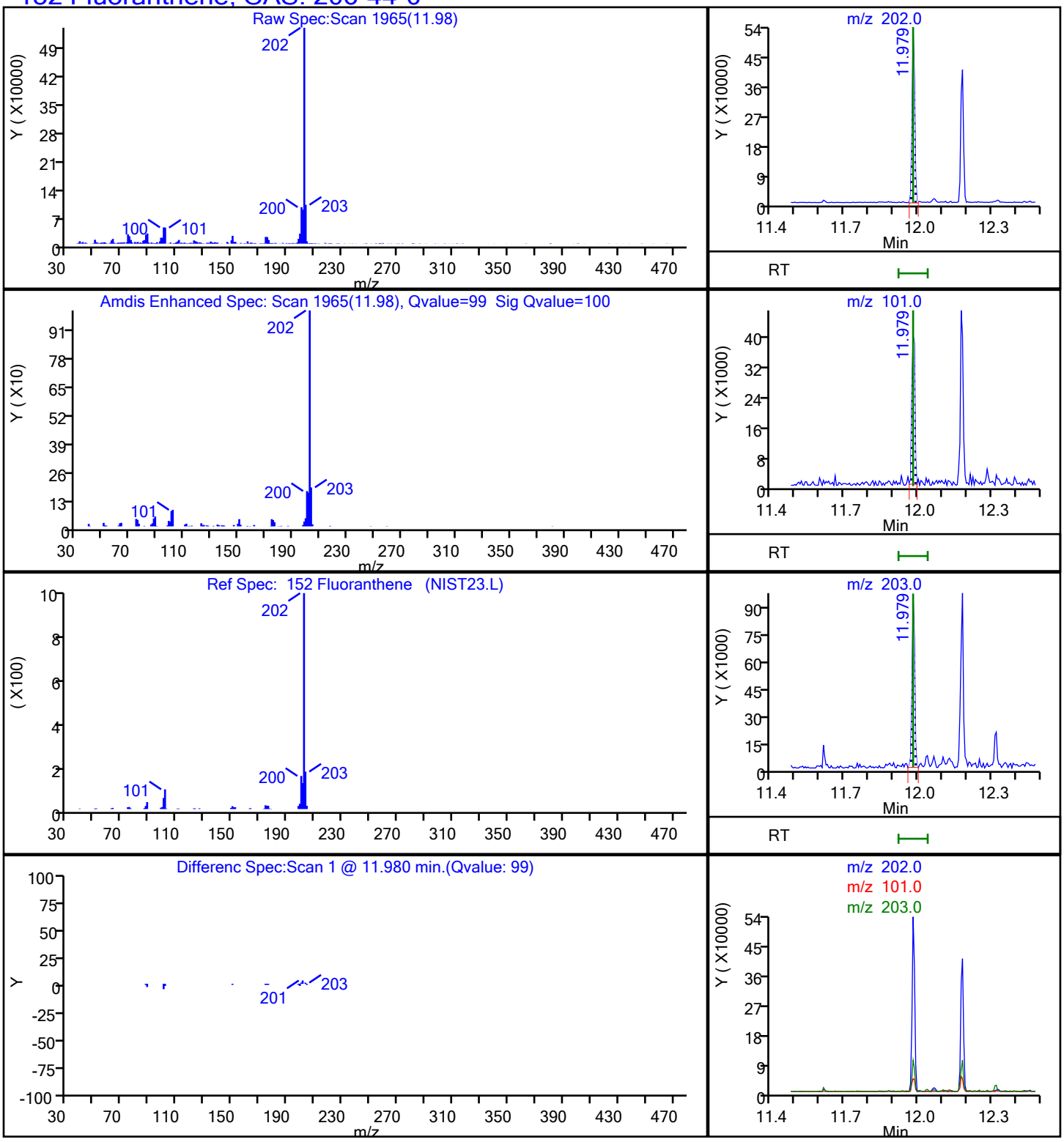


Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4
Client ID:	SB-04-CONF-W-1Ft		
Operator ID:	AF	ALS Bottle#:	13 Worklist Smp#: 13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	X-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

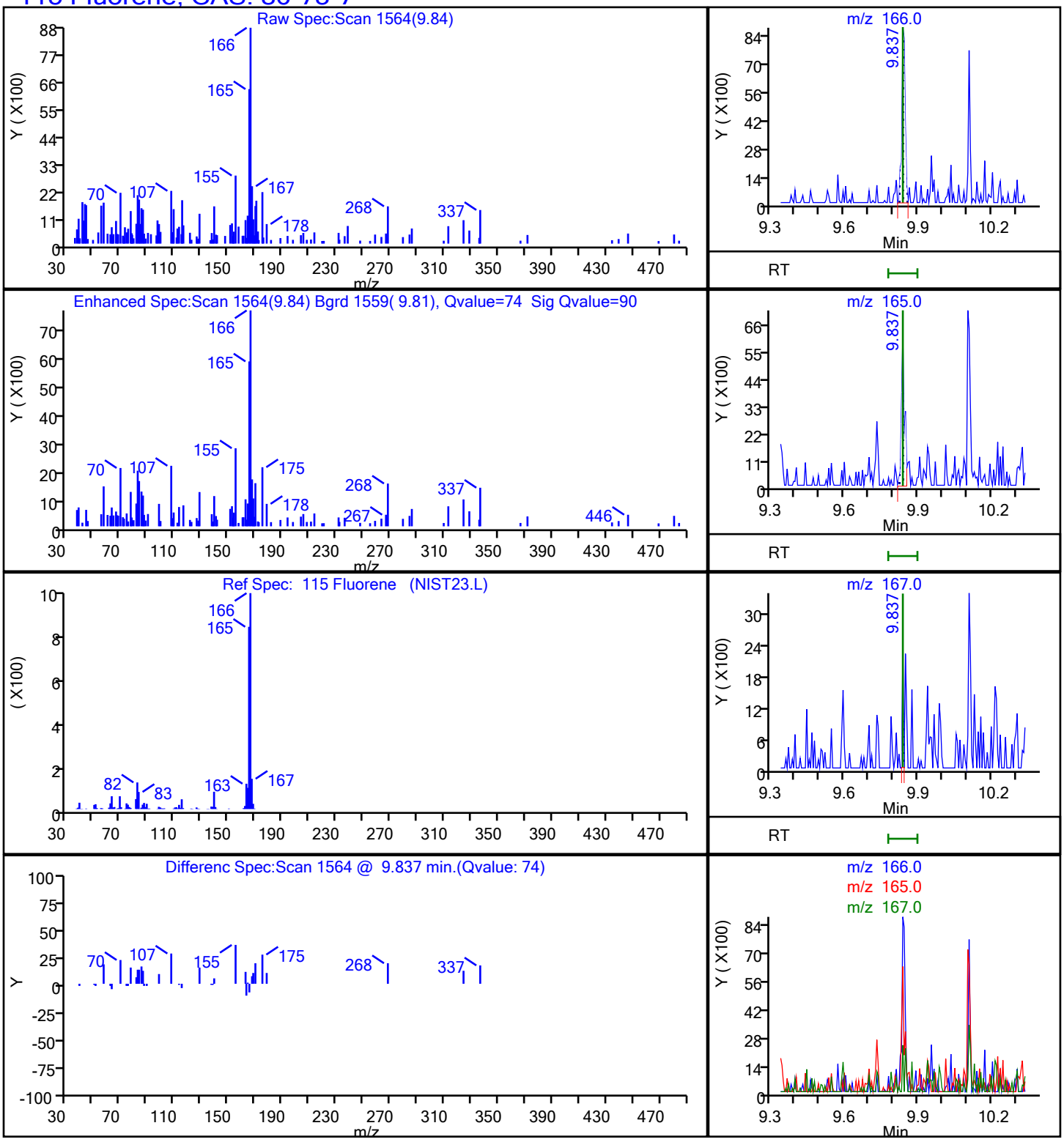
152 Fluoranthene, CAS: 206-44-0



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

115 Fluorene, CAS: 86-73-7



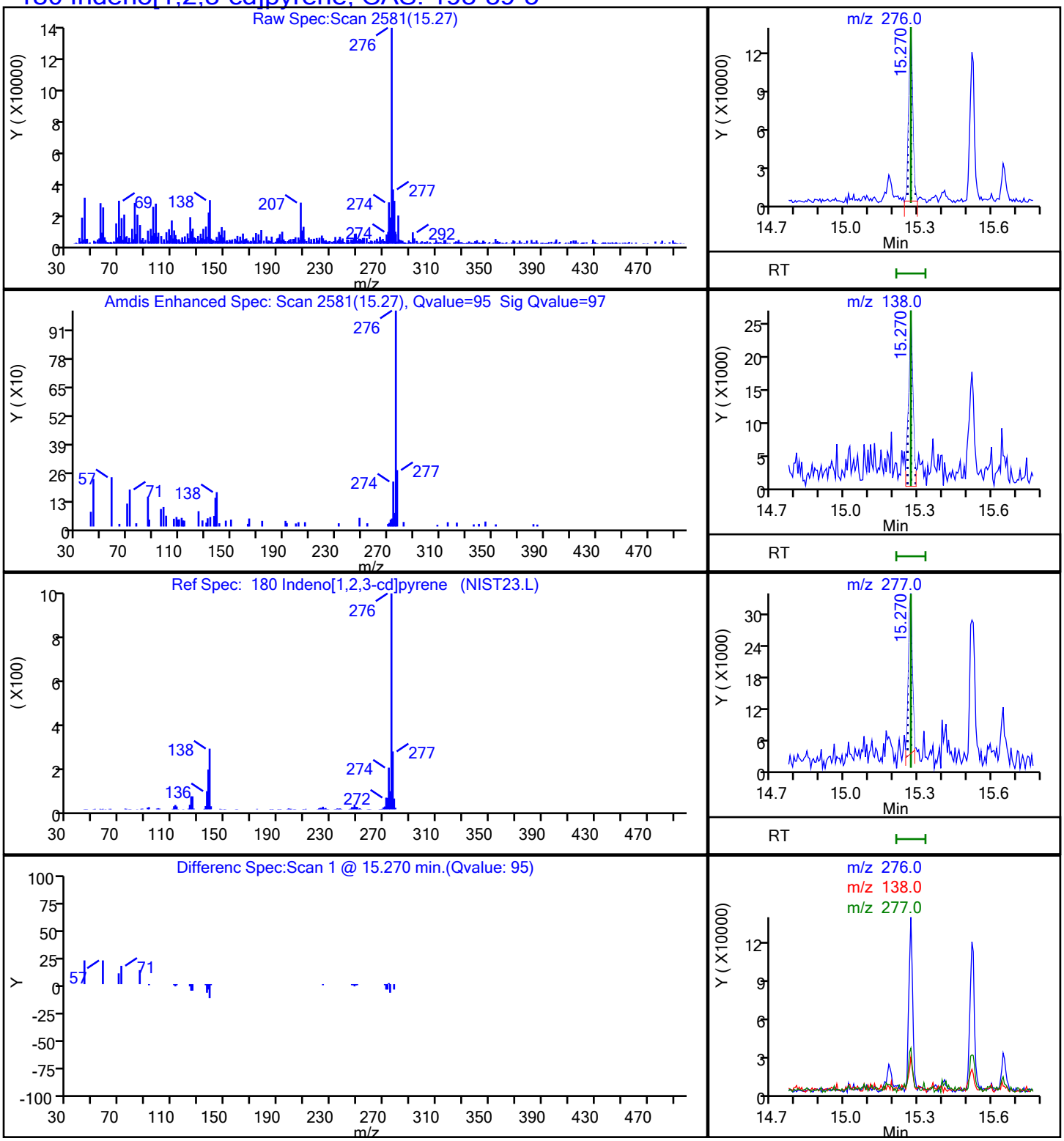
Report Date: 05-Sep-2025 08:58:51 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

180 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



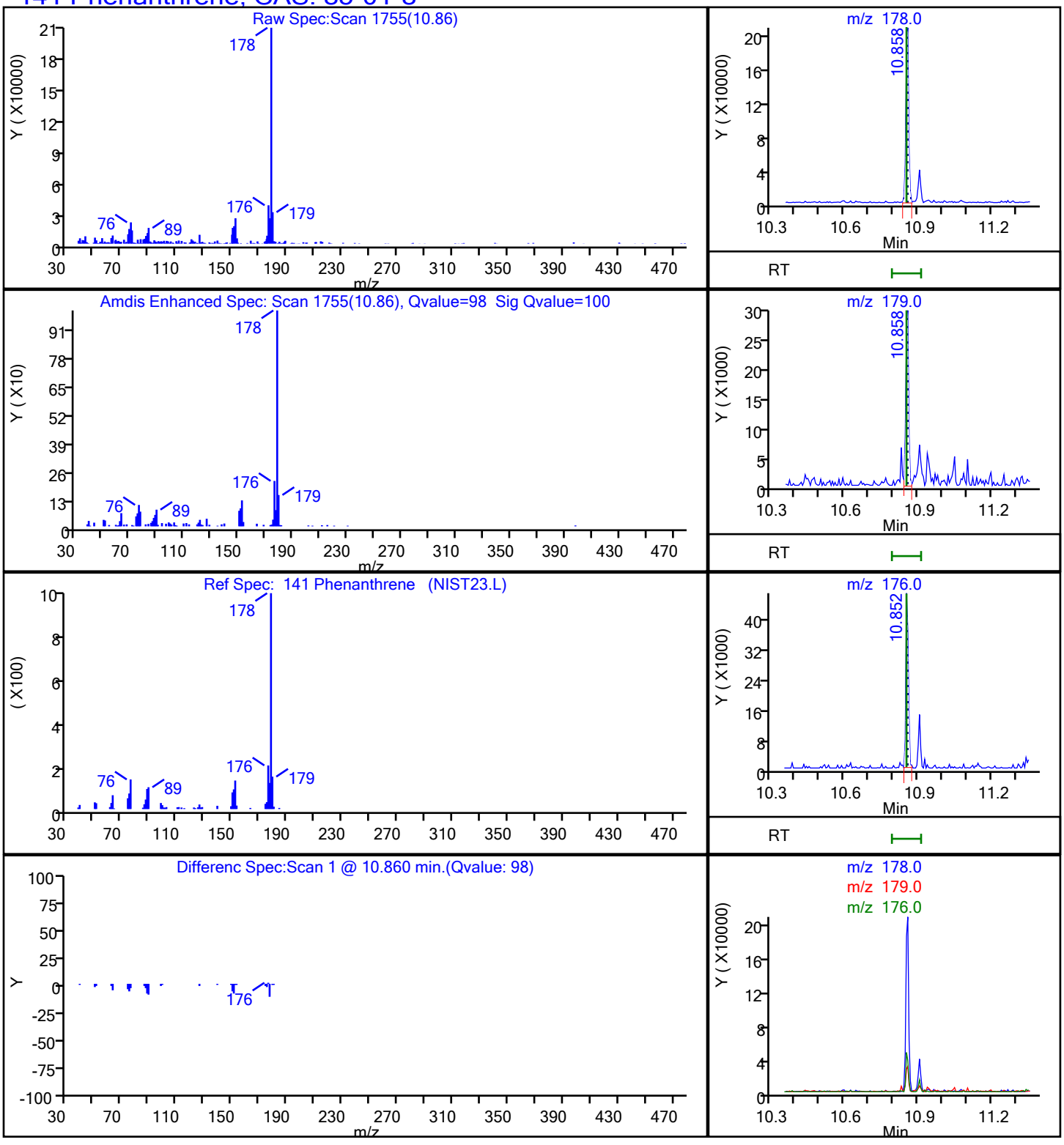
Report Date: 05-Sep-2025 08:58:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

141 Phenanthrene, CAS: 85-01-8



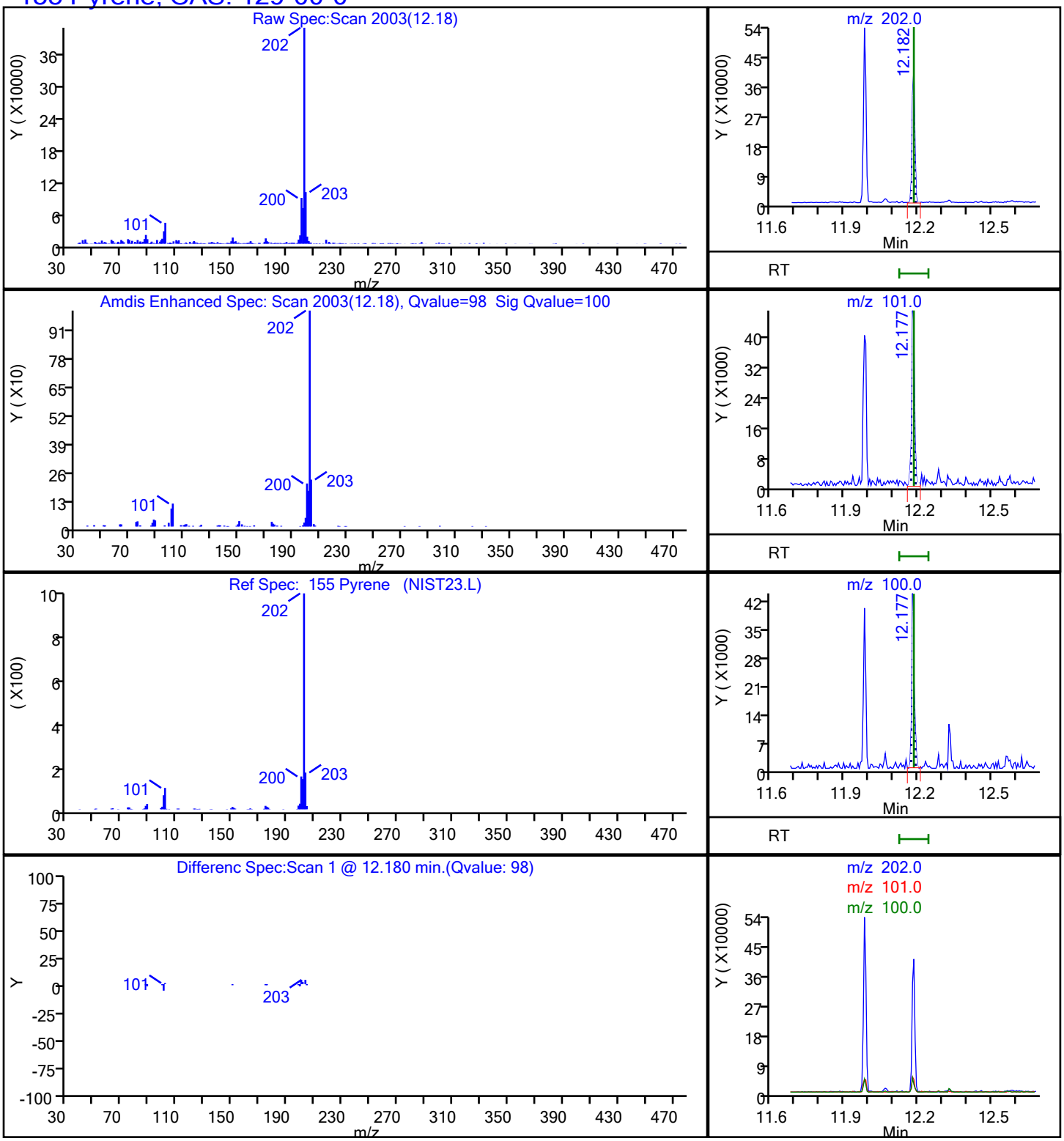
Report Date: 05-Sep-2025 08:58:50 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d

Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Pyrene, CAS: 129-00-0



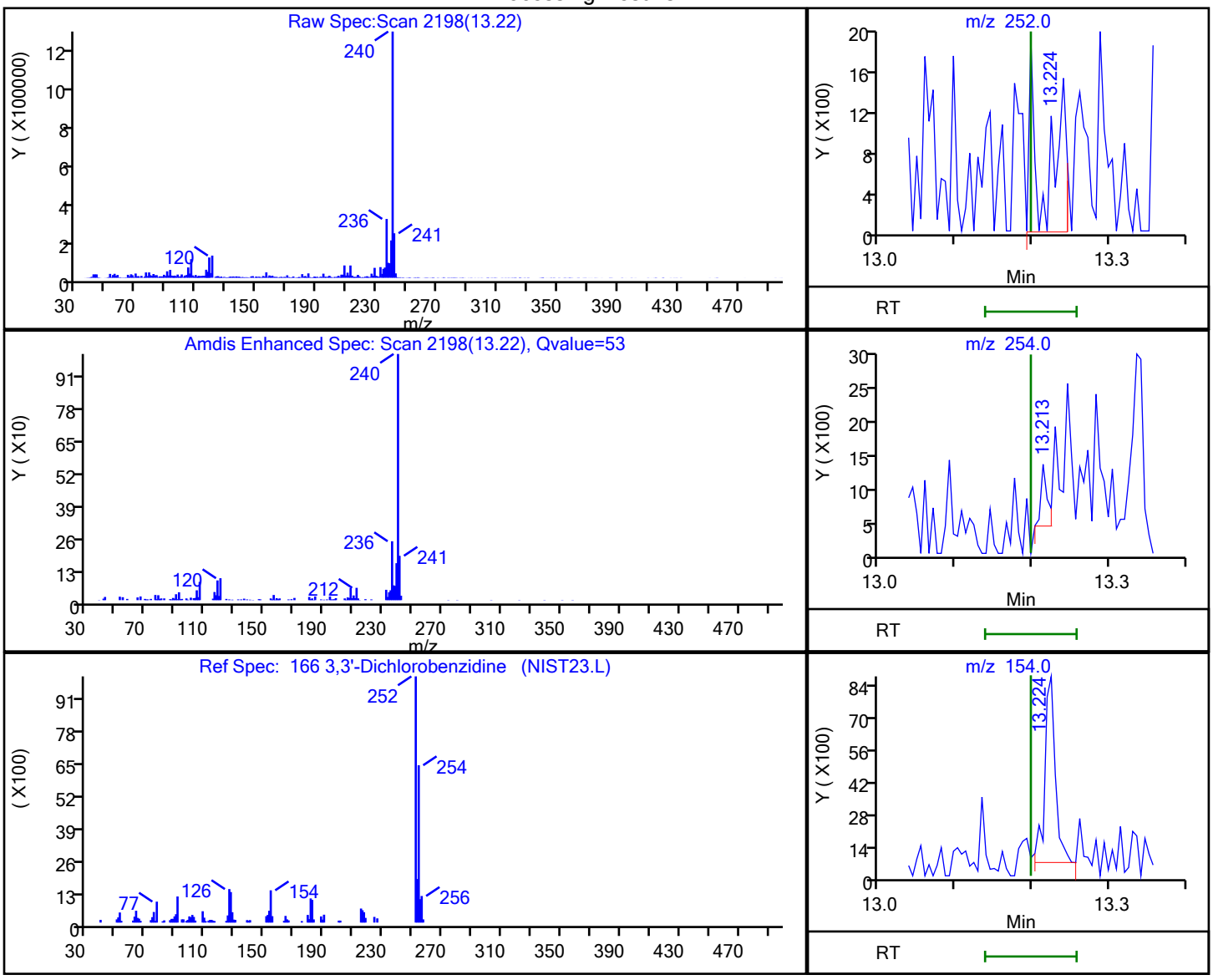
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

166 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
13.22	252.00	2381	0.993933
13.21	254.00	529	
13.22	154.00	7932	

Reviewer: PY8T, 05-Sep-2025 08:57:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Buffalo

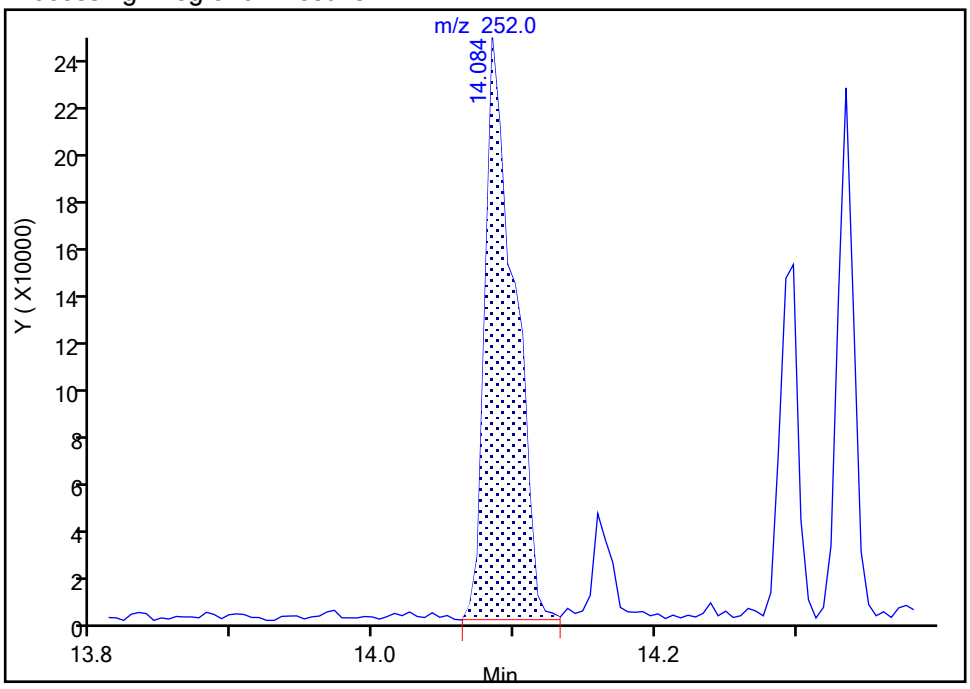
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

174 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

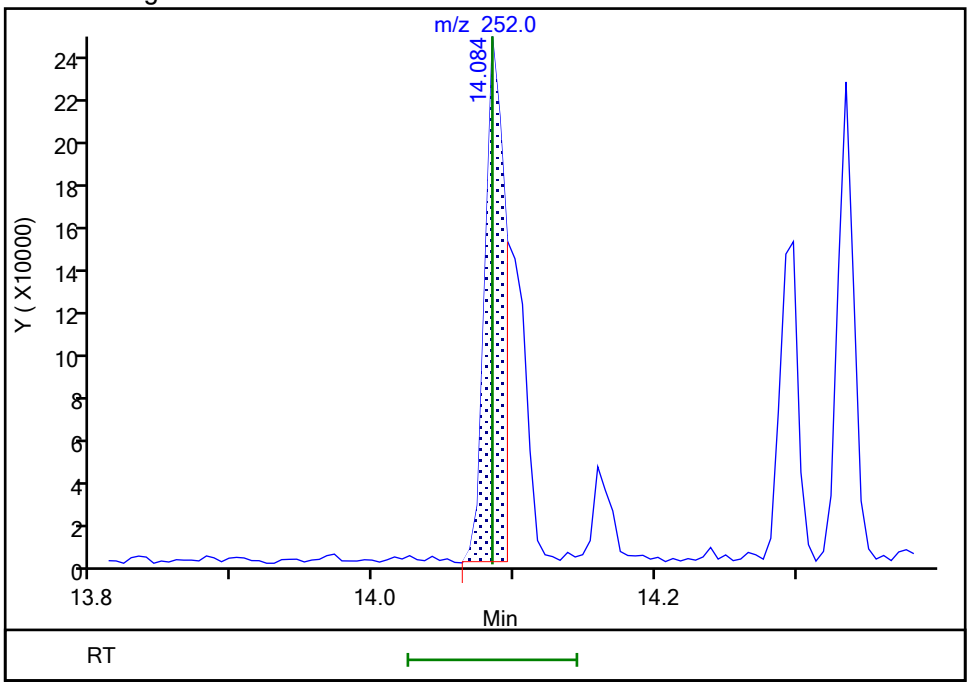
Processing Integration Results

RT: 14.08
Area: 354732
Amount: 10.300369
Amount Units: ng/uL



Manual Integration Results

RT: 14.08
Area: 247201
Amount: 7.214442
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:57:52 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

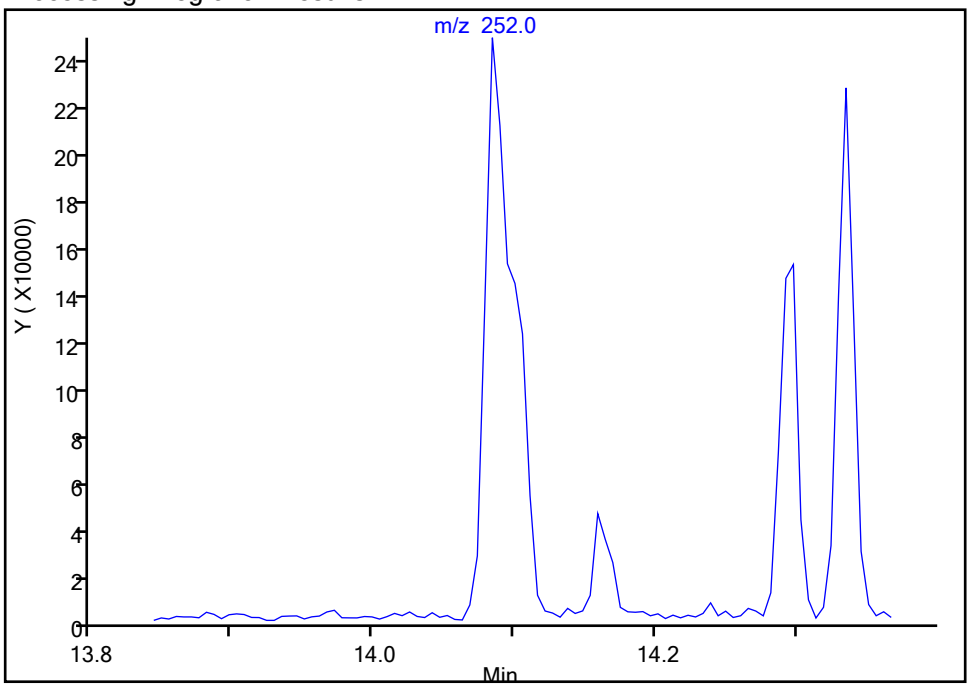
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365330.d				
Injection Date:	04-Sep-2025 15:19:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-4-A	Lab Sample ID:	480-232238-4		
Client ID:	SB-04-CONF-W-1Ft				
Operator ID:	AF	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

175 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

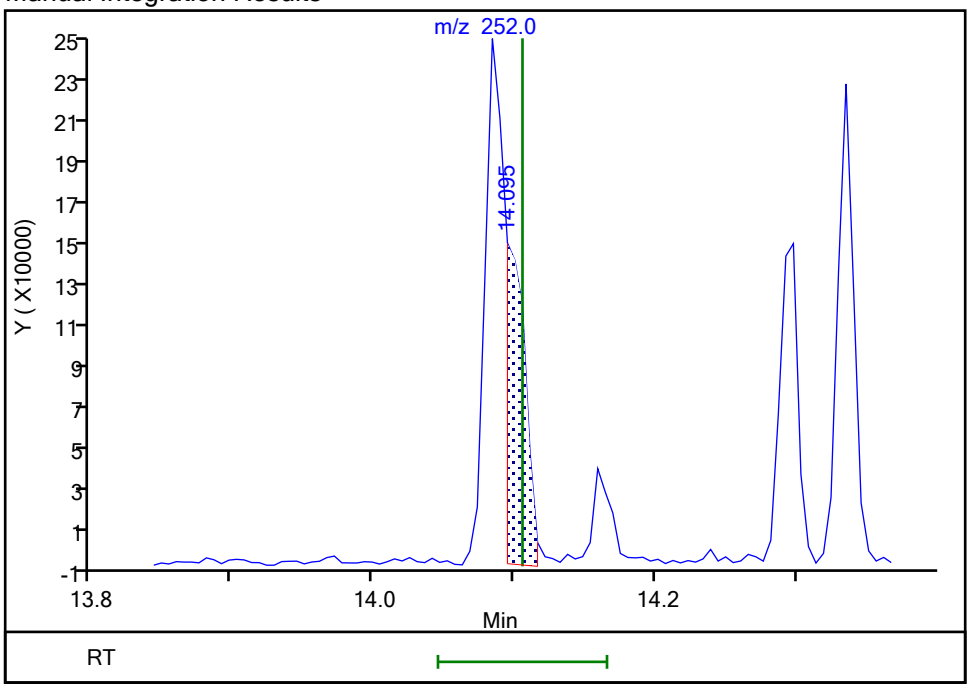
Not Detected
Expected RT: 14.11

Processing Integration Results



Manual Integration Results

RT: 14.09
Area: 152702
Amount: 4.554326
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:58:06 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft | Lab Sample ID: 480-232238-5

Matrix: Solid | Lab File ID: X000000365326.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.12(g) | Date Analyzed: 09/04/2025 13:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	37
88-06-2	2,4,6-Trichlorophenol	ND		180	28
120-83-2	2,4-Dichlorophenol	ND		180	35
105-67-9	2,4-Dimethylphenol	ND		180	38
51-28-5	2,4-Dinitrophenol	ND		1800	35
121-14-2	2,4-Dinitrotoluene	ND		180	25
606-20-2	2,6-Dinitrotoluene	ND		180	26
91-58-7	2-Chloronaphthalene	ND		180	34
95-57-8	2-Chlorophenol	ND		180	28
91-57-6	2-Methylnaphthalene	ND		180	29
95-48-7	2-Methylphenol	ND		180	29
88-74-4	2-Nitroaniline	ND		350	31
88-75-5	2-Nitrophenol	ND		180	21
91-94-1	3,3'-Dichlorobenzidine	ND		350	53
99-09-2	3-Nitroaniline	ND		350	26
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	40
101-55-3	4-Bromophenyl phenyl ether	ND		180	31
59-50-7	4-Chloro-3-methylphenol	ND		180	37
106-47-8	4-Chloroaniline	ND		180	26
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	38
106-44-5	4-Methylphenol	ND		350	32
100-01-6	4-Nitroaniline	ND		350	27
100-02-7	4-Nitrophenol	ND		350	50
83-32-9	Acenaphthene	ND		180	34
208-96-8	Acenaphthylene	ND		180	35
98-86-2	Acetophenone	ND		180	32
120-12-7	Anthracene	ND		180	33
1912-24-9	Atrazine	ND		180	61
100-52-7	Benzaldehyde	ND		180	140
56-55-3	Benzo[a]anthracene	ND		180	25
50-32-8	Benzo[a]pyrene	90	J	180	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft | Lab Sample ID: 480-232238-5

Matrix: Solid | Lab File ID: X000000365326.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.12(g) | Date Analyzed: 09/04/2025 13:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	110	J	180	24
191-24-2	Benzo[g,h,i]perylene	72	J	180	32
207-08-9	Benzo[k]fluoranthene	ND		180	41
92-52-4	Biphenyl	ND		180	34
108-60-1	bis (2-chloroisopropyl) ether	ND		180	37
111-91-1	Bis(2-chloroethoxy)methane	ND		180	35
111-44-4	Bis(2-chloroethyl)ether	ND		180	34
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	39
85-68-7	Butyl benzyl phthalate	ND		180	33
105-60-2	Caprolactam	ND		180	42
86-74-8	Carbazole	ND		180	36
218-01-9	Chrysene	94	J	180	44
53-70-3	Dibenz(a,h)anthracene	ND		180	37
132-64-9	Dibenzofuran	ND		180	32
84-66-2	Diethyl phthalate	ND		180	32
131-11-3	Dimethyl phthalate	ND		180	35
84-74-2	Di-n-butyl phthalate	ND		180	41
117-84-0	Di-n-octyl phthalate	ND		180	35
206-44-0	Fluoranthene	140	J F2	180	33
86-73-7	Fluorene	ND		180	33
118-74-1	Hexachlorobenzene	ND		180	35
87-68-3	Hexachlorobutadiene	ND		180	27
77-47-4	Hexachlorocyclopentadiene	ND		350	79
67-72-1	Hexachloroethane	ND		180	33
193-39-5	Indeno[1,2,3-cd]pyrene	50	J	180	27
78-59-1	Isophorone	ND		180	37
91-20-3	Naphthalene	ND		180	30
98-95-3	Nitrobenzene	ND		180	30
621-64-7	N-Nitrosodi-n-propylamine	ND		180	41
86-30-6	N-Nitrosodiphenylamine	ND		180	30
87-86-5	Pentachlorophenol	ND		350	58

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft | Lab Sample ID: 480-232238-5

Matrix: Solid | Lab File ID: X000000365326.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.12(g) | Date Analyzed: 09/04/2025 13:39

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND	F2	180	34
108-95-2	Phenol	ND		180	33
129-00-0	Pyrene	130	J	180	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		10-140
321-60-8	2-Fluorobiphenyl	87		29-120
367-12-4	2-Fluorophenol	71		18-120
4165-60-0	Nitrobenzene-d5	74		22-120
4165-62-2	Phenol-d5	68		23-120
1718-51-0	p-Terphenyl-d14	86		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d
Lims ID: 480-232238-A-5-C
Client ID: SB-04-CONF-D-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 13:39:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-009
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:53:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	96	245421	40.0	
* 2 Naphthalene-d8	136	7.145	7.145	0.000	98	761133	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	93	446826	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	98	793496	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	98	754890	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	100	931836	40.0	
$ 7 2-Fluorophenol	112	3.886	3.886	0.000	91	252805	28.4	
$ 8 Phenol-d5	99	5.195	5.195	0.000	77	324097	27.3	
$ 9 Nitrobenzene-d5	82	6.285	6.285	0.000	88	344636	29.6	
$ 10 2-Fluorobiphenyl	172	8.437	8.432	0.005	97	574033	34.6	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	91	94894	31.1	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	97	676225	34.3	
27 Benzaldehyde	77		5.034				ND	
28 Phenol	94		5.211				ND	
31 Bis(2-chloroethyl)ether	93		5.280				ND	
32 2-Chlorophenol	128		5.344				ND	
42 2,2'-oxybis[1-chloropropane]	45		5.964				ND	
40 2-Methylphenol	108		5.964				ND	
45 Acetophenone	105		6.108				ND	
47 N-Nitrosodi-n-propylamine	70		6.124				ND	
46 4-Methylphenol	108		6.162				ND	
50 Hexachloroethane	117		6.220				ND	
52 Nitrobenzene	77		6.311				ND	
56 Isophorone	82		6.605				ND	
58 2-Nitrophenol	139		6.696				ND	
59 2,4-Dimethylphenol	107		6.792				ND	
62 Bis(2-chloroethoxy)methane	93		6.888				ND	
65 2,4-Dichlorophenol	162		7.000				ND	
69 Naphthalene	128		7.171				ND	
71 4-Chloroaniline	127		7.257				ND	
73 Hexachlorobutadiene	225		7.342				ND	
78 Caprolactam	113		7.700				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107		7.871				ND	
82 2-Methylnaphthalene	142		7.989				ND	
84 Hexachlorocyclopentadiene	237		8.192				ND	
86 2,4,6-Trichlorophenol	196		8.341				ND	
87 2,4,5-Trichlorophenol	196		8.395				ND	
90 1,1'-Biphenyl	154		8.544				ND	
91 2-Chloronaphthalene	162		8.555				ND	
93 2-Nitroaniline	65		8.689				ND	
96 Dimethyl phthalate	163		8.918				ND	
99 2,6-Dinitrotoluene	165		8.977				ND	
100 Acenaphthylene	152		9.036				ND	
101 3-Nitroaniline	138		9.169				ND	
102 Acenaphthene	153		9.239				ND	
103 2,4-Dinitrophenol	184		9.292				ND	
104 4-Nitrophenol	109		9.420				ND	
107 Dibenzofuran	168		9.442				ND	
106 2,4-Dinitrotoluene	165		9.447				ND	
112 Diethyl phthalate	149		9.746				ND	
115 Fluorene	166		9.837				ND	
116 4-Chlorophenyl phenyl ether	204		9.853				ND	
118 4-Nitroaniline	138		9.880				ND	
119 4,6-Dinitro-2-methylphenol	198		9.917				ND	
120 N-Nitrosodiphenylamine	169		9.987				ND	
130 4-Bromophenyl phenyl ether	248		10.382				ND	
131 Hexachlorobenzene	284		10.446				ND	
133 Atrazine	200		10.580				ND	
134 Pentachlorophenol	266		10.660				ND	
141 Phenanthrene	178		10.852				ND	
142 Anthracene	178		10.906				ND	
143 Carbazole	167		11.077				ND	
145 Di-n-butyl phthalate	149		11.429				ND	
152 Fluoranthene	202	11.979	11.979	0.000	98	51733	1.99	
155 Pyrene	202	12.177	12.182	-0.005	95	45530	1.82	
162 Butyl benzyl phthalate	149		12.749				ND	
166 3,3'-Dichlorobenzidine	252		13.197				ND	
167 Benzo[a]anthracene	228		13.213				ND	
172 Bis(2-ethylhexyl) phthalate	149		13.235				ND	U
169 Chrysene	228	13.240	13.245	-0.005	91	30493	1.32	
168 Di-n-octyl phthalate	149		13.758				ND	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	94	40911	1.50	M
175 Benzo[k]fluoranthene	252	14.100	14.095	-0.006	1	16231	0.4184	M
177 Benzo[a]pyrene	252	14.325	14.335	-0.010	91	29552	1.25	
180 Indeno[1,2,3-cd]pyrene	276	15.265	15.270	-0.005	89	22045	0.7037	
181 Dibenz(a,h)anthracene	278		15.276				ND	
182 Benzo[g,h,i]perylene	276	15.516	15.521	-0.005	91	26500	1.01	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated
U - Marked Undetected

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

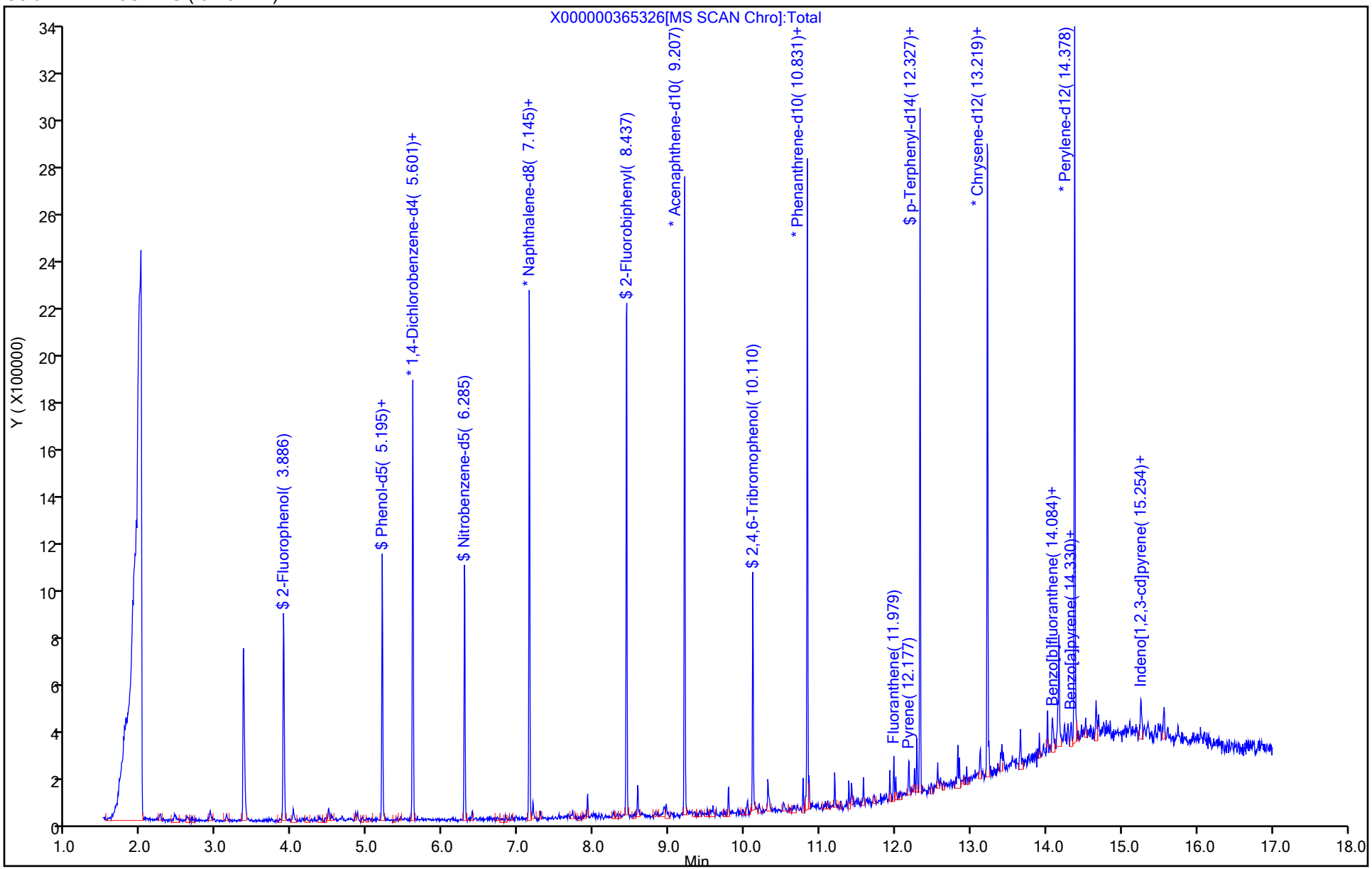
Report Date: 05-Sep-2025 08:58:38 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d

Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5	Worklist Smp#:	9
Client ID:	SB-04-CONF-D-1Ft				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d
Lims ID: 480-232238-A-5-C
Client ID: SB-04-CONF-D-1Ft
Sample Type: Client
Inject. Date: 04-Sep-2025 13:39:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-009
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

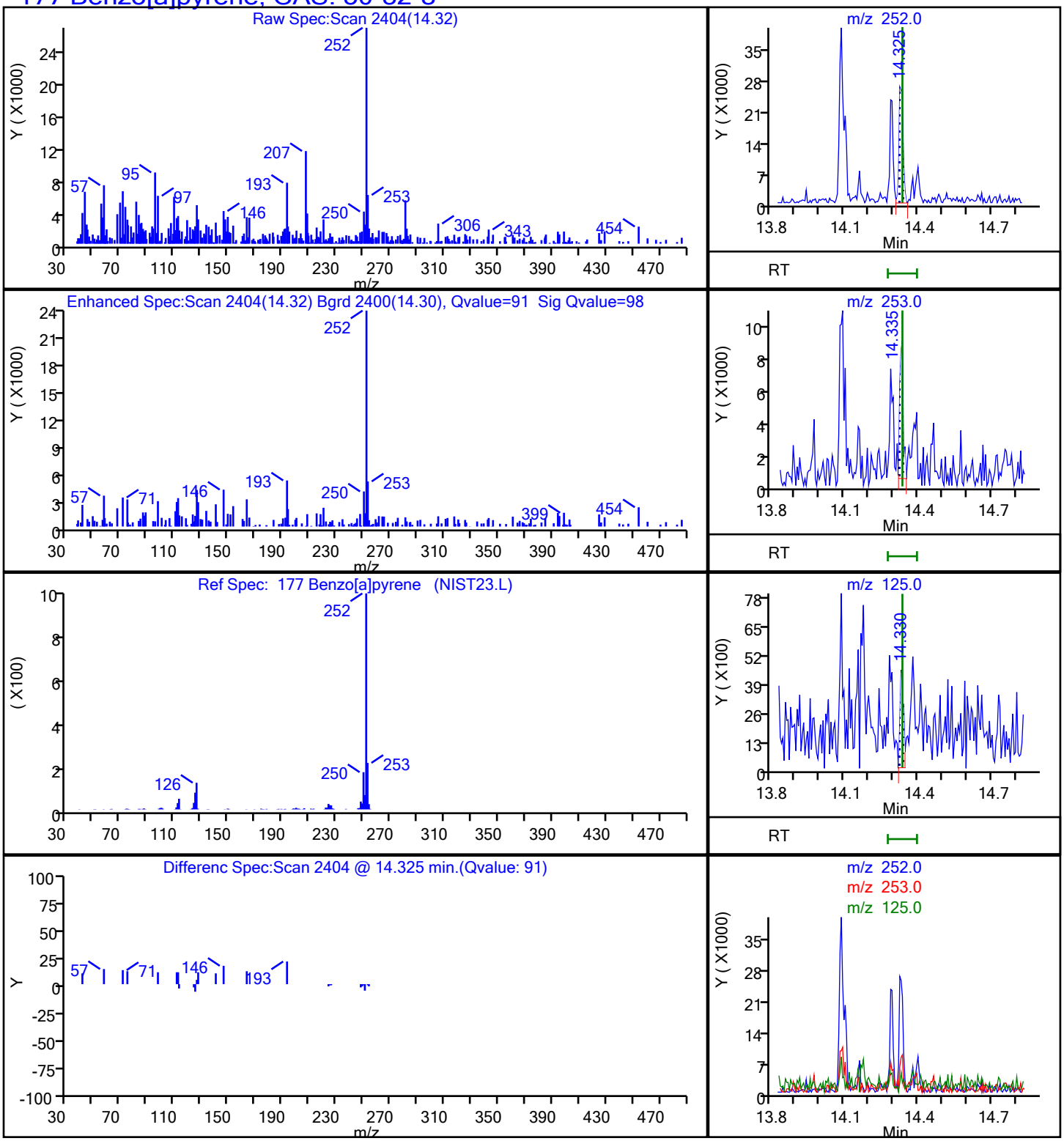
First Level Reviewer: PY8T Date: 05-Sep-2025 08:53:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	28.4	70.96
$ 8 Phenol-d5	40.0	27.3	68.34
$ 9 Nitrobenzene-d5	40.0	29.6	74.07
$ 10 2-Fluorobiphenyl	40.0	34.6	86.54
$ 11 2,4,6-Tribromophenol	40.0	31.1	77.70
$ 12 p-Terphenyl-d14	40.0	34.3	85.82

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d		
Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5
Client ID:	SB-04-CONF-D-1Ft		
Operator ID:	AF	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	X-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

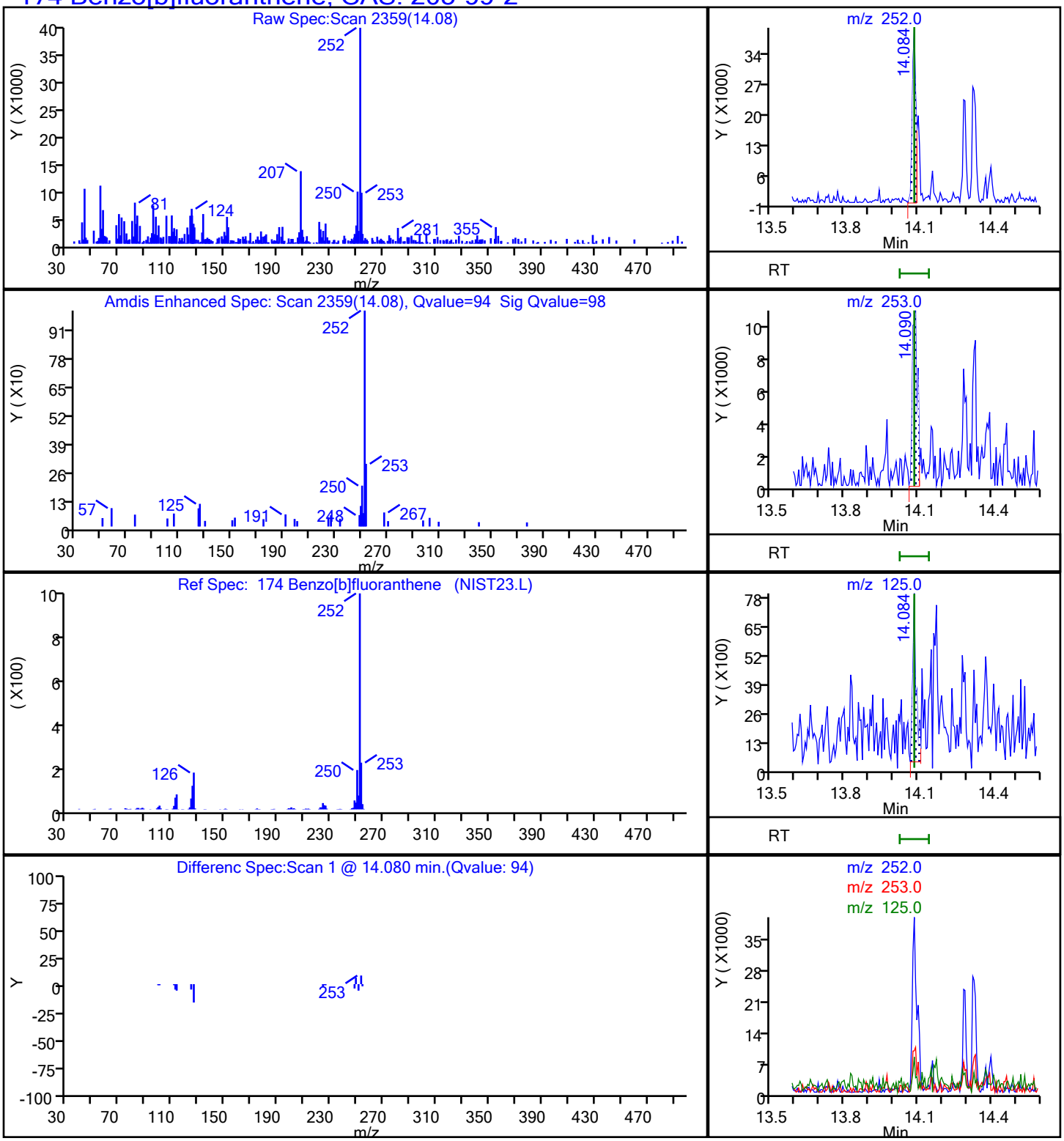
177 Benzo[a]pyrene, CAS: 50-32-8



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d		
Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5
Client ID:	SB-04-CONF-D-1Ft		
Operator ID:	AF	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	X-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

174 Benzo[b]fluoranthene, CAS: 205-99-2



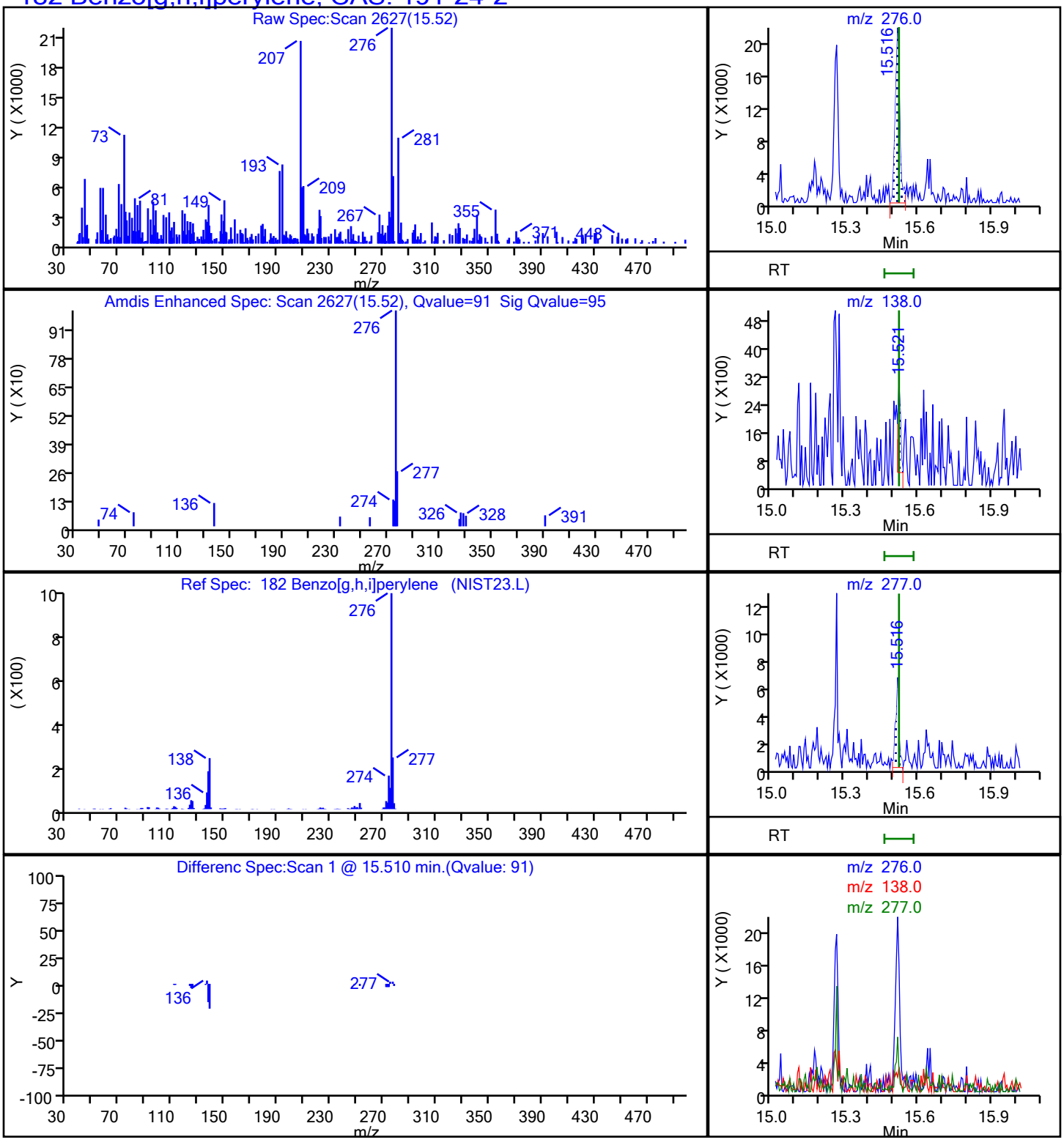
Report Date: 05-Sep-2025 08:58:39 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d

Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

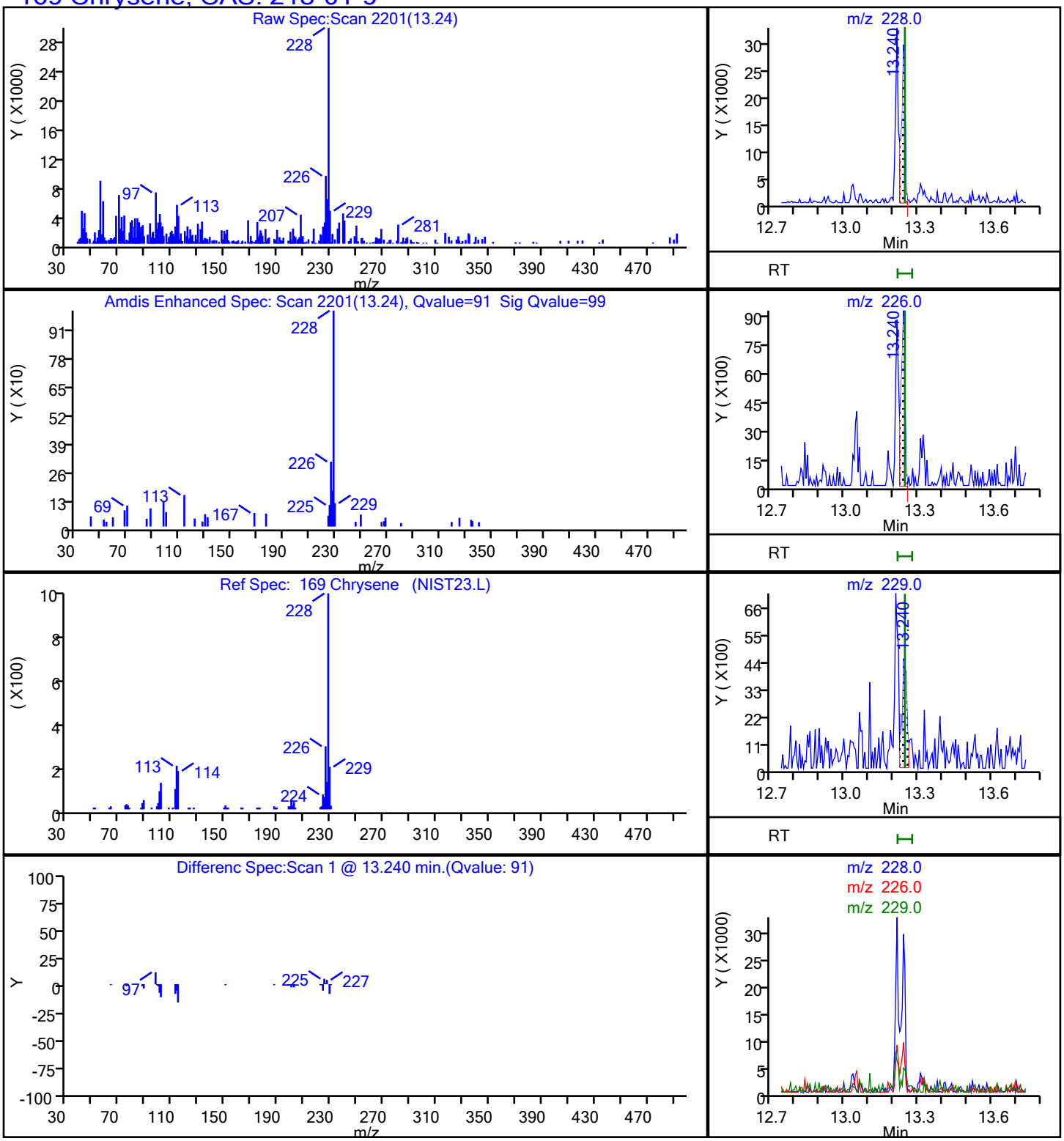
182 Benzo[g,h,i]perylene, CAS: 191-24-2



Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d		
Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5
Client ID:	SB-04-CONF-D-1Ft		
Operator ID:	AF	ALS Bottle#:	9 Worklist Smp#: 9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	X-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

169 Chrysene, CAS: 218-01-9



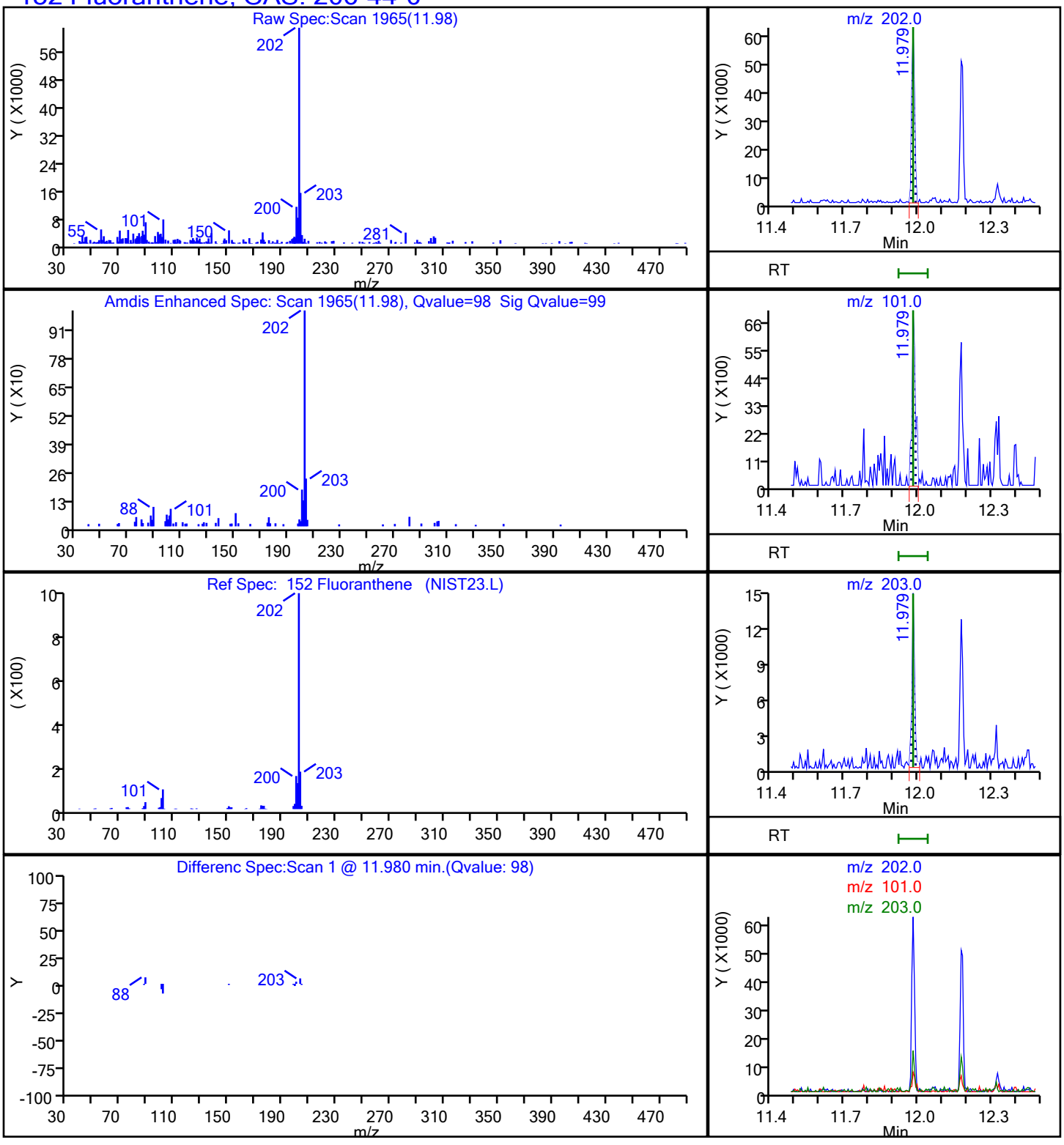
Report Date: 05-Sep-2025 08:58:38 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d

Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

152 Fluoranthene, CAS: 206-44-0



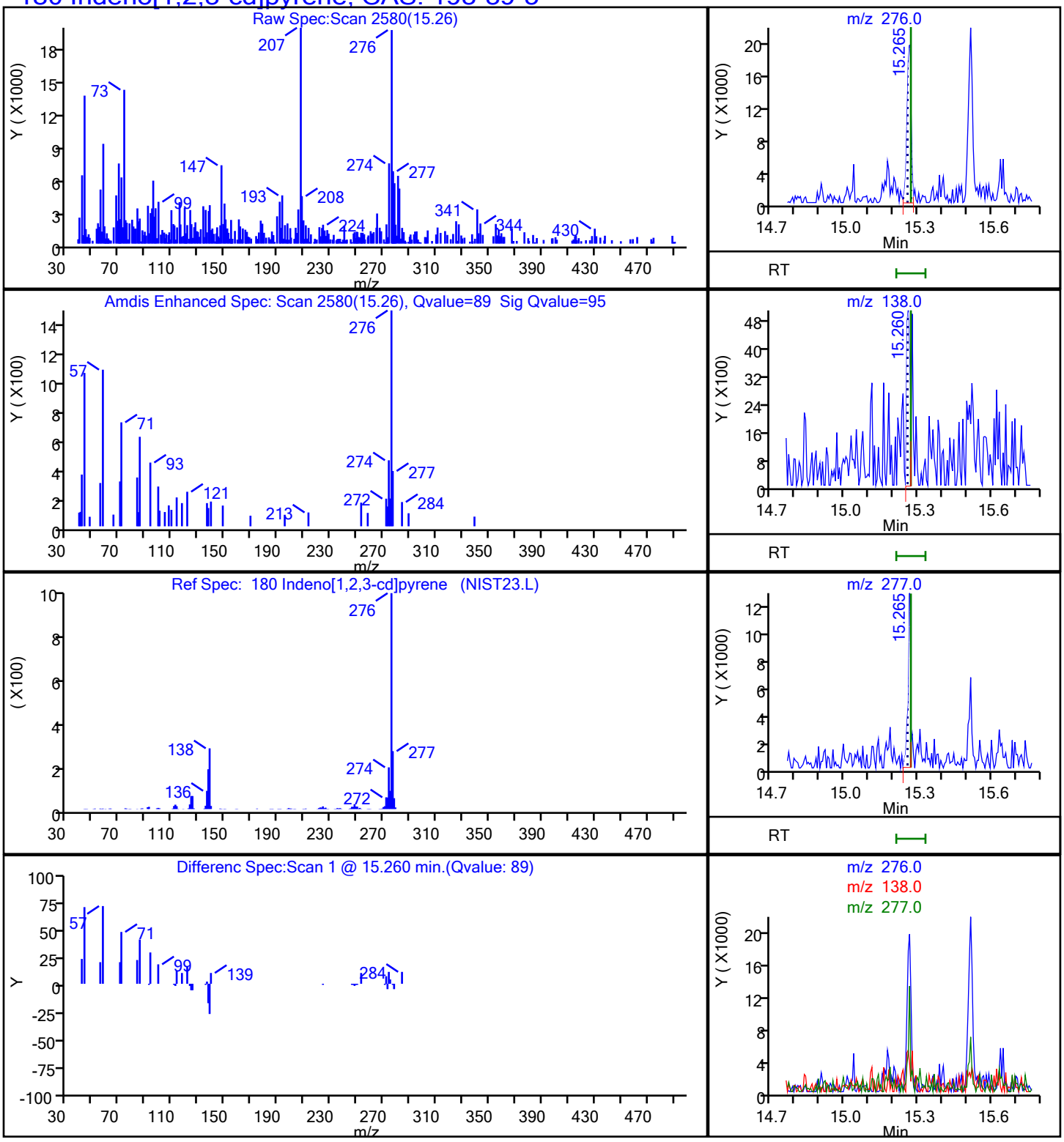
Report Date: 05-Sep-2025 08:58:39 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d

Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

180 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



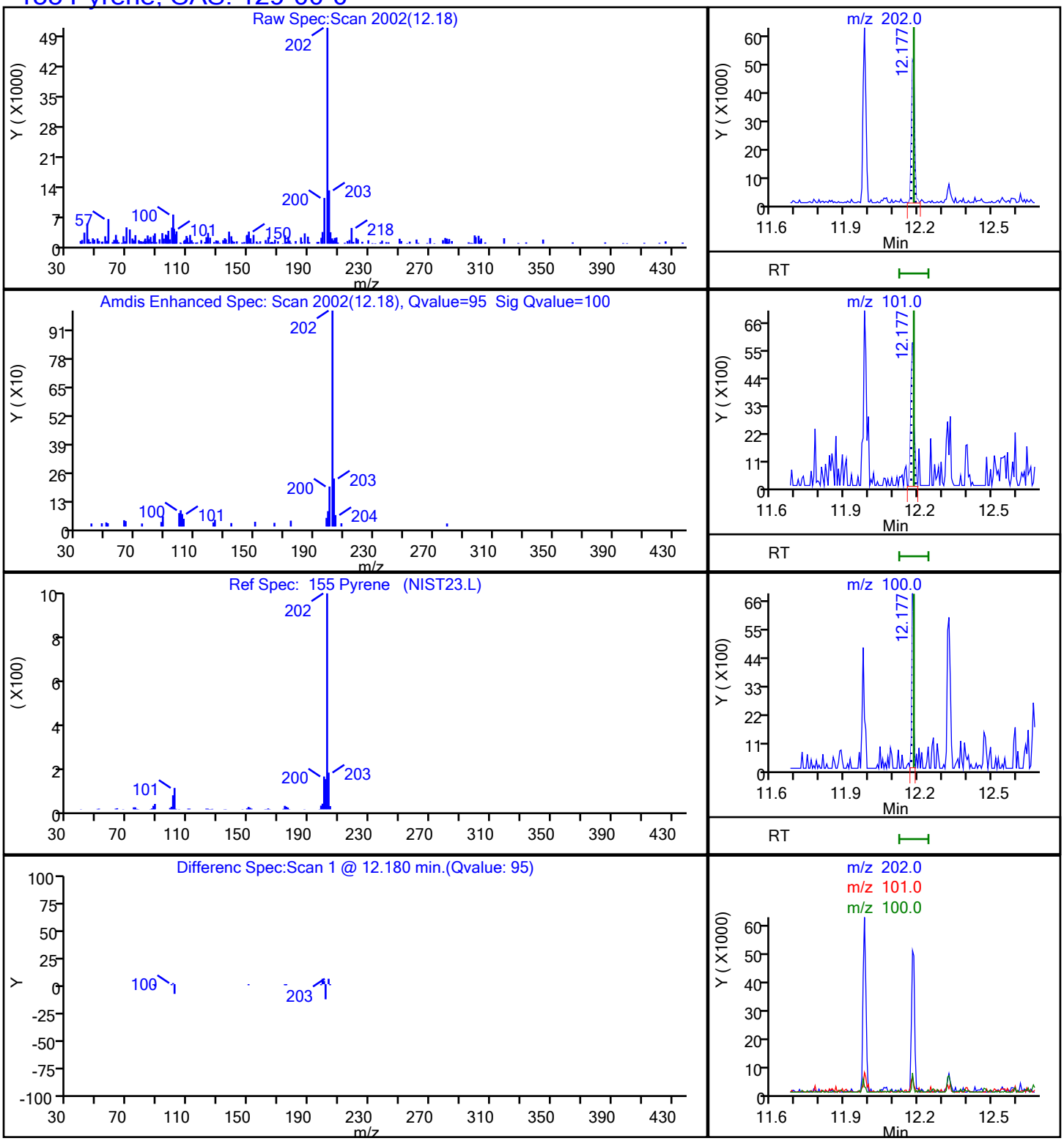
Report Date: 05-Sep-2025 08:58:38 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d

Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

155 Pyrene, CAS: 129-00-0



Eurofins Buffalo

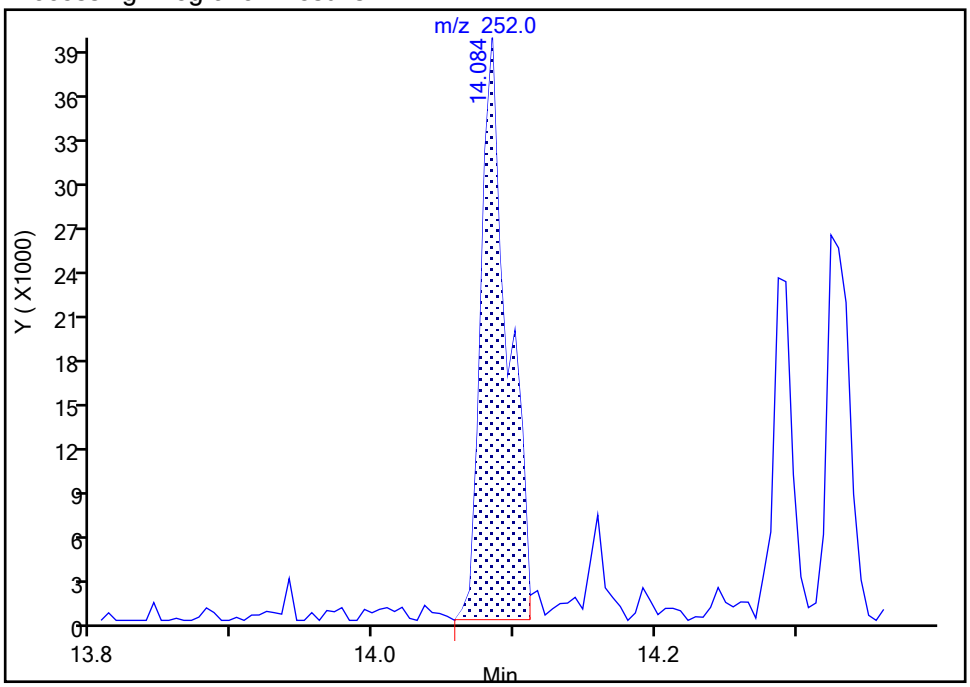
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Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

174 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

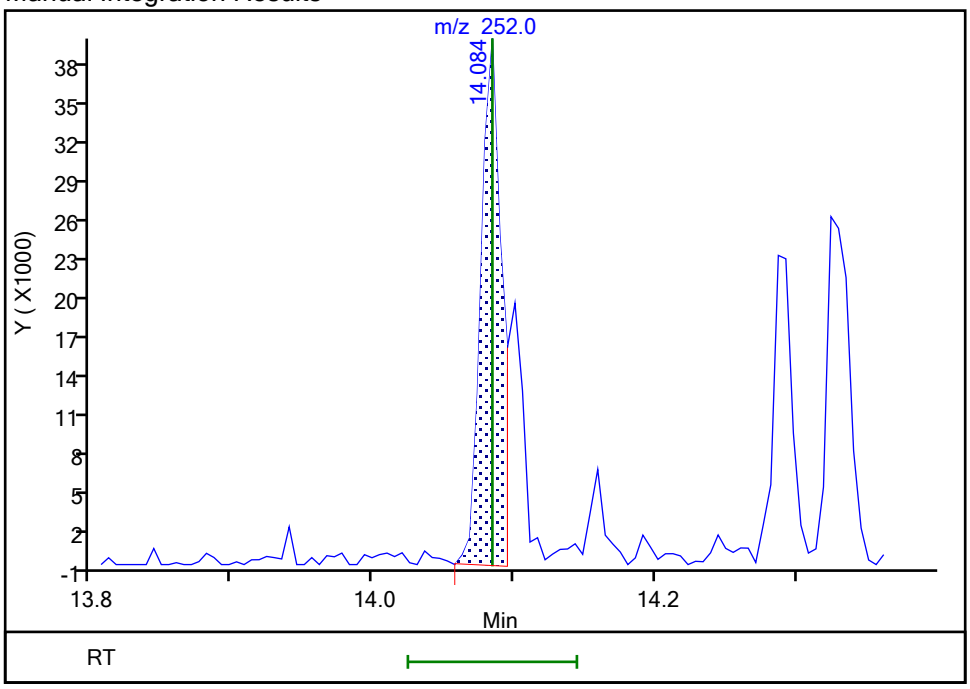
Processing Integration Results

RT: 14.08
Area: 51845
Amount: 1.869092
Amount Units: ng/uL



Manual Integration Results

RT: 14.08
Area: 40911
Amount: 1.500268
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:53:18 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Buffalo

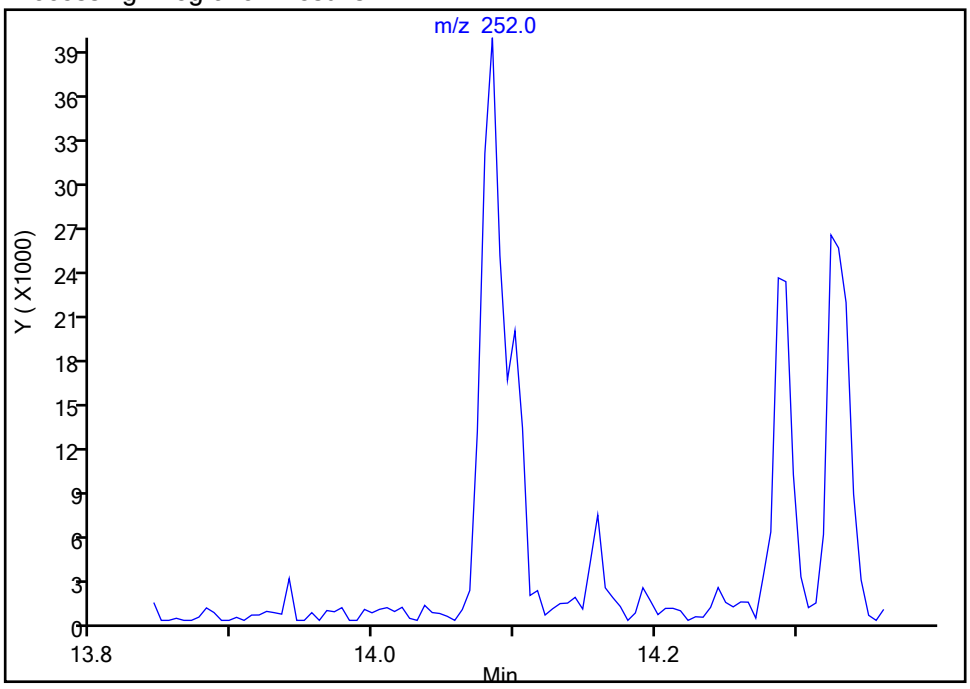
Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d				
Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

175 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

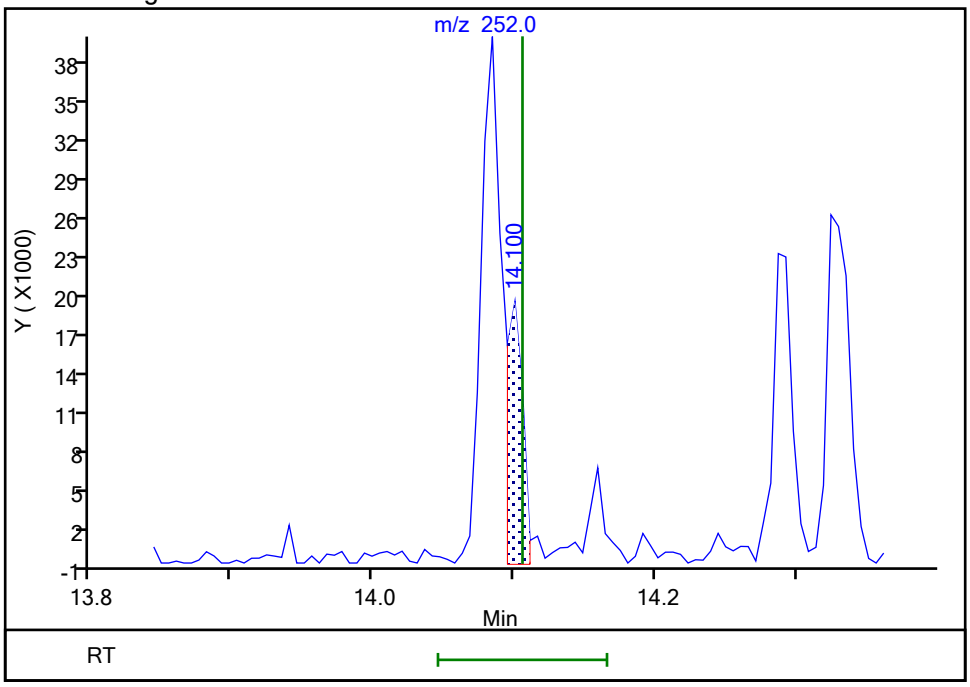
Not Detected
Expected RT: 14.11

Processing Integration Results



Manual Integration Results

RT: 14.10
Area: 16231
Amount: 0.418360
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:53:32 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

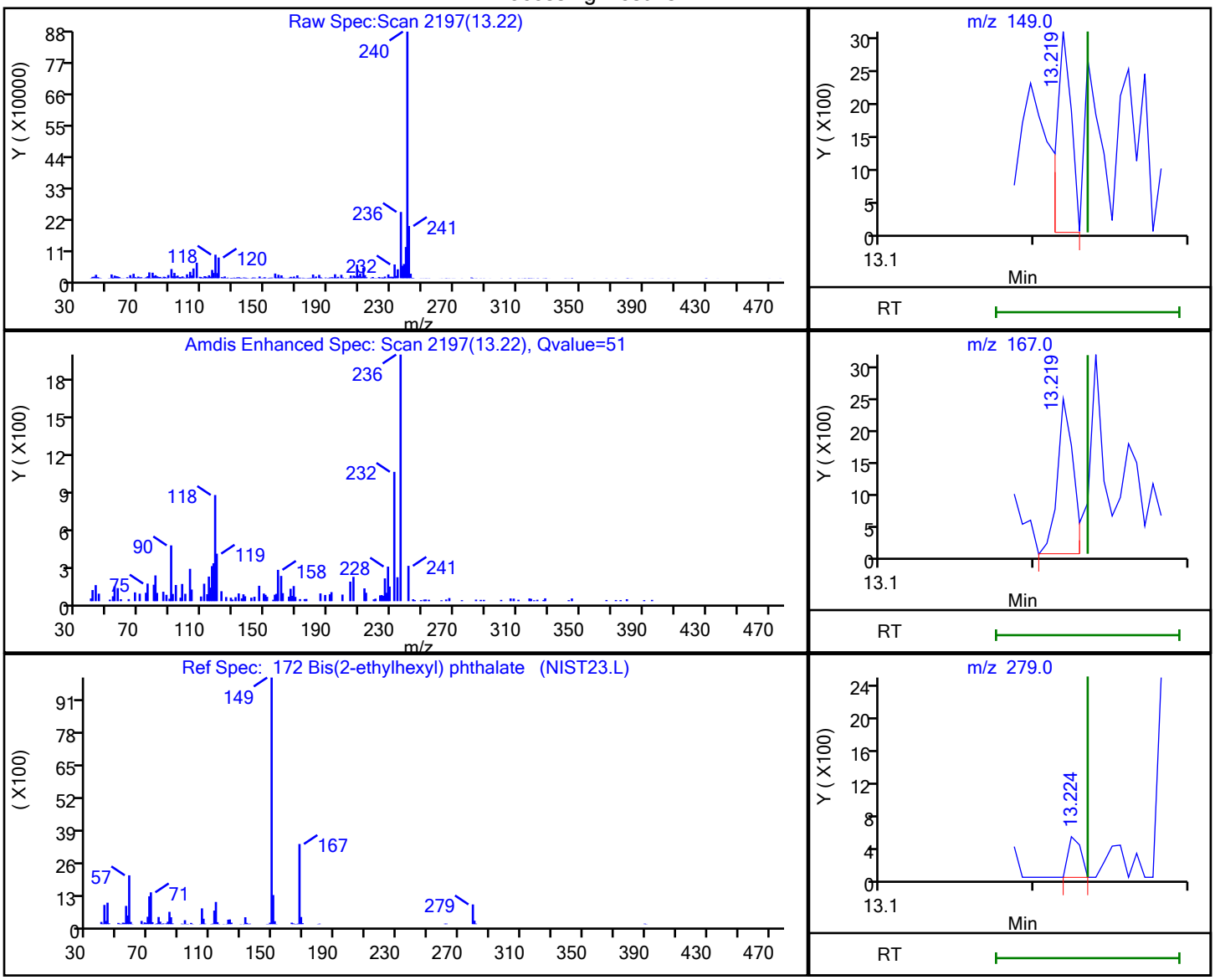
User Disabled Compound Report

Eurofins Buffalo

Data File:	\\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365326.d				
Injection Date:	04-Sep-2025 13:39:30	Instrument ID:	HP5973X		
Lims ID:	480-232238-A-5-C	Lab Sample ID:	480-232238-5		
Client ID:	SB-04-CONF-D-1Ft				
Operator ID:	AF	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	X-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

172 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Processing Results



RT	Mass	Response	Amount
13.22	149.00	1921	0.116513
13.22	167.00	1798	
13.22	279.00	285	

Reviewer: PY8T, 05-Sep-2025 08:52:51 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-232238-1 Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 Calibration End Date: 07/30/2025 12:48 Calibration ID: 48653

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-752954/3	X000000364736.d
Level 2	IC 480-752954/4	X000000364737.d
Level 3	IC 480-752954/5	X000000364738.d
Level 4	IC 480-752954/6	X000000364739.d
Level 5	IC 480-752954/7	X000000364740.d
Level 6	ICIS 480-752954/8	X000000364741.d
Level 7	IC 480-752954/9	X000000364742.d
Level 8	IC 480-752954/10	X000000364743.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6251 0.6680	0.8862 0.6993	0.8806 0.6230	0.7115	0.6369	Ave		0.7163			0.0100	15.1		20.0			
N-Nitrosodimethylamine	1.0973	1.1927 1.1906	1.1218 1.0396	1.1412	1.0161	Lin2	0.2528	1.0852			0.0100	5.9		20.0	0.9960		0.9900
Pyridine	1.0273	1.2249 1.0215	1.1144 0.9244	1.0393	0.9749	Lin2	1.2888	0.9727			0.0100	3.9		20.0	0.9980		0.9900
Benzaldehyde	2.2921	2.4351 2.1098	2.2858 1.8707	2.3301	2.1329	Lin2	0.9165	2.1028			0.0100	7.0		20.0	0.9940		0.9900
Phenol	2.3600	2.2247 2.3359	2.2348 2.1275	2.2038	2.0663	Ave		2.2219			0.8000	4.7		20.0			
Aniline	2.6818	2.4847 2.7908	2.5183 2.5178	2.6214	2.4420	Ave		2.5796			0.0100	4.8		20.0			
Bis(2-chloroethyl)ether	1.5463	1.4642 1.6267	1.7753 1.4852	1.6481	1.4613	Ave		1.5724			0.7000	7.4		20.0			
2-Chlorophenol	1.3580	1.2183 1.3693	1.3139 1.2659	1.2551	1.1628	Ave		1.2776			0.8000	5.8		20.0			
n-Decane	1.4273	1.5078 1.4438	1.4679 1.3249	1.2839	1.2520	Lin2	0.4026	1.3405			0.0100	6.6		20.0	0.9950		0.9900
1,3-Dichlorobenzene	1.4685	1.6425 1.5486	1.3946 1.3599	1.4605	1.3218	Lin2	0.4640	1.4033			0.0100	7.0		20.0	0.9940		0.9900
1,4-Dichlorobenzene	1.4616	1.2159 1.5325	1.5923 1.4060	1.4129	1.3668	Lin2	-0.440	1.4774			0.0100	7.7		20.0	0.9930		0.9900
Benzyl alcohol	1.0884	0.8609 1.1568	0.9785 1.0503	1.0045	0.9605	Lin2	-0.557	1.0782			0.0100	5.5		20.0	0.9960		0.9900
1,2-Dichlorobenzene	1.5009	1.3557 1.4744	1.2353 1.3093	1.2641	1.3512	Ave		1.3558			0.0100	7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-232238-1 Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 Calibration End Date: 07/30/2025 12:48 Calibration ID: 48653

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indene	0.6554	0.6866 0.6162	0.6991 0.6055	0.6689	0.7183	Ave		0.6643			0.0100	6.3		20.0			
2-Methylphenol	1.5066	1.2535 1.6093	1.5749 1.5270	1.4861	1.2545	Lin2	-0.5100	1.5175			0.7000	9.1		20.0	0.9900		0.9900
bis (2-chloroisopropyl) ether	1.1912	1.1432 1.2696	1.2958 1.1465	1.1239	1.1327	Ave		1.1861			0.0100	5.9		20.0			
Acetophenone	2.5293	2.5903 2.6168	2.3759 2.3673	2.4786	2.2410	Ave		2.4570			0.0100	5.5		20.0			
N-Nitrosodi-n-propylamine	1.4055	1.4230 1.5311	1.3466 1.3499	1.2912	1.3412	Ave		1.3841			0.5000	5.6		20.0			
4-Methylphenol	1.5552	1.6302 1.6336	1.4815 1.4623	1.4784	1.3863	Ave		1.5182			0.6000	6.1		20.0			
Hexachloroethane	0.7314	0.7791 0.8130	0.7680 0.7536	0.7638	0.7067	Ave		0.7594			0.3000	4.5		20.0			
Nitrobenzene	0.6230	0.5574 0.6062	0.5720 0.6023	0.5878	0.6048	Ave		0.5934			0.2000	3.8		20.0			
Isophorone	1.0959	1.0834 1.0675	1.1297 1.0333	1.0027	1.0635	Ave		1.0680			0.4000	3.9		20.0			
2-Nitrophenol	0.1906	0.1632 0.2002	0.1901 0.1955	0.1598	0.1752	Lin2	-0.0655	0.1895			0.1000	7.6		20.0	0.9930		0.9900
2,4-Dimethylphenol	0.5650	0.5948 0.5434	0.5260 0.5299	0.5375	0.5231	Ave		0.5457			0.2000	4.7		20.0			
Bis(2-chloroethoxy)methane	0.5478	0.5570 0.5474	0.5517 0.5268	0.5338	0.5157	Ave		0.5400			0.3000	2.8		20.0			
Benzoic acid	0.4116	0.2666 0.4089	0.3068 0.4136	0.3276	0.3426	Lin2	-2.2022	0.3961			0.0100	7.4		20.0	0.9930		0.9900
2,4-Dichlorophenol	0.3497	0.3114 0.3303	0.2818 0.3247	0.2992	0.2940	Ave		0.3130			0.2000	7.5		20.0			
1,2,4-Trichlorobenzene	0.3742	0.3970 0.3669	0.3993 0.3723	0.3439	0.3520	Lin2	0.0943	0.3614			0.0100	4.8		20.0	0.9970		0.9900
Naphthalene	1.1023 1.1144	1.0755 1.0598	1.0656 1.0275	1.0817	1.0602	Ave		1.0734			0.7000	2.5		20.0			
4-Chloroaniline	0.4591	0.4539 0.4341	0.4148 0.4516	0.4642	0.4246	Ave		0.4432			0.0100	4.2		20.0			
2,6-Dichlorophenol	0.3233	0.2784 0.3125	0.3229 0.3284	0.3268	0.3033	Lin2	-0.0911	0.3241			0.0100	4.2		20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-232238-1 Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 Calibration End Date: 07/30/2025 12:48 Calibration ID: 48653

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.3099	0.3287 0.3155	0.3237 0.3042	0.3054	0.3143	Ave		0.3145			0.0100	2.9		20.0			
Caprolactam	0.1943	0.1722 0.1944	0.2230 0.1834	0.1788	0.1853	Ave		0.1902			0.0100	8.7		20.0			
4-Chloro-3-methylphenol	0.4855	0.4968 0.4605	0.4779 0.4555	0.4844	0.4512	Ave		0.4731			0.2000	3.7		20.0			
2-Methylnaphthalene	0.5771 0.6819	0.6415 0.6488	0.7340 0.6800	0.6484	0.6372	Lin2	-0.046	0.6723			0.4000	5.2		20.0	0.9970		0.9900
1-Methylnaphthalene	0.7789 0.6853	0.6958 0.6704	0.7201 0.6419	0.6917	0.6801	Lin2	0.0524	0.6772			0.0100	3.0		20.0	0.9990		0.9900
Hexachlorocyclopentadiene	0.6559	0.6232 0.6199	0.6288 0.6627	0.6311	0.5539	Ave		0.6251			0.0500	5.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.7590	0.7433 0.7208	0.7262 0.7529	0.7819	0.7416	Ave		0.7465			0.0100	2.8		20.0			
2,4,6-Trichlorophenol	0.4598	0.4061 0.4643	0.3855 0.4278	0.4561	0.4260	Lin2	-0.137	0.4479			0.2000	5.5		20.0	0.9960		0.9900
2,4,5-Trichlorophenol	0.4930	0.6403 0.4792	0.5010 0.5063	0.4713	0.4875	Lin2	0.3577	0.4701			0.2000	6.6		20.0	0.9950		0.9900
Biphenyl	1.5833	1.6201 1.5493	1.4657 1.6278	1.4522	1.6670	Ave		1.5665			0.0100	5.2		20.0			
2-Chloronaphthalene	1.2260	1.3926 1.1720	1.1286 1.2037	1.2110	1.1829	Lin2	0.4112	1.1694			0.8000	5.6		20.0	0.9960		0.9900
2-Nitroaniline	0.5733	0.4079 0.5316	0.4552 0.5428	0.5272	0.5114	Lin2	-0.374	0.5500			0.0100	3.9		20.0	0.9980		0.9900
Dimethyl phthalate	1.5090	1.6930 1.4880	1.5452 1.5097	1.4953	1.4899	Ave		1.5329			0.0100	4.8		20.0			
1,3-Dinitrobenzene	0.1247	0.1048 0.1388	0.1018 0.1345	0.1050	0.1094	Lin1	-0.146	0.1338			0.0100	12.8		20.0	0.9950		0.9900
2,6-Dinitrotoluene	0.3074	0.2770 0.3163	0.2755 0.3221	0.2652	0.2722	Lin2	-0.089	0.3011			0.2000	7.2		20.0	0.9930		0.9900
Acenaphthylene	2.1955 2.0600	2.2258 1.9587	2.0832 1.9680	2.0710	2.0150	Ave		2.0721			0.9000	4.7		20.0			
3-Nitroaniline	0.3397	0.2050 0.3446	0.2495 0.3407	0.3100	0.3228	Lin2	-0.372	0.3445			0.0100	3.1		20.0	0.9990		0.9900
Acenaphthene	1.6760 1.3061	1.3652 1.2612	1.4412 1.2620	1.2360	1.2549	Lin2	0.2029	1.2792			0.9000	4.7		20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-232238-1 Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 Calibration End Date: 07/30/2025 12:48 Calibration ID: 48653

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1898	0.1341 0.2114	0.1442 0.2125	0.1576	0.1577	Lin1	-0.617	0.2079			0.0100	14.1		20.0	0.9930		0.9900
4-Nitrophenol	0.4042	0.2385 0.3908	0.2874 0.3883	0.3385	0.3515	Lin2	-0.822	0.3900			0.0100	4.7		20.0	0.9970		0.9900
2,4-Dinitrotoluene	0.4481	0.3389 0.4441	0.3822 0.4616	0.3688	0.4183	Lin2	-0.286	0.4417			0.2000	5.5		20.0	0.9960		0.9900
Dibenzofuran	2.2786 1.9366	2.0686 1.7937	1.9314 1.8640	1.8565	1.8869	Lin2	0.2101	1.8784			0.8000	3.4		20.0	0.9990		0.9900
2,3,4,6-Tetrachlorophenol	0.4148	0.2792 0.4074	0.3541 0.4069	0.3843	0.3829	Lin2	-0.328	0.4134			0.0100	2.0		20.0	0.9990		0.9900
Diethyl phthalate	1.6653	1.5338 1.6506	1.6966 1.6693	1.7461	1.6672	Ave		1.6613			0.0100	3.9		20.0			
Hexadecane	0.9041	0.8579 0.8597	0.8145 0.8927	0.8933	0.8963	Ave		0.8741			0.0100	3.7		20.0			
Fluorene	1.4876 1.5726	1.5499 1.5074	1.4825 1.5232	1.4857	1.4844	Ave		1.5117			0.9000	2.3		20.0			
4-Chlorophenyl phenyl ether	0.8080	0.8407 0.7770	0.8103 0.8137	0.8192	0.7895	Ave		0.8083			0.4000	2.5		20.0			
4-Nitroaniline	0.3497	0.3299 0.3208	0.2697 0.3231	0.3528	0.3317	Ave		0.3254			0.0100	8.4		20.0			
4,6-Dinitro-2-methylphenol	0.1296	0.0772 0.1369	0.0915 0.1402	0.0997	0.1129	Lin2	-0.305	0.1301			0.0100	9.0		20.0	0.9900		0.9900
Diphenylamine	0.6667	0.5717 0.6483	0.6025 0.6467	0.6138	0.6457	Lin2	-0.187	0.6531			0.0100	1.9		20.0	1.0000		0.9900
N-Nitrosodiphenylamine	0.5700	0.4888 0.5543	0.5151 0.5529	0.5248	0.5521	Lin2	-0.187	0.5584			0.0100	1.9		20.0	1.0000		0.9900
1,2-Diphenylhydrazine	1.1429	0.9951 1.0897	1.1299 1.0827	1.1526	1.1267	Ave		1.1028			0.0100	4.9		20.0			
trans-Azobenzene	1.1429	0.9951 1.0897	1.1299 1.0827	1.1526	1.1267	Ave		1.1028			0.0100	4.9		20.0			
4-Bromophenyl phenyl ether	0.2620	0.2813 0.2503	0.2331 0.2606	0.2358	0.2520	Ave		0.2536			0.1000	6.5		20.0			
Hexachlorobenzene	0.3099	0.3325 0.3151	0.3100 0.2998	0.3077	0.2995	Ave		0.3106			0.1000	3.6		20.0			
Atrazine	0.7146	0.8265 0.6527	0.7140 0.6536	0.6989	0.6934	Lin2	0.3780	0.6642			0.0100	3.8		20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-232238-1 Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 Calibration End Date: 07/30/2025 12:48 Calibration ID: 48653

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachlorophenol	0.1948	0.1313 0.2026	0.1517 0.2021	0.1682	0.1757	Lin2	-0.357	0.1957			0.0500	5.2		20.0	0.9970		0.9900
n-Octadecane	0.4786	0.4006 0.4542	0.4585 0.4712	0.4385	0.4819	Lin2	-0.168	0.4742			0.0100	3.5		20.0	0.9980		0.9900
Phenanthrene	1.1971 1.1155	1.0566 1.0770	1.1340 1.0647	1.0182	1.0548	Lin2	0.0624	1.0679			0.7000	3.8		20.0	0.9990		0.9900
Anthracene	1.1966 1.1478	1.1816 1.1430	1.1268 1.1142	1.1062	1.1221	Ave		1.1423			0.7000	2.8		20.0			
Carbazole	0.9897	1.0002 1.0115	1.0490 0.9922	1.0135	0.9976	Ave		1.0077			0.0100	2.0		20.0			
Di-n-butyl phthalate	1.3811	1.3621 1.3826	1.3752 1.3157	1.3740	1.3535	Ave		1.3635			0.0100	1.7		20.0			
Fluoranthene	1.1795 1.3674	1.3030 1.3230	1.4231 1.2984	1.3296	1.3704	Lin2	-0.085	1.3541			0.6000	3.4		20.0	0.9990		0.9900
Benzidine	0.7592	0.7028 0.6977	0.8222 0.6615	0.7950	0.7357	Ave		0.7392			0.0100	7.7		20.0			
Pyrene	1.4097 1.3778	1.2875 1.2983	1.3078 1.2515	1.3647	1.2885	Ave		1.3232			0.6000	4.1		20.0			
Butyl benzyl phthalate	0.6361	0.5711 0.6256	0.6003 0.5813	0.6122	0.5699	Ave		0.5995			0.0100	4.4		20.0			
3,3'-Dichlorobenzidine	0.5271	0.4314 0.5231	0.4694 0.4891	0.4855	0.4785	Lin2	-0.399	0.5092			0.0100	3.5		20.0	0.9980		0.9900
Benzo[a]anthracene	1.6509 1.3670	1.4068 1.3248	1.3555 1.2395	1.2505	1.2455	Lin2	0.1841	1.2905			0.8000	4.2		20.0	0.9980		0.9900
Bis(2-ethylhexyl) phthalate	0.9307	0.8493 0.8980	0.9054 0.8662	0.8237	0.8421	Ave		0.8736			0.0100	4.4		20.0			
Chrysene	1.2413 1.2676	1.2087 1.2326	1.2765 1.1540	1.2361	1.1902	Ave		1.2259			0.7000	3.3		20.0			
Di-n-octyl phthalate	1.5070	1.3161 1.4634	1.3608 1.3479	1.3522	1.3599	Lin2	-0.284	1.4194			0.0100	4.4		20.0	0.9980		0.9900
Benzo[b]fluoranthene	0.9806 1.3651	1.1497 1.2816	1.2418 1.2969	1.2126	1.2231	Lin2	-0.153	1.2726			0.7000	4.3		20.0	0.9980		0.9900
Benzo[k]fluoranthene	1.5780 1.2675	1.2971 1.1577	1.2747 1.1628	1.1105	1.1603	Lin2	0.2031	1.1799			0.7000	5.0		20.0	0.9980		0.9900
Benzo[a]pyrene	0.8134 1.1803	1.1372 1.1308	1.1141 1.1370	1.0375	1.1088	Lin2	-0.158	1.1376			0.7000	4.2		20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Buffalo Job No.: 480-232238-1 Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 Calibration End Date: 07/30/2025 12:48 Calibration ID: 48653

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	1.3067 1.5288	1.4181 1.4801	1.4270 1.4977	1.3402	1.4278	Lin2	-0.078	1.4557			0.5000	4.0		20.0	0.9980		0.9900
Dibenz(a,h)anthracene	1.5990 1.2476	1.0785 1.1894	1.0517 1.1976	1.1119	1.1148	Lin2	0.2201	1.1217			0.4000	8.7		20.0	0.9930		0.9900
Benzo[g,h,i]perylene	1.2047 1.1742	0.9596 1.0887	1.0859 1.1244	1.0426	1.0751	Lin2	0.0498	1.0769			0.5000	6.9		20.0	0.9950		0.9900
2-Fluorophenol	1.5462	1.2313 1.5190	1.5021 1.4289	1.2814	1.3622	Lin2	-0.520	1.4699			0.0100	7.3		20.0	0.9930		0.9900
Phenol-d5	2.0155	1.8413 2.0232	1.9991 1.8593	1.8772	1.9118	Ave		1.9325			0.0100	4.0		20.0			
Nitrobenzene-d5	0.6279	0.6026 0.6349	0.5396 0.6244	0.5765	0.6114	Lin2	-0.109	0.6150			0.0100	5.4		20.0	0.9960		0.9900
2-Fluorobiphenyl	1.5679	1.6850 1.4849	1.4267 1.5049	1.4847	1.4583	Lin2	0.3657	1.4740			0.0100	5.1		20.0	0.9970		0.9900
2,4,6-Tribromophenol	0.1500	0.1020 0.1526	0.1456 0.1588	0.1385	0.1560	Lin2	-0.127	0.1580			0.0100	4.9		20.0	0.9970		0.9900
p-Terphenyl-d14	1.0499	1.0523 1.0277	1.1686 0.9991	0.9898	1.0189	Ave		1.0438			0.0100	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-752954/3	X000000364736.d
Level 2	IC 480-752954/4	X000000364737.d
Level 3	IC 480-752954/5	X000000364738.d
Level 4	IC 480-752954/6	X000000364739.d
Level 5	IC 480-752954/7	X000000364740.d
Level 6	ICIS 480-752954/8	X000000364741.d
Level 7	IC 480-752954/9	X000000364742.d
Level 8	IC 480-752954/10	X000000364743.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	3793 110293	9319 170406	17744 211010	31525	49966	1.50 40.0	2.50 60.0	5.00 80.0	10.0	20.0
N-Nitrosodimethylamine	DCBd4	Lin2	 181165	12542 290112	22606 352098	50565	79712	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Pyridine	DCBd4	Lin2	 339226	25763 497810	44913 626156	92099	152956	 80.0	5.00 120	10.0 160	20.0	40.0
Benzaldehyde	DCBd4	Lin2	 378424	25608 514100	46061 633545	103238	167322	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Phenol	DCBd4	Ave	 389638	23395 569179	45034 720541	97644	162098	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Aniline	DCBd4	Ave	 442768	26129 680042	50747 852716	116145	191570	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Bis(2-chloroethyl)ether	DCBd4	Ave	 255295	15398 396379	35774 502999	73020	114633	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Chlorophenol	DCBd4	Ave	 224205	12812 333644	26476 428714	55610	91221	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
n-Decane	DCBd4	Lin2	 235648	15856 351808	29579 448697	56886	98212	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,3-Dichlorobenzene	DCBd4	Lin2	 242448	17273 377342	28103 460558	64712	103693	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,4-Dichlorobenzene	DCBd4	Lin2	 241310	12787 373432	32086 476176	62600	107218	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzyl alcohol	DCBd4	Lin2	 179688	9053 281866	19717 355696	44504	75351	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,2-Dichlorobenzene	DCBd4	Ave	 247795	14257 359268	24892 443437	56007	105994	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Indene	PHN	Ave	 2684139	172418 3965199	340328 4857838	727346	1228384	 240	15.0 360	30.0 480	60.0	120
2-Methylphenol	DCBd4	Lin2	 248733	13182 392143	31736 517149	65846	98410	 40.0	2.50 60.0	5.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
bis (2-chloroisopropyl) ether	DCBd4	Ave	196672	12022 309369	26112 388303	49797	88854	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Acetophenone	DCBd4	Ave	417591	27240 637627	47876 801761	109820	175797	40.0	2.50 60.0	5.00 80.0	10.0	20.0
N-Nitrosodi-n-propylamine	DCBd4	Ave	232054	14964 373088	27136 457179	57207	105211	40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Methylphenol	DCBd4	Ave	256771	17143 398056	29854 495256	65505	108750	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexachloroethane	DCBd4	Ave	120750	8193 198113	15475 255216	33840	55435	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Nitrobenzene	NPT	Ave	356716	19569 552869	39708 702769	89925	155727	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Isophorone	NPT	Ave	627482	38035 973499	78425 1205557	153396	273829	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Nitrophenol	NPT	Lin2	109100	5731 182599	13194 228159	24450	45119	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dimethylphenol	NPT	Ave	323488	20881 495566	36516 618259	82226	134677	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Bis(2-chloroethoxy)methane	NPT	Ave	313655	19555 499170	38299 614604	81669	132767	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzoic acid	NPT	Lin2	1413802	56161 2237501	127778 2895307	300713	529241	240	15.0 360	30.0 480	60.0	120
2,4-Dichlorophenol	NPT	Ave	200209	10931 301199	19562 378859	45777	75698	40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,2,4-Trichlorobenzene	NPT	Lin2	214257	13937 334619	27724 434429	52615	90625	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Naphthalene	NPT	Ave	7543 638061	37760 966491	73978 1198832	165476	272968	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Chloroaniline	NPT	Ave	262833	15937 395841	28797 526933	71009	109313	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,6-Dichlorophenol	NPT	Lin2	185085	9775 285018	22420 383118	49999	78089	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexachlorobutadiene	NPT	Ave	177428	11540 287754	22470 354896	46715	80926	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Caprolactam	NPT	Ave	111231	6047 177243	15481 213999	27353	47704	40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Chloro-3-methylphenol	NPT	Ave	278002	17443 419957	33177 531513	74098	116164	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Methylnaphthalene	NPT	Lin2	3949 390447	22522 591635	50957 793369	99196	164072	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1-Methylnaphthalene	NPT	Lin2	5330	24427	49993	105818	175102	0.500	2.50	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			392350	611396	748963			40.0	60.0	80.0		
Hexachlorocyclopentadiene	ANT	Ave	223517	12676 343691	26195 455723	56710	81467	40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	258661	15119 399619	30249 517693	70252	109074	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4,6-Trichlorophenol	ANT	Lin2	156698	8261 257424	16057 294199	40985	62663	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4,5-Trichlorophenol	ANT	Lin2	168021	13023 265701	20871 348123	42347	71711	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Biphenyl	ANT	Ave	539567	32954 858981	61057 1119379	130488	245191	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Chloronaphthalene	ANT	Lin2	417784	28326 649795	47014 827684	108812	173989	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Nitroaniline	ANT	Lin2	195357	8296 294750	18962 373274	47368	75215	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Dimethyl phthalate	ANT	Ave	514251	34436 824986	64368 1038102	134360	219152	40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,3-Dinitrobenzene	NPT	Lin1	71379	3680 126536	7069 156953	16070	28168	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,6-Dinitrotoluene	ANT	Lin2	104754	5635 175351	11478 221490	23825	40036	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Acenaphthylene	ANT	Ave	8718 701999	45274 1085985	86779 1353256	186084	296385	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
3-Nitroaniline	ANT	Lin2	115748	4170 191058	10394 234268	27854	47483	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Acenaphthene	ANT	Lin2	6655 445101	27768 699243	60034 867775	111060	184576	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dinitrophenol	ANT	Lin1	129389	5455 234435	12010 292210	28320	46379	80.0	5.00 120	10.0 160	20.0	40.0
4-Nitrophenol	ANT	Lin2	275477	9703 433307	23946 533984	60829	103412	80.0	5.00 120	10.0 160	20.0	40.0
2,4-Dinitrotoluene	ANT	Lin2	152700	6893 246201	15923 317446	33141	61522	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Dibenzofuran	ANT	Lin2	9048 659969	42075 994494	80455 1281743	166813	277541	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,3,4,6-Tetrachlorophenol	ANT	Lin2	141356	5678 225873	14749 279805	34527	56323	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Diethyl phthalate	ANT	Ave	567494	31198 915160	70673 1147865	156890	245220	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexadecane	ANT	Ave	308098	17450 476634	33929 613830	80265	131841	40.0	2.50 60.0	5.00 80.0	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	5907 535911	31525 835766	61757 1047426	133492	218334	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Chlorophenyl phenyl ether	ANT	Ave	 275350	17101 430796	33756 559530	73605	116120	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Nitroaniline	ANT	Ave	 119180	6711 177842	11235 222191	31698	48783	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	 176950	6459 293629	14847 374785	36147	64373	 80.0	5.00 120	10.0 160	20.0	40.0
Diphenylamine	PHN	Lin2	 389059	20458 594407	41791 739289	95108	157366	 34.2	2.14 51.3	4.28 68.4	8.55	17.1
N-Nitrosodiphenylamine	PHN	Lin2	 389059	20458 594407	41791 739289	95108	157366	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
1,2-Diphenylhydrazine	PHN	Ave	 780068	41647 1168626	91664 1447699	208864	321150	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
trans-Azobenzene	PHN	Ave	 780068	41647 1168626	91664 1447699	208864	321150	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
4-Bromophenyl phenyl ether	PHN	Ave	 178847	11771 268374	18915 348400	42731	71823	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Hexachlorobenzene	PHN	Ave	 211531	13915 337868	25147 400880	55756	85354	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Atrazine	ANT	Lin2	 243506	16812 361860	29744 449438	62797	101995	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Pentachlorophenol	PHN	Lin2	 265861	10994 434472	24607 540532	60949	100135	 80.0	5.00 120	10.0 160	20.0	40.0
n-Octadecane	PHN	Lin2	 326647	16765 487099	37201 630046	79462	137367	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Phenanthrene	PHN	Lin2	9471 761353	44220 1154964	92002 1423648	184519	300633	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Anthracene	PHN	Ave	9467 783432	49449 1225822	91417 1489798	200465	319817	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Carbazole	PHN	Ave	 675490	41859 1084785	85107 1326652	183668	284340	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Di-n-butyl phthalate	PHN	Ave	 942630	57006 1482777	111567 1759231	249000	385783	 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Fluoranthene	PHN	Lin2	9332 933284	54529 1418761	115451 1736083	240954	390602	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzidine	CRY	Ave	 1073536	62702 1571933	138166 1916473	303136	454625	 80.0	5.00 120	10.0 160	20.0	40.0
Pyrene	CRY	Ave	11456 974085	57432 1462597	109891 1812982	260174	398081	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Butyl benzyl phthalate	CRY	Ave		25477	50442	116722	176064		2.50	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			449702	704762	842129			40.0	60.0	80.0		
3,3'-Dichlorobenzidine	CRY	Lin2	745361	38487 1178631	78889 1416998	185105	295674	80.0	5.00 120	10.0 160	20.0	40.0
Benzo[a]anthracene	CRY	Lin2	13416 966479	62755 1492428	113897 1795483	238404	384824	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	657997	37888 1011641	76081 1254755	157028	260181	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Chrysene	CRY	Ave	10087 896164	53920 1388568	107262 1671682	235658	367738	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Di-n-octyl phthalate	CRY	Lin2	1065433	58711 1648615	114343 1952573	257792	420166	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[b]fluoranthene	PRY	Lin2	8812 1081329	57986 1657485	121769 2040823	261632	426054	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[k]fluoranthene	PRY	Lin2	14180 1004029	65424 1497182	124999 1829850	239595	404189	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[a]pyrene	PRY	Lin2	7309 934887	57356 1462421	109252 1789264	223845	386244	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Lin2	11742 1211001	71527 1914178	139938 2356830	289158	497371	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Dibenz(a,h)anthracene	PRY	Lin2	14368 988239	54395 1538229	103134 1884615	239897	388330	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
Benzo[g,h,i]perylene	PRY	Lin2	10825 930111	48398 1408004	106484 1769489	224957	374508	0.500 40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Fluorophenol	DCBd4	Lin2	255281	12948 370123	30268 483932	56774	106861	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Phenol-d5	DCBd4	Ave	332760	19363 492986	40284 629695	83173	149973	40.0	2.50 60.0	5.00 80.0	10.0	20.0
Nitrobenzene-d5	NPT	Lin2	359498	21156 578982	37463 728522	88201	157407	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2-Fluorobiphenyl	ANT	Lin2	534301	34273 823290	59429 1034807	133400	214505	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4,6-Tribromophenol	PHN	Lin2	102411	4269 163667	11815 212387	25099	44465	40.0	2.50 60.0	5.00 80.0	10.0	20.0
p-Terphenyl-d14	CRY	Ave	742282	46943 1157750	98196 1447364	188695	314790	40.0	2.50 60.0	5.00 80.0	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-752954/3	X000000364736.d
Level 2	IC 480-752954/4	X000000364737.d
Level 3	IC 480-752954/5	X000000364738.d
Level 4	IC 480-752954/6	X000000364739.d
Level 5	IC 480-752954/7	X000000364740.d
Level 6	ICIS 480-752954/8	X000000364741.d
Level 7	IC 480-752954/9	X000000364742.d
Level 8	IC 480-752954/10	X000000364743.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	-12.7 -2.4	23.7 -13.0	22.9	-0.7	-11.1	-6.7	30 30	30 30	30	30	30	30
N-Nitrosodimethylamine	9.3	0.6 -4.5	-1.3	2.8	-7.5	0.5	30	30 30	30	30	30	30
Pyridine	3.9	-0.6 -5.8	1.3	0.2	-3.1	4.0	30	30 30	30	30	30	30
Benzaldehyde	-0.4	-1.6 -11.6	0.0	6.5	-0.7	7.9	30	30 30	30	30	30	30
Phenol	5.1	0.1 -4.2	0.6	-0.8	-7.0	6.2	30	30 30	30	30	30	30
Aniline	8.2	-3.7 -2.4	-2.4	1.6	-5.3	4.0	30	30 30	30	30	30	30
Bis(2-chloroethyl)ether	3.5	-6.9 -5.5	12.9	4.8	-7.1	-1.7	30	30 30	30	30	30	30
2-Chlorophenol	7.2	-4.6 -0.9	2.8	-1.8	-9.0	6.3	30	30 30	30	30	30	30
n-Decane	7.2	0.5 -1.5	3.5	-7.2	-8.1	5.7	30	30 30	30	30	30	30
1,3-Dichlorobenzene	9.8	3.8 -3.5	-7.2	0.8	-7.5	3.8	30	30 30	30	30	30	30
1,4-Dichlorobenzene	4.2	-5.8 -4.5	13.7	-1.4	-6.0	-0.3	30	30 30	30	30	30	30
Benzyl alcohol	8.1	0.5 -1.9	1.1	-1.7	-8.3	2.2	30	30 30	30	30	30	30
1,2-Dichlorobenzene	8.7	0.0 -3.4	-8.9	-6.8	-0.3	10.7	30	30 30	30	30	30	30
Indene	-7.2	3.4 -8.8	5.2	0.7	8.1	-1.3	30	30 30	30	30	30	30
2-Methylphenol	6.6	-3.9 1.0	10.5	1.3	-15.6	0.1	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
bis (2-chloroisopropyl) ether	7.0	-3.6 -3.3	9.2	-5.2	-4.5	0.4	30	30 30	30	30	30	30
Acetophenone	6.5	5.4 -3.7	-3.3	0.9	-8.8	2.9	30	30 30	30	30	30	30
N-Nitrosodi-n-propylamine	10.6	2.8 -2.5	-2.7	-6.7	-3.1	1.6	30	30 30	30	30	30	30
4-Methylphenol	7.6	7.4 -3.7	-2.4	-2.6	-8.7	2.4	30	30 30	30	30	30	30
Hexachloroethane	7.1	2.6 -0.8	1.1	0.6	-6.9	-3.7	30	30 30	30	30	30	30
Nitrobenzene	2.2	-6.1 1.5	-3.6	-0.9	1.9	5.0	30	30 30	30	30	30	30
Isophorone	0.0	1.4 -3.3	5.8	-6.1	-0.4	2.6	30	30 30	30	30	30	30
2-Nitrophenol	6.2	-0.2 3.6	7.1	-12.3	-5.8	1.4	30	30 30	30	30	30	30
2,4-Dimethylphenol	-0.4	9.0 -2.9	-3.6	-1.5	-4.1	3.5	30	30 30	30	30	30	30
Bis(2-chloroethoxy)methane	1.4	3.1 -2.5	2.2	-1.1	-4.5	1.4	30	30 30	30	30	30	30
Benzoic acid	4.8	4.4 5.6	-4.0	-8.0	-8.9	6.2	30	30 30	30	30	30	30
2,4-Dichlorophenol	5.5	-0.5 3.7	-10.0	-4.4	-6.1	11.7	30	30 30	30	30	30	30
1,2,4-Trichlorobenzene	1.1	-0.6 2.7	5.3	-7.4	-3.9	2.9	30	30 30	30	30	30	30
Naphthalene	2.7 -1.3	0.2 -4.3	-0.7	0.8	-1.2	3.8	30 30	30 30	30	30	30	30
4-Chloroaniline	-2.1	2.4 1.9	-6.4	4.7	-4.2	3.6	30	30 30	30	30	30	30
2,6-Dichlorophenol	-3.1	-2.9 1.7	5.3	3.6	-5.0	0.4	30	30 30	30	30	30	30
Hexachlorobutadiene	0.3	4.5 -3.3	2.9	-2.9	-0.1	-1.5	30	30 30	30	30	30	30
Caprolactam	2.2	-9.4 -3.6	17.2	-6.0	-2.6	2.1	30	30 30	30	30	30	30
4-Chloro-3-methylphenol	-2.7	5.0 -3.7	1.0	2.4	-4.6	2.6	30	30 30	30	30	30	30
2-Methylnaphthalene	-0.4 -3.4	-1.8 1.2	10.6	-2.9	-4.9	1.6	30 30	30 30	30	30	30	30
1-Methylnaphthalene	-0.5 -1.1	-0.3 -5.3	4.8	1.4	0.0	1.0	30 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Hexachlorocyclopentadiene	-0.8	-0.3 6.0	0.6	1.0	-11.4	4.9	30	30 30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-3.4	-0.4 0.9	-2.7	4.7	-0.7	1.7	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	4.2	2.9 -4.1	-7.8	4.9	-3.4	3.4	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	0.7	5.8 6.7	-8.6	-7.4	-0.1	3.0	30	30 30	30	30	30	30
Biphenyl	-1.1	3.4 3.9	-6.4	-7.3	6.4	1.1	30	30 30	30	30	30	30
2-Chloronaphthalene	-0.4	5.0 2.5	-10.5	0.0	-0.6	4.0	30	30 30	30	30	30	30
2-Nitroaniline	-2.2	1.3 -0.5	-3.6	2.6	-3.6	5.9	30	30 30	30	30	30	30
Dimethyl phthalate	-2.9	10.4 -1.5	0.8	-2.4	-2.8	-1.6	30	30 30	30	30	30	30
1,3-Dinitrobenzene	5.5	22.1 1.9	-2.0	-10.6	-12.8	-4.1	30	30 30	30	30	30	30
2,6-Dinitrotoluene	5.5	3.9 7.4	-2.5	-9.0	-8.1	2.8	30	30 30	30	30	30	30
Acenaphthylene	6.0 -5.5	7.4 -5.0	0.5	-0.1	-2.8	-0.6	30 30	30 30	30	30	30	30
3-Nitroaniline	1.8	2.7 0.2	-6.0	0.8	-0.9	1.3	30	30 30	30	30	30	30
Acenaphthene	-0.7 -1.7	0.4 -1.5	9.5	-5.0	-2.7	1.7	30 30	30 30	30	30	30	30
2,4-Dinitrophenol	4.2	23.9 4.0	-1.0	-9.4	-16.8	-5.0	30	30 30	30	30	30	30
4-Nitrophenol	2.0	3.3 0.9	-5.2	-2.7	-4.6	6.3	30	30 30	30	30	30	30
2,4-Dinitrotoluene	1.6	2.6 5.3	-0.5	-10.0	-2.1	3.1	30	30 30	30	30	30	30
Dibenzofuran	-1.1 -4.7	5.6 -0.9	0.6	-2.3	-0.1	2.8	30 30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	-0.1	-0.7 -0.6	1.5	0.9	-3.4	2.3	30	30 30	30	30	30	30
Diethyl phthalate	-0.6	-7.7 0.5	2.1	5.1	0.4	0.2	30	30 30	30	30	30	30
Hexadecane	-1.6	-1.8 2.1	-6.8	2.2	2.5	3.4	30	30 30	30	30	30	30
Fluorene	-1.6 -0.3	2.5 0.8	-1.9	-1.7	-1.8	4.0	30 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
4-Chlorophenyl phenyl ether	-3.9	4.0 0.7	0.2	1.3	-2.3	0.0	30	30 30	30	30	30	30
4-Nitroaniline	-1.4	1.4 -0.7	-17.1	8.4	1.9	7.5	30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	7.2	6.2 9.2	-6.2	-11.6	-7.3	2.6	30	30 30	30	30	30	30
Diphenylamine	-0.2	1.0 -0.6	-1.0	-2.7	0.6	2.9	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	-0.2	1.0 -0.6	-1.0	-2.7	0.6	2.9	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-1.2	-9.8 -1.8	2.5	4.5	2.2	3.6	30	30 30	30	30	30	30
trans-Azobenzene	-1.2	-9.8 -1.8	2.5	4.5	2.2	3.6	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	-1.3	10.9 2.8	-8.1	-7.0	-0.6	3.3	30	30 30	30	30	30	30
Hexachlorobenzene	1.4	7.0 -3.5	-0.2	-1.0	-3.6	-0.2	30	30 30	30	30	30	30
Atrazine	-2.7	1.7 -2.3	-3.9	-0.5	1.5	6.2	30	30 30	30	30	30	30
Pentachlorophenol	5.0	3.6 4.4	-4.3	-4.9	-5.7	1.8	30	30 30	30	30	30	30
n-Octadecane	-3.6	-1.3 -0.2	3.8	-4.0	3.4	1.8	30	30 30	30	30	30	30
Phenanthrene	0.4 0.8	-3.4 -0.4	5.0	-5.2	-1.5	4.3	30 30	30 30	30	30	30	30
Anthracene	4.8 0.1	3.4 -2.5	-1.4	-3.2	-1.8	0.5	30 30	30 30	30	30	30	30
Carbazole	0.4	-0.7 -1.5	4.1	0.6	-1.0	-1.8	30	30 30	30	30	30	30
Di-n-butyl phthalate	1.4	-0.1 -3.5	0.9	0.8	-0.7	1.3	30	30 30	30	30	30	30
Fluoranthene	-0.3 -2.2	-1.3 -4.0	6.3	-1.2	1.5	1.1	30 30	30 30	30	30	30	30
Benzidine	-5.6	-4.9 -10.5	11.2	7.6	-0.5	2.7	30	30 30	30	30	30	30
Pyrene	6.5 -1.9	-2.7 -5.4	-1.2	3.1	-2.6	4.1	30 30	30 30	30	30	30	30
Butyl benzyl phthalate	4.4	-4.7 -3.0	0.1	2.1	-4.9	6.1	30	30 30	30	30	30	30
3,3'-Dichlorobenzidine	3.4	0.4 -3.5	0.0	-0.7	-4.1	4.5	30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1 | Analy Batch No.: 752954

SDG No.:

Instrument ID: HP5973X | GC Column: RXI-5Sil MS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/30/2025 09:55 | Calibration End Date: 07/30/2025 12:48 | Calibration ID: 48653

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Benzo[a]anthracene	-0.6 2.4	3.3 -4.1	2.2	-4.5	-4.2	5.6	30 30	30 30	30	30	30	30
Bis(2-ethylhexyl) phthalate	 2.8	-2.8 -0.9	3.6	-5.7	-3.6	6.5	 30	30 30	30	30	30	30
Chrysene	1.3 0.5	-1.4 -5.9	4.1	0.8	-2.9	3.4	30 30	30 30	30	30	30	30
Di-n-octyl phthalate	 3.4	0.7 -4.8	-0.1	-2.7	-3.2	6.7	 30	30 30	30	30	30	30
Benzo[b]fluoranthene	1.1 0.9	-4.8 2.1	0.0	-3.5	-3.3	7.6	30 30	30 30	30	30	30	30
Benzo[k]fluoranthene	-0.7 -2.2	3.1 -1.7	4.6	-7.6	-2.5	7.0	30 30	30 30	30	30	30	30
Benzo[a]pyrene	-0.8 -0.4	5.5 0.1	0.7	-7.4	-1.8	4.1	30 30	30 30	30	30	30	30
Indeno[1,2,3-cd]pyrene	0.5 1.8	-0.4 3.0	-0.9	-7.4	-1.6	5.2	30 30	30 30	30	30	30	30
Dibenz(a,h)anthracene	3.3 5.7	-11.7 6.5	-10.2	-2.8	-1.6	10.7	30 30	30 30	30	30	30	30
Benzo[g,h,i]perylene	2.6 1.0	-12.7 4.4	-0.1	-3.6	-0.4	8.9	30 30	30 30	30	30	30	30
2-Fluorophenol	 3.9	-2.1 -2.3	9.3	-9.3	-5.6	6.1	 30	30 30	30	30	30	30
Phenol-d5	 4.7	-4.7 -3.8	3.4	-2.9	-1.1	4.3	 30	30 30	30	30	30	30
Nitrobenzene-d5	 3.5	5.1 1.7	-8.7	-4.5	0.3	2.5	 30	30 30	30	30	30	30
2-Fluorobiphenyl	 0.3	4.4 1.8	-8.2	-1.8	-2.3	5.7	 30	30 30	30	30	30	30
2,4,6-Tribromophenol	 -2.1	-3.2 1.5	8.3	-4.3	2.8	-3.0	 30	30 30	30	30	30	30
p-Terphenyl-d14	 -1.5	0.8 -4.3	12.0	-5.2	-2.4	0.6	 30	30 30	30	30	30	30

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364736.d
Lims ID: IC - List 1 - 0.50
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 30-Jul-2025 09:55:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-003
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:29:01 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:03:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.686	5.686	0.000	93	161815	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.225	0.005	97	547414	40.0	40.0	
* 3 Acenaphthene-d10	164	9.282	9.281	0.001	95	317665	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	632951	40.0	40.0	
* 5 Chrysene-d12	240	13.283	13.283	0.000	98	650118	40.0	40.0	
* 6 Perylene-d12	264	14.442	14.442	0.000	99	718871	40.0	40.0	
15 1,4-Dioxane	88	1.696	1.690	0.006	38	3793	1.50	1.31	a
69 Naphthalene	128	7.252	7.246	0.006	10	7543	0.5000	0.5135	a
82 2-Methylnaphthalene	142	8.074	8.069	0.005	44	3949	0.5000	0.4979	a
83 1-Methylnaphthalene	142	8.186	8.186	0.000	85	5330	0.5000	0.4977	
100 Acenaphthylene	152	9.111	9.111	0.000	92	8718	0.5000	0.5298	
102 Acenaphthene	153	9.314	9.319	-0.005	92	6655	0.5000	0.4965	
107 Dibenzofuran	168	9.517	9.517	0.000	91	9048	0.5000	0.4947	
115 Fluorene	166	9.912	9.912	0.000	78	5907	0.5000	0.4920	
141 Phenanthrene	178	10.922	10.922	0.000	9	9471	0.5000	0.5021	a
142 Anthracene	178	10.970	10.970	0.000	95	9467	0.5000	0.5238	
152 Fluoranthene	202	12.038	12.038	0.000	96	9332	0.5000	0.4983	
155 Pyrene	202	12.241	12.241	0.000	97	11456	0.5000	0.5327	
167 Benzo[a]anthracene	228	13.272	13.272	0.000	47	13416	0.5000	0.4969	a
169 Chrysene	228	13.299	13.299	0.000	94	10087	0.5000	0.5063	
174 Benzo[b]fluoranthene	252	14.138	14.138	0.000	74	8812	0.5000	0.5056	
175 Benzo[k]fluoranthene	252	14.154	14.159	-0.005	47	14180	0.5000	0.4966	a
177 Benzo[a]pyrene	252	14.394	14.394	0.000	48	7309	0.5000	0.4960	a
180 Indeno[1,2,3-cd]pyrene	276	15.345	15.345	0.000	83	11742	0.5000	0.5024	
181 Dibenz(a,h)anthracene	278	15.356	15.350	0.006	82	14368	0.5000	0.5166	
182 Benzo[g,h,i]perylene	276	15.596	15.607	-0.011	58	10825	0.5000	0.5130	

QC Flag Legend
Processing Flags

Review Flags
a - User Assigned ID

Reagents:

MB_LIST1_WRK_01073 Amount Added: 1.00 Units: mL

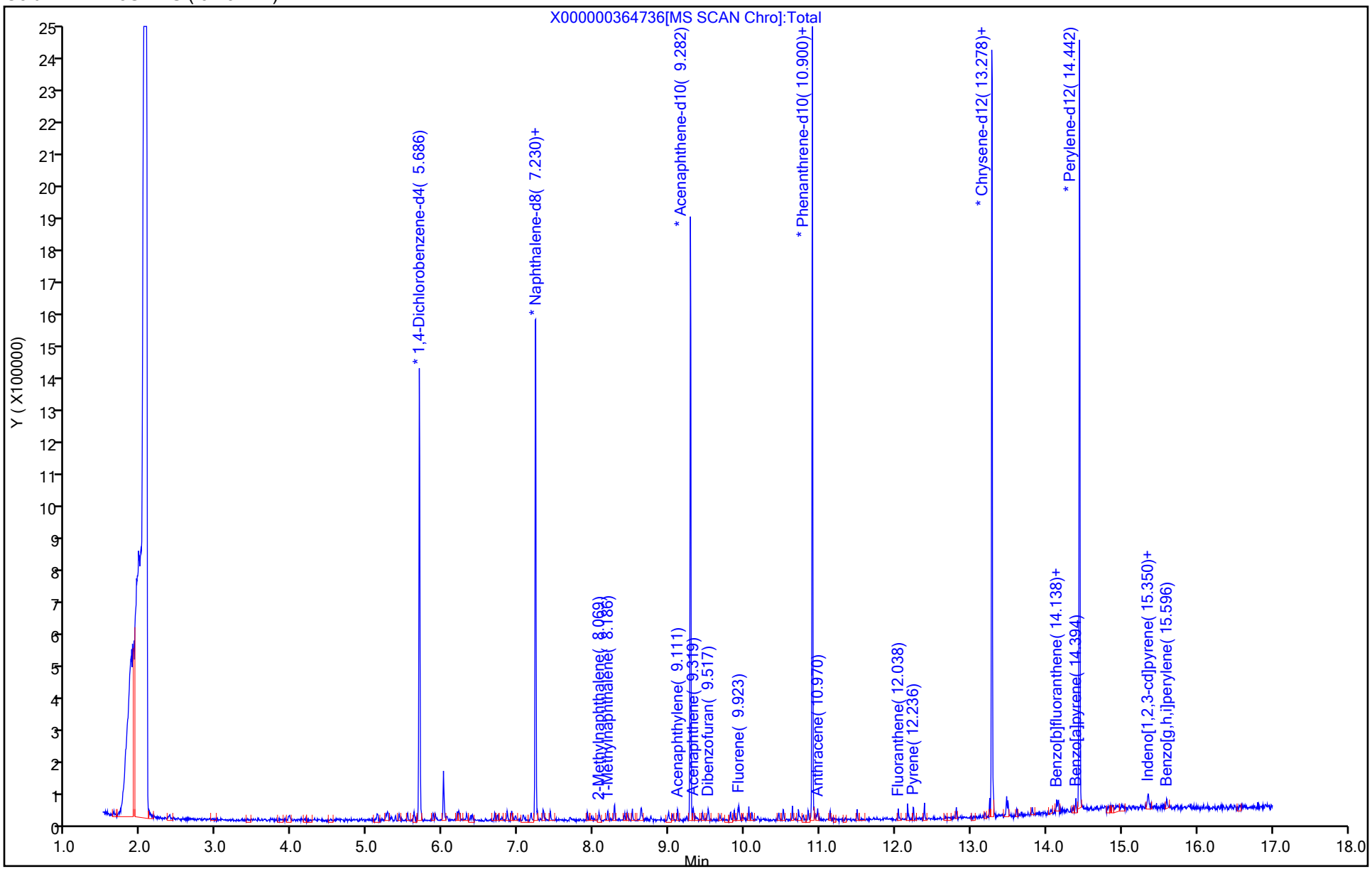
Report Date: 31-Jul-2025 11:29:01 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364736.d

Injection Date:	30-Jul-2025 09:55:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 0.50			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

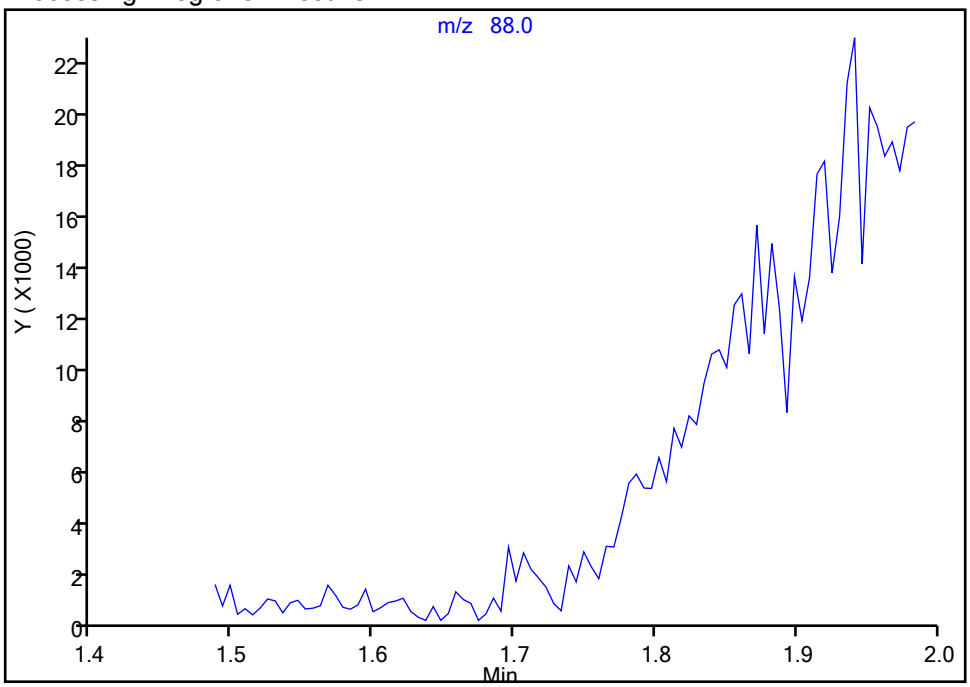
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364736.d
Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

15 1,4-Dioxane, CAS: 123-91-1

Signal: 1

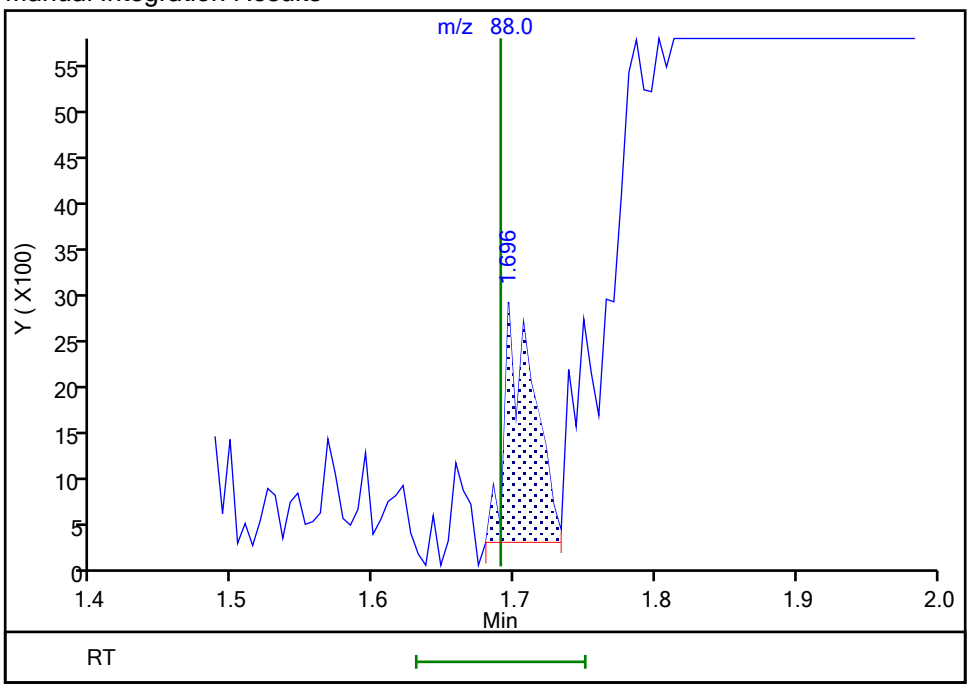
Not Detected
Expected RT: 1.69

Processing Integration Results



Manual Integration Results

RT: 1.70
Area: 3793
Amount: 1.308907
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

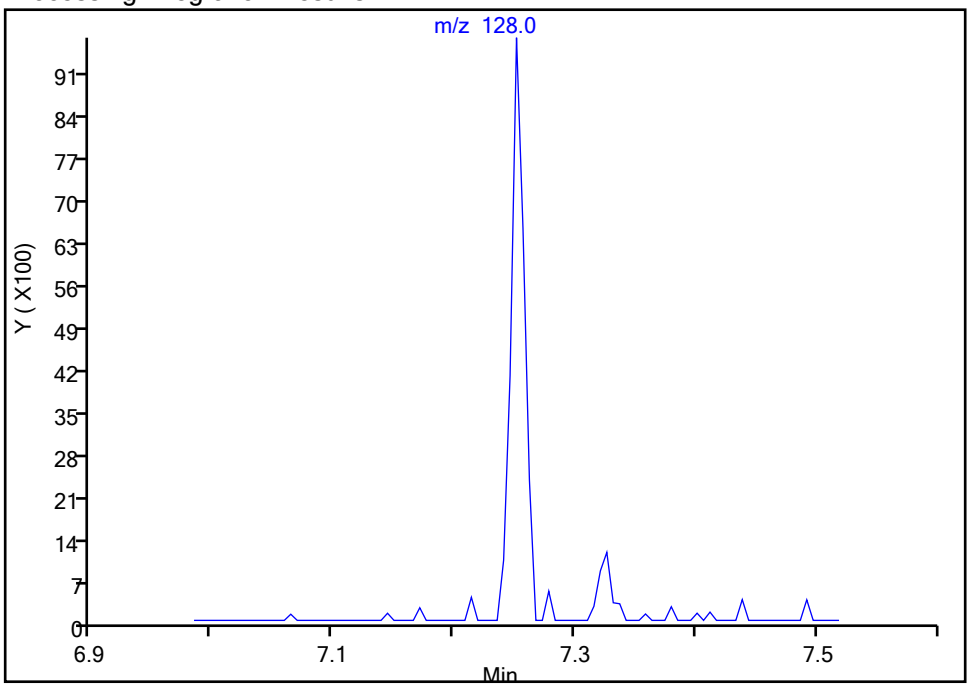
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364736.d
Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

69 Naphthalene, CAS: 91-20-3

Signal: 1

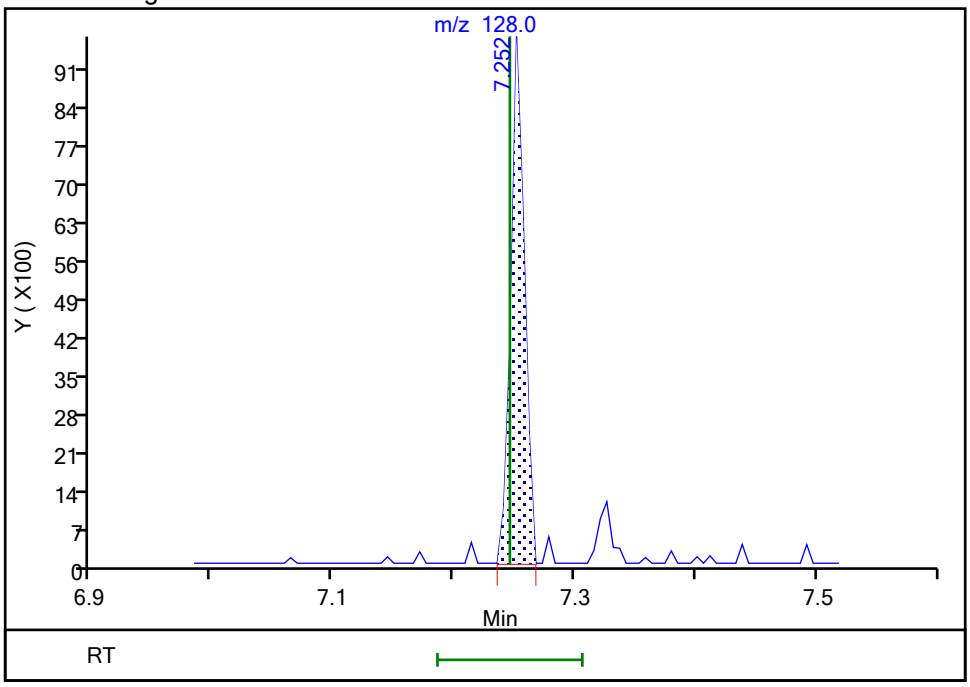
Not Detected
Expected RT: 7.25

Processing Integration Results



Manual Integration Results

RT: 7.25
Area: 7543
Amount: 0.513491
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

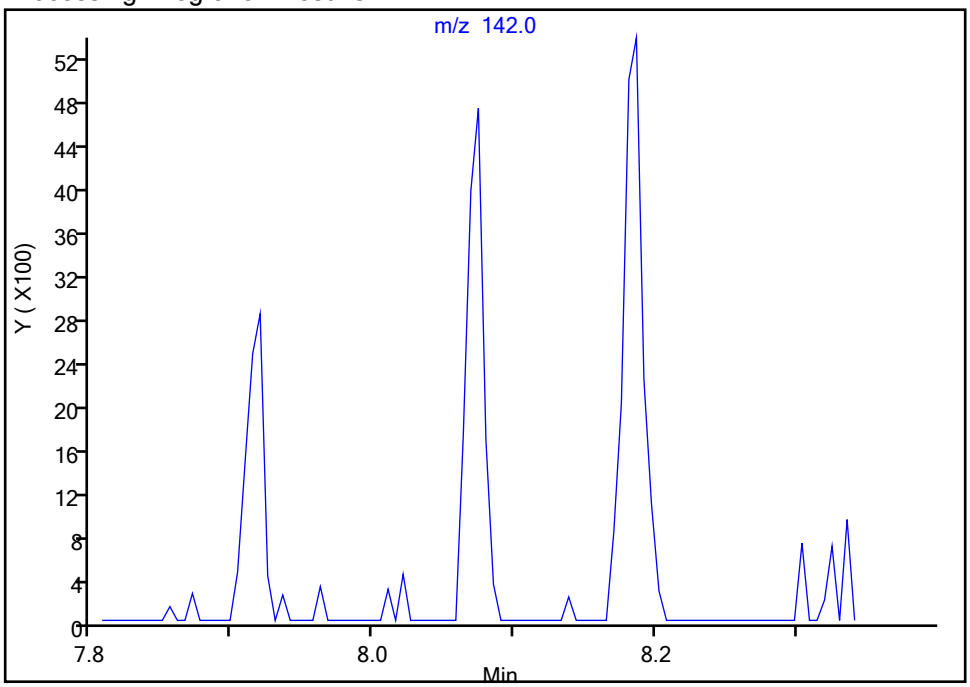
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Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

82 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

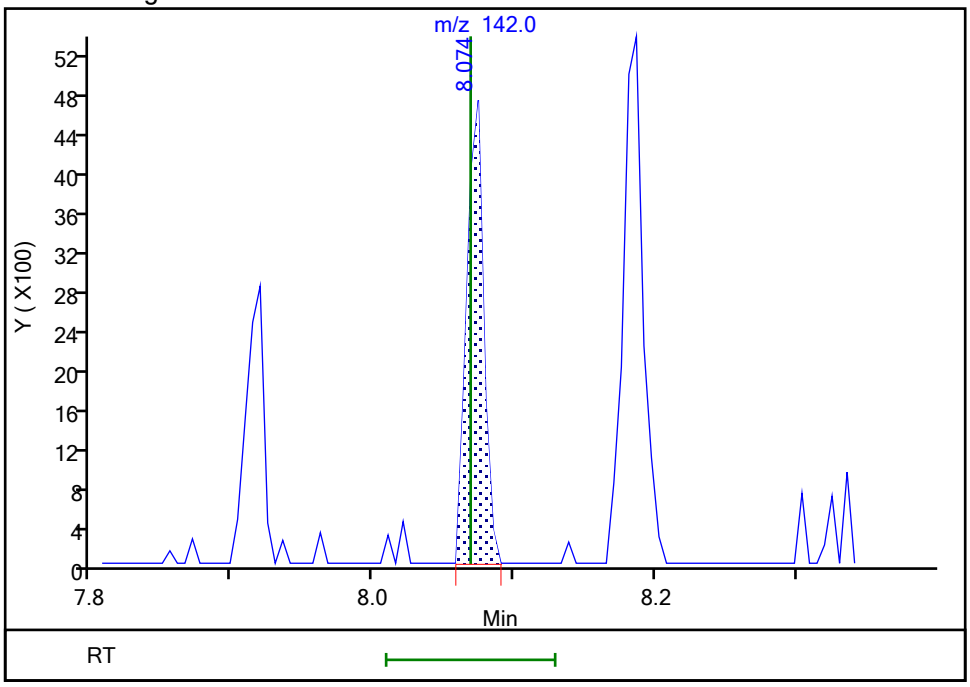
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 3949
Amount: 0.497886
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

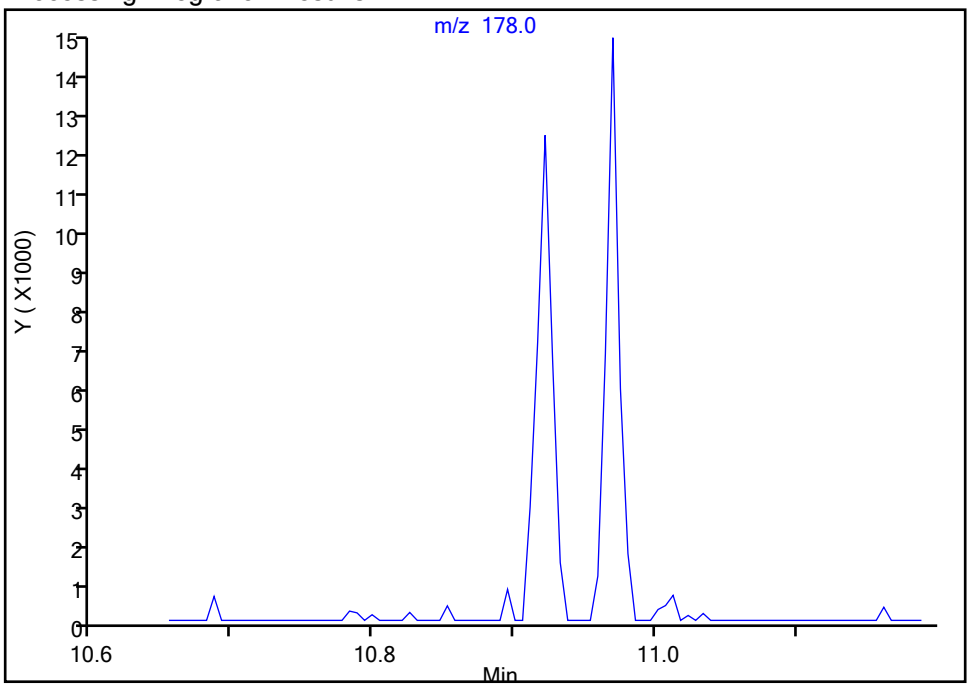
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Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

141 Phenanthrene, CAS: 85-01-8

Signal: 1

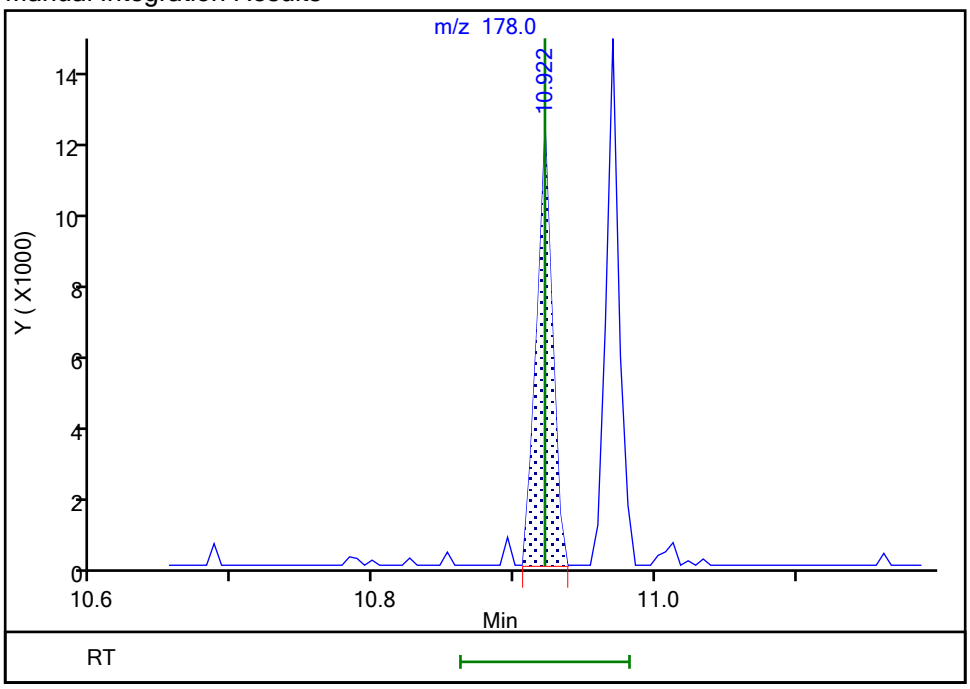
Not Detected
Expected RT: 10.92

Processing Integration Results



Manual Integration Results

RT: 10.92
Area: 9471
Amount: 0.502085
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

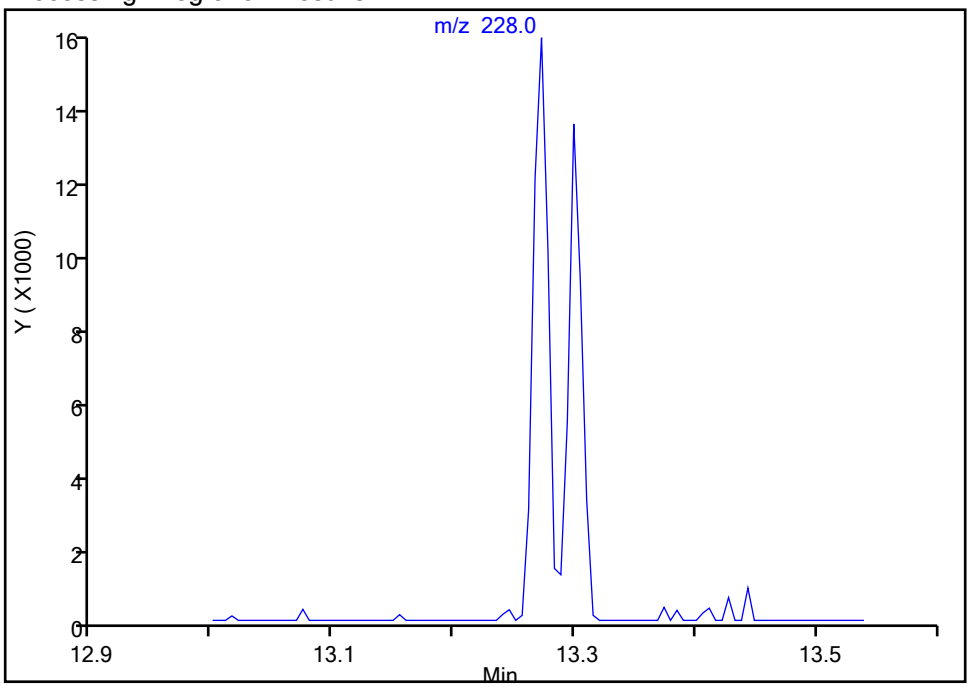
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Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

167 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

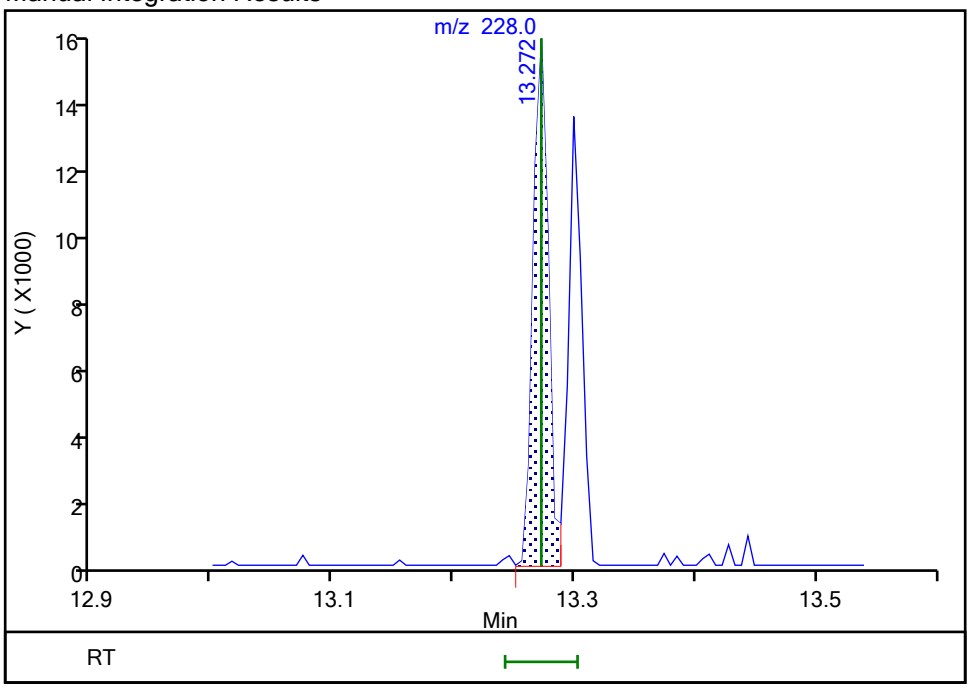
Not Detected
Expected RT: 13.27

Processing Integration Results



Manual Integration Results

RT: 13.27
Area: 13416
Amount: 0.496944
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

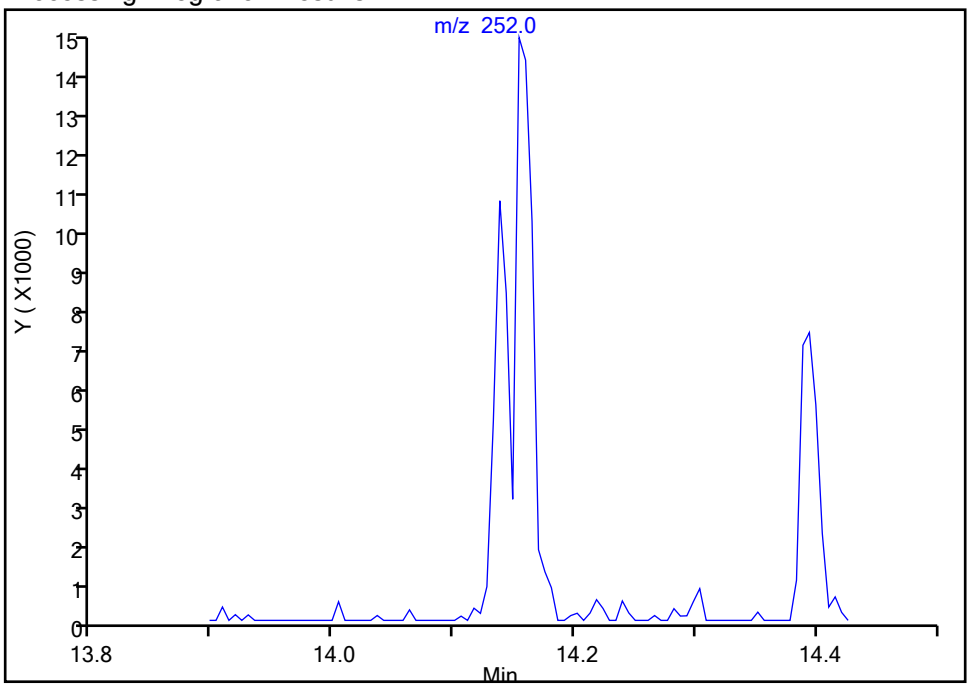
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364736.d
Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

175 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

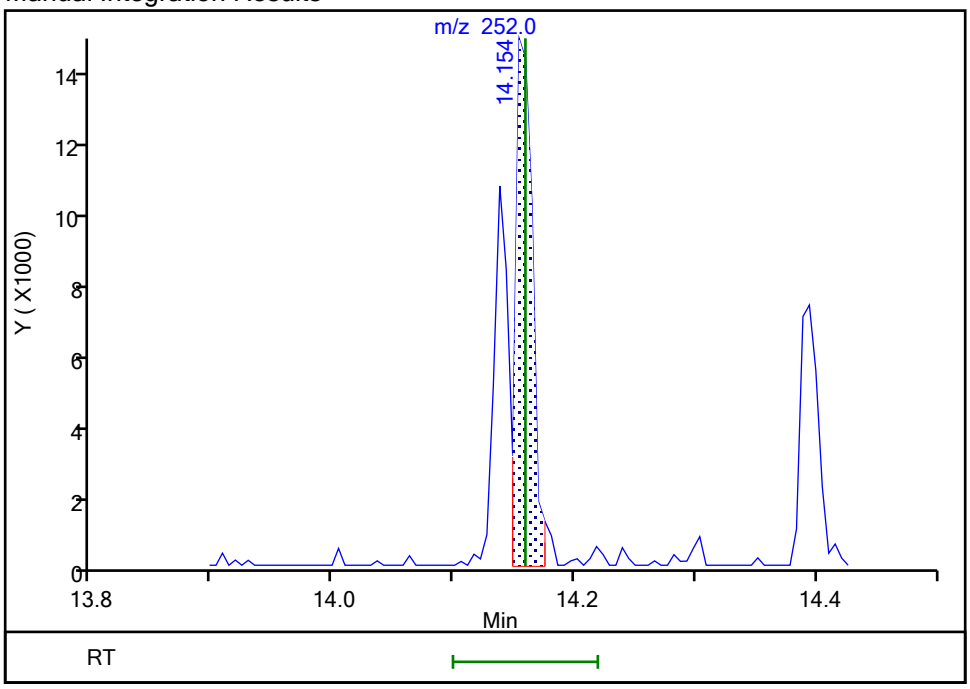
Not Detected
Expected RT: 14.16

Processing Integration Results



Manual Integration Results

RT: 14.15
Area: 14180
Amount: 0.496574
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

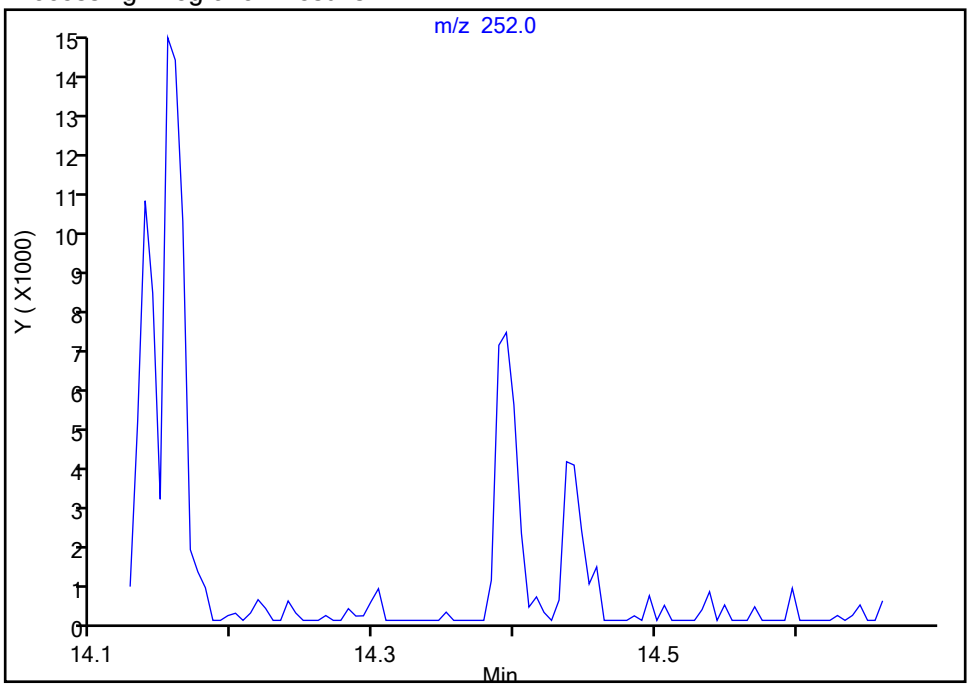
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364736.d
Injection Date: 30-Jul-2025 09:55:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

177 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

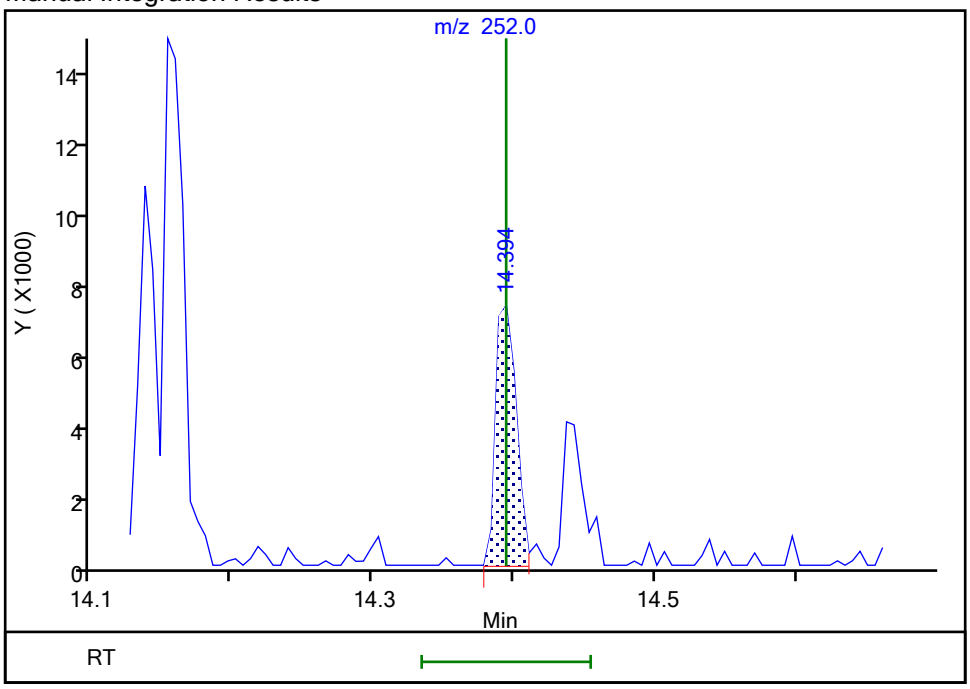
Not Detected
Expected RT: 14.39

Processing Integration Results



Manual Integration Results

RT: 14.39
Area: 7309
Amount: 0.495984
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d
Lims ID: IC - List 1 - 2.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 30-Jul-2025 10:20:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-004
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:29:07 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:04:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.692	5.686	0.006	95	168257	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.225	0.005	98	561724	40.0	40.0	
* 3 Acenaphthene-d10	164	9.282	9.281	0.001	95	325444	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	669601	40.0	40.0	
* 5 Chrysene-d12	240	13.283	13.283	0.000	99	713737	40.0	40.0	
* 6 Perylene-d12	264	14.442	14.442	0.000	99	806997	40.0	40.0	
$ 7 2-Fluorophenol	112	3.971	3.966	0.005	89	12948	2.50	2.45	
$ 8 Phenol-d5	99	5.248	5.237	0.011	90	19363	2.50	2.38	
$ 9 Nitrobenzene-d5	82	6.370	6.365	0.005	85	21156	2.50	2.63	
$ 10 2-Fluorobiphenyl	172	8.512	8.512	0.000	97	34273	2.50	2.61	
$ 11 2,4,6-Tribromophenol	330	10.179	10.174	0.005	85	4269	2.50	2.42	
$ 12 p-Terphenyl-d14	244	12.386	12.385	0.001	96	46943	2.50	2.52	
15 1,4-Dioxane	88	1.706	1.690	0.016	70	9319	2.50	3.09	
16 N-Nitrosodimethylamine	74	2.000	1.989	0.011	31	12542	2.50	2.51	a
17 Pyridine	52	2.059	2.037	0.022	36	25763	5.00	4.97	a
27 Benzaldehyde	77	5.131	5.125	0.006	87	25608	2.50	2.46	
28 Phenol	94	5.270	5.259	0.011	82	23395	2.50	2.50	
29 Aniline	93	5.275	5.264	0.011	90	26129	2.50	2.41	
31 Bis(2-chloroethyl)ether	93	5.371	5.366	0.005	90	15398	2.50	2.33	
32 2-Chlorophenol	128	5.425	5.419	0.006	86	12812	2.50	2.38	
35 n-Decane	57	5.531	5.526	0.005	80	15856	2.50	2.51	
36 1,3-Dichlorobenzene	146	5.622	5.611	0.011	83	17273	2.50	2.60	
37 1,4-Dichlorobenzene	146	5.708	5.708	0.000	76	12787	2.50	2.36	a
38 Benzyl alcohol	108	5.868	5.862	0.006	84	9053	2.50	2.51	
39 1,2-Dichlorobenzene	146	5.895	5.894	0.001	77	14257	2.50	2.50	
229 Indene	115	6.007	6.001	0.006	92	172418	15.0	15.5	
40 2-Methylphenol	108	6.023	6.017	0.006	82	13182	2.50	2.40	
42 2,2'-oxybis[1-chloropropane]	45	6.055	6.049	0.006	81	12022	2.50	2.41	
45 Acetophenone	105	6.189	6.183	0.005	94	27240	2.50	2.64	
47 N-Nitrosodi-n-propylamine	70	6.205	6.199	0.006	79	14964	2.50	2.57	
46 4-Methylphenol	108	6.215	6.210	0.005	91	17143	2.50	2.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.317	6.311	0.006	87	8193	2.50	2.57	
52 Nitrobenzene	77	6.392	6.386	0.006	86	19569	2.50	2.35	
56 Isophorone	82	6.685	6.680	0.005	97	38035	2.50	2.54	
58 2-Nitrophenol	139	6.776	6.781	-0.005	81	5731	2.50	2.49	
59 2,4-Dimethylphenol	107	6.856	6.851	0.005	90	20881	2.50	2.72	
64 Benzoic acid	105	6.947	6.936	0.011	85	56161	15.0	15.7	a
62 Bis(2-chloroethoxy)methane	93	6.963	6.963	0.000	96	19555	2.50	2.58	
65 2,4-Dichlorophenol	162	7.070	7.064	0.006	87	10931	2.50	2.49	
67 1,2,4-Trichlorobenzene	180	7.166	7.166	0.000	87	13937	2.50	2.49	
69 Naphthalene	128	7.252	7.246	0.006	95	37760	2.50	2.51	
71 4-Chloroaniline	127	7.326	7.326	0.000	89	15937	2.50	2.56	
70 2,6-Dichlorophenol	162	7.342	7.332	0.010	72	9775	2.50	2.43	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	91	11540	2.50	2.61	
78 Caprolactam	113	7.684	7.684	0.000	81	6047	2.50	2.26	a
79 4-Chloro-3-methylphenol	107	7.914	7.914	0.000	89	17443	2.50	2.63	
82 2-Methylnaphthalene	142	8.074	8.069	0.005	85	22522	2.50	2.45	
83 1-Methylnaphthalene	142	8.187	8.186	0.001	87	24427	2.50	2.49	
84 Hexachlorocyclopentadiene	237	8.277	8.272	0.005	86	12676	2.50	2.49	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.272	0.005	86	15119	2.50	2.49	
86 2,4,6-Trichlorophenol	196	8.411	8.405	0.006	89	8261	2.50	2.57	
87 2,4,5-Trichlorophenol	196	8.443	8.443	0.000	91	13023	2.50	2.64	
90 1,1'-Biphenyl	154	8.625	8.624	0.001	94	32954	2.50	2.59	
91 2-Chloronaphthalene	162	8.635	8.630	0.005	96	28326	2.50	2.63	
93 2-Nitroaniline	65	8.758	8.753	0.005	70	8296	2.50	2.53	
96 Dimethyl phthalate	163	8.988	8.988	0.000	95	34436	2.50	2.76	
97 1,3-Dinitrobenzene	168	9.004	8.998	0.006	41	3680	2.50	3.05	a
99 2,6-Dinitrotoluene	165	9.041	9.041	0.000	69	5635	2.50	2.60	
100 Acenaphthylene	152	9.116	9.111	0.005	95	45274	2.50	2.69	
101 3-Nitroaniline	138	9.234	9.233	0.001	85	4170	2.50	2.57	
102 Acenaphthene	153	9.319	9.319	0.000	93	27768	2.50	2.51	
103 2,4-Dinitrophenol	184	9.356	9.351	0.005	82	5455	5.00	6.19	
104 4-Nitrophenol	109	9.447	9.442	0.005	86	9703	5.00	5.17	
106 2,4-Dinitrotoluene	165	9.511	9.511	0.000	66	6893	2.50	2.56	
107 Dibenzofuran	168	9.522	9.517	0.005	94	42075	2.50	2.64	
110 2,3,4,6-Tetrachlorophenol	232	9.672	9.666	0.006	68	5678	2.50	2.48	
112 Diethyl phthalate	149	9.816	9.816	0.000	93	31198	2.50	2.31	
138 Hexadecane	57	9.859	9.864	-0.005	93	17450	2.50	2.45	
115 Fluorene	166	9.912	9.912	0.000	91	31525	2.50	2.56	
116 4-Chlorophenyl phenyl ether	204	9.928	9.923	0.005	89	17101	2.50	2.60	
118 4-Nitroaniline	138	9.933	9.928	0.005	74	6711	2.50	2.53	
119 4,6-Dinitro-2-methylphenol	198	9.971	9.976	-0.005	62	6459	5.00	5.31	
121 Diphenylamine	169	10.056	10.051	0.005	85	20458	2.14	2.16	
120 N-Nitrosodiphenylamine	169	10.056	10.051	0.005	88	20458	2.50	2.52	
123 1,2-Diphenylhydrazine	77	10.099	10.099	0.000	95	41647	2.50	2.26	
122 Azobenzene	77	10.099	10.099	0.000	97	41647	2.50	2.26	
130 4-Bromophenyl phenyl ether	248	10.452	10.457	-0.005	71	11771	2.50	2.77	
131 Hexachlorobenzene	284	10.516	10.516	0.000	91	13915	2.50	2.68	
133 Atrazine	200	10.639	10.633	0.006	88	16812	2.50	2.54	
134 Pentachlorophenol	266	10.719	10.713	0.006	84	10994	5.00	5.18	
113 n-Octadecane	57	10.842	10.841	0.001	87	16765	2.50	2.47	
141 Phenanthrene	178	10.922	10.922	0.000	96	44220	2.50	2.42	
142 Anthracene	178	10.970	10.970	0.000	97	49449	2.50	2.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.135	11.135	0.000	97	41859	2.50	2.48	
145 Di-n-butyl phthalate	149	11.493	11.493	0.000	98	57006	2.50	2.50	
152 Fluoranthene	202	12.038	12.038	0.000	96	54529	2.50	2.47	
154 Benzidine	184	12.166	12.166	0.000	98	62702	5.00	4.75	
155 Pyrene	202	12.241	12.241	0.000	96	57432	2.50	2.43	
162 Butyl benzyl phthalate	149	12.808	12.807	0.001	97	25477	2.50	2.38	
166 3,3'-Dichlorobenzidine	252	13.251	13.251	0.000	74	38487	5.00	5.02	
167 Benzo[a]anthracene	228	13.272	13.272	0.000	96	62755	2.50	2.58	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.293	0.006	76	37888	2.50	2.43	
169 Chrysene	228	13.304	13.299	0.005	95	53920	2.50	2.47	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	98	58711	2.50	2.52	
174 Benzo[b]fluoranthene	252	14.138	14.138	0.000	95	57986	2.50	2.38	
175 Benzo[k]fluoranthene	252	14.159	14.159	0.000	95	65424	2.50	2.58	
177 Benzo[a]pyrene	252	14.394	14.394	0.000	74	57356	2.50	2.64	
180 Indeno[1,2,3-cd]pyrene	276	15.350	15.345	0.005	95	71527	2.50	2.49	
181 Dibenz(a,h)anthracene	278	15.356	15.350	0.006	73	54395	2.50	2.21	
182 Benzo[g,h,i]perylene	276	15.602	15.607	-0.005	95	48398	2.50	2.18	
S 237 Total Cresols	1				0			5.09	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_01074 Amount Added: 1.00 Units: mL

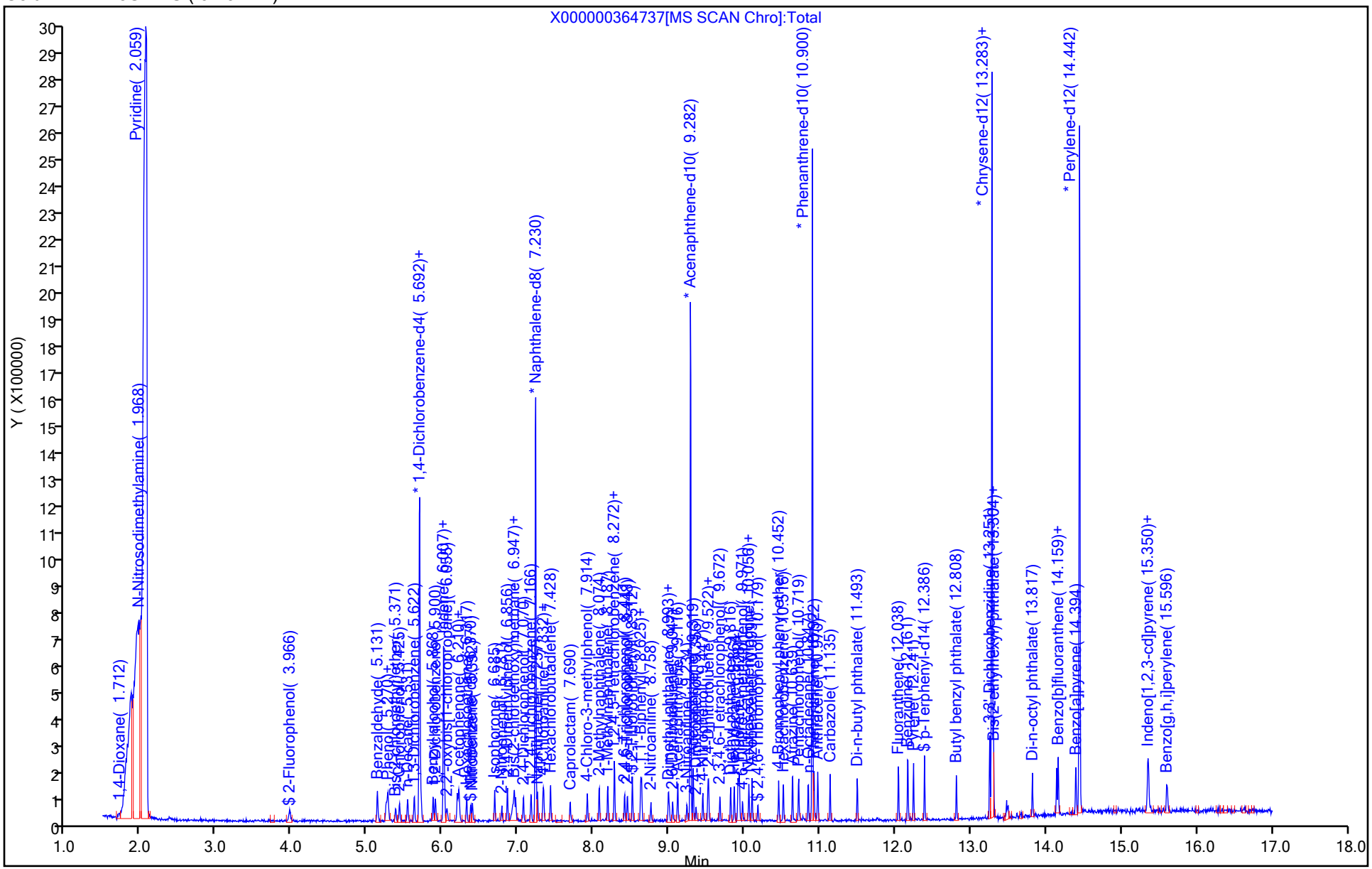
Report Date: 31-Jul-2025 11:29:07 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d

Injection Date:	30-Jul-2025 10:20:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 2.5			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

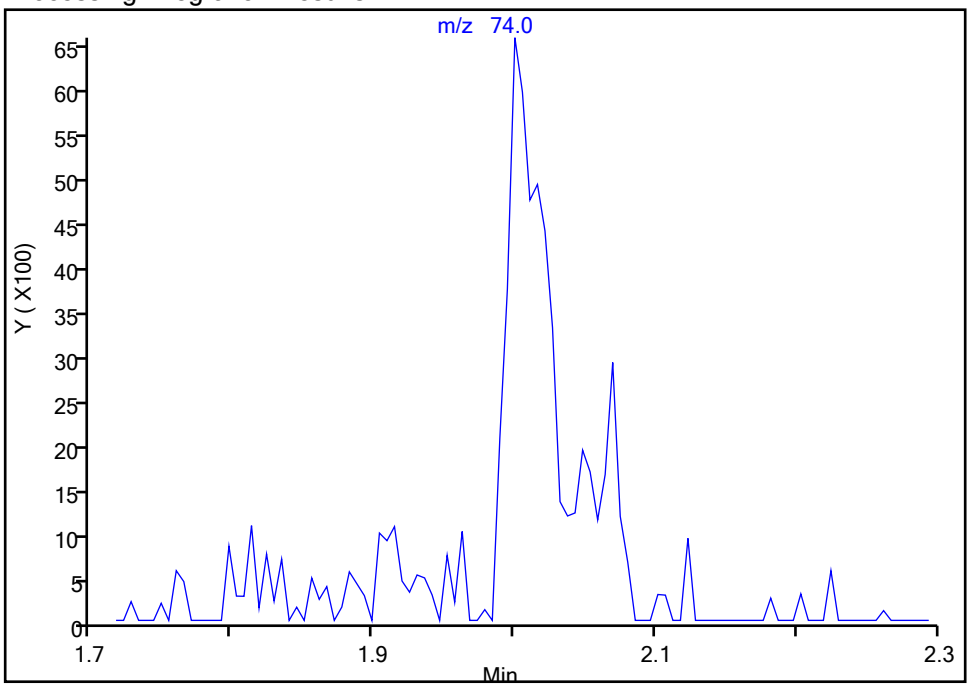
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d
Injection Date: 30-Jul-2025 10:20:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 2.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

16 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

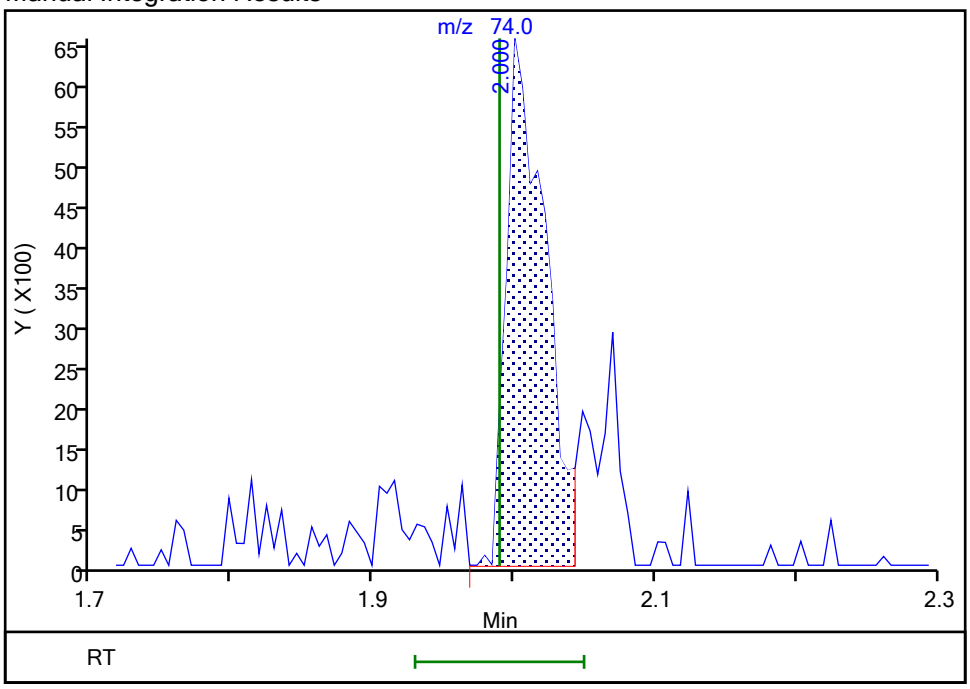
Not Detected
Expected RT: 1.99

Processing Integration Results



Manual Integration Results

RT: 2.00
Area: 12542
Amount: 2.514716
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:48 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

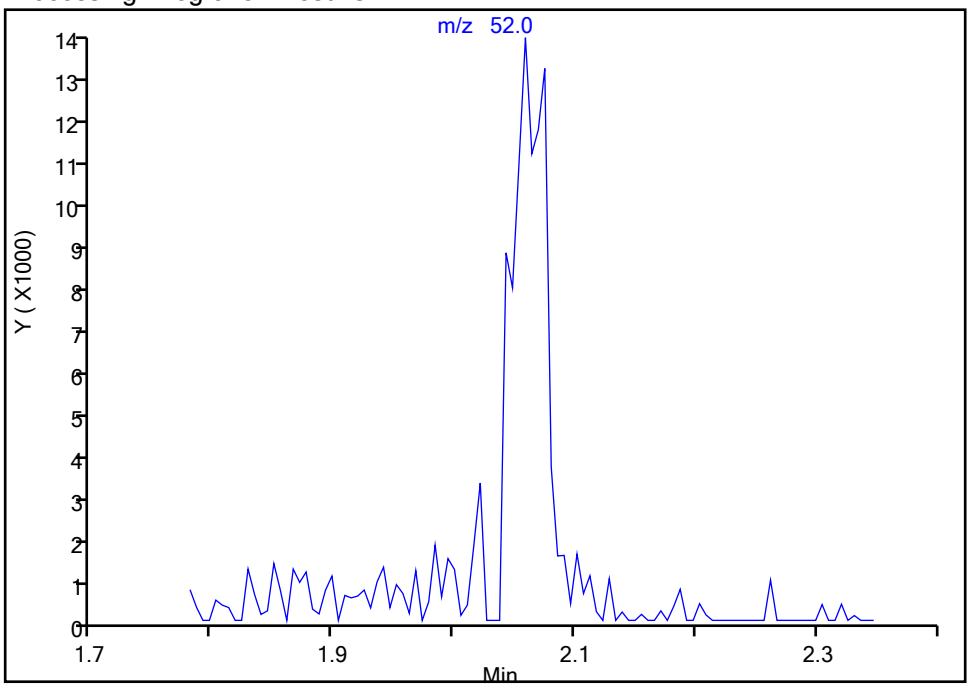
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d
Injection Date: 30-Jul-2025 10:20:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 2.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

17 Pyridine, CAS: 110-86-1

Signal: 1

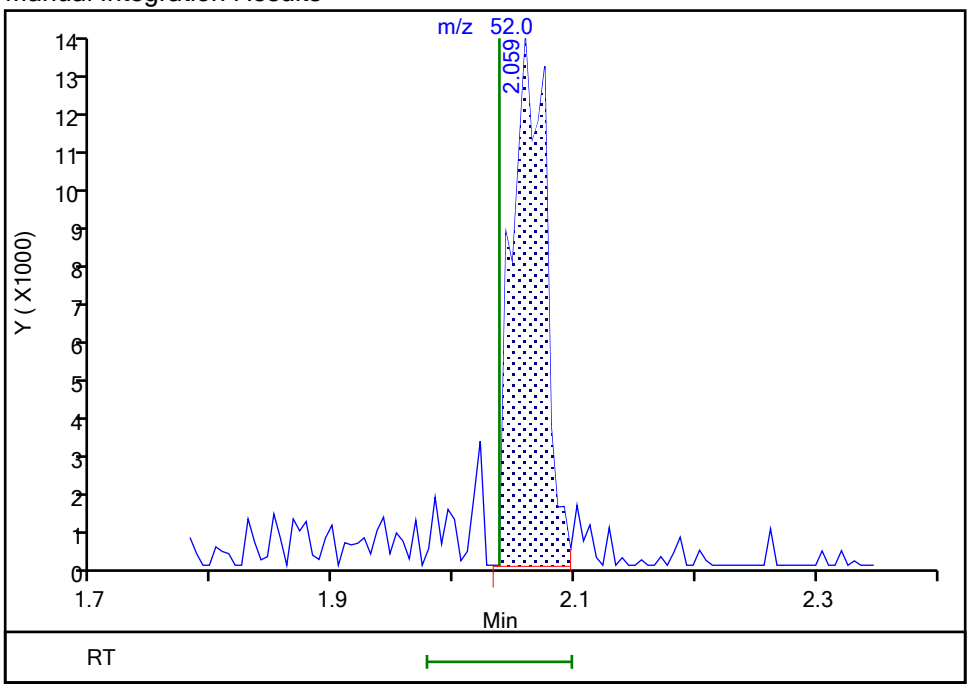
Not Detected
Expected RT: 2.04

Processing Integration Results



Manual Integration Results

RT: 2.06
Area: 25763
Amount: 4.971804
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:49 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

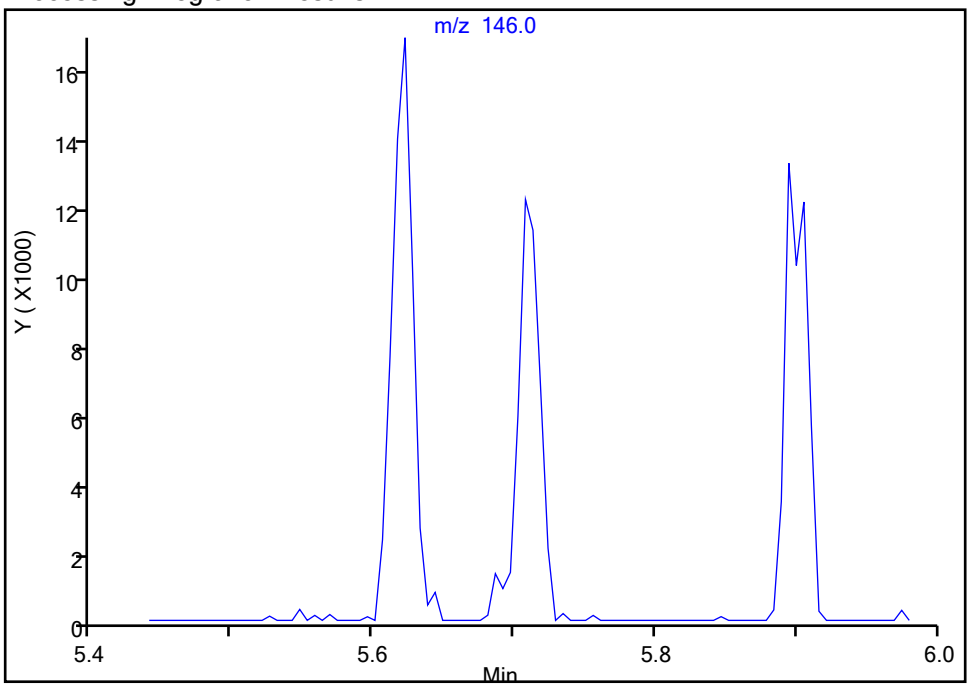
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d
Injection Date: 30-Jul-2025 10:20:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 2.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

37 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

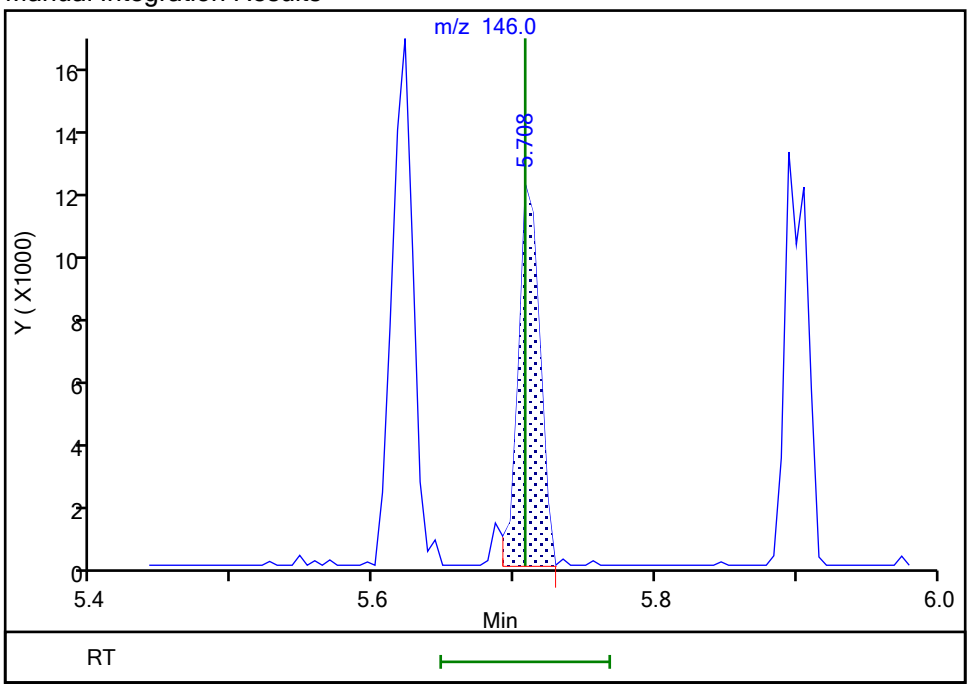
Not Detected
Expected RT: 5.71

Processing Integration Results



Manual Integration Results

RT: 5.71
Area: 12787
Amount: 2.355376
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

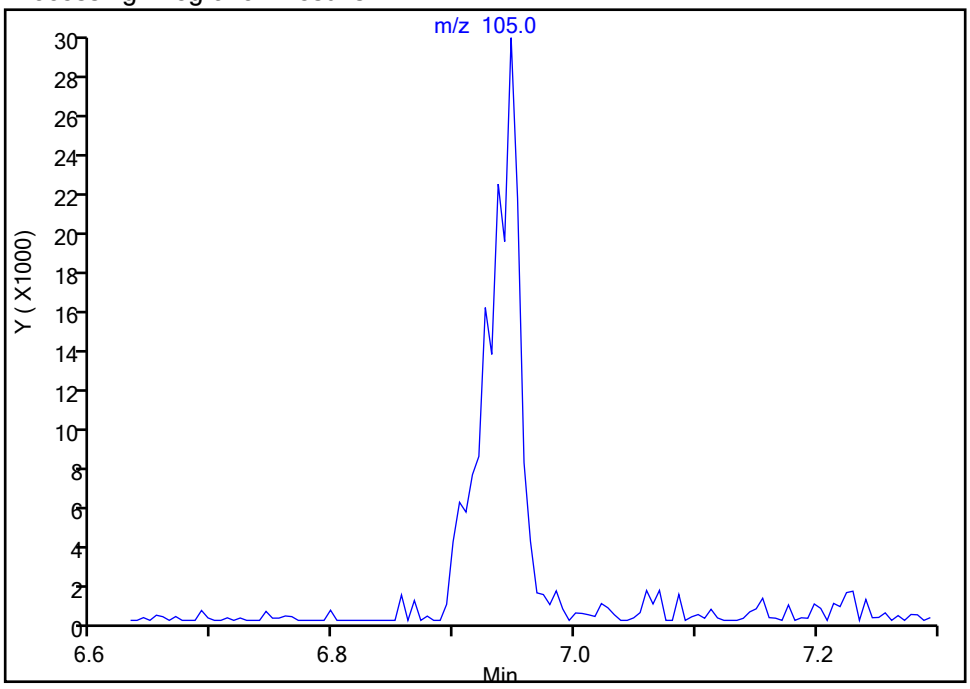
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Injection Date: 30-Jul-2025 10:20:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 2.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

64 Benzoic acid, CAS: 65-85-0

Signal: 1

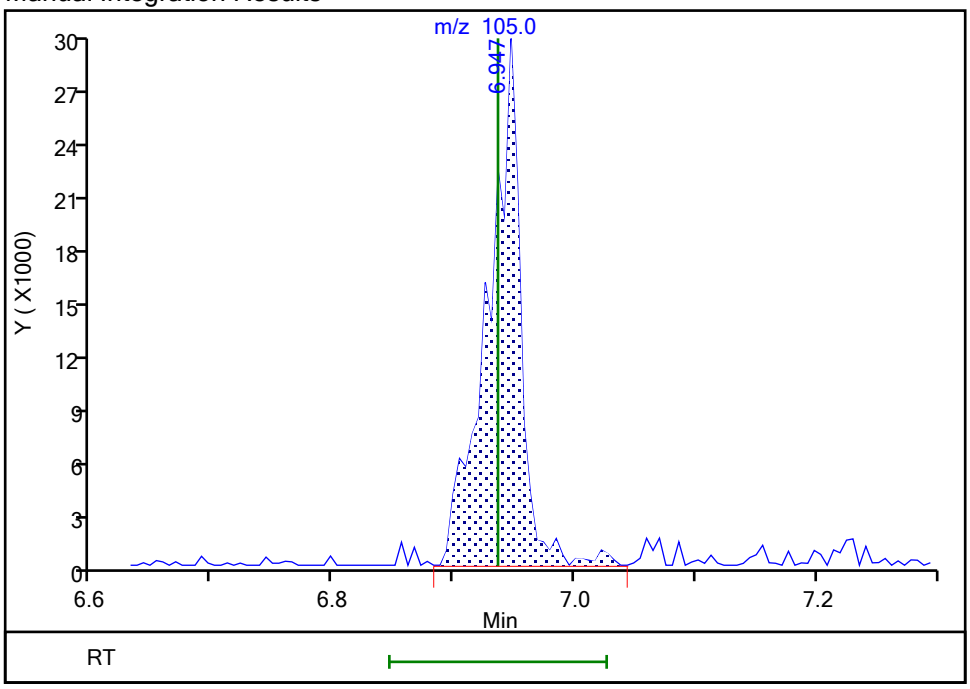
Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results

RT: 6.95
Area: 56161
Amount: 15.655192
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:54 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

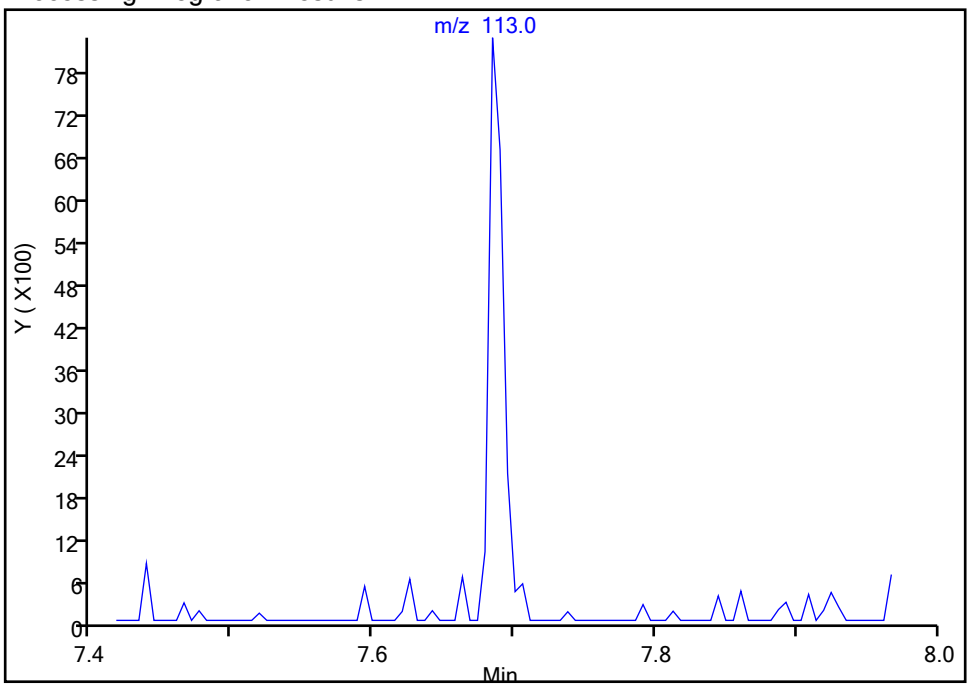
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d
Injection Date: 30-Jul-2025 10:20:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 2.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

78 Caprolactam, CAS: 105-60-2

Signal: 1

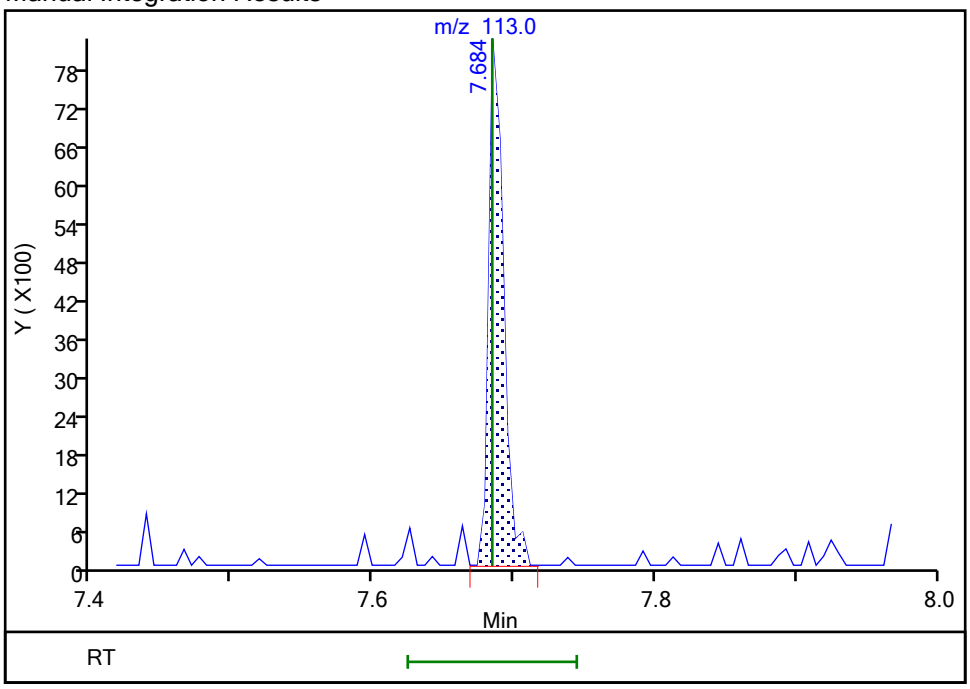
Not Detected
Expected RT: 7.68

Processing Integration Results



Manual Integration Results

RT: 7.68
Area: 6047
Amount: 2.264024
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

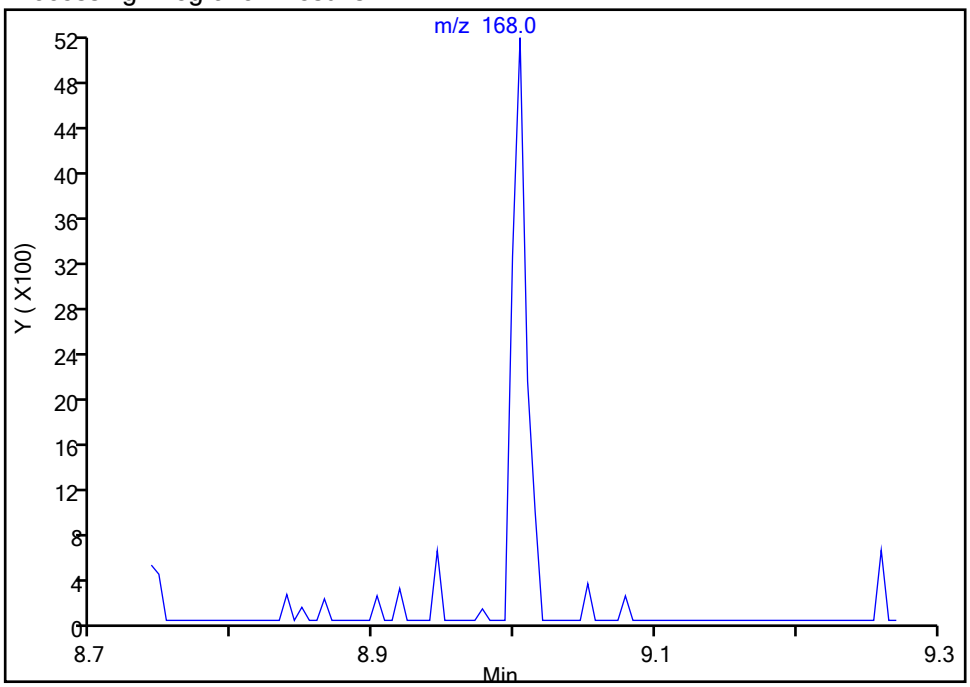
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364737.d
Injection Date: 30-Jul-2025 10:20:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 2.5
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

97 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

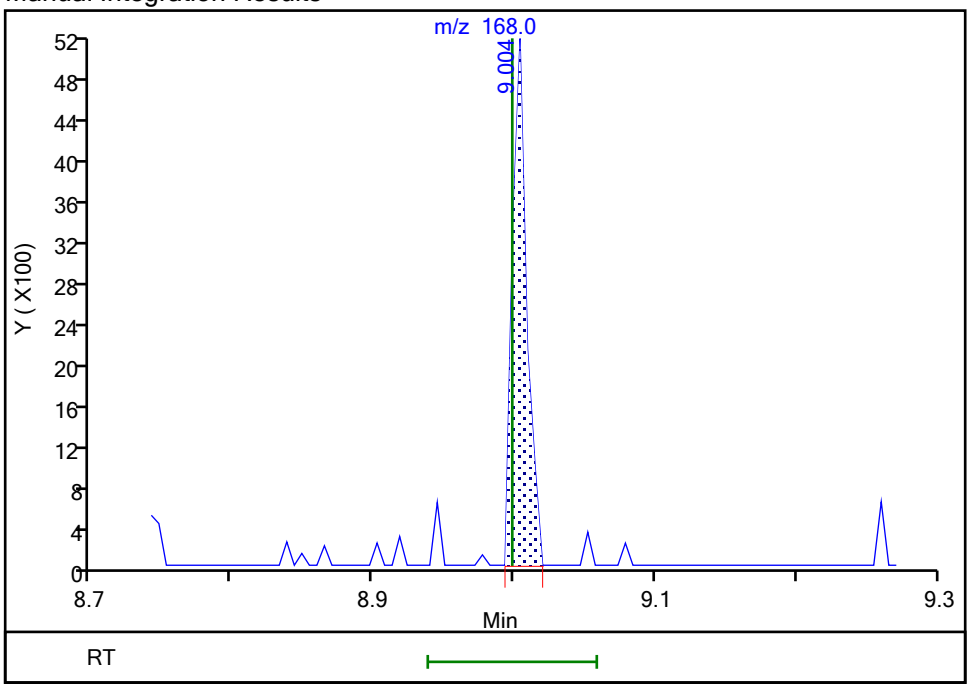
Not Detected
Expected RT: 9.00

Processing Integration Results



Manual Integration Results

RT: 9.00
Area: 3680
Amount: 3.052534
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:03:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d
Lims ID: IC - List 1 - 5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 30-Jul-2025 10:45:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-005
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:29:20 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:04:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.692	5.686	0.006	95	161208	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.225	0.005	98	555383	40.0	40.0	
* 3 Acenaphthene-d10	164	9.282	9.281	0.001	94	333250	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	97	649032	40.0	40.0	
* 5 Chrysene-d12	240	13.283	13.283	0.000	99	672216	40.0	40.0	
* 6 Perylene-d12	264	14.442	14.442	0.000	99	784498	40.0	40.0	
$ 7 2-Fluorophenol	112	3.966	3.966	0.000	88	30268	5.00	5.46	
$ 8 Phenol-d5	99	5.248	5.237	0.011	90	40284	5.00	5.17	
$ 9 Nitrobenzene-d5	82	6.370	6.365	0.005	89	37463	5.00	4.56	
$ 10 2-Fluorobiphenyl	172	8.512	8.512	0.000	96	59429	5.00	4.59	
$ 11 2,4,6-Tribromophenol	330	10.179	10.174	0.005	90	11815	5.00	5.41	
$ 12 p-Terphenyl-d14	244	12.386	12.385	0.001	95	98196	5.00	5.60	
15 1,4-Dioxane	88	1.717	1.690	0.027	65	17744	5.00	6.15	a
16 N-Nitrosodimethylamine	74	2.006	1.989	0.017	21	22606	5.00	4.94	a
17 Pyridine	52	2.059	2.037	0.022	37	44913	10.0	10.1	a
27 Benzaldehyde	77	5.131	5.125	0.006	93	46061	5.00	5.00	
28 Phenol	94	5.259	5.259	0.000	95	45034	5.00	5.03	a
29 Aniline	93	5.275	5.264	0.011	97	50747	5.00	4.88	
31 Bis(2-chloroethyl)ether	93	5.366	5.366	0.000	97	35774	5.00	5.65	
32 2-Chlorophenol	128	5.425	5.419	0.006	84	26476	5.00	5.14	
35 n-Decane	57	5.531	5.526	0.005	79	29579	5.00	5.17	
36 1,3-Dichlorobenzene	146	5.622	5.611	0.011	87	28103	5.00	4.64	
37 1,4-Dichlorobenzene	146	5.708	5.708	0.000	87	32086	5.00	5.69	
38 Benzyl alcohol	108	5.868	5.862	0.006	85	19717	5.00	5.05	
39 1,2-Dichlorobenzene	146	5.900	5.894	0.006	78	24892	5.00	4.56	
229 Indene	115	6.007	6.001	0.006	92	340328	30.0	31.6	
40 2-Methylphenol	108	6.023	6.017	0.006	91	31736	5.00	5.53	
42 2,2'-oxybis[1-chloropropane]	45	6.055	6.049	0.006	71	26112	5.00	5.46	
45 Acetophenone	105	6.189	6.183	0.006	90	47876	5.00	4.83	
47 N-Nitrosodi-n-propylamine	70	6.210	6.199	0.011	76	27136	5.00	4.86	
46 4-Methylphenol	108	6.210	6.210	0.000	89	29854	5.00	4.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.317	6.311	0.006	85	15475	5.00	5.06	
52 Nitrobenzene	77	6.392	6.386	0.006	88	39708	5.00	4.82	
56 Isophorone	82	6.685	6.680	0.005	97	78425	5.00	5.29	
58 2-Nitrophenol	139	6.776	6.781	-0.005	82	13194	5.00	5.36	
59 2,4-Dimethylphenol	107	6.856	6.851	0.005	90	36516	5.00	4.82	
64 Benzoic acid	105	6.974	6.936	0.038	87	127778	30.0	28.8	a
62 Bis(2-chloroethoxy)methane	93	6.963	6.963	0.000	97	38299	5.00	5.11	
65 2,4-Dichlorophenol	162	7.070	7.064	0.006	88	19562	5.00	4.50	
67 1,2,4-Trichlorobenzene	180	7.166	7.166	0.000	87	27724	5.00	5.26	
69 Naphthalene	128	7.252	7.246	0.006	95	73978	5.00	4.96	
71 4-Chloroaniline	127	7.326	7.326	0.000	84	28797	5.00	4.68	
70 2,6-Dichlorophenol	162	7.337	7.332	0.005	82	22420	5.00	5.26	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	93	22470	5.00	5.15	
78 Caprolactam	113	7.695	7.684	0.011	85	15481	5.00	5.86	a
79 4-Chloro-3-methylphenol	107	7.914	7.914	0.000	89	33177	5.00	5.05	
82 2-Methylnaphthalene	142	8.074	8.069	0.005	92	50957	5.00	5.53	
83 1-Methylnaphthalene	142	8.187	8.186	0.001	88	49993	5.00	5.24	
84 Hexachlorocyclopentadiene	237	8.272	8.272	0.000	86	26195	5.00	5.03	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.272	0.005	91	30249	5.00	4.86	
86 2,4,6-Trichlorophenol	196	8.411	8.405	0.006	89	16057	5.00	4.61	
87 2,4,5-Trichlorophenol	196	8.448	8.443	0.005	87	20871	5.00	4.57	
90 1,1'-Biphenyl	154	8.625	8.624	0.001	96	61057	5.00	4.68	
91 2-Chloronaphthalene	162	8.635	8.630	0.005	95	47014	5.00	4.47	
93 2-Nitroaniline	65	8.758	8.753	0.005	73	18962	5.00	4.82	
96 Dimethyl phthalate	163	8.993	8.988	0.005	95	64368	5.00	5.04	
97 1,3-Dinitrobenzene	168	9.004	8.998	0.006	81	7069	5.00	4.90	
99 2,6-Dinitrotoluene	165	9.047	9.041	0.006	81	11478	5.00	4.87	
100 Acenaphthylene	152	9.116	9.111	0.005	97	86779	5.00	5.03	
101 3-Nitroaniline	138	9.239	9.233	0.006	86	10394	5.00	4.70	
102 Acenaphthene	153	9.319	9.319	0.000	94	60034	5.00	5.47	
103 2,4-Dinitrophenol	184	9.357	9.351	0.005	91	12010	10.0	9.90	
104 4-Nitrophenol	109	9.447	9.442	0.005	83	23946	10.0	9.48	
106 2,4-Dinitrotoluene	165	9.511	9.511	0.000	71	15923	5.00	4.97	
107 Dibenzofuran	168	9.522	9.517	0.005	93	80455	5.00	5.03	
110 2,3,4,6-Tetrachlorophenol	232	9.672	9.666	0.006	74	14749	5.00	5.08	
112 Diethyl phthalate	149	9.816	9.816	0.000	94	70673	5.00	5.11	
138 Hexadecane	57	9.864	9.864	0.000	93	33929	5.00	4.66	
115 Fluorene	166	9.912	9.912	0.000	96	61757	5.00	4.90	
116 4-Chlorophenyl phenyl ether	204	9.928	9.923	0.005	94	33756	5.00	5.01	
118 4-Nitroaniline	138	9.933	9.928	0.005	72	11235	5.00	4.14	
119 4,6-Dinitro-2-methylphenol	198	9.976	9.976	0.000	83	14847	10.0	9.38	
121 Diphenylamine	169	10.056	10.051	0.005	92	41791	4.28	4.23	
120 N-Nitrosodiphenylamine	169	10.056	10.051	0.005	95	41791	5.00	4.95	
123 1,2-Diphenylhydrazine	77	10.099	10.099	0.000	94	91664	5.00	5.12	
122 Azobenzene	77	10.099	10.099	0.000	97	91664	5.00	5.12	
130 4-Bromophenyl phenyl ether	248	10.457	10.457	0.000	74	18915	5.00	4.60	
131 Hexachlorobenzene	284	10.516	10.516	0.000	87	25147	5.00	4.99	
133 Atrazine	200	10.639	10.633	0.006	88	29744	5.00	4.81	
134 Pentachlorophenol	266	10.719	10.713	0.006	80	24607	10.0	9.57	
113 n-Octadecane	57	10.842	10.841	0.001	94	37201	5.00	5.19	
141 Phenanthrene	178	10.922	10.922	0.000	96	92002	5.00	5.25	
142 Anthracene	178	10.970	10.970	0.000	97	91417	5.00	4.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.135	11.135	0.000	98	85107	5.00	5.21	
145 Di-n-butyl phthalate	149	11.493	11.493	0.000	99	111567	5.00	5.04	
152 Fluoranthene	202	12.038	12.038	0.000	97	115451	5.00	5.32	
154 Benzidine	184	12.167	12.166	0.001	98	138166	10.0	11.1	
155 Pyrene	202	12.241	12.241	0.000	97	109891	5.00	4.94	
162 Butyl benzyl phthalate	149	12.808	12.807	0.001	94	50442	5.00	5.01	
166 3,3'-Dichlorobenzidine	252	13.251	13.251	0.000	74	78889	10.0	10.0	
167 Benzo[a]anthracene	228	13.272	13.272	0.000	96	113897	5.00	5.11	
172 Bis(2-ethylhexyl) phthalate	149	13.294	13.293	0.001	95	76081	5.00	5.18	
169 Chrysene	228	13.299	13.299	0.000	95	107262	5.00	5.21	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	99	114343	5.00	4.99	
174 Benzo[b]fluoranthene	252	14.138	14.138	0.000	95	121769	5.00	5.00	
175 Benzo[k]fluoranthene	252	14.159	14.159	0.000	97	124999	5.00	5.23	
177 Benzo[a]pyrene	252	14.394	14.394	0.000	74	109252	5.00	5.04	
180 Indeno[1,2,3-cd]pyrene	276	15.345	15.345	0.000	91	139938	5.00	4.96	
181 Dibenz(a,h)anthracene	278	15.356	15.350	0.006	74	103134	5.00	4.49	
182 Benzo[g,h,i]perylene	276	15.602	15.607	-0.005	95	106484	5.00	5.00	
S 237 Total Cresols	1				0			10.4	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_01075 Amount Added: 1.00 Units: mL

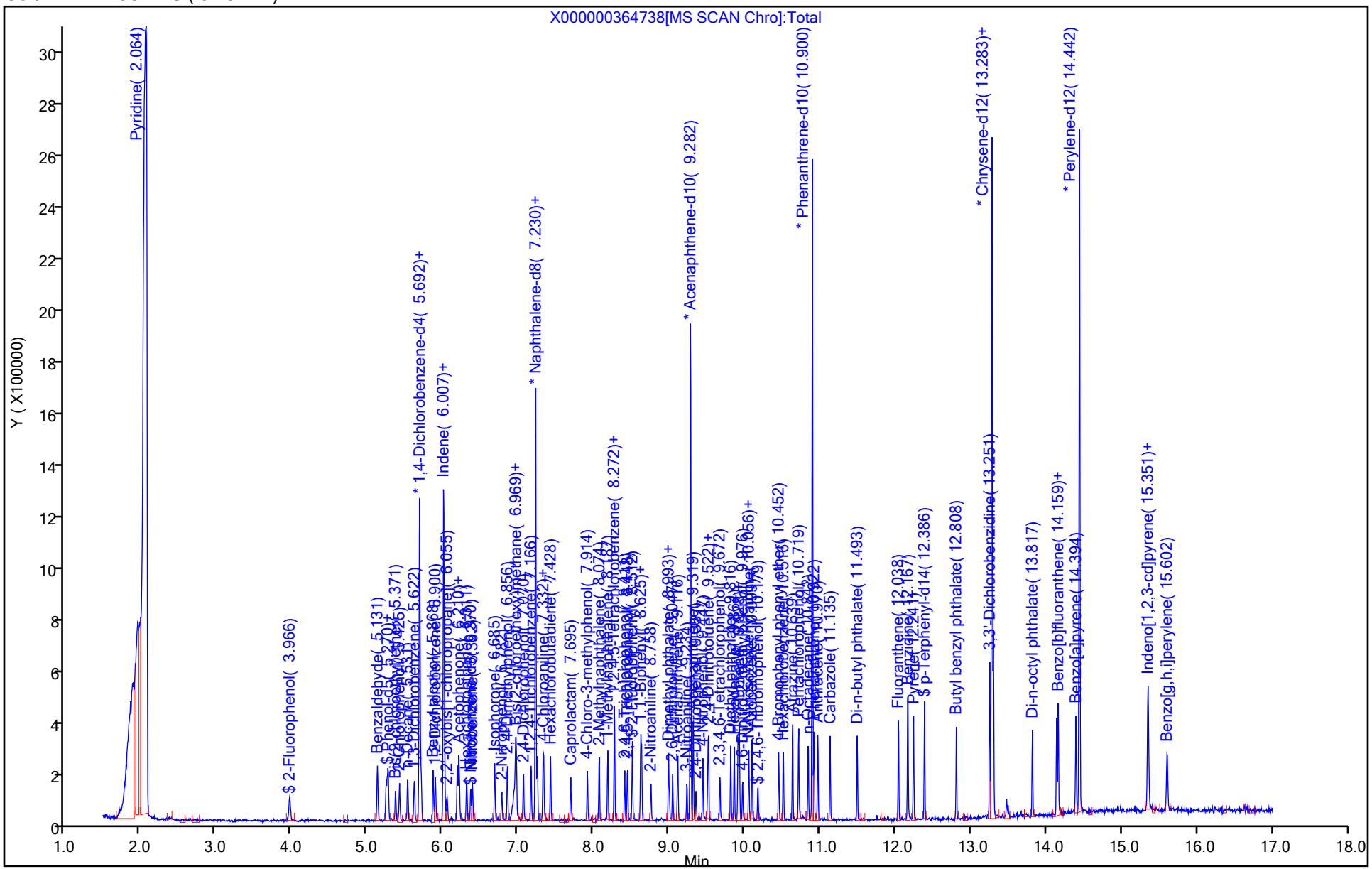
Report Date: 31-Jul-2025 11:29:21 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d

Injection Date:	30-Jul-2025 10:45:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

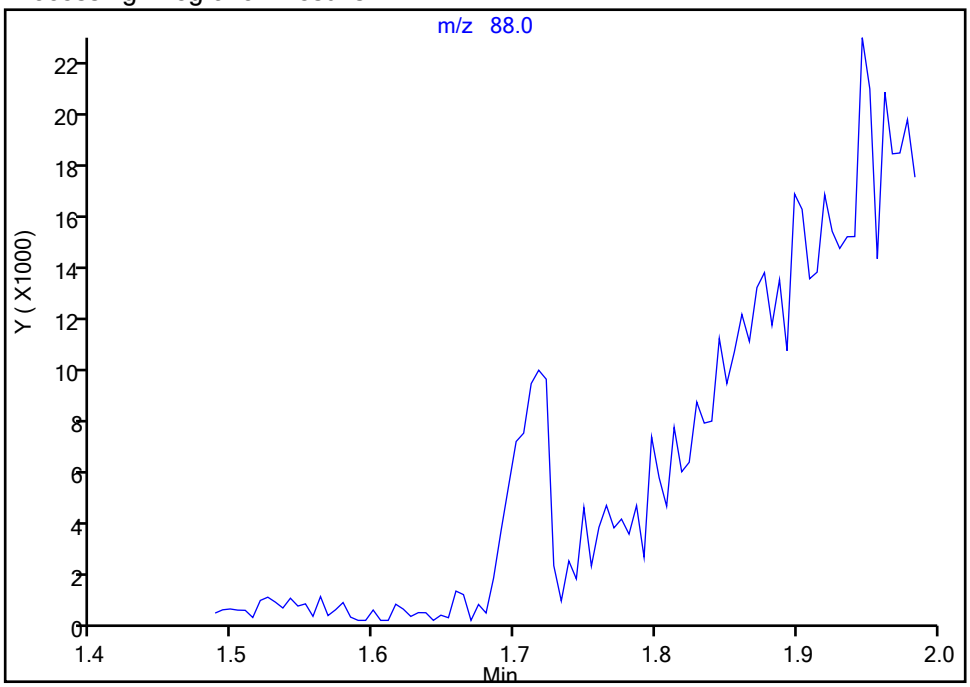
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d
Injection Date: 30-Jul-2025 10:45:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 5
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

15 1,4-Dioxane, CAS: 123-91-1

Signal: 1

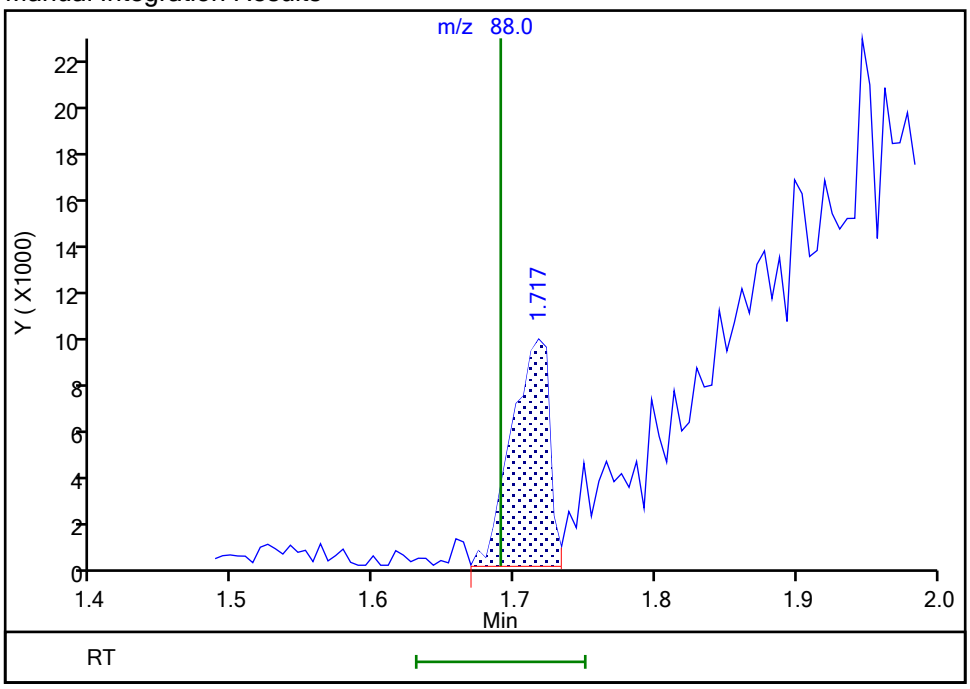
Not Detected
Expected RT: 1.69

Processing Integration Results



Manual Integration Results

RT: 1.72
Area: 17744
Amount: 6.146242
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:11 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

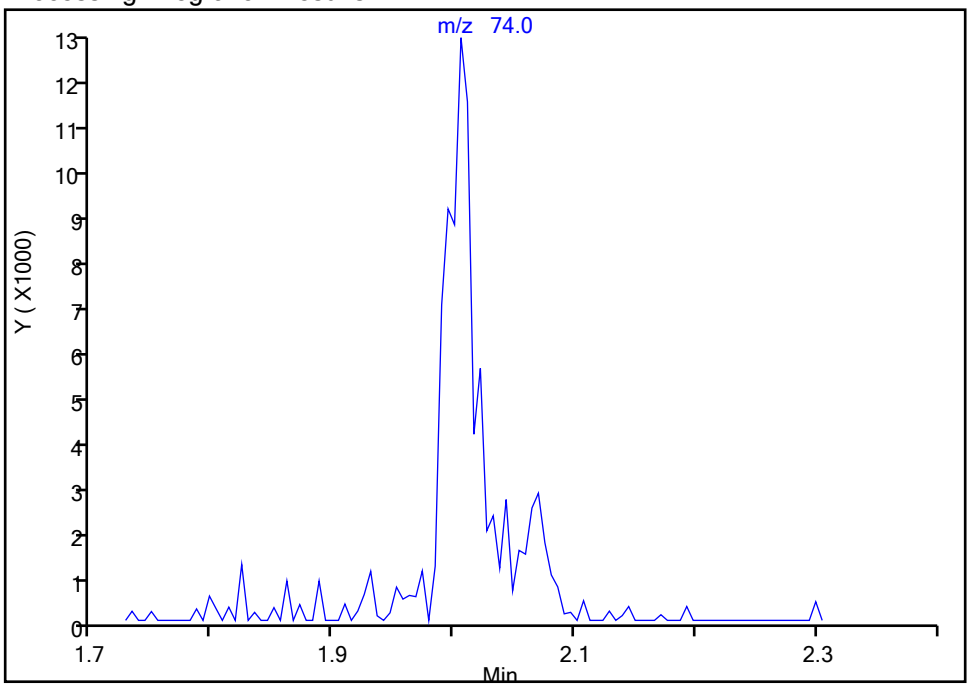
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d
Injection Date: 30-Jul-2025 10:45:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 5
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

16 N-Nitrosodimethylamine, CAS: 62-75-9

Signal: 1

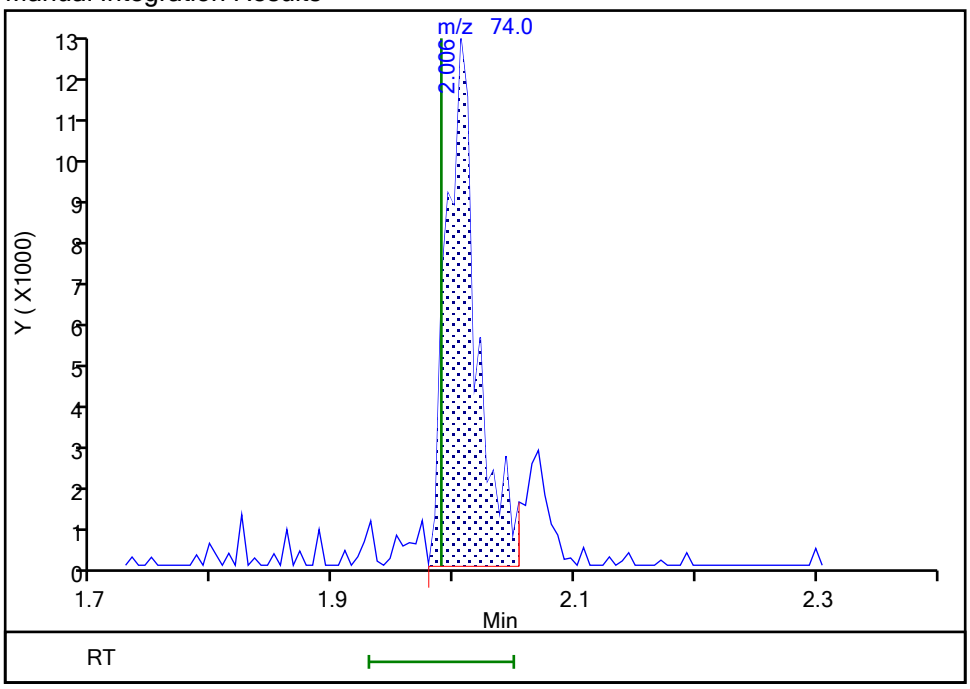
Not Detected
Expected RT: 1.99

Processing Integration Results



Manual Integration Results

RT: 2.01
Area: 22606
Amount: 4.936034
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:13 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

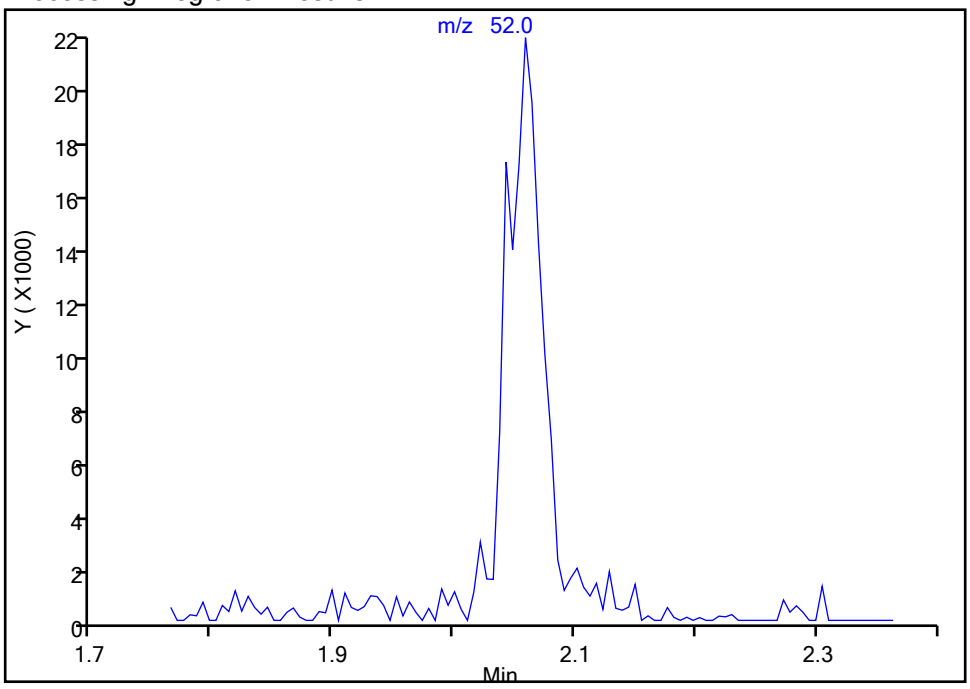
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d
Injection Date: 30-Jul-2025 10:45:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 5
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

17 Pyridine, CAS: 110-86-1

Signal: 1

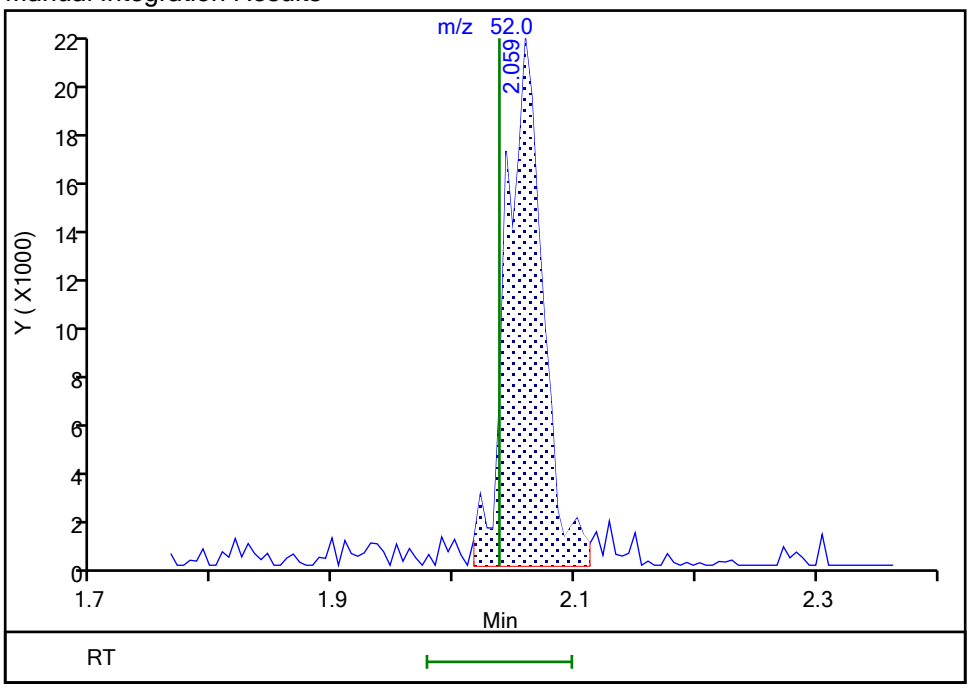
Not Detected
Expected RT: 2.04

Processing Integration Results



Manual Integration Results

RT: 2.06
Area: 44913
Amount: 10.132332
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

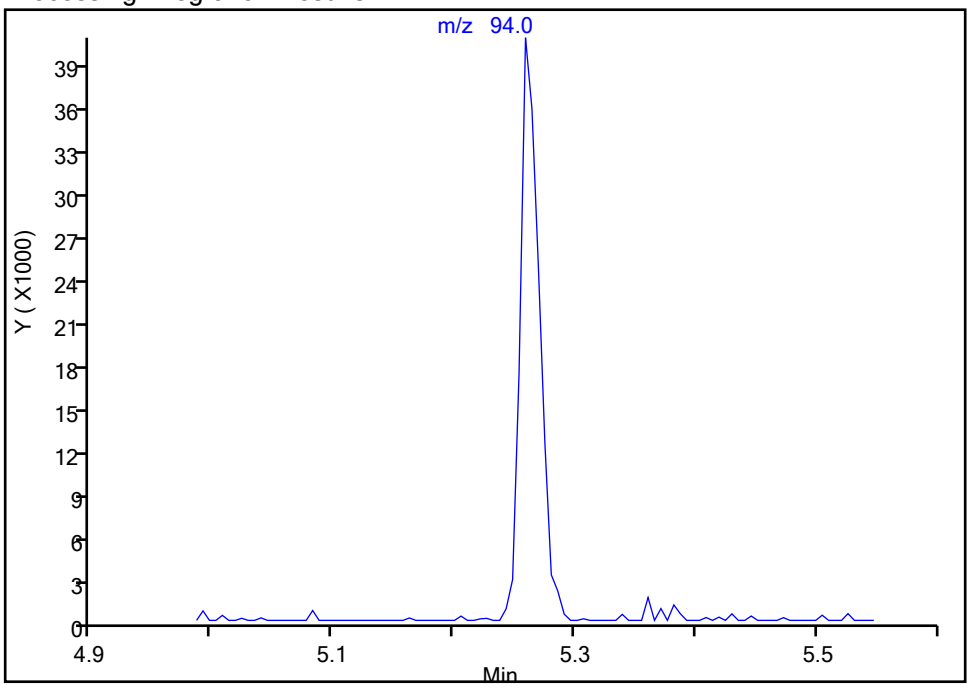
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Injection Date: 30-Jul-2025 10:45:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 5
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

28 Phenol, CAS: 108-95-2

Signal: 1

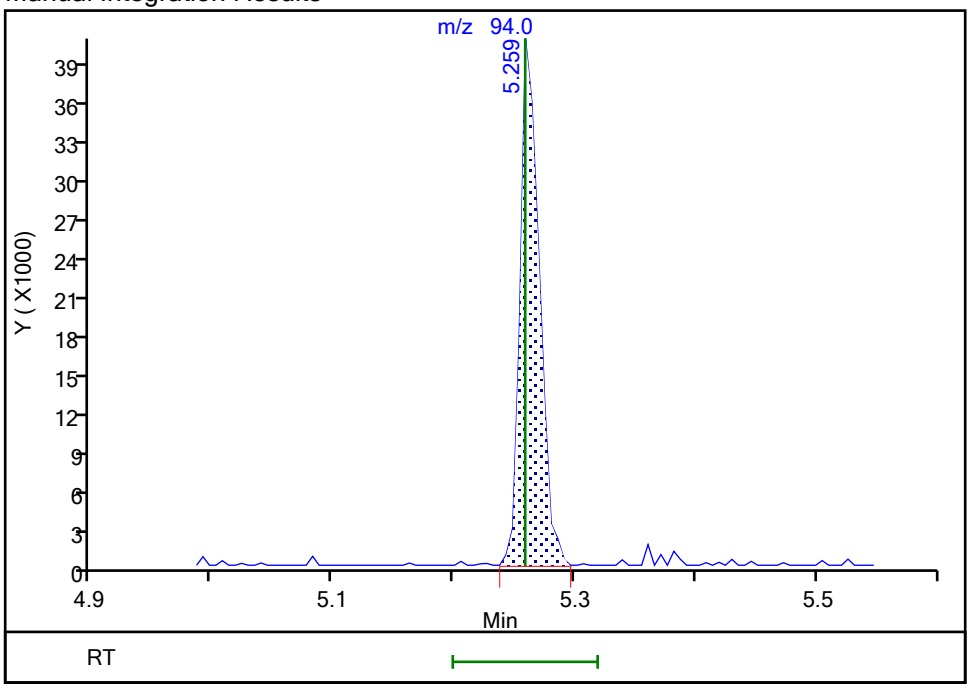
Not Detected
Expected RT: 5.26

Processing Integration Results



Manual Integration Results

RT: 5.26
Area: 45034
Amount: 5.029161
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:16 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

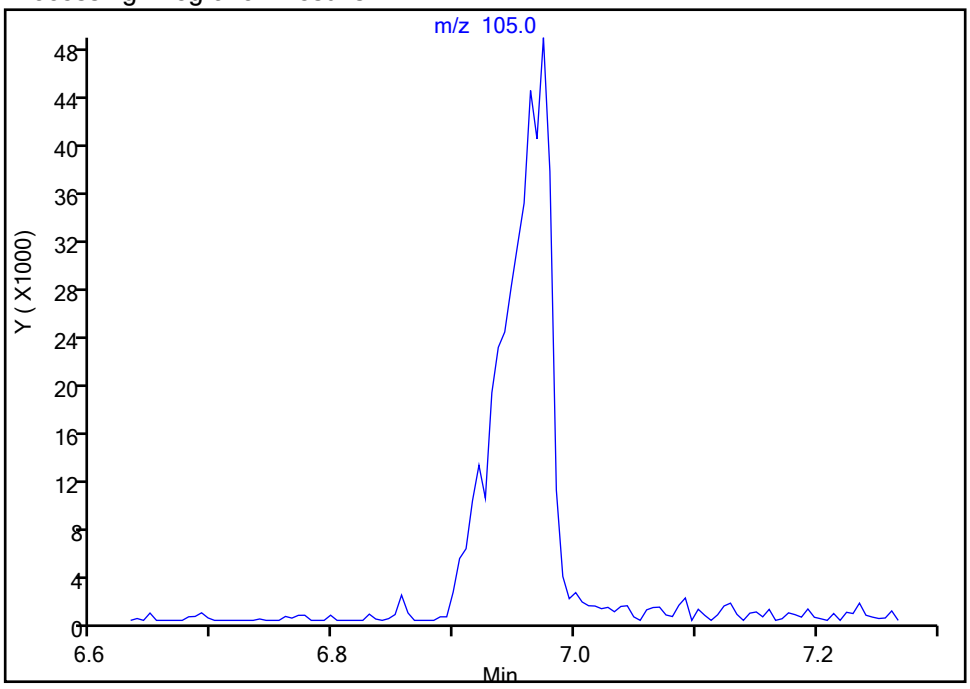
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d
Injection Date: 30-Jul-2025 10:45:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 5
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

64 Benzoic acid, CAS: 65-85-0

Signal: 1

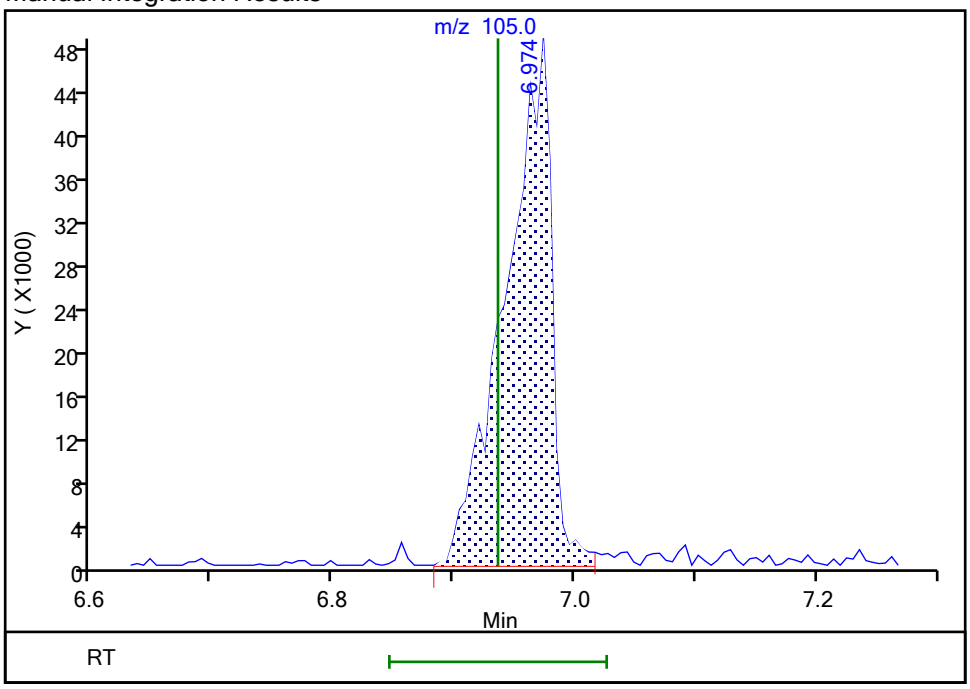
Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 127778
Amount: 28.792244
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

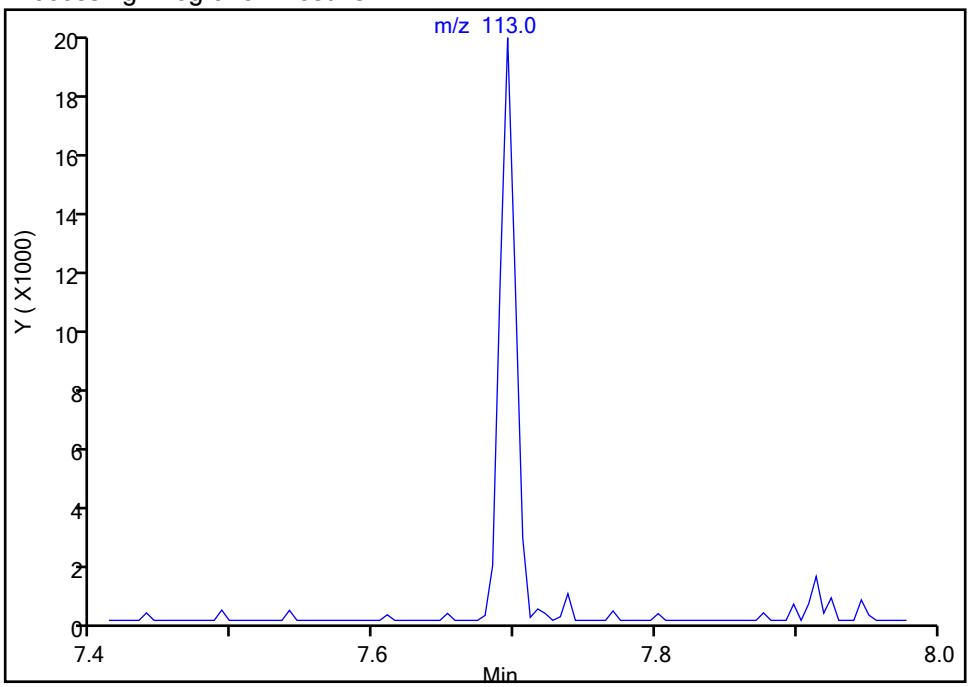
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364738.d
Injection Date: 30-Jul-2025 10:45:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 5
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

78 Caprolactam, CAS: 105-60-2

Signal: 1

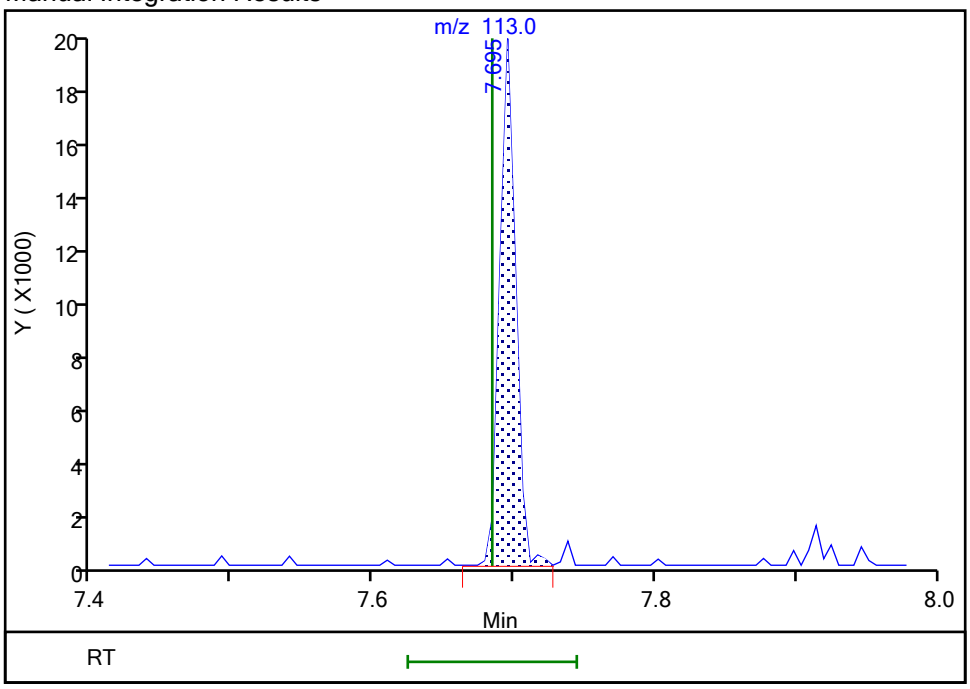
Not Detected
Expected RT: 7.68

Processing Integration Results



Manual Integration Results

RT: 7.70
Area: 15481
Amount: 5.862332
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364739.d
Lims ID: IC - List 1 - 10
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 30-Jul-2025 11:09:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-006
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:29:35 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:04:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.692	5.686	0.006	94	177227	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.225	0.005	98	611931	40.0	40.0	
* 3 Acenaphthene-d10	164	9.287	9.281	0.006	95	359411	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	724871	40.0	40.0	
* 5 Chrysene-d12	240	13.283	13.283	0.000	99	762578	40.0	40.0	
* 6 Perylene-d12	264	14.442	14.442	0.000	98	863047	40.0	40.0	
$ 7 2-Fluorophenol	112	3.966	3.966	0.000	92	56774	10.0	9.07	
$ 8 Phenol-d5	99	5.248	5.237	0.011	92	83173	10.0	9.71	
$ 9 Nitrobenzene-d5	82	6.370	6.365	0.005	89	88201	10.0	9.55	
$ 10 2-Fluorobiphenyl	172	8.512	8.512	0.000	98	133400	10.0	9.82	
$ 11 2,4,6-Tribromophenol	330	10.179	10.174	0.005	90	25099	10.0	9.57	
$ 12 p-Terphenyl-d14	244	12.391	12.385	0.006	96	188695	10.0	9.48	
15 1,4-Dioxane	88	1.717	1.690	0.027	87	31525	10.0	9.93	a
16 N-Nitrosodimethylamine	74	2.006	1.989	0.017	86	50565	10.0	10.3	
17 Pyridine	52	2.064	2.037	0.027	37	92099	20.0	20.0	a
27 Benzaldehyde	77	5.131	5.125	0.006	89	103238	10.0	10.6	
28 Phenol	94	5.264	5.259	0.005	82	97644	10.0	9.92	
29 Aniline	93	5.275	5.264	0.011	91	116145	10.0	10.2	
31 Bis(2-chloroethyl)ether	93	5.371	5.366	0.005	97	73020	10.0	10.5	
32 2-Chlorophenol	128	5.425	5.419	0.006	87	55610	10.0	9.82	
35 n-Decane	57	5.531	5.526	0.005	77	56886	10.0	9.28	
36 1,3-Dichlorobenzene	146	5.622	5.611	0.011	86	64712	10.0	10.1	
37 1,4-Dichlorobenzene	146	5.713	5.708	0.005	86	62600	10.0	9.86	
38 Benzyl alcohol	108	5.873	5.862	0.011	84	44504	10.0	9.83	
39 1,2-Dichlorobenzene	146	5.900	5.894	0.006	83	56007	10.0	9.32	
229 Indene	115	6.012	6.001	0.011	89	727346	60.0	60.4	
40 2-Methylphenol	108	6.023	6.017	0.006	93	65846	10.0	10.1	
42 2,2'-oxybis[1-chloropropane]	45	6.055	6.049	0.006	72	49797	10.0	9.48	
45 Acetophenone	105	6.189	6.183	0.006	90	109820	10.0	10.1	
47 N-Nitrosodi-n-propylamine	70	6.205	6.199	0.006	83	57207	10.0	9.33	
46 4-Methylphenol	108	6.221	6.210	0.011	92	65505	10.0	9.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.317	6.311	0.006	90	33840	10.0	10.1	
52 Nitrobenzene	77	6.392	6.386	0.006	85	89925	10.0	9.91	
56 Isophorone	82	6.685	6.680	0.005	98	153396	10.0	9.39	
58 2-Nitrophenol	139	6.782	6.781	0.001	82	24450	10.0	8.77	
59 2,4-Dimethylphenol	107	6.856	6.851	0.005	96	82226	10.0	9.85	
64 Benzoic acid	105	7.011	6.936	0.075	86	300713	60.0	55.2	a
62 Bis(2-chloroethoxy)methane	93	6.969	6.963	0.005	97	81669	10.0	9.89	
65 2,4-Dichlorophenol	162	7.070	7.064	0.006	90	45777	10.0	9.56	
67 1,2,4-Trichlorobenzene	180	7.172	7.166	0.006	89	52615	10.0	9.26	
69 Naphthalene	128	7.252	7.246	0.006	98	165476	10.0	10.1	
71 4-Chloroaniline	127	7.332	7.326	0.006	86	71009	10.0	10.5	
70 2,6-Dichlorophenol	162	7.337	7.332	0.005	90	49999	10.0	10.4	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	91	46715	10.0	9.71	
78 Caprolactam	113	7.716	7.684	0.032	80	27353	10.0	9.40	a
79 4-Chloro-3-methylphenol	107	7.919	7.914	0.005	88	74098	10.0	10.2	
82 2-Methylnaphthalene	142	8.074	8.069	0.005	89	99196	10.0	9.71	
83 1-Methylnaphthalene	142	8.187	8.186	0.001	91	105818	10.0	10.1	
84 Hexachlorocyclopentadiene	237	8.277	8.272	0.005	86	56710	10.0	10.1	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.272	0.005	93	70252	10.0	10.5	
86 2,4,6-Trichlorophenol	196	8.411	8.405	0.006	91	40985	10.0	10.5	
87 2,4,5-Trichlorophenol	196	8.448	8.443	0.005	90	42347	10.0	9.26	
90 1,1'-Biphenyl	154	8.625	8.624	0.001	97	130488	10.0	9.27	
91 2-Chloronaphthalene	162	8.635	8.630	0.005	98	108812	10.0	10.0	
93 2-Nitroaniline	65	8.758	8.753	0.005	76	47368	10.0	10.3	
96 Dimethyl phthalate	163	8.993	8.988	0.005	95	134360	10.0	9.76	
97 1,3-Dinitrobenzene	168	9.004	8.998	0.006	73	16070	10.0	8.94	
99 2,6-Dinitrotoluene	165	9.047	9.041	0.006	78	23825	10.0	9.10	
100 Acenaphthylene	152	9.116	9.111	0.005	98	186084	10.0	10.0	
101 3-Nitroaniline	138	9.239	9.233	0.006	87	27854	10.0	10.1	
102 Acenaphthene	153	9.319	9.319	0.000	94	111060	10.0	9.50	
103 2,4-Dinitrophenol	184	9.356	9.351	0.005	80	28320	20.0	18.1	
104 4-Nitrophenol	109	9.453	9.442	0.011	87	60829	20.0	19.5	
106 2,4-Dinitrotoluene	165	9.511	9.511	0.000	79	33141	10.0	9.00	
107 Dibenzofuran	168	9.522	9.517	0.005	93	166813	10.0	9.77	
110 2,3,4,6-Tetrachlorophenol	232	9.677	9.666	0.011	78	34527	10.0	10.1	
112 Diethyl phthalate	149	9.816	9.816	0.000	95	156890	10.0	10.5	
138 Hexadecane	57	9.864	9.864	0.000	94	80265	10.0	10.2	
115 Fluorene	166	9.912	9.912	0.000	96	133492	10.0	9.83	
116 4-Chlorophenyl phenyl ether	204	9.928	9.923	0.005	95	73605	10.0	10.1	
118 4-Nitroaniline	138	9.939	9.928	0.011	74	31698	10.0	10.8	
119 4,6-Dinitro-2-methylphenol	198	9.976	9.976	0.000	80	36147	20.0	17.7	
121 Diphenylamine	169	10.056	10.051	0.005	94	95108	8.55	8.32	
120 N-Nitrosodiphenylamine	169	10.056	10.051	0.005	94	95108	10.0	9.73	
123 1,2-Diphenylhydrazine	77	10.099	10.099	0.000	94	208864	10.0	10.5	
122 Azobenzene	77	10.099	10.099	0.000	98	208864	10.0	10.5	
130 4-Bromophenyl phenyl ether	248	10.457	10.457	0.000	74	42731	10.0	9.30	
131 Hexachlorobenzene	284	10.516	10.516	0.000	93	55756	10.0	9.90	
133 Atrazine	200	10.639	10.633	0.006	90	62797	10.0	9.95	
134 Pentachlorophenol	266	10.719	10.713	0.006	90	60949	20.0	19.0	
113 n-Octadecane	57	10.847	10.841	0.006	92	79462	10.0	9.60	
141 Phenanthrene	178	10.922	10.922	0.000	98	184519	10.0	9.48	
142 Anthracene	178	10.970	10.970	0.000	99	200465	10.0	9.68	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.135	11.135	0.000	99	183668	10.0	10.1	
145 Di-n-butyl phthalate	149	11.493	11.493	0.000	99	249000	10.0	10.1	
152 Fluoranthene	202	12.044	12.038	0.006	97	240954	10.0	9.88	
154 Benzidine	184	12.167	12.166	0.000	98	303136	20.0	21.5	
155 Pyrene	202	12.241	12.241	0.000	98	260174	10.0	10.3	
162 Butyl benzyl phthalate	149	12.813	12.807	0.006	94	116722	10.0	10.2	
166 3,3'-Dichlorobenzidine	252	13.251	13.251	0.000	74	185105	20.0	19.9	
167 Benzo[a]anthracene	228	13.272	13.272	0.000	97	238404	10.0	9.55	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.293	0.006	97	157028	10.0	9.43	
169 Chrysene	228	13.304	13.299	0.005	96	235658	10.0	10.1	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	99	257792	10.0	9.73	
174 Benzo[b]fluoranthene	252	14.143	14.138	0.005	95	261632	10.0	9.65	
175 Benzo[k]fluoranthene	252	14.164	14.159	0.005	96	239595	10.0	9.24	
177 Benzo[a]pyrene	252	14.394	14.394	0.000	75	223845	10.0	9.26	
180 Indeno[1,2,3-cd]pyrene	276	15.350	15.345	0.005	97	289158	10.0	9.26	
181 Dibenz(a,h)anthracene	278	15.361	15.350	0.011	88	239897	10.0	9.72	
182 Benzo[g,h,i]perylene	276	15.607	15.607	0.000	96	224957	10.0	9.64	
S 237 Total Cresols	1				0			19.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_01076 Amount Added: 1.00 Units: mL

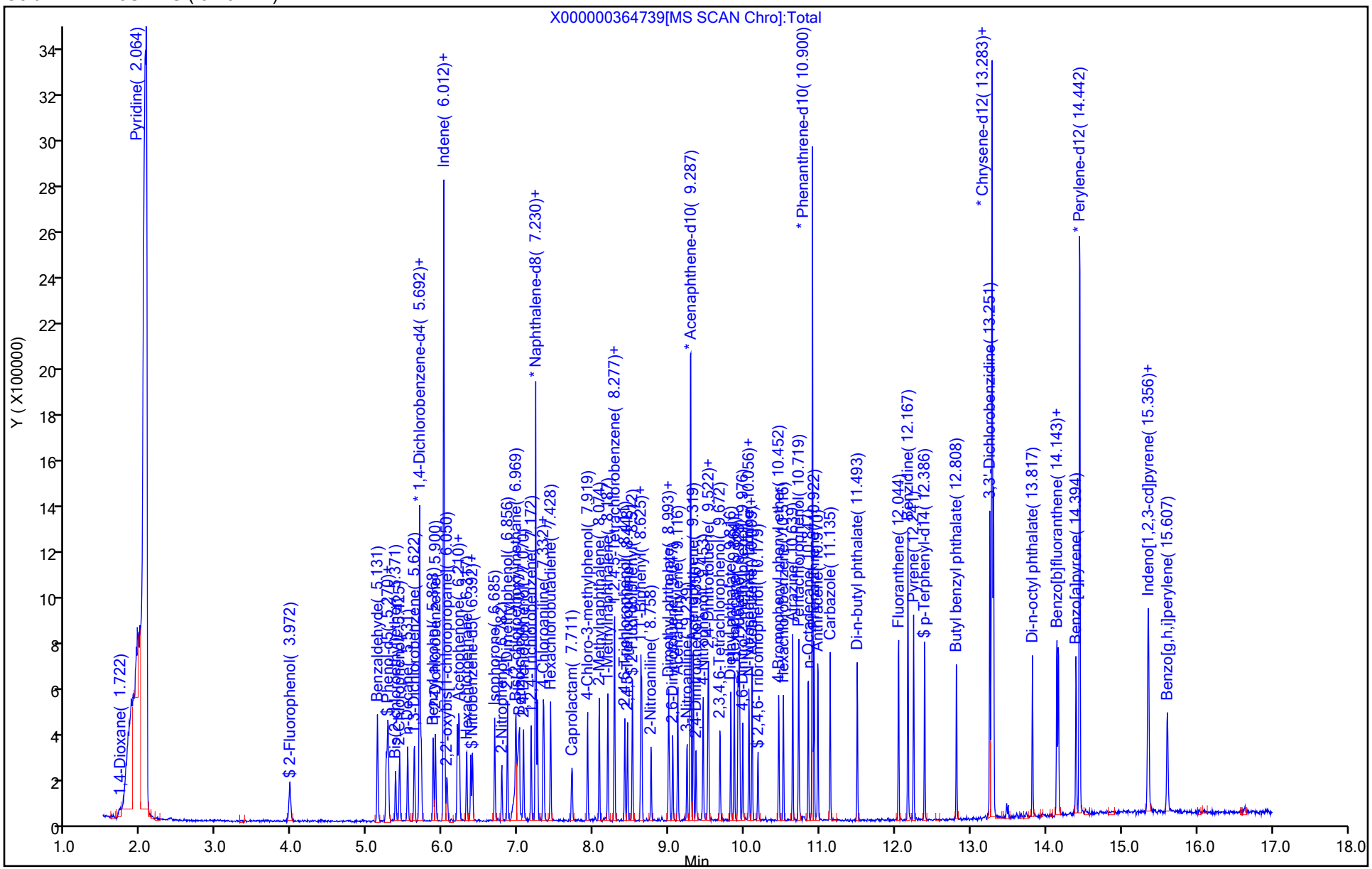
Report Date: 31-Jul-2025 11:29:35 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364739.d

Injection Date:	30-Jul-2025 11:09:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

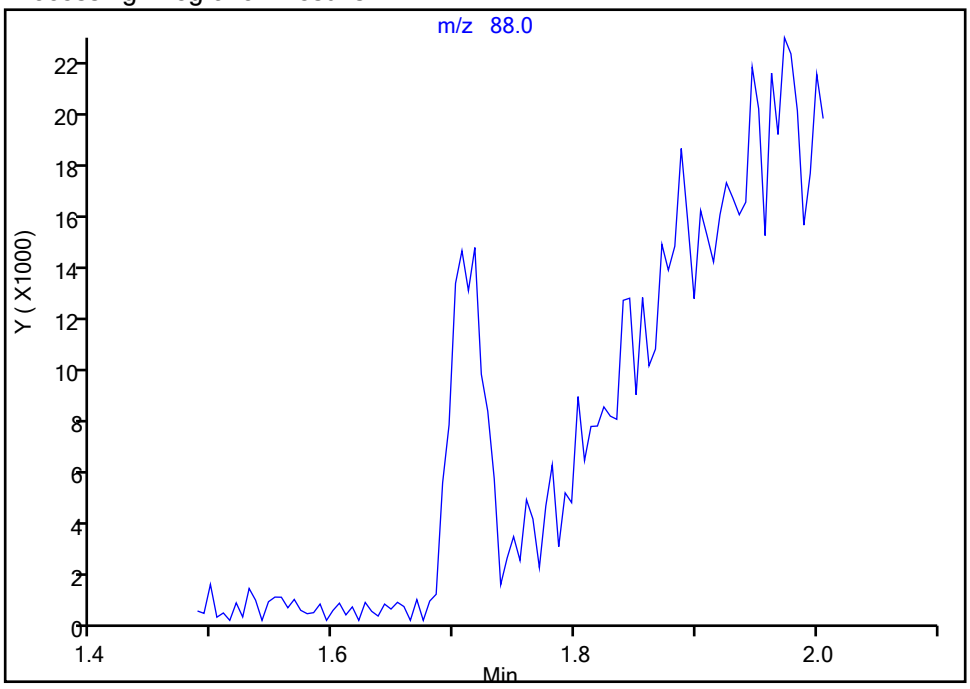
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364739.d
Injection Date: 30-Jul-2025 11:09:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 10
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

15 1,4-Dioxane, CAS: 123-91-1

Signal: 1

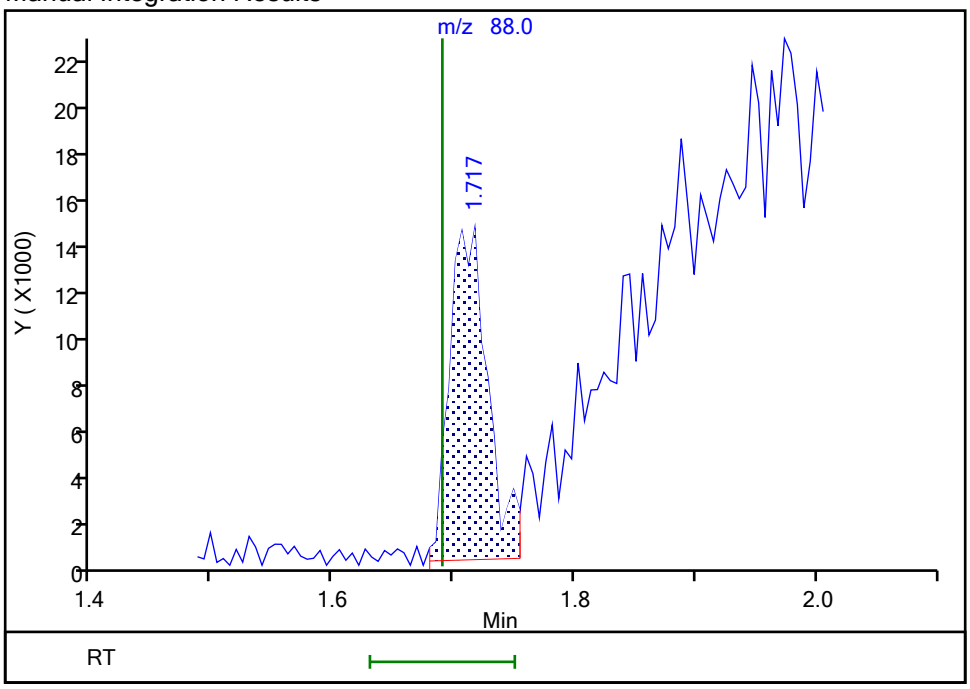
Not Detected
Expected RT: 1.69

Processing Integration Results



Manual Integration Results

RT: 1.72
Area: 31525
Amount: 9.932760
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:37 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

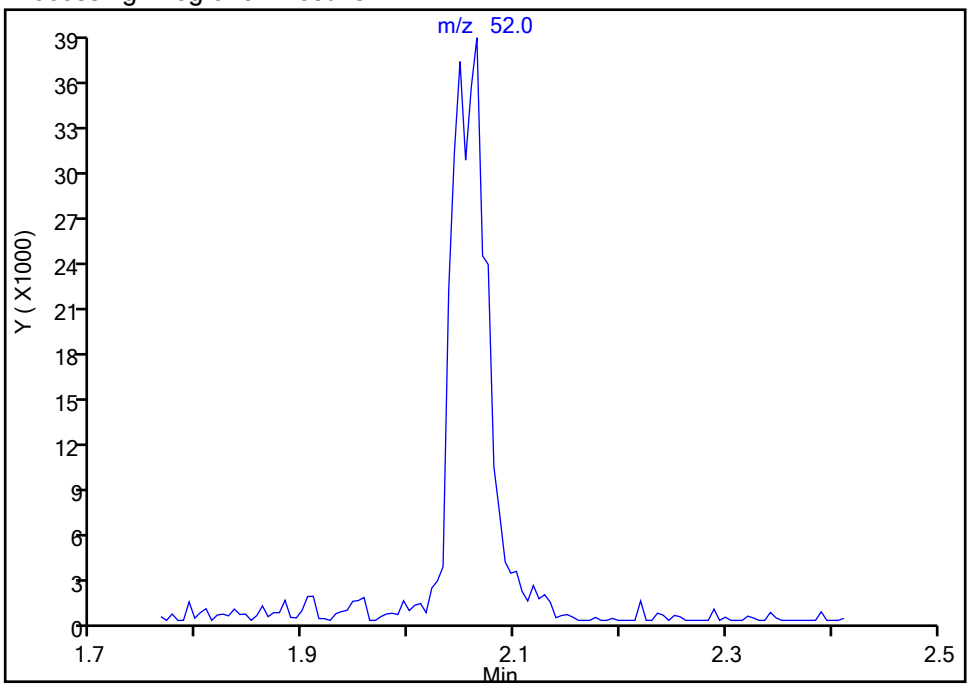
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364739.d
Injection Date: 30-Jul-2025 11:09:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 10
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

17 Pyridine, CAS: 110-86-1

Signal: 1

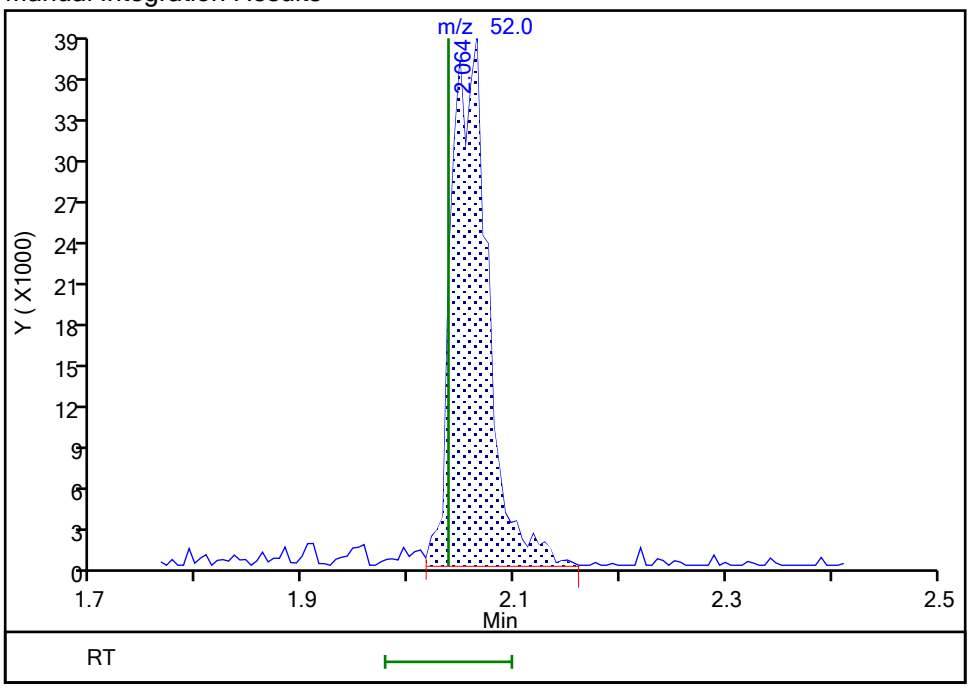
Not Detected
Expected RT: 2.04

Processing Integration Results



Manual Integration Results

RT: 2.06
Area: 92099
Amount: 20.045942
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

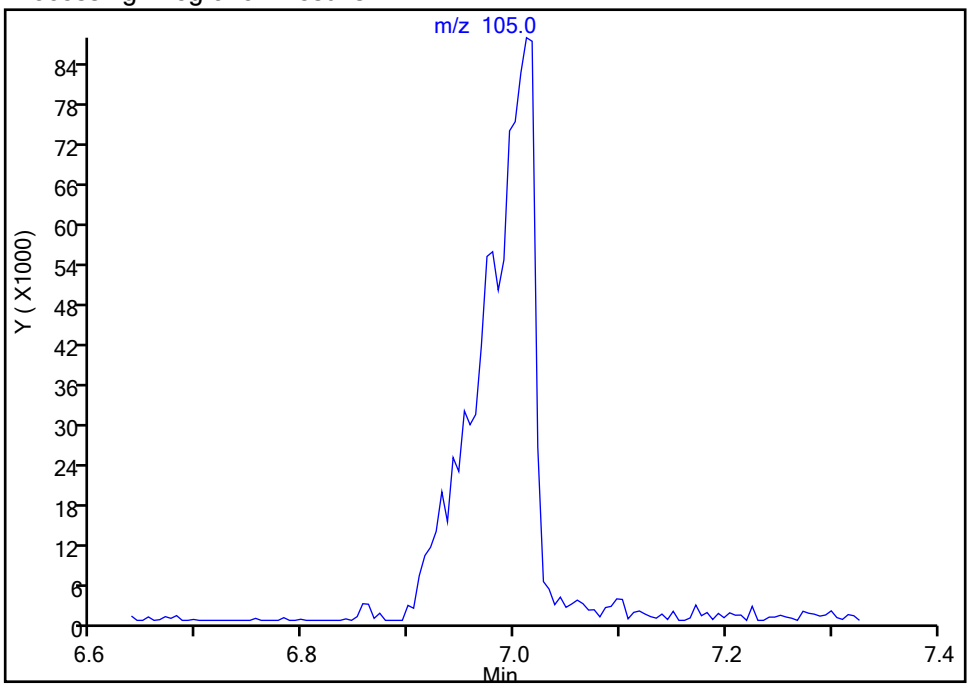
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Injection Date: 30-Jul-2025 11:09:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 10
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

64 Benzoic acid, CAS: 65-85-0

Signal: 1

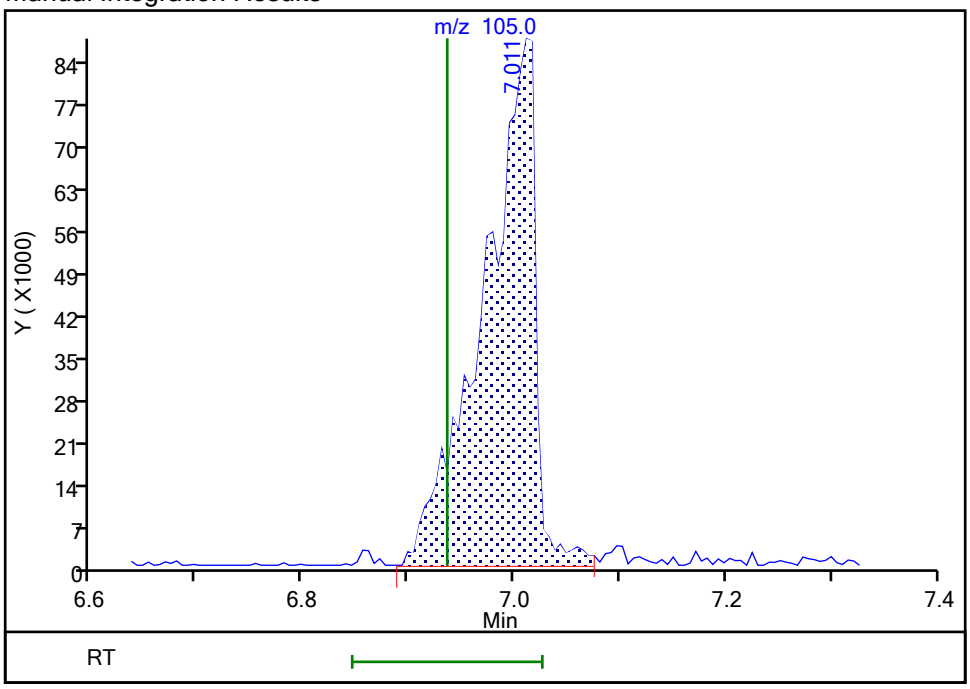
Not Detected
Expected RT: 6.94

Processing Integration Results



Manual Integration Results

RT: 7.01
Area: 300713
Amount: 55.183524
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Buffalo

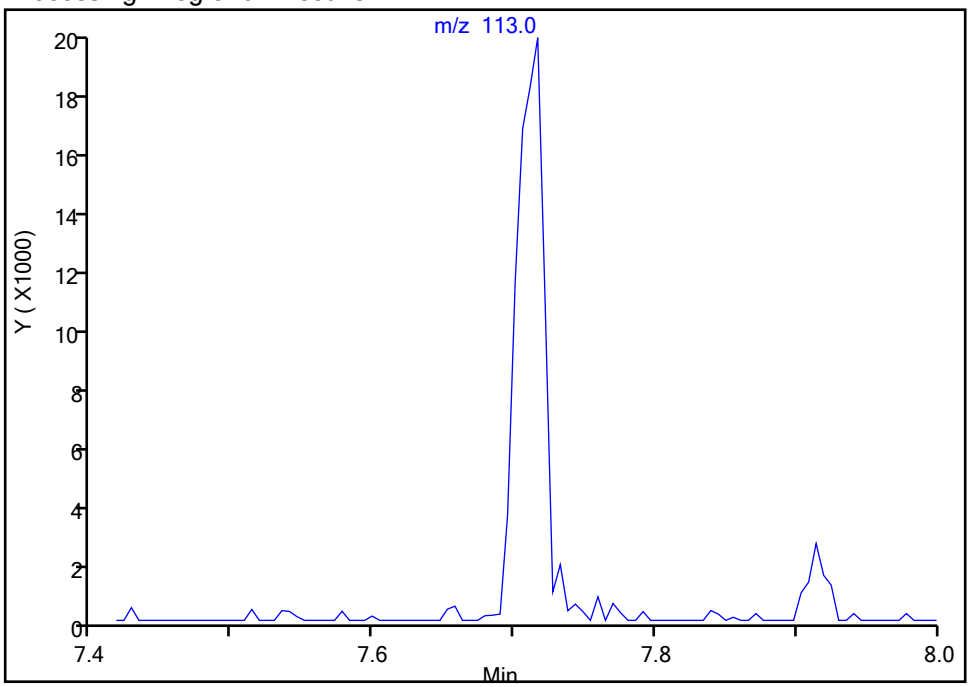
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364739.d
Injection Date: 30-Jul-2025 11:09:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 10
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

78 Caprolactam, CAS: 105-60-2

Signal: 1

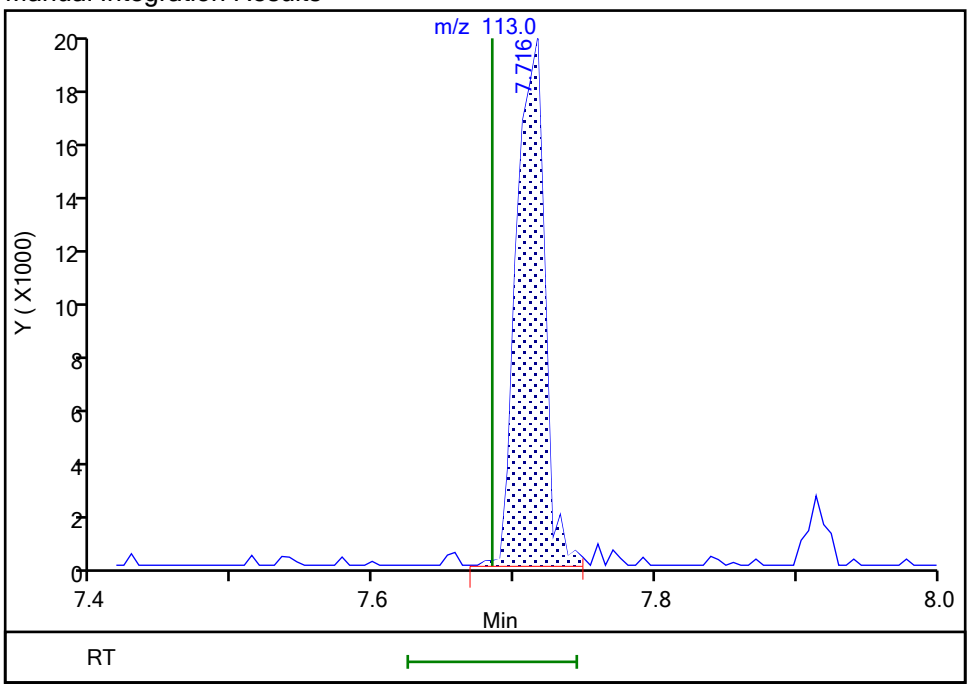
Not Detected
Expected RT: 7.68

Processing Integration Results



Manual Integration Results

RT: 7.72
Area: 27353
Amount: 9.400836
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:04:43 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364740.d
Lims ID: IC - List 1 - 20
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 30-Jul-2025 11:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-007
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:29:49 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:05:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.692	5.692	0.000	93	156894	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.230	0.000	98	514939	40.0	40.0	
* 3 Acenaphthene-d10	164	9.287	9.287	0.000	94	294178	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	570047	40.0	40.0	
* 5 Chrysene-d12	240	13.283	13.283	0.000	99	617920	40.0	40.0	
* 6 Perylene-d12	264	14.442	14.442	0.000	99	696686	40.0	40.0	
$ 7 2-Fluorophenol	112	3.961	3.961	0.000	91	106861	20.0	18.9	
$ 8 Phenol-d5	99	5.248	5.248	0.000	91	149973	20.0	19.8	
$ 9 Nitrobenzene-d5	82	6.370	6.370	0.000	87	157407	20.0	20.1	
$ 10 2-Fluorobiphenyl	172	8.512	8.512	0.000	99	214505	20.0	19.5	
$ 11 2,4,6-Tribromophenol	330	10.179	10.179	0.000	93	44465	20.0	20.6	
$ 12 p-Terphenyl-d14	244	12.386	12.386	0.000	96	314790	20.0	19.5	
15 1,4-Dioxane	88	1.696	1.696	0.000	92	49966	20.0	17.8	
16 N-Nitrosodimethylamine	74	1.990	1.990	0.000	91	79712	20.0	18.5	
17 Pyridine	52	2.038	2.038	0.000	93	152956	40.0	38.8	
27 Benzaldehyde	77	5.131	5.131	0.000	88	167322	20.0	19.9	
28 Phenol	94	5.264	5.264	0.000	85	162098	20.0	18.6	
29 Aniline	93	5.275	5.275	0.000	91	191570	20.0	18.9	
31 Bis(2-chloroethyl)ether	93	5.366	5.366	0.000	97	114633	20.0	18.6	
32 2-Chlorophenol	128	5.425	5.425	0.000	90	91221	20.0	18.2	
35 n-Decane	57	5.531	5.531	0.000	77	98212	20.0	18.4	
36 1,3-Dichlorobenzene	146	5.617	5.617	0.000	85	103693	20.0	18.5	
37 1,4-Dichlorobenzene	146	5.713	5.713	0.000	83	107218	20.0	18.8	
38 Benzyl alcohol	108	5.868	5.868	0.000	84	75351	20.0	18.3	
39 1,2-Dichlorobenzene	146	5.900	5.900	0.000	84	105994	20.0	19.9	
229 Indene	115	6.012	6.012	0.000	87	1228384	120.0	129.7	
40 2-Methylphenol	108	6.023	6.023	0.000	89	98410	20.0	16.9	
42 2,2'-oxybis[1-chloropropane]	45	6.050	6.050	0.000	74	88854	20.0	19.1	
45 Acetophenone	105	6.189	6.189	0.000	91	175797	20.0	18.2	
47 N-Nitrosodi-n-propylamine	70	6.205	6.205	0.000	76	105211	20.0	19.4	
46 4-Methylphenol	108	6.215	6.215	0.000	91	108750	20.0	18.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.311	6.311	0.000	89	55435	20.0	18.6	
52 Nitrobenzene	77	6.392	6.392	0.000	84	155727	20.0	20.4	
56 Isophorone	82	6.685	6.685	0.000	98	273829	20.0	19.9	
58 2-Nitrophenol	139	6.782	6.782	0.000	80	45119	20.0	18.8	
59 2,4-Dimethylphenol	107	6.856	6.856	0.000	93	134677	20.0	19.2	
64 Benzoic acid	105	7.038	7.038	0.000	87	529241	120.0	109.3	
62 Bis(2-chloroethoxy)methane	93	6.963	6.963	0.000	98	132767	20.0	19.1	
65 2,4-Dichlorophenol	162	7.070	7.070	0.000	86	75698	20.0	18.8	
67 1,2,4-Trichlorobenzene	180	7.172	7.172	0.000	89	90625	20.0	19.2	
69 Naphthalene	128	7.252	7.252	0.000	97	272968	20.0	19.8	
71 4-Chloroaniline	127	7.332	7.332	0.000	86	109313	20.0	19.2	
70 2,6-Dichlorophenol	162	7.337	7.337	0.000	82	78089	20.0	19.0	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	94	80926	20.0	20.0	
78 Caprolactam	113	7.727	7.727	0.000	83	47704	20.0	19.5	
79 4-Chloro-3-methylphenol	107	7.919	7.919	0.000	87	116164	20.0	19.1	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	86	164072	20.0	19.0	
83 1-Methylnaphthalene	142	8.187	8.187	0.000	89	175102	20.0	20.0	
84 Hexachlorocyclopentadiene	237	8.277	8.277	0.000	91	81467	20.0	17.7	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.277	0.000	94	109074	20.0	19.9	
86 2,4,6-Trichlorophenol	196	8.411	8.411	0.000	92	62663	20.0	19.3	
87 2,4,5-Trichlorophenol	196	8.448	8.448	0.000	85	71711	20.0	20.0	
90 1,1'-Biphenyl	154	8.625	8.625	0.000	95	245191	20.0	21.3	
91 2-Chloronaphthalene	162	8.635	8.635	0.000	97	173989	20.0	19.9	
93 2-Nitroaniline	65	8.758	8.758	0.000	70	75215	20.0	19.3	
96 Dimethyl phthalate	163	8.993	8.993	0.000	93	219152	20.0	19.4	
97 1,3-Dinitrobenzene	168	9.009	9.009	0.000	81	28168	20.0	17.4	
99 2,6-Dinitrotoluene	165	9.052	9.052	0.000	76	40036	20.0	18.4	
100 Acenaphthylene	152	9.116	9.116	0.000	98	296385	20.0	19.4	
101 3-Nitroaniline	138	9.239	9.239	0.000	86	47483	20.0	19.8	
102 Acenaphthene	153	9.324	9.324	0.000	93	184576	20.0	19.5	
103 2,4-Dinitrophenol	184	9.357	9.357	0.000	73	46379	40.0	33.3	
104 4-Nitrophenol	109	9.453	9.453	0.000	86	103412	40.0	38.2	
106 2,4-Dinitrotoluene	165	9.517	9.517	0.000	77	61522	20.0	19.6	
107 Dibenzofuran	168	9.522	9.522	0.000	93	277541	20.0	20.0	
110 2,3,4,6-Tetrachlorophenol	232	9.677	9.677	0.000	77	56323	20.0	19.3	
112 Diethyl phthalate	149	9.821	9.821	0.000	95	245220	20.0	20.1	
138 Hexadecane	57	9.864	9.864	0.000	95	131841	20.0	20.5	
115 Fluorene	166	9.917	9.917	0.000	96	218334	20.0	19.6	
116 4-Chlorophenyl phenyl ether	204	9.928	9.928	0.000	94	116120	20.0	19.5	
118 4-Nitroaniline	138	9.939	9.939	0.000	71	48783	20.0	20.4	
119 4,6-Dinitro-2-methylphenol	198	9.982	9.982	0.000	79	64373	40.0	37.1	
121 Diphenylamine	169	10.062	10.062	0.000	92	157366	17.1	17.2	
120 N-Nitrosodiphenylamine	169	10.062	10.062	0.000	96	157366	20.0	20.1	
123 1,2-Diphenylhydrazine	77	10.099	10.099	0.000	95	321150	20.0	20.4	
122 Azobenzene	77	10.099	10.099	0.000	98	321150	20.0	20.4	
130 4-Bromophenyl phenyl ether	248	10.457	10.457	0.000	74	71823	20.0	19.9	
131 Hexachlorobenzene	284	10.516	10.516	0.000	91	85354	20.0	19.3	
133 Atrazine	200	10.644	10.644	0.000	90	101995	20.0	20.3	
134 Pentachlorophenol	266	10.719	10.719	0.000	86	100135	40.0	37.7	
113 n-Octadecane	57	10.842	10.842	0.000	94	137367	20.0	20.7	
141 Phenanthrene	178	10.922	10.922	0.000	99	300633	20.0	19.7	
142 Anthracene	178	10.975	10.975	0.000	98	319817	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.135	11.135	0.000	98	284340	20.0	19.8	
145 Di-n-butyl phthalate	149	11.493	11.493	0.000	99	385783	20.0	19.9	
152 Fluoranthene	202	12.044	12.044	0.000	96	390602	20.0	20.3	
154 Benzidine	184	12.167	12.167	0.000	98	454625	40.0	39.8	
155 Pyrene	202	12.241	12.241	0.000	97	398081	20.0	19.5	
162 Butyl benzyl phthalate	149	12.813	12.813	0.000	93	176064	20.0	19.0	
166 3,3'-Dichlorobenzidine	252	13.256	13.256	0.000	76	295674	40.0	38.4	
167 Benzo[a]anthracene	228	13.272	13.272	0.000	98	384824	20.0	19.2	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.299	0.000	96	260181	20.0	19.3	
169 Chrysene	228	13.304	13.304	0.000	96	367738	20.0	19.4	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	100	420166	20.0	19.4	
174 Benzo[b]fluoranthene	252	14.143	14.143	0.000	95	426054	20.0	19.3	
175 Benzo[k]fluoranthene	252	14.165	14.165	0.000	96	404189	20.0	19.5	
177 Benzo[a]pyrene	252	14.394	14.394	0.000	75	386244	20.0	19.6	
180 Indeno[1,2,3-cd]pyrene	276	15.351	15.351	0.000	98	497371	20.0	19.7	
181 Dibenz(a,h)anthracene	278	15.361	15.361	0.000	86	388330	20.0	19.7	
182 Benzo[g,h,i]perylene	276	15.607	15.607	0.000	96	374508	20.0	19.9	
S 237 Total Cresols	1				0			35.1	

QC Flag Legend

Processing Flags

Reagents:

MB_LIST1_WRK_01077 Amount Added: 1.00 Units: mL

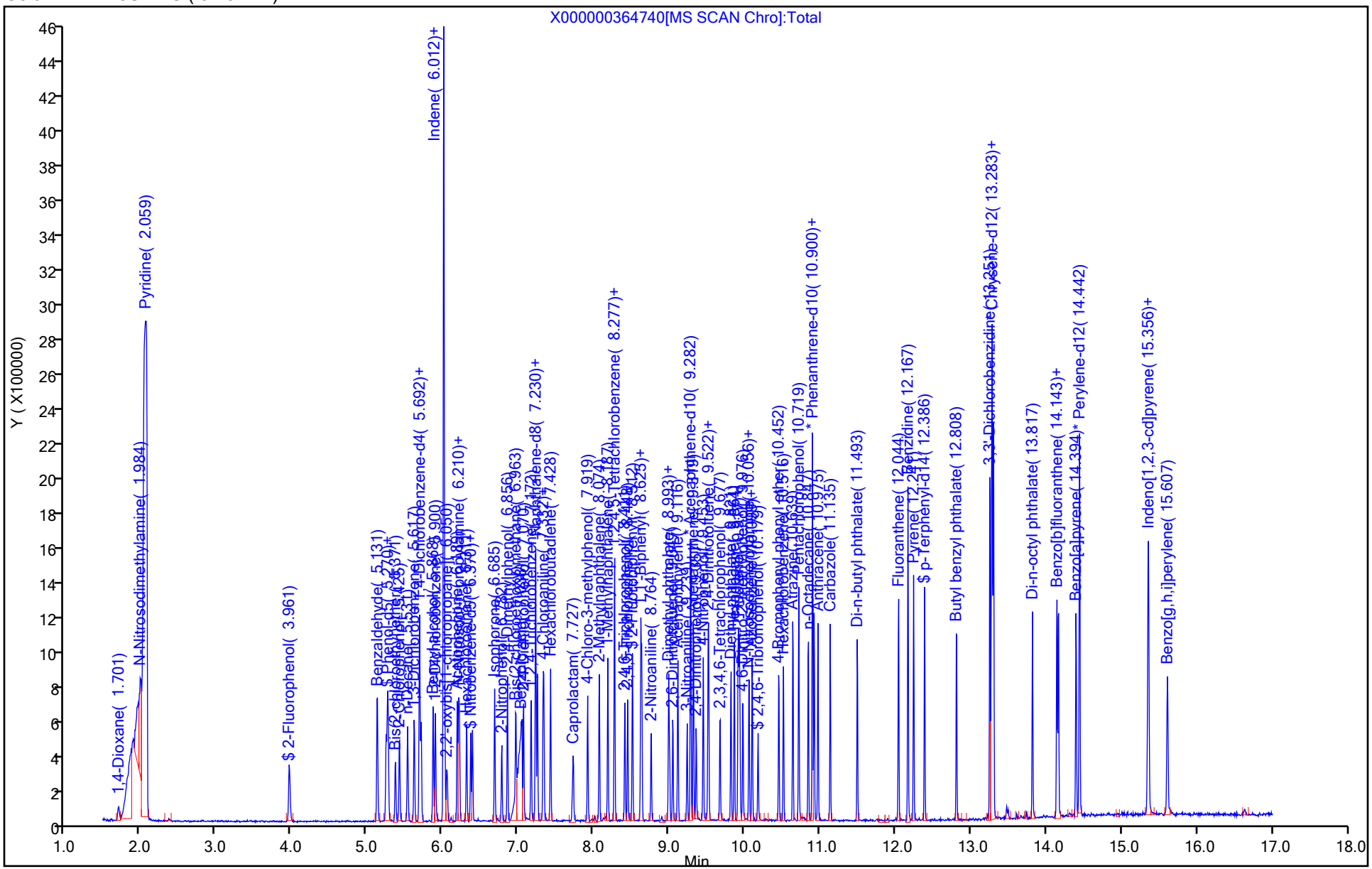
Report Date: 31-Jul-2025 11:29:50 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364740.d

Injection Date:	30-Jul-2025 11:34:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 20			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364741.d
Lims ID: ICIS - List 1 - 40
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 30-Jul-2025 11:59:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-008
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:30:01 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 15:56:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.692	5.692	0.000	95	165100	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.230	0.000	98	572551	40.0	40.0	
* 3 Acenaphthene-d10	164	9.287	9.287	0.000	93	340780	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	682524	40.0	40.0	
* 5 Chrysene-d12	240	13.288	13.288	0.000	96	707002	40.0	40.0	
* 6 Perylene-d12	264	14.448	14.448	0.000	99	792103	40.0	40.0	
$ 7 2-Fluorophenol	112	3.966	3.966	0.000	91	255281	40.0	42.4	
$ 8 Phenol-d5	99	5.254	5.254	0.000	90	332760	40.0	41.7	
$ 9 Nitrobenzene-d5	82	6.370	6.370	0.000	87	359498	40.0	41.0	
$ 10 2-Fluorobiphenyl	172	8.518	8.518	0.000	98	534301	40.0	42.3	
$ 11 2,4,6-Tribromophenol	330	10.184	10.184	0.000	94	102411	40.0	38.8	
$ 12 p-Terphenyl-d14	244	12.391	12.391	0.000	96	742282	40.0	40.2	
15 1,4-Dioxane	88	1.696	1.696	0.000	89	110293	40.0	37.3	
16 N-Nitrosodimethylamine	74	2.000	2.000	0.000	87	181165	40.0	40.2	
17 Pyridine	52	2.054	2.054	0.000	81	339226	80.0	83.2	
27 Benzaldehyde	77	5.131	5.131	0.000	89	378424	40.0	43.2	
28 Phenol	94	5.270	5.270	0.000	86	389638	40.0	42.5	
29 Aniline	93	5.275	5.275	0.000	90	442768	40.0	41.6	
31 Bis(2-chloroethyl)ether	93	5.371	5.371	0.000	97	255295	40.0	39.3	
32 2-Chlorophenol	128	5.430	5.430	0.000	93	224205	40.0	42.5	
35 n-Decane	57	5.531	5.531	0.000	76	235648	40.0	42.3	
36 1,3-Dichlorobenzene	146	5.622	5.622	0.000	86	242448	40.0	41.5	
37 1,4-Dichlorobenzene	146	5.713	5.713	0.000	83	241310	40.0	39.9	
38 Benzyl alcohol	108	5.873	5.873	0.000	86	179688	40.0	40.9	
39 1,2-Dichlorobenzene	146	5.900	5.900	0.000	85	247795	40.0	44.3	
229 Indene	115	6.018	6.018	0.000	87	2684139	240.0	236.8	
40 2-Methylphenol	108	6.028	6.028	0.000	92	248733	40.0	40.0	
42 2,2'-oxybis[1-chloropropane]	45	6.055	6.055	0.000	77	196672	40.0	40.2	
45 Acetophenone	105	6.194	6.194	0.000	88	417591	40.0	41.2	
47 N-Nitrosodi-n-propylamine	70	6.210	6.210	0.000	82	232054	40.0	40.6	
46 4-Methylphenol	108	6.221	6.221	0.000	93	256771	40.0	41.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.317	6.317	0.000	86	120750	40.0	38.5	
52 Nitrobenzene	77	6.397	6.397	0.000	86	356716	40.0	42.0	
56 Isophorone	82	6.691	6.691	0.000	98	627482	40.0	41.0	
58 2-Nitrophenol	139	6.781	6.781	0.000	73	109100	40.0	40.6	
59 2,4-Dimethylphenol	107	6.856	6.856	0.000	94	323488	40.0	41.4	
62 Bis(2-chloroethoxy)methane	93	6.968	6.968	0.000	98	313655	40.0	40.6	
64 Benzoic acid	105	7.118	7.118	0.000	88	1413802	240.0	254.9	
65 2,4-Dichlorophenol	162	7.070	7.070	0.000	92	200209	40.0	44.7	
67 1,2,4-Trichlorobenzene	180	7.171	7.171	0.000	89	214257	40.0	41.2	
69 Naphthalene	128	7.257	7.257	0.000	98	638061	40.0	41.5	
71 4-Chloroaniline	127	7.332	7.332	0.000	88	262833	40.0	41.4	
70 2,6-Dichlorophenol	162	7.342	7.342	0.000	86	185085	40.0	40.2	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	95	177428	40.0	39.4	
78 Caprolactam	113	7.770	7.770	0.000	83	111231	40.0	40.9	
79 4-Chloro-3-methylphenol	107	7.925	7.925	0.000	87	278002	40.0	41.1	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	86	390447	40.0	40.6	
83 1-Methylnaphthalene	142	8.186	8.186	0.000	88	392350	40.0	40.4	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.277	0.000	93	258661	40.0	40.7	
84 Hexachlorocyclopentadiene	237	8.277	8.277	0.000	90	223517	40.0	42.0	
86 2,4,6-Trichlorophenol	196	8.416	8.416	0.000	91	156698	40.0	41.4	
87 2,4,5-Trichlorophenol	196	8.454	8.454	0.000	85	168021	40.0	41.2	
90 1,1'-Biphenyl	154	8.625	8.625	0.000	98	539567	40.0	40.4	
91 2-Chloronaphthalene	162	8.641	8.641	0.000	98	417784	40.0	41.6	
93 2-Nitroaniline	65	8.763	8.763	0.000	69	195357	40.0	42.4	
96 Dimethyl phthalate	163	8.999	8.999	0.000	94	514251	40.0	39.4	
97 1,3-Dinitrobenzene	168	9.009	9.009	0.000	83	71379	40.0	38.4	
99 2,6-Dinitrotoluene	165	9.052	9.052	0.000	77	104754	40.0	41.1	
100 Acenaphthylene	152	9.116	9.116	0.000	98	701999	40.0	39.8	
101 3-Nitroaniline	138	9.244	9.244	0.000	87	115748	40.0	40.5	
102 Acenaphthene	153	9.324	9.324	0.000	93	445101	40.0	40.7	
103 2,4-Dinitrophenol	184	9.362	9.362	0.000	79	129389	80.0	76.0	
104 4-Nitrophenol	109	9.463	9.463	0.000	86	275477	80.0	85.0	
106 2,4-Dinitrotoluene	165	9.517	9.517	0.000	80	152700	40.0	41.2	
107 Dibenzofuran	168	9.527	9.527	0.000	94	659969	40.0	41.1	
110 2,3,4,6-Tetrachlorophenol	232	9.677	9.677	0.000	78	141356	40.0	40.9	
112 Diethyl phthalate	149	9.827	9.827	0.000	95	567494	40.0	40.1	
138 Hexadecane	57	9.864	9.864	0.000	96	308098	40.0	41.4	
115 Fluorene	166	9.917	9.917	0.000	97	535911	40.0	41.6	
116 4-Chlorophenyl phenyl ether	204	9.928	9.928	0.000	97	275350	40.0	40.0	
118 4-Nitroaniline	138	9.949	9.949	0.000	71	119180	40.0	43.0	
119 4,6-Dinitro-2-methylphenol	198	9.987	9.987	0.000	72	176950	80.0	82.1	
121 Diphenylamine	169	10.062	10.062	0.000	92	389059	34.2	35.2	
120 N-Nitrosodiphenylamine	169	10.062	10.062	0.000	96	389059	40.0	41.2	
123 1,2-Diphenylhydrazine	77	10.104	10.104	0.000	94	780068	40.0	41.5	
122 Azobenzene	77	10.104	10.104	0.000	98	780068	40.0	41.5	
130 4-Bromophenyl phenyl ether	248	10.457	10.457	0.000	73	178847	40.0	41.3	
131 Hexachlorobenzene	284	10.516	10.516	0.000	92	211531	40.0	39.9	
133 Atrazine	200	10.644	10.644	0.000	91	243506	40.0	42.5	
134 Pentachlorophenol	266	10.724	10.724	0.000	88	265861	80.0	81.4	
113 n-Octadecane	57	10.847	10.847	0.000	95	326647	40.0	40.7	
141 Phenanthrene	178	10.927	10.927	0.000	98	761353	40.0	41.7	
142 Anthracene	178	10.975	10.975	0.000	98	783432	40.0	40.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.141	11.141	0.000	99	675490	40.0	39.3	
145 Di-n-butyl phthalate	149	11.499	11.499	0.000	99	942630	40.0	40.5	
152 Fluoranthene	202	12.044	12.044	0.000	98	933284	40.0	40.5	
154 Benzidine	184	12.172	12.172	0.000	98	1073536	80.0	82.2	
155 Pyrene	202	12.247	12.247	0.000	98	974085	40.0	41.6	
162 Butyl benzyl phthalate	149	12.813	12.813	0.000	92	449702	40.0	42.4	
166 3,3'-Dichlorobenzidine	252	13.256	13.256	0.000	75	745361	80.0	83.6	
167 Benzo[a]anthracene	228	13.278	13.278	0.000	97	966479	40.0	42.2	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.299	0.000	97	657997	40.0	42.6	
169 Chrysene	228	13.310	13.310	0.000	96	896164	40.0	41.4	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	100	1065433	40.0	42.7	
174 Benzo[b]fluoranthene	252	14.148	14.148	0.000	95	1081329	40.0	43.0	
175 Benzo[k]fluoranthene	252	14.170	14.170	0.000	97	1004029	40.0	42.8	
177 Benzo[a]pyrene	252	14.400	14.400	0.000	76	934887	40.0	41.6	
180 Indeno[1,2,3-cd]pyrene	276	15.361	15.361	0.000	96	1211001	40.0	42.1	
181 Dibenz(a,h)anthracene	278	15.366	15.366	0.000	91	988239	40.0	44.3	
182 Benzo[g,h,i]perylene	276	15.618	15.618	0.000	96	930111	40.0	43.6	

QC Flag Legend

Processing Flags

Reagents:

MB_LIST1_WRK_01078 Amount Added: 1.00 Units: mL

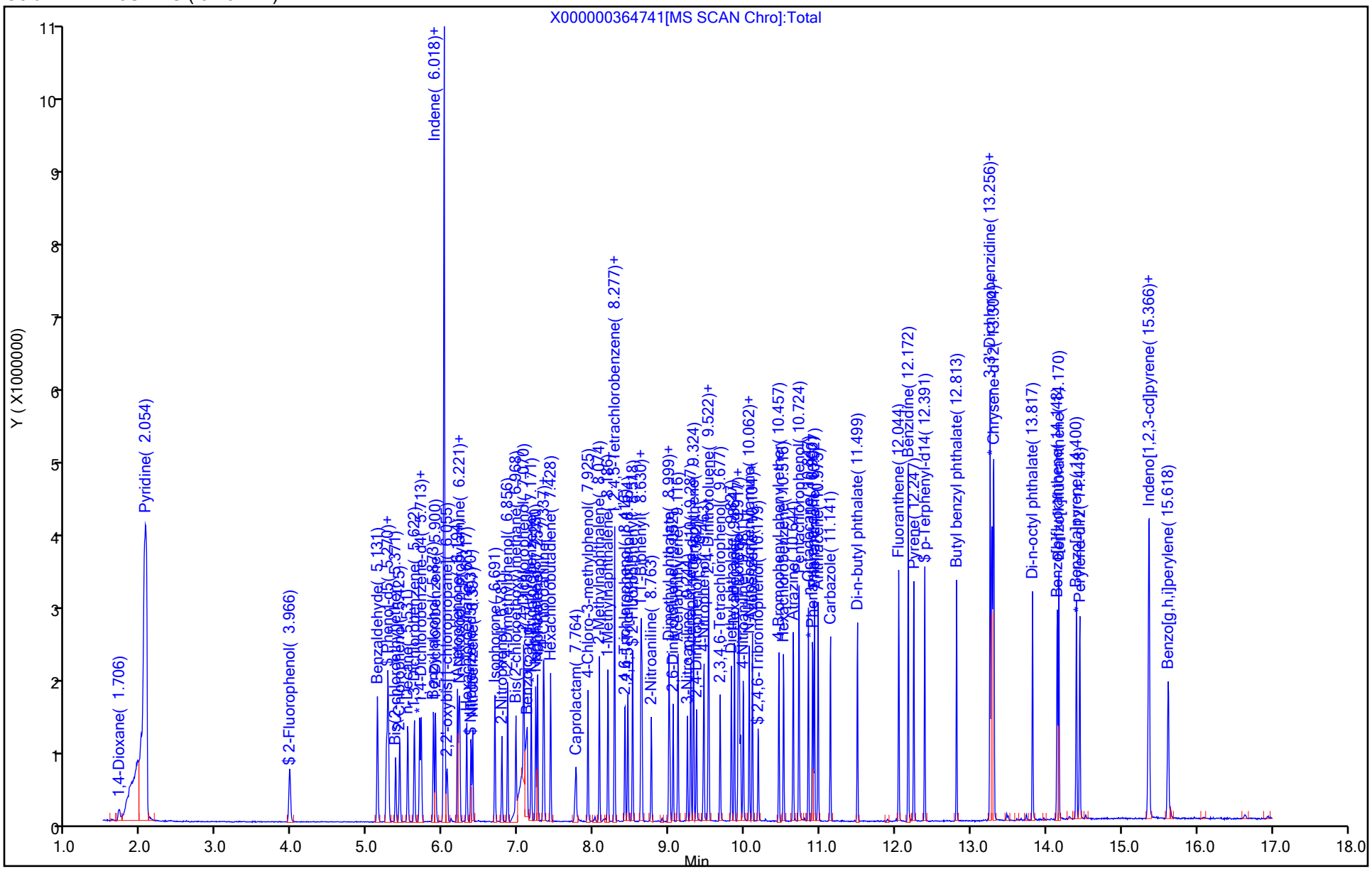
Report Date: 31-Jul-2025 11:30:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364741.d

Injection Date:	30-Jul-2025 11:59:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	ICIS - List 1 - 40			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Resolution Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364741.d
Injection Date: 30-Jul-2025 11:59:30 Instrument ID: HP5973X
Lims ID: ICIS - List 1 - 40
Client ID:
Operator ID: JM ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

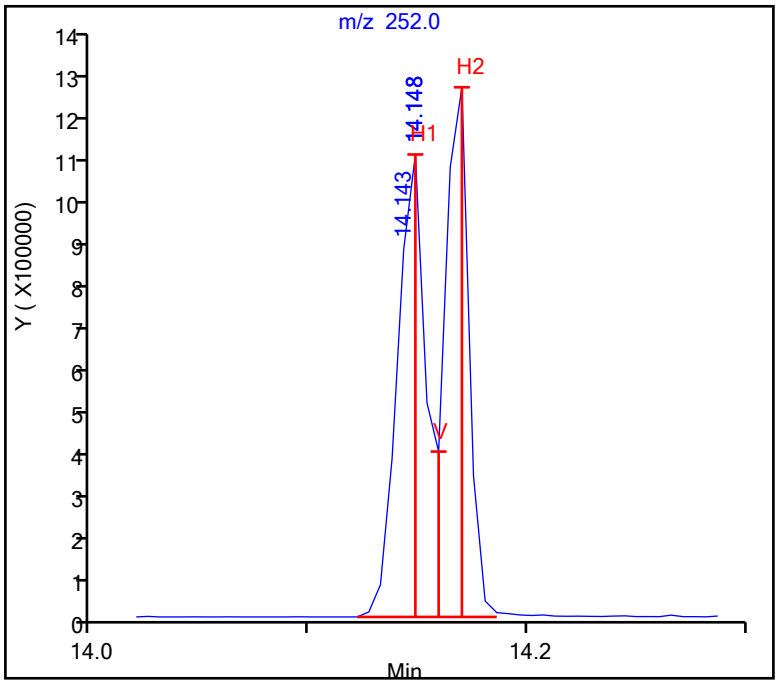
174 Benzo[b]fluoranthene - 175 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 396736
H1(174 Benzo[b]fluoranthen) = 1109504
H2(175 Benzo[k]fluoranthen) = 1270784

Version D: %R = 33.3 <= 50.0
Passed



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364742.d
Lims ID: IC - List 1 - 60
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 30-Jul-2025 12:23:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-009
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:30:13 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:05:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.692	5.692	0.000	94	162446	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.230	0.000	98	607970	40.0	40.0	
* 3 Acenaphthene-d10	164	9.287	9.287	0.000	93	369628	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	714948	40.0	40.0	
* 5 Chrysene-d12	240	13.288	13.288	0.000	98	751038	40.0	40.0	
* 6 Perylene-d12	264	14.447	14.448	-0.001	99	862192	40.0	40.0	
$ 7 2-Fluorophenol	112	3.971	3.966	0.005	92	370123	60.0	62.4	
$ 8 Phenol-d5	99	5.253	5.254	-0.001	91	492986	60.0	62.8	
$ 9 Nitrobenzene-d5	82	6.375	6.370	0.005	88	578982	60.0	62.1	
$ 10 2-Fluorobiphenyl	172	8.518	8.518	0.000	98	823290	60.0	60.2	
$ 11 2,4,6-Tribromophenol	330	10.184	10.184	0.000	92	163667	60.0	58.8	
$ 12 p-Terphenyl-d14	244	12.391	12.391	0.000	96	1157750	60.0	59.1	
15 1,4-Dioxane	88	1.722	1.696	0.026	90	170406	60.0	58.6	
16 N-Nitrosodimethylamine	74	2.011	2.000	0.011	90	290112	60.0	65.6	
17 Pyridine	52	2.064	2.054	0.010	63	497810	120.0	124.7	
27 Benzaldehyde	77	5.131	5.131	0.000	90	514100	60.0	59.8	
28 Phenol	94	5.275	5.270	0.005	93	569179	60.0	63.1	
29 Aniline	93	5.280	5.275	0.005	98	680042	60.0	64.9	
31 Bis(2-chloroethyl)ether	93	5.376	5.371	0.005	97	396379	60.0	62.1	
32 2-Chlorophenol	128	5.430	5.430	0.000	91	333644	60.0	64.3	
35 n-Decane	57	5.537	5.531	0.006	75	351808	60.0	64.3	
36 1,3-Dichlorobenzene	146	5.622	5.622	0.000	86	377342	60.0	65.9	
37 1,4-Dichlorobenzene	146	5.713	5.713	0.000	83	373432	60.0	62.5	
38 Benzyl alcohol	108	5.878	5.873	0.005	86	281866	60.0	64.9	
39 1,2-Dichlorobenzene	146	5.900	5.900	0.000	87	359268	60.0	65.2	
229 Indene	115	6.017	6.018	-0.001	88	3965199	360.0	333.9	
40 2-Methylphenol	108	6.028	6.028	0.000	93	392143	60.0	64.0	
42 2,2'-oxybis[1-chloropropane]	45	6.055	6.055	0.000	74	309369	60.0	64.2	
45 Acetophenone	105	6.194	6.194	0.000	90	637627	60.0	63.9	
47 N-Nitrosodi-n-propylamine	70	6.210	6.210	0.000	80	373088	60.0	66.4	
46 4-Methylphenol	108	6.226	6.221	0.005	90	398056	60.0	64.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.317	6.317	0.000	86	198113	60.0	64.2	
52 Nitrobenzene	77	6.397	6.397	0.000	86	552869	60.0	61.3	
56 Isophorone	82	6.691	6.691	0.000	98	973499	60.0	60.0	
58 2-Nitrophenol	139	6.781	6.781	0.000	77	182599	60.0	63.7	
59 2,4-Dimethylphenol	107	6.861	6.856	0.005	94	495566	60.0	59.8	
62 Bis(2-chloroethoxy)methane	93	6.968	6.968	0.000	98	499170	60.0	60.8	
65 2,4-Dichlorophenol	162	7.070	7.070	0.000	92	301199	60.0	63.3	
64 Benzoic acid	105	7.155	7.118	0.037	88	2237501	360.0	377.2	
67 1,2,4-Trichlorobenzene	180	7.171	7.171	0.000	90	334619	60.0	60.7	
69 Naphthalene	128	7.257	7.257	0.000	98	966491	60.0	59.2	
71 4-Chloroaniline	127	7.332	7.332	0.000	89	395841	60.0	58.8	
70 2,6-Dichlorophenol	162	7.342	7.342	0.000	90	285018	60.0	58.1	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	96	287754	60.0	60.2	
78 Caprolactam	113	7.791	7.770	0.021	83	177243	60.0	61.3	
79 4-Chloro-3-methylphenol	107	7.925	7.925	0.000	88	419957	60.0	58.4	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	86	591635	60.0	58.0	
83 1-Methylnaphthalene	142	8.186	8.186	0.000	88	611396	60.0	59.3	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.277	0.000	93	399619	60.0	57.9	
84 Hexachlorocyclopentadiene	237	8.277	8.277	0.000	93	343691	60.0	59.5	
86 2,4,6-Trichlorophenol	196	8.416	8.416	0.000	93	257424	60.0	62.5	
87 2,4,5-Trichlorophenol	196	8.453	8.454	-0.001	86	265701	60.0	60.4	
90 1,1'-Biphenyl	154	8.624	8.625	-0.001	98	858981	60.0	59.3	
91 2-Chloronaphthalene	162	8.640	8.641	-0.001	98	649795	60.0	59.8	
93 2-Nitroaniline	65	8.763	8.763	0.000	69	294750	60.0	58.7	
96 Dimethyl phthalate	163	8.998	8.999	0.000	95	824986	60.0	58.2	
97 1,3-Dinitrobenzene	168	9.014	9.009	0.005	81	126536	60.0	63.3	
99 2,6-Dinitrotoluene	165	9.057	9.052	0.005	73	175351	60.0	63.3	
100 Acenaphthylene	152	9.116	9.116	0.000	97	1085985	60.0	56.7	
101 3-Nitroaniline	138	9.244	9.244	0.000	86	191058	60.0	61.1	
102 Acenaphthene	153	9.324	9.324	0.000	93	699243	60.0	59.0	
103 2,4-Dinitrophenol	184	9.367	9.362	0.005	79	234435	120.0	125.0	
104 4-Nitrophenol	109	9.468	9.463	0.005	87	433307	120.0	122.3	
106 2,4-Dinitrotoluene	165	9.522	9.517	0.005	79	246201	60.0	61.0	
107 Dibenzofuran	168	9.527	9.527	0.000	93	994494	60.0	57.2	
110 2,3,4,6-Tetrachlorophenol	232	9.677	9.677	0.000	78	225873	60.0	59.9	
112 Diethyl phthalate	149	9.826	9.827	-0.001	94	915160	60.0	59.6	
138 Hexadecane	57	9.864	9.864	0.000	96	476634	60.0	59.0	
115 Fluorene	166	9.917	9.917	0.000	96	835766	60.0	59.8	
116 4-Chlorophenyl phenyl ether	204	9.928	9.928	0.000	97	430796	60.0	57.7	
118 4-Nitroaniline	138	9.955	9.949	0.006	71	177842	60.0	59.1	
119 4,6-Dinitro-2-methylphenol	198	9.987	9.987	0.000	70	293629	120.0	128.6	
121 Diphenylamine	169	10.061	10.062	-0.001	89	594407	51.3	51.2	
120 N-Nitrosodiphenylamine	169	10.061	10.062	-0.001	92	594407	60.0	59.9	
123 1,2-Diphenylhydrazine	77	10.104	10.104	0.000	95	1168626	60.0	59.3	
122 Azobenzene	77	10.104	10.104	0.000	99	1168626	60.0	59.3	
130 4-Bromophenyl phenyl ether	248	10.457	10.457	0.000	72	268374	60.0	59.2	
131 Hexachlorobenzene	284	10.516	10.516	0.000	93	337868	60.0	60.9	
133 Atrazine	200	10.649	10.644	0.005	91	361860	60.0	58.4	
134 Pentachlorophenol	266	10.724	10.724	0.000	89	434472	120.0	126.0	
113 n-Octadecane	57	10.847	10.847	0.000	92	487099	60.0	57.8	
141 Phenanthrene	178	10.927	10.927	0.000	99	1154964	60.0	60.5	
142 Anthracene	178	10.975	10.975	0.000	99	1225822	60.0	60.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.141	11.141	0.000	99	1084785	60.0	60.2	
145 Di-n-butyl phthalate	149	11.499	11.499	0.000	100	1482777	60.0	60.8	
152 Fluoranthene	202	12.043	12.044	-0.001	98	1418761	60.0	58.7	
154 Benzidine	184	12.172	12.172	0.000	98	1571933	120.0	113.3	
155 Pyrene	202	12.246	12.247	-0.001	97	1462597	60.0	58.9	
162 Butyl benzyl phthalate	149	12.813	12.813	0.000	93	704762	60.0	62.6	
166 3,3'-Dichlorobenzidine	252	13.256	13.256	0.000	75	1178631	120.0	124.1	
167 Benzo[a]anthracene	228	13.278	13.278	0.000	97	1492428	60.0	61.4	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.299	0.000	97	1011641	60.0	61.7	
169 Chrysene	228	13.310	13.310	0.000	96	1388568	60.0	60.3	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	100	1648615	60.0	62.1	
174 Benzo[b]fluoranthene	252	14.148	14.148	0.000	95	1657485	60.0	60.5	
175 Benzo[k]fluoranthene	252	14.170	14.170	0.000	97	1497182	60.0	58.7	
177 Benzo[a]pyrene	252	14.399	14.400	-0.001	75	1462421	60.0	59.8	
180 Indeno[1,2,3-cd]pyrene	276	15.361	15.361	0.000	96	1914178	60.0	61.1	
181 Dibenz(a,h)anthracene	278	15.366	15.366	0.000	90	1538229	60.0	63.4	
182 Benzo[g,h,i]perylene	276	15.623	15.618	0.005	96	1408004	60.0	60.6	
S 237 Total Cresols	1				0			128.5	

QC Flag Legend

Processing Flags

Reagents:

MB_LIST1_WRK_01079 Amount Added: 1.00 Units: mL

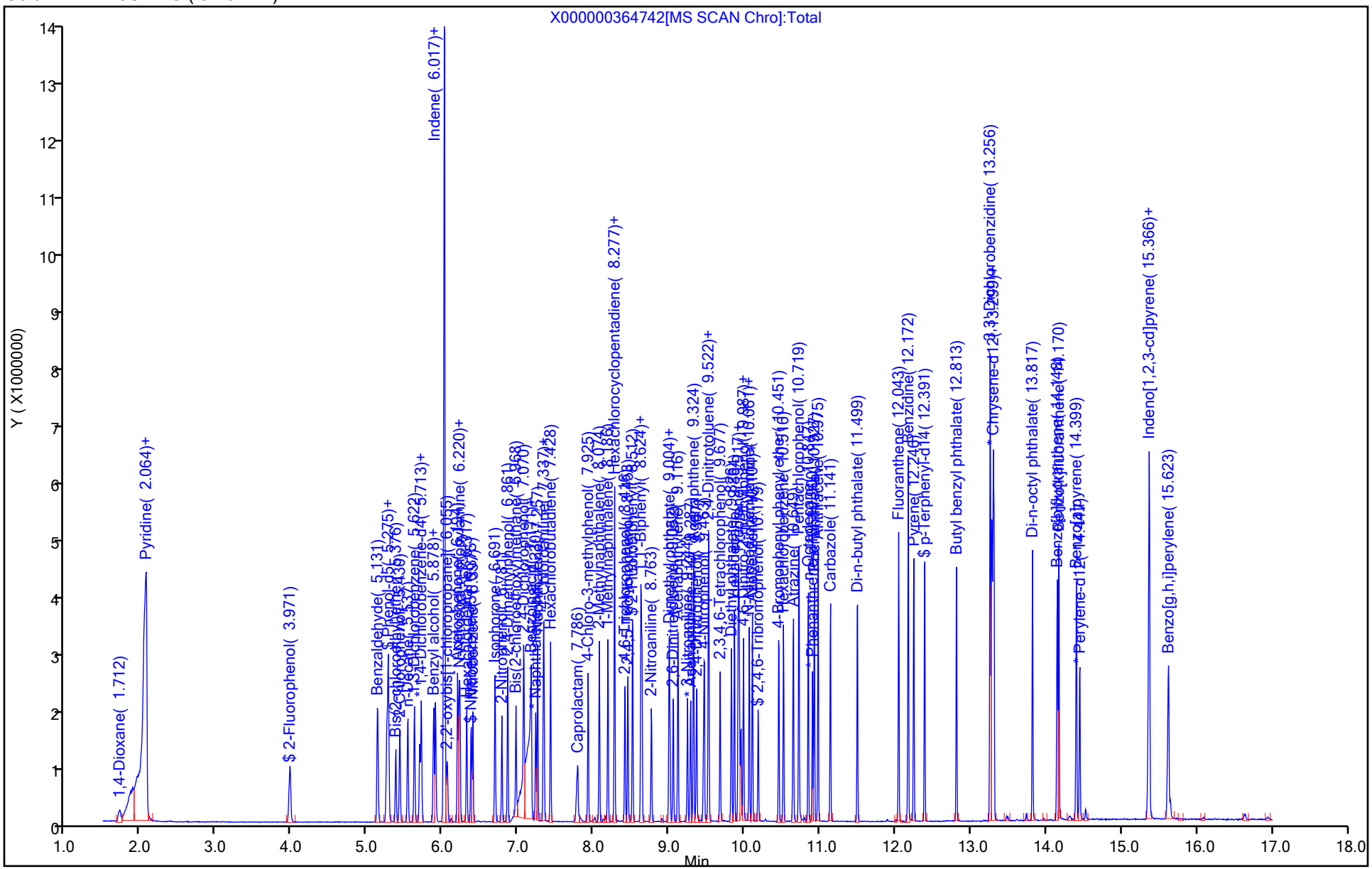
Report Date: 31-Jul-2025 11:30:14 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364742.d

Injection Date:	30-Jul-2025 12:23:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 60			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364743.d
Lims ID: IC - List 1 - 80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 30-Jul-2025 12:48:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-010
Operator ID: JM Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:30:26 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:05:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.691	5.692	-0.001	93	169338	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.230	0.000	98	583380	40.0	40.0	
* 3 Acenaphthene-d10	164	9.287	9.287	0.000	94	343822	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	98	668539	40.0	40.0	
* 5 Chrysene-d12	240	13.288	13.288	0.000	99	724303	40.0	40.0	
* 6 Perylene-d12	264	14.442	14.448	-0.006	99	786825	40.0	40.0	
$ 7 2-Fluorophenol	112	3.971	3.966	0.005	91	483932	80.0	78.1	
$ 8 Phenol-d5	99	5.259	5.254	0.005	92	629695	80.0	77.0	
$ 9 Nitrobenzene-d5	82	6.375	6.370	0.005	87	728522	80.0	81.4	
$ 10 2-Fluorobiphenyl	172	8.518	8.518	0.000	98	1034807	80.0	81.4	
$ 11 2,4,6-Tribromophenol	330	10.184	10.184	0.000	92	212387	80.0	81.2	
$ 12 p-Terphenyl-d14	244	12.391	12.391	0.000	95	1447364	80.0	76.6	
15 1,4-Dioxane	88	1.701	1.696	0.005	90	211010	80.0	69.6	
16 N-Nitrosodimethylamine	74	2.000	2.000	0.000	88	352098	80.0	76.4	
17 Pyridine	52	2.048	2.054	-0.006	85	626156	160.0	150.7	
27 Benzaldehyde	77	5.131	5.131	0.000	91	633545	80.0	70.7	
28 Phenol	94	5.275	5.270	0.005	94	720541	80.0	76.6	
29 Aniline	93	5.280	5.275	0.005	97	852716	80.0	78.1	
31 Bis(2-chloroethyl)ether	93	5.376	5.371	0.005	99	502999	80.0	75.6	
32 2-Chlorophenol	128	5.430	5.430	0.000	91	428714	80.0	79.3	
35 n-Decane	57	5.537	5.531	0.006	78	448697	80.0	78.8	
36 1,3-Dichlorobenzene	146	5.622	5.622	0.000	84	460558	80.0	77.2	
37 1,4-Dichlorobenzene	146	5.713	5.713	0.000	82	476176	80.0	76.4	
38 Benzyl alcohol	108	5.878	5.873	0.005	85	355696	80.0	78.4	
39 1,2-Dichlorobenzene	146	5.900	5.900	0.000	85	443437	80.0	77.3	
229 Indene	115	6.023	6.018	0.005	88	4857838	480.0	437.5	
40 2-Methylphenol	108	6.028	6.028	0.000	93	517149	80.0	80.8	
42 2,2'-oxybis[1-chloropropane]	45	6.055	6.055	0.000	74	388303	80.0	77.3	
45 Acetophenone	105	6.194	6.194	0.000	88	801761	80.0	77.1	
47 N-Nitrosodi-n-propylamine	70	6.215	6.210	0.005	81	457179	80.0	78.0	
46 4-Methylphenol	108	6.231	6.221	0.010	89	495256	80.0	77.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.317	6.317	0.000	90	255216	80.0	79.4	
52 Nitrobenzene	77	6.397	6.397	0.000	86	702769	80.0	81.2	
56 Isophorone	82	6.696	6.691	0.005	98	1205557	80.0	77.4	
58 2-Nitrophenol	139	6.781	6.781	0.000	81	228159	80.0	82.9	
59 2,4-Dimethylphenol	107	6.861	6.856	0.005	94	618259	80.0	77.7	
62 Bis(2-chloroethoxy)methane	93	6.968	6.968	0.000	98	614604	80.0	78.0	
65 2,4-Dichlorophenol	162	7.075	7.070	0.005	91	378859	80.0	83.0	
64 Benzoic acid	105	7.187	7.118	0.069	89	2895307	480.0	506.7	
67 1,2,4-Trichlorobenzene	180	7.171	7.171	0.000	89	434429	80.0	82.2	
69 Naphthalene	128	7.257	7.257	0.000	98	1198832	80.0	76.6	
71 4-Chloroaniline	127	7.337	7.332	0.005	91	526933	80.0	81.5	
70 2,6-Dichlorophenol	162	7.342	7.342	0.000	92	383118	80.0	81.3	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	95	354896	80.0	77.4	
78 Caprolactam	113	7.802	7.770	0.032	83	213999	80.0	77.1	M
79 4-Chloro-3-methylphenol	107	7.930	7.925	0.005	88	531513	80.0	77.0	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	88	793369	80.0	81.0	
83 1-Methylnaphthalene	142	8.192	8.186	0.006	86	748963	80.0	75.8	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.277	0.000	93	517693	80.0	80.7	
84 Hexachlorocyclopentadiene	237	8.277	8.277	0.000	95	455723	80.0	84.8	
86 2,4,6-Trichlorophenol	196	8.416	8.416	0.000	90	294199	80.0	76.7	
87 2,4,5-Trichlorophenol	196	8.453	8.454	-0.001	89	348123	80.0	85.4	
90 1,1'-Biphenyl	154	8.630	8.625	0.005	96	1119379	80.0	83.1	
91 2-Chloronaphthalene	162	8.640	8.641	-0.001	97	827684	80.0	82.0	
93 2-Nitroaniline	65	8.769	8.763	0.006	71	373274	80.0	79.6	
96 Dimethyl phthalate	163	9.004	8.999	0.006	95	1038102	80.0	78.8	
97 1,3-Dinitrobenzene	168	9.014	9.009	0.005	80	156953	80.0	81.5	
99 2,6-Dinitrotoluene	165	9.057	9.052	0.005	76	221490	80.0	85.9	
100 Acenaphthylene	152	9.121	9.116	0.005	97	1353256	80.0	76.0	
101 3-Nitroaniline	138	9.249	9.244	0.005	87	234268	80.0	80.2	
102 Acenaphthene	153	9.324	9.324	0.000	91	867775	80.0	78.8	
103 2,4-Dinitrophenol	184	9.367	9.362	0.005	75	292210	160.0	166.5	
104 4-Nitrophenol	109	9.474	9.463	0.011	86	533984	160.0	161.4	
106 2,4-Dinitrotoluene	165	9.522	9.517	0.005	80	317446	80.0	84.3	
107 Dibenzofuran	168	9.527	9.527	0.000	94	1281743	80.0	79.3	
110 2,3,4,6-Tetrachlorophenol	232	9.677	9.677	0.000	79	279805	80.0	79.5	
112 Diethyl phthalate	149	9.832	9.827	0.005	95	1147865	80.0	80.4	
138 Hexadecane	57	9.869	9.864	0.005	96	613830	80.0	81.7	
115 Fluorene	166	9.917	9.917	0.000	96	1047426	80.0	80.6	
116 4-Chlorophenyl phenyl ether	204	9.933	9.928	0.005	97	559530	80.0	80.5	
118 4-Nitroaniline	138	9.960	9.949	0.011	71	222191	80.0	79.4	
119 4,6-Dinitro-2-methylphenol	198	9.992	9.987	0.005	71	374785	160.0	174.7	
121 Diphenylamine	169	10.067	10.062	0.005	91	739289	68.4	68.0	
120 N-Nitrosodiphenylamine	169	10.067	10.062	0.005	94	739289	80.0	79.6	
123 1,2-Diphenylhydrazine	77	10.104	10.104	0.000	94	1447699	80.0	78.5	
122 Azobenzene	77	10.104	10.104	0.000	98	1447699	80.0	78.5	
130 4-Bromophenyl phenyl ether	248	10.457	10.457	0.000	72	348400	80.0	82.2	
131 Hexachlorobenzene	284	10.521	10.516	0.005	91	400880	80.0	77.2	
133 Atrazine	200	10.649	10.644	0.005	91	449438	80.0	78.1	
134 Pentachlorophenol	266	10.724	10.724	0.000	88	540532	160.0	167.1	
113 n-Octadecane	57	10.847	10.847	0.000	94	630046	80.0	79.9	
141 Phenanthrene	178	10.927	10.927	0.000	99	1423648	80.0	79.7	
142 Anthracene	178	10.975	10.975	0.000	99	1489798	80.0	78.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.141	11.141	0.000	99	1326652	80.0	78.8	
145 Di-n-butyl phthalate	149	11.499	11.499	-0.001	99	1759231	80.0	77.2	
152 Fluoranthene	202	12.043	12.044	-0.001	98	1736083	80.0	76.8	
154 Benzidine	184	12.172	12.172	0.000	98	1916473	160.0	143.2	
155 Pyrene	202	12.246	12.247	-0.001	97	1812982	80.0	75.7	
162 Butyl benzyl phthalate	149	12.813	12.813	0.000	94	842129	80.0	77.6	
166 3,3'-Dichlorobenzidine	252	13.261	13.256	0.005	75	1416998	160.0	154.5	
167 Benzo[a]anthracene	228	13.277	13.278	-0.001	97	1795483	80.0	76.7	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.299	0.000	97	1254755	80.0	79.3	
169 Chrysene	228	13.310	13.310	0.000	96	1671682	80.0	75.3	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	100	1952573	80.0	76.2	
174 Benzo[b]fluoranthene	252	14.148	14.148	0.000	95	2040823	80.0	81.6	
175 Benzo[k]fluoranthene	252	14.170	14.170	0.000	97	1829850	80.0	78.7	
177 Benzo[a]pyrene	252	14.399	14.400	-0.001	76	1789264	80.0	80.1	
180 Indeno[1,2,3-cd]pyrene	276	15.366	15.361	0.005	97	2356830	80.0	82.4	
181 Dibenz(a,h)anthracene	278	15.372	15.366	0.006	92	1884615	80.0	85.2	
182 Benzo[g,h,i]perylene	276	15.623	15.618	0.005	97	1769489	80.0	83.5	
S 237 Total Cresols	1				0			157.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_LIST1_WRK_01080 Amount Added: 1.00 Units: mL

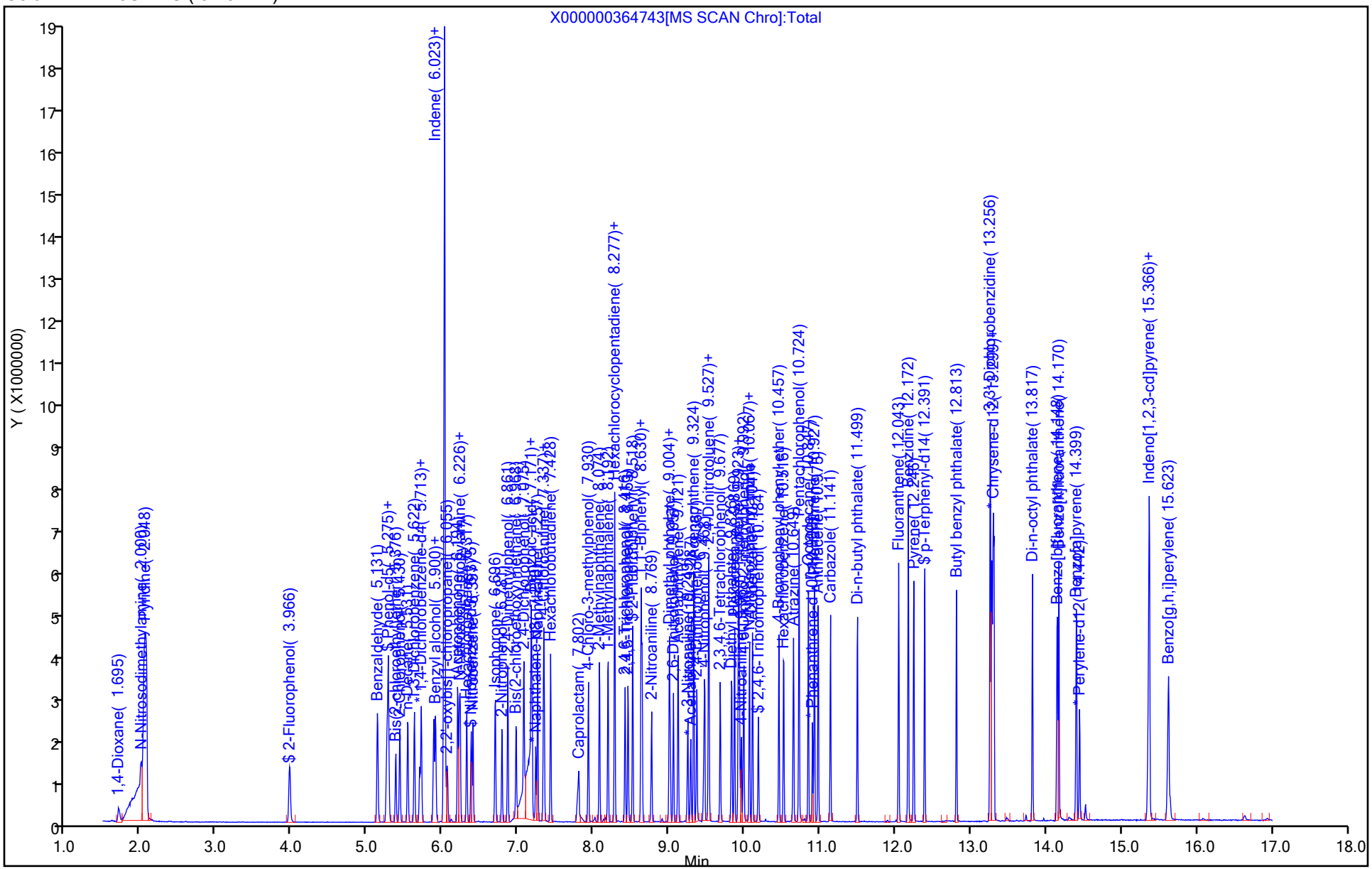
Report Date: 31-Jul-2025 11:30:27 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364743.d

Injection Date:	30-Jul-2025 12:48:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	IC - List 1 - 80			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

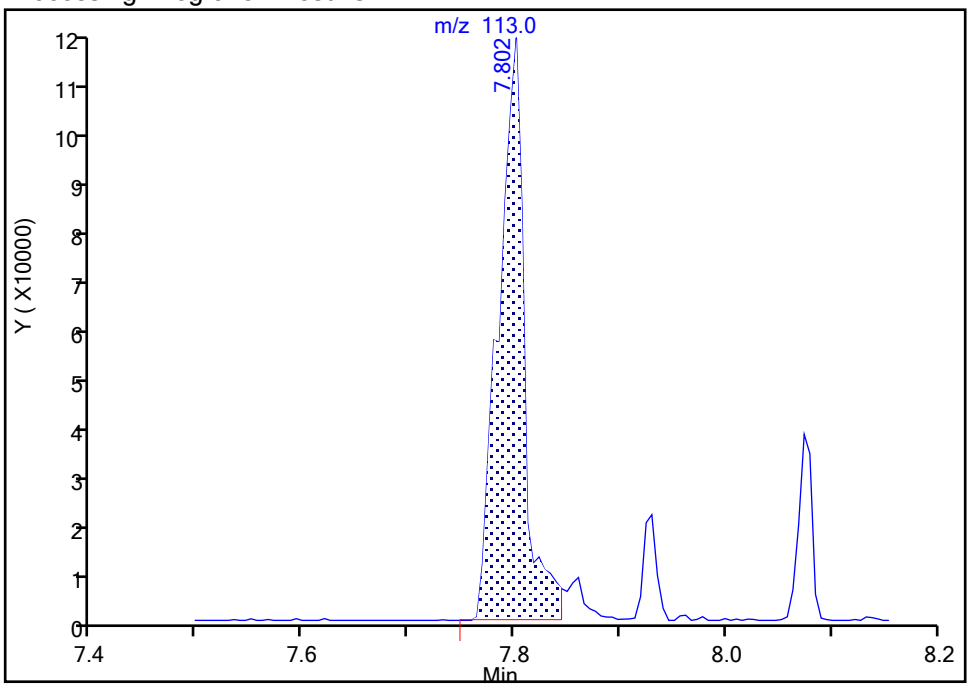
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Injection Date: 30-Jul-2025 12:48:30 Instrument ID: HP5973X
Lims ID: IC - List 1 - 80
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

78 Caprolactam, CAS: 105-60-2

Signal: 1

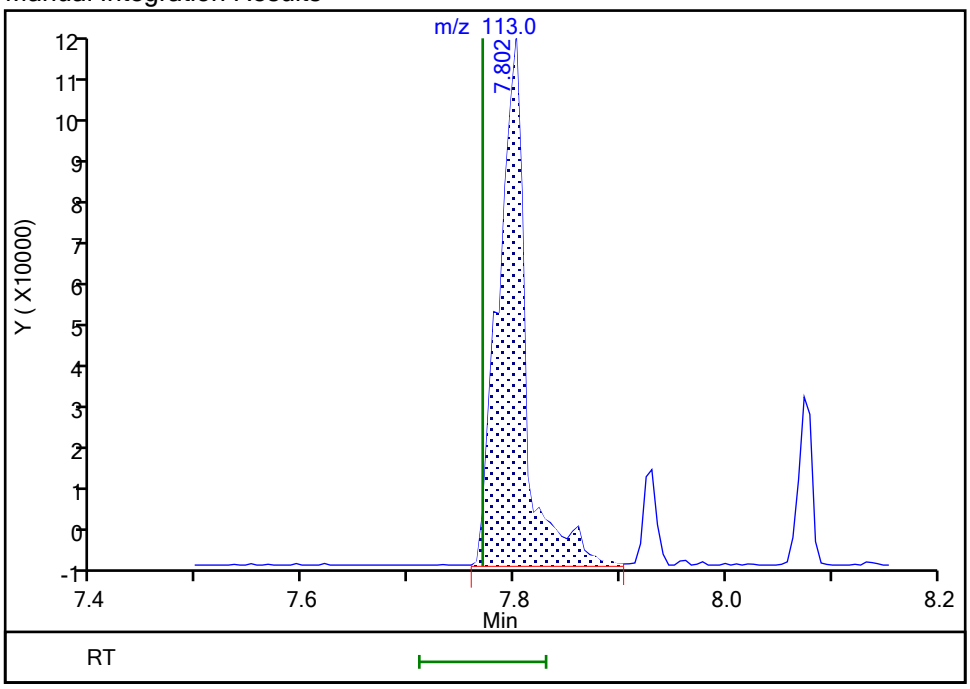
Processing Integration Results

RT: 7.80
Area: 203406
Amount: 73.510637
Amount Units: ng/uL



Manual Integration Results

RT: 7.80
Area: 213999
Amount: 77.147908
Amount Units: ng/uL



Reviewer: IZ8L, 31-Jul-2025 10:57:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

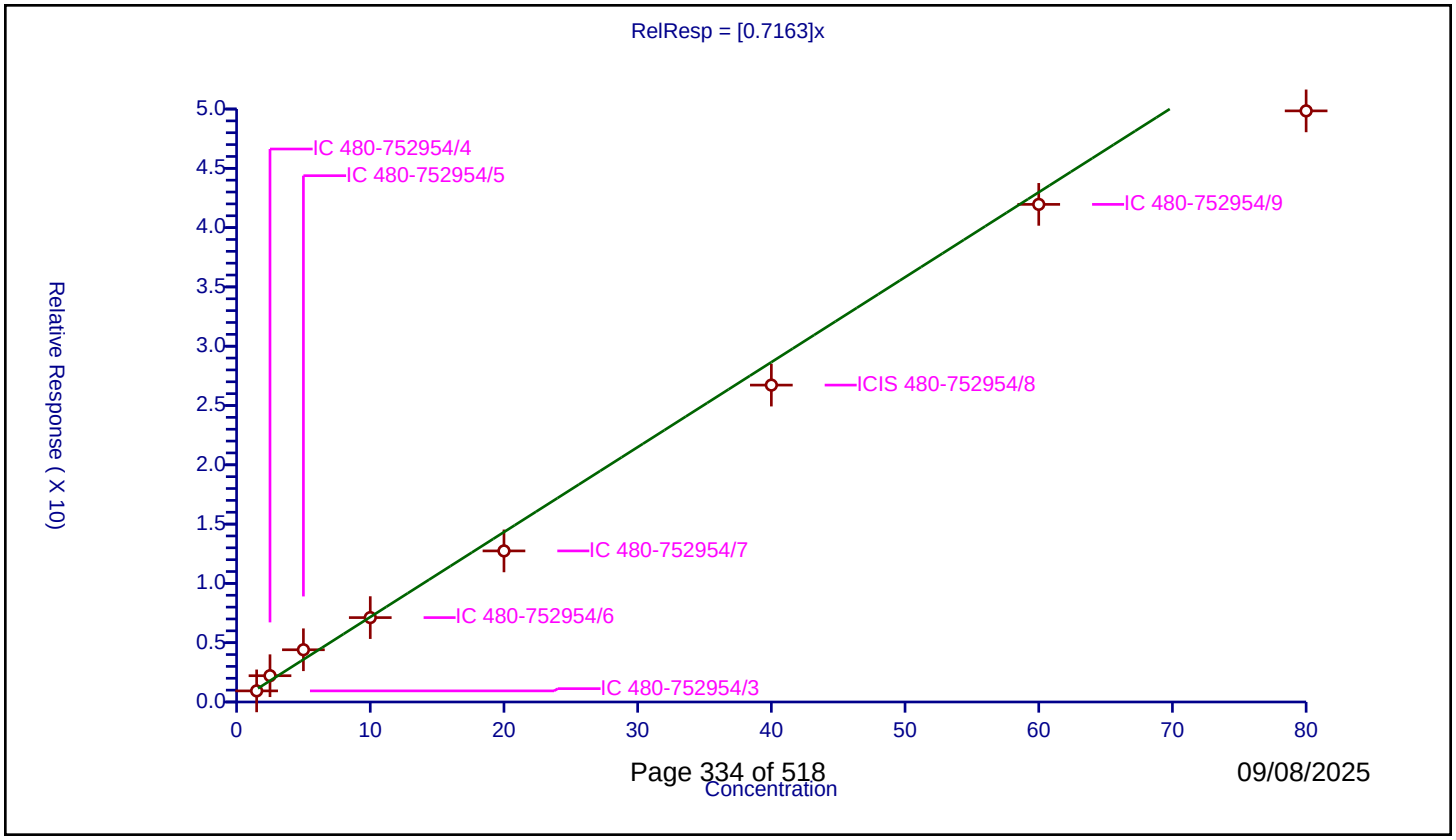
Curve Coefficients

Intercept:	0
Slope:	0.7163

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	1.5	0.937614	40.0	161815.0	0.625076	Y
2	IC 480-752954/4	2.5	2.21542	40.0	168257.0	0.886168	Y
3	IC 480-752954/5	5.0	4.402759	40.0	161208.0	0.880552	Y
4	IC 480-752954/6	10.0	7.115169	40.0	177227.0	0.711517	Y
5	IC 480-752954/7	20.0	12.738792	40.0	156894.0	0.63694	Y
6	ICIS 480-752954/8	40.0	26.721502	40.0	165100.0	0.668038	Y
7	IC 480-752954/9	60.0	41.960036	40.0	162446.0	0.699334	Y
8	IC 480-752954/10	80.0	49.843508	40.0	169338.0	0.623044	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

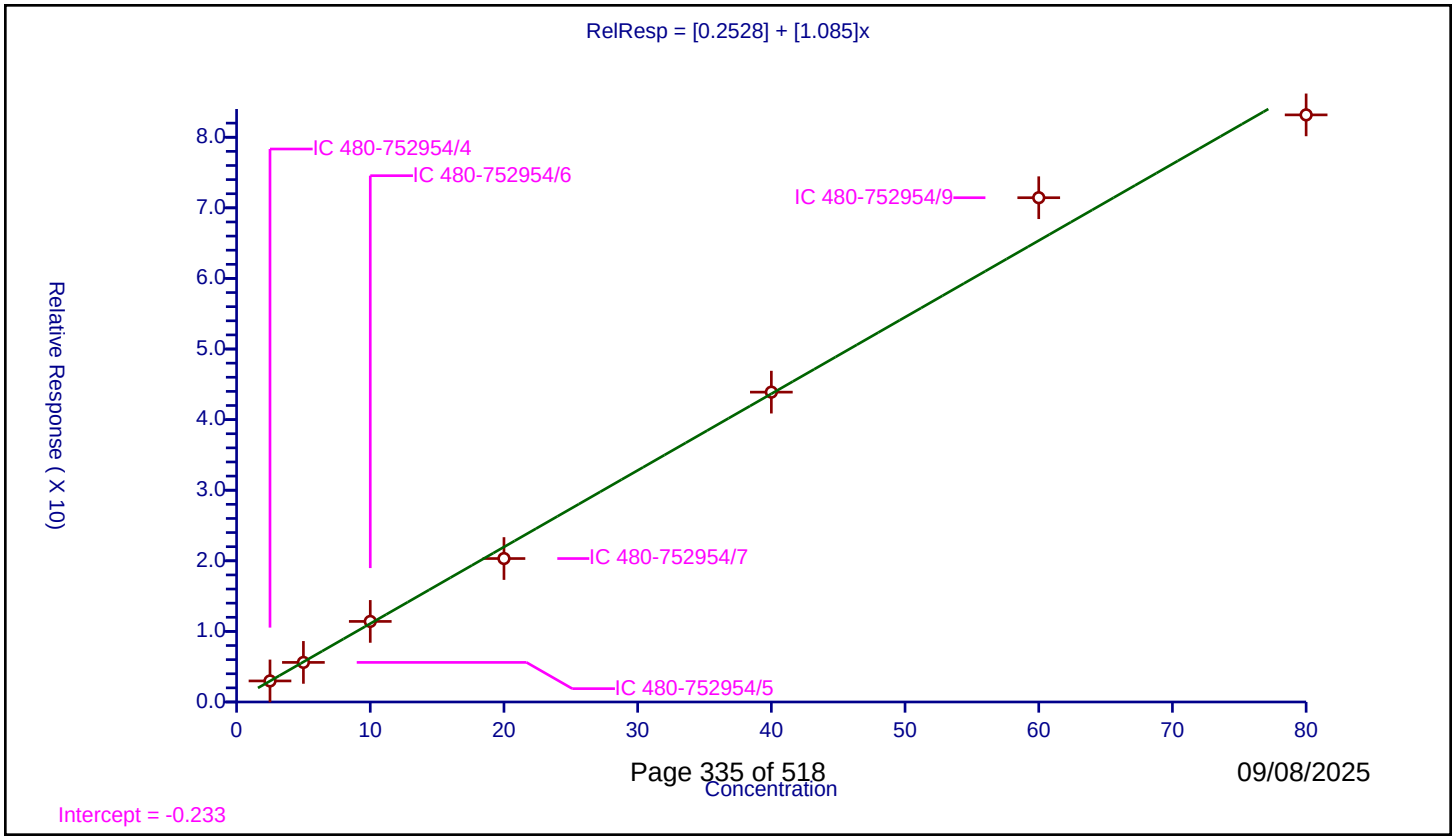
Curve Coefficients

Intercept:	0.2528
Slope:	1.085

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.981629	40.0	168257.0	1.192652	Y
2	IC 480-752954/5	5.0	5.609151	40.0	161208.0	1.12183	Y
3	IC 480-752954/6	10.0	11.412482	40.0	177227.0	1.141248	Y
4	IC 480-752954/7	20.0	20.322511	40.0	156894.0	1.016126	Y
5	ICIS 480-752954/8	40.0	43.892187	40.0	165100.0	1.097305	Y
6	IC 480-752954/9	60.0	71.435923	40.0	162446.0	1.190599	Y
7	IC 480-752954/10	80.0	83.170464	40.0	169338.0	1.039631	Y



09/08/2025

Calibration / Pyridine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

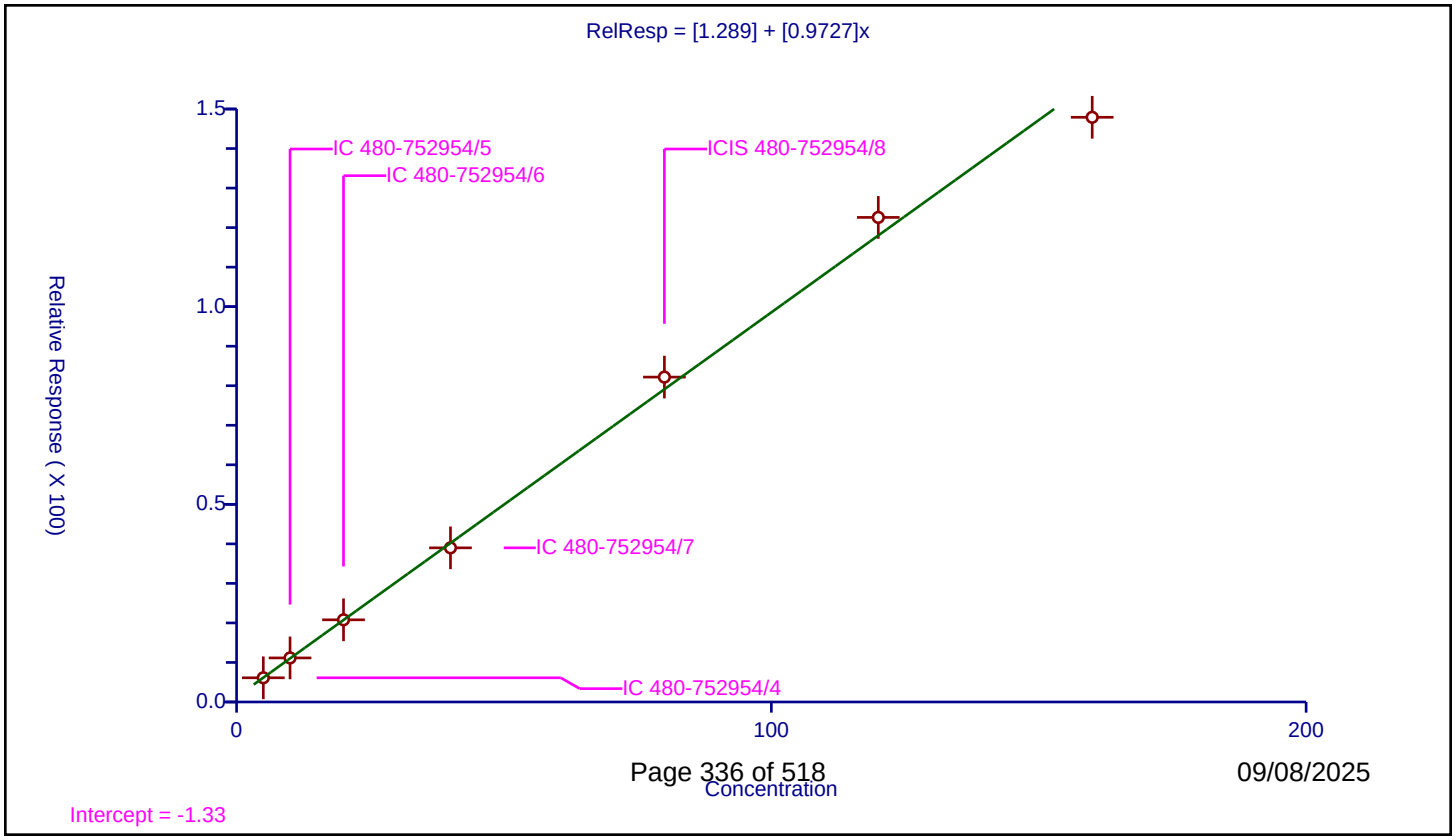
Curve Coefficients

Intercept:	1.289
Slope:	0.9727

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	6.124678	40.0	168257.0	1.224936	Y
2	IC 480-752954/5	10.0	11.144112	40.0	161208.0	1.114411	Y
3	IC 480-752954/6	20.0	20.786675	40.0	177227.0	1.039334	Y
4	IC 480-752954/7	40.0	38.99601	40.0	156894.0	0.9749	Y
5	ICIS 480-752954/8	80.0	82.186796	40.0	165100.0	1.027335	Y
6	IC 480-752954/9	120.0	122.57858	40.0	162446.0	1.021488	Y
7	IC 480-752954/10	160.0	147.90679	40.0	169338.0	0.924417	Y



Calibration / 2-Fluorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

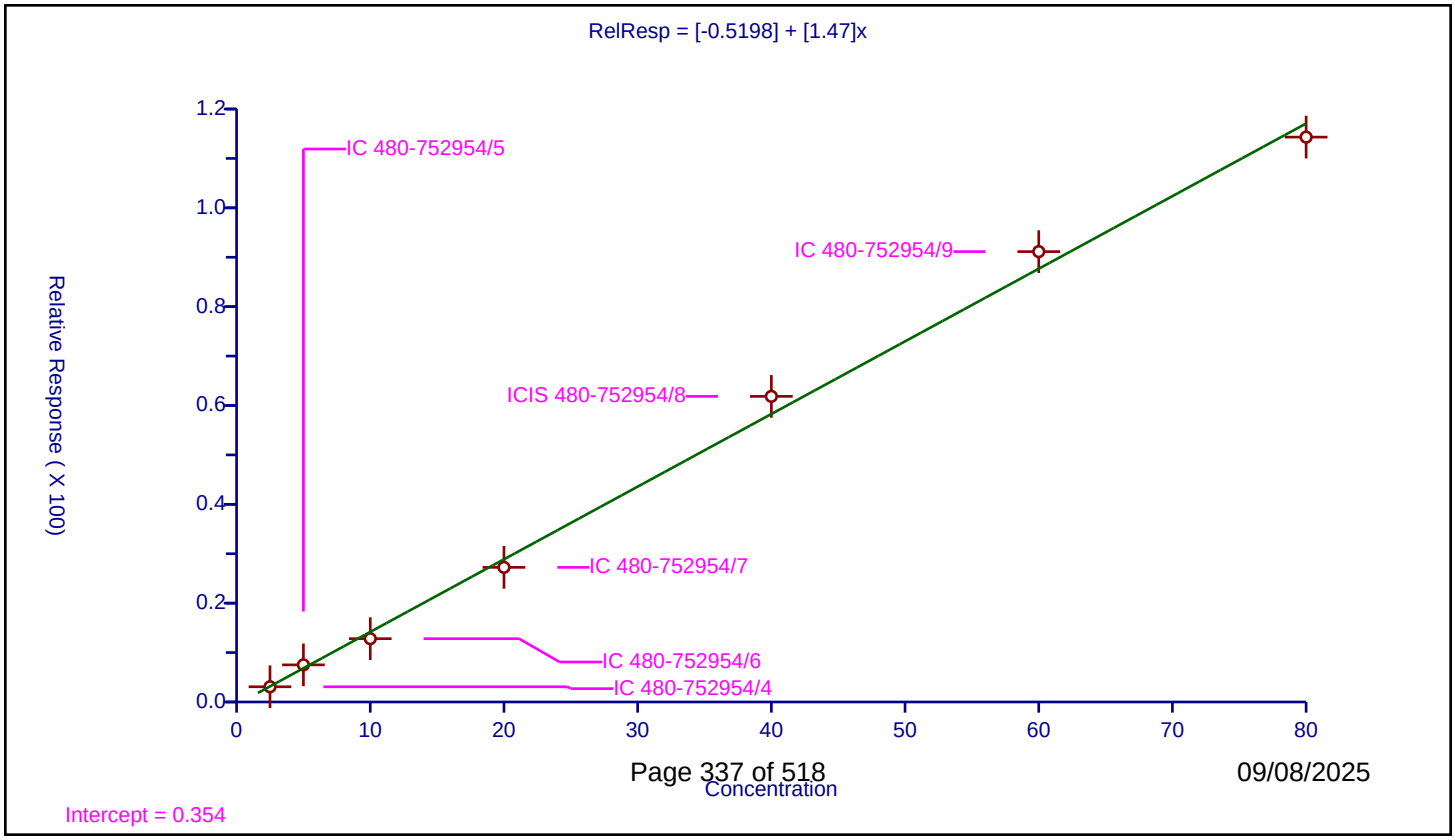
Curve Coefficients

Intercept:	-0.5198
Slope:	1.47

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.078148	40.0	168257.0	1.231259	Y
2	IC 480-752954/5	5.0	7.510297	40.0	161208.0	1.502059	Y
3	IC 480-752954/6	10.0	12.813849	40.0	177227.0	1.281385	Y
4	IC 480-752954/7	20.0	27.244127	40.0	156894.0	1.362206	Y
5	ICIS 480-752954/8	40.0	61.848819	40.0	165100.0	1.54622	Y
6	IC 480-752954/9	60.0	91.137486	40.0	162446.0	1.518958	Y
7	IC 480-752954/10	80.0	114.311495	40.0	169338.0	1.428894	Y



09/08/2025

Calibration / Benzaldehyde

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

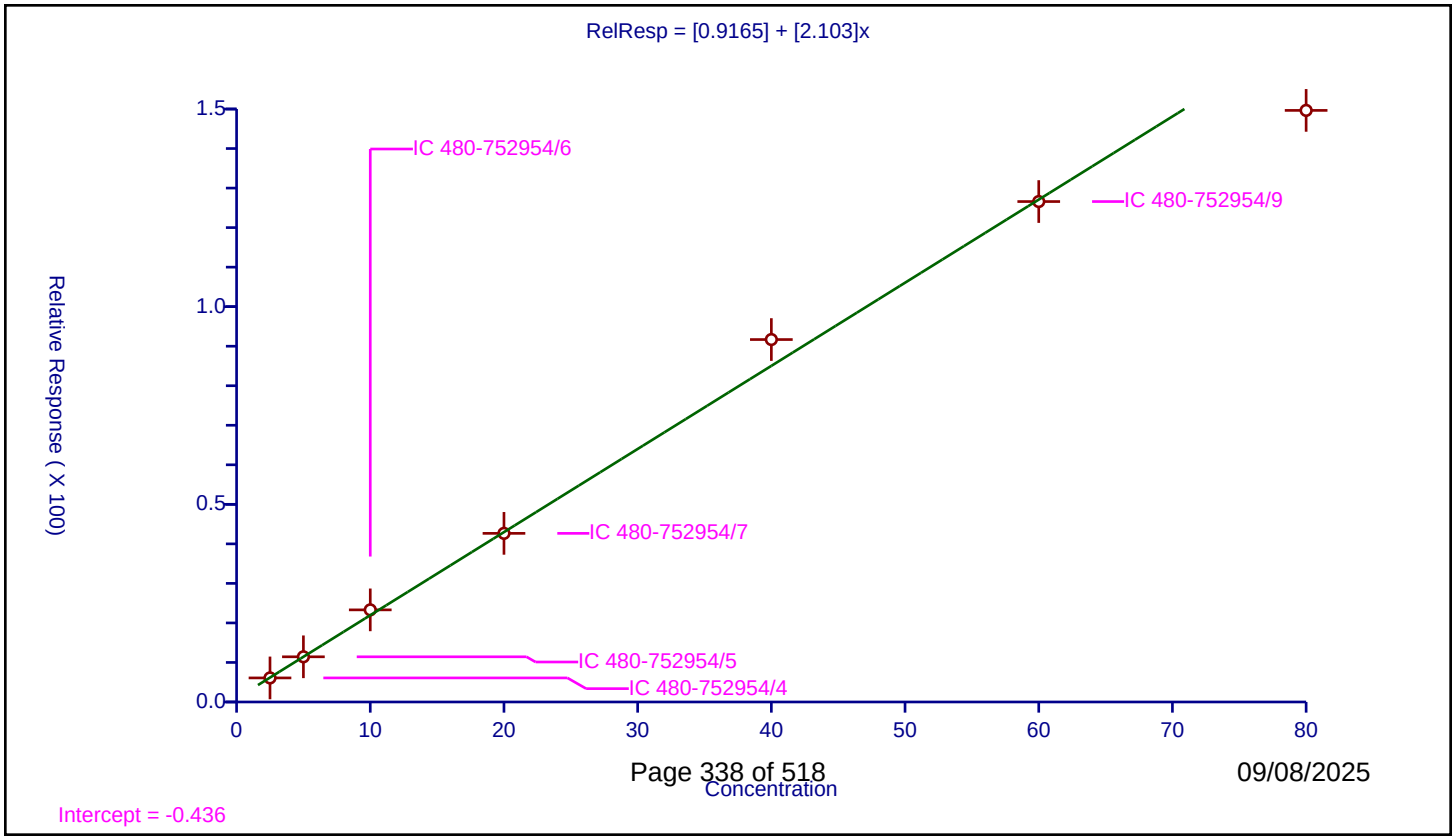
Curve Coefficients

Intercept:	0.9165
Slope:	2.103

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	6.08783	40.0	168257.0	2.435132	Y
2	IC 480-752954/5	5.0	11.428961	40.0	161208.0	2.285792	Y
3	IC 480-752954/6	10.0	23.300739	40.0	177227.0	2.330074	Y
4	IC 480-752954/7	20.0	42.65861	40.0	156894.0	2.132931	Y
5	ICIS 480-752954/8	40.0	91.683586	40.0	165100.0	2.29209	Y
6	IC 480-752954/9	60.0	126.589759	40.0	162446.0	2.109829	Y
7	IC 480-752954/10	80.0	149.652175	40.0	169338.0	1.870652	Y



09/08/2025

Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

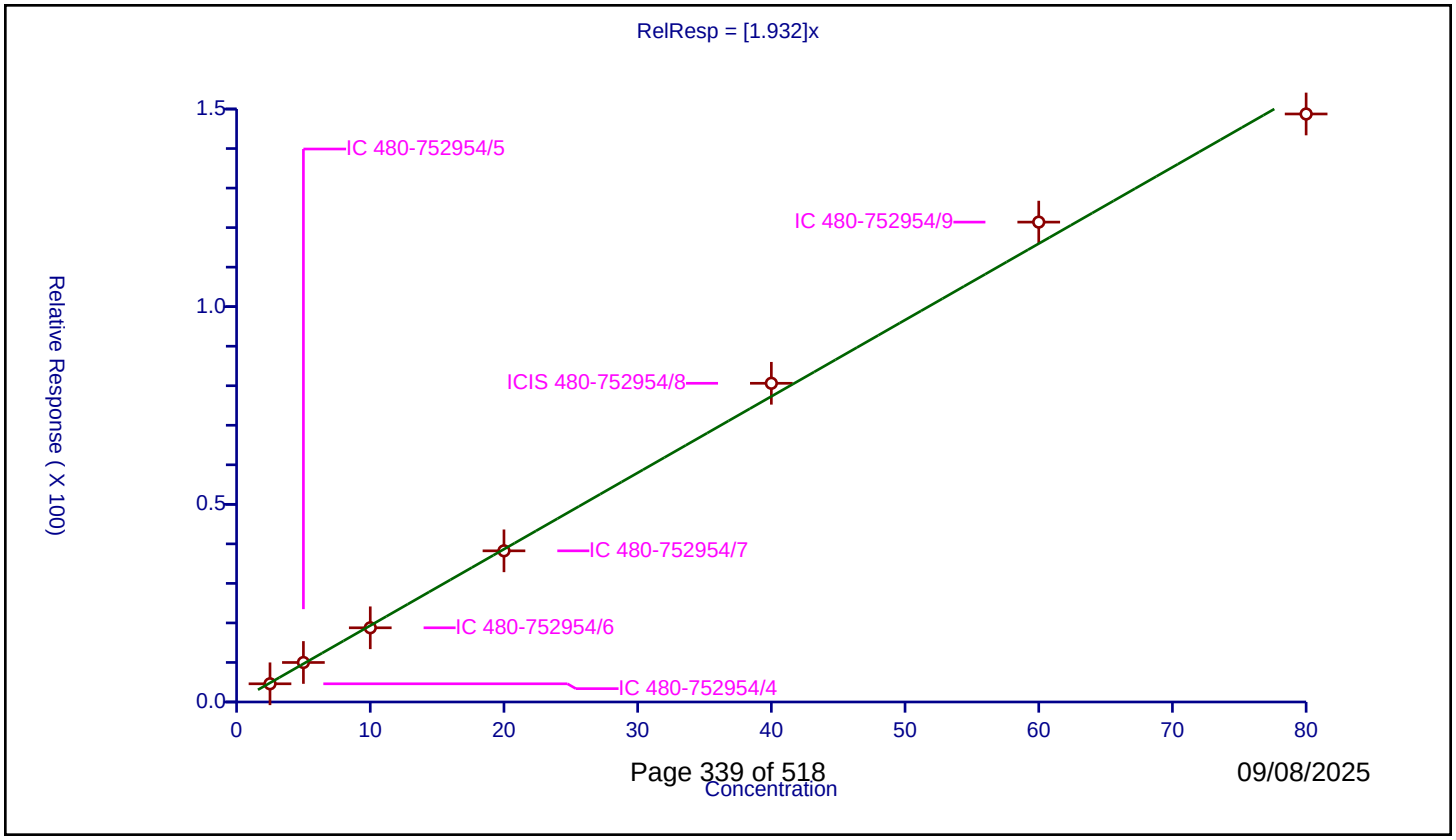
Curve Coefficients

Intercept:	0
Slope:	1.932

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	4.603196	40.0	168257.0	1.841279	Y
2	IC 480-752954/5	5.0	9.995534	40.0	161208.0	1.999107	Y
3	IC 480-752954/6	10.0	18.772083	40.0	177227.0	1.877208	Y
4	IC 480-752954/7	20.0	38.235497	40.0	156894.0	1.911775	Y
5	ICIS 480-752954/8	40.0	80.62023	40.0	165100.0	2.015506	Y
6	IC 480-752954/9	60.0	121.390739	40.0	162446.0	2.023179	Y
7	IC 480-752954/10	80.0	148.742751	40.0	169338.0	1.859284	Y



09/08/2025

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

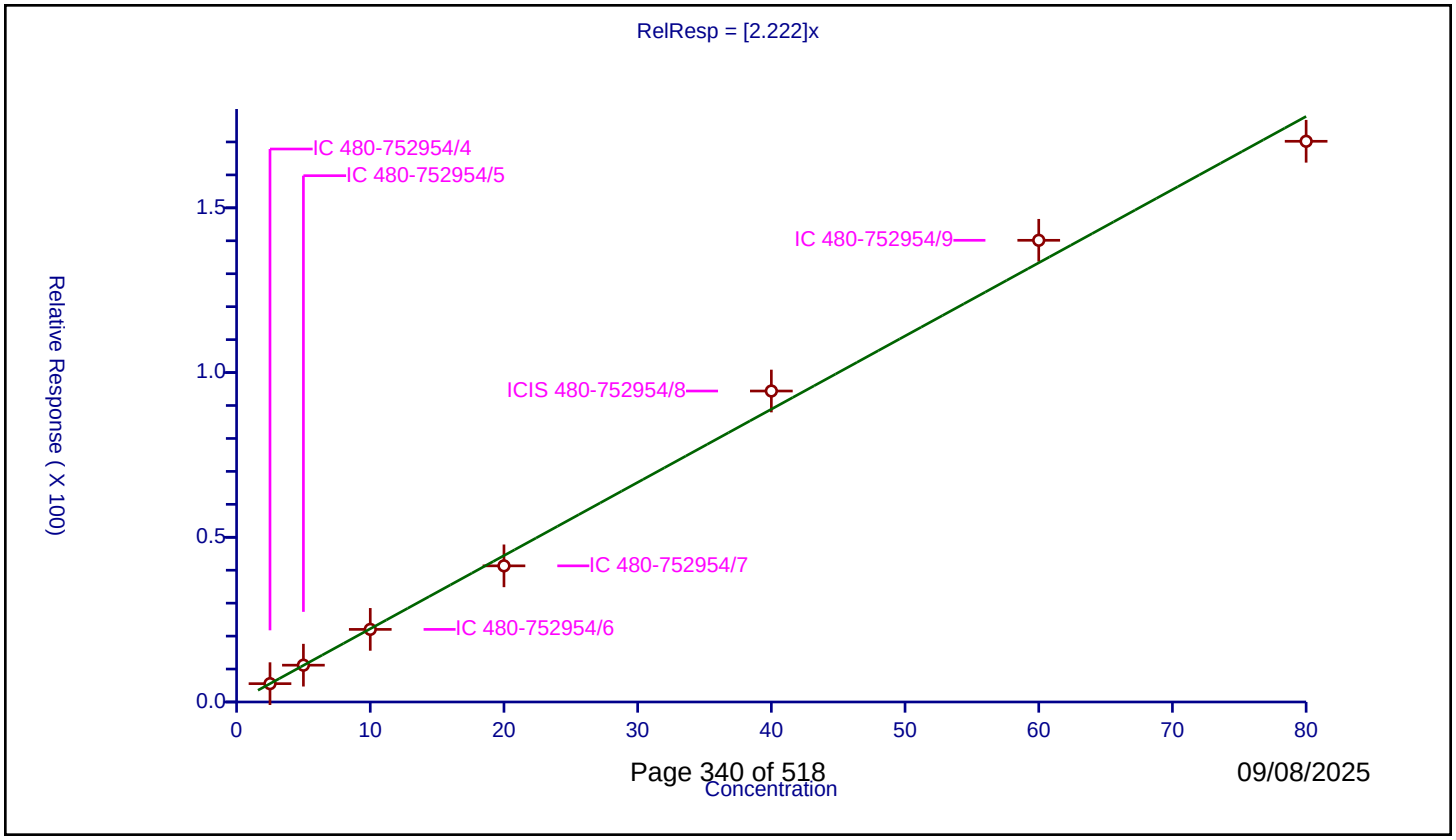
Curve Coefficients

Intercept:	0
Slope:	2.222

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	5.56173	40.0	168257.0	2.224692	Y
2	IC 480-752954/5	5.0	11.174135	40.0	161208.0	2.234827	Y
3	IC 480-752954/6	10.0	22.038177	40.0	177227.0	2.203818	Y
4	IC 480-752954/7	20.0	41.326756	40.0	156894.0	2.066338	Y
5	ICIS 480-752954/8	40.0	94.400485	40.0	165100.0	2.360012	Y
6	IC 480-752954/9	60.0	140.152174	40.0	162446.0	2.33587	Y
7	IC 480-752954/10	80.0	170.201845	40.0	169338.0	2.127523	Y



09/08/2025

Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

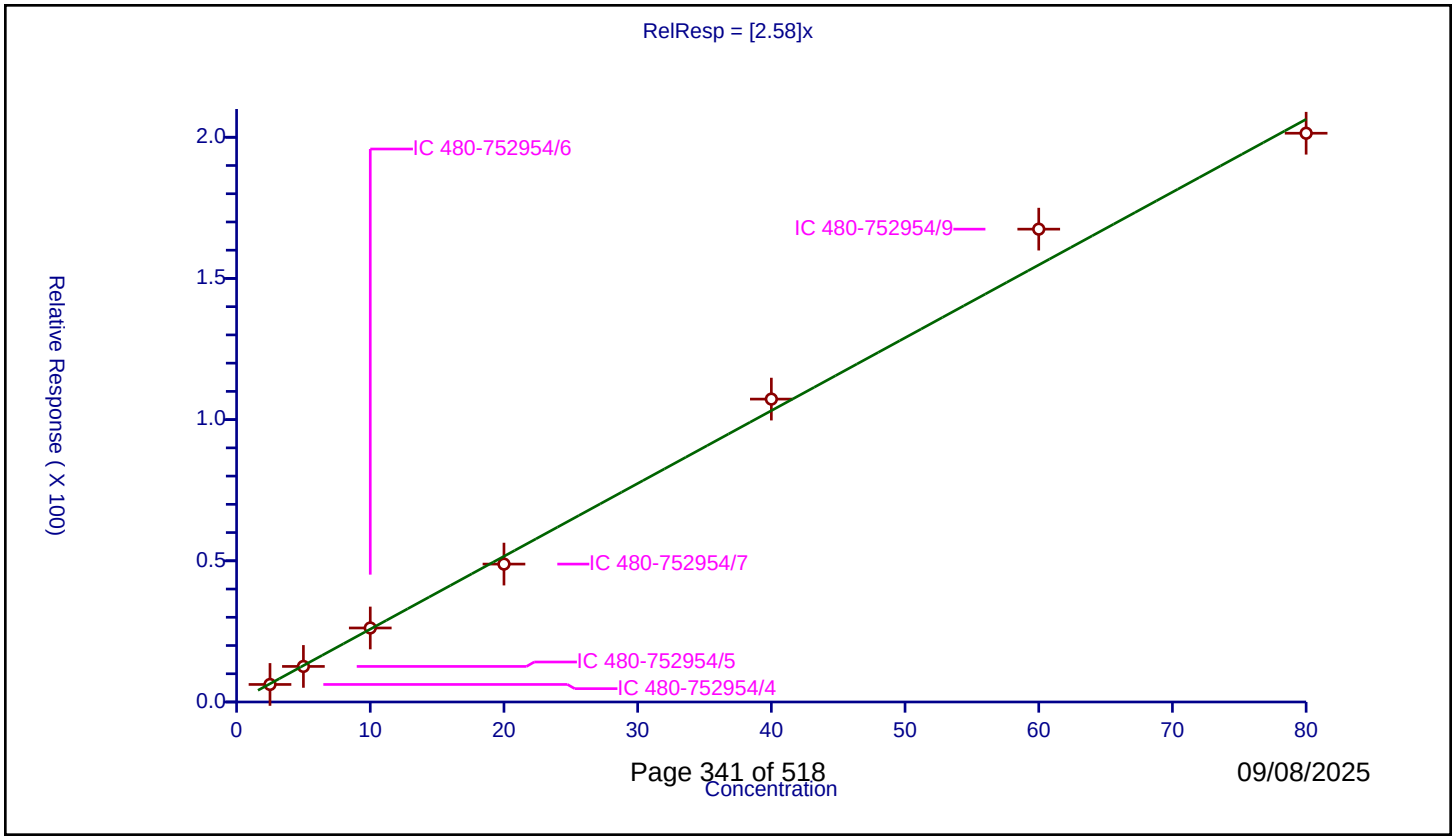
Curve Coefficients

Intercept:	0
Slope:	2.58

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	6.211688	40.0	168257.0	2.484675	Y
2	IC 480-752954/5	5.0	12.591683	40.0	161208.0	2.518337	Y
3	IC 480-752954/6	10.0	26.213839	40.0	177227.0	2.621384	Y
4	IC 480-752954/7	20.0	48.840619	40.0	156894.0	2.442031	Y
5	ICIS 480-752954/8	40.0	107.272683	40.0	165100.0	2.681817	Y
6	IC 480-752954/9	60.0	167.450599	40.0	162446.0	2.790843	Y
7	IC 480-752954/10	80.0	201.423425	40.0	169338.0	2.517793	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

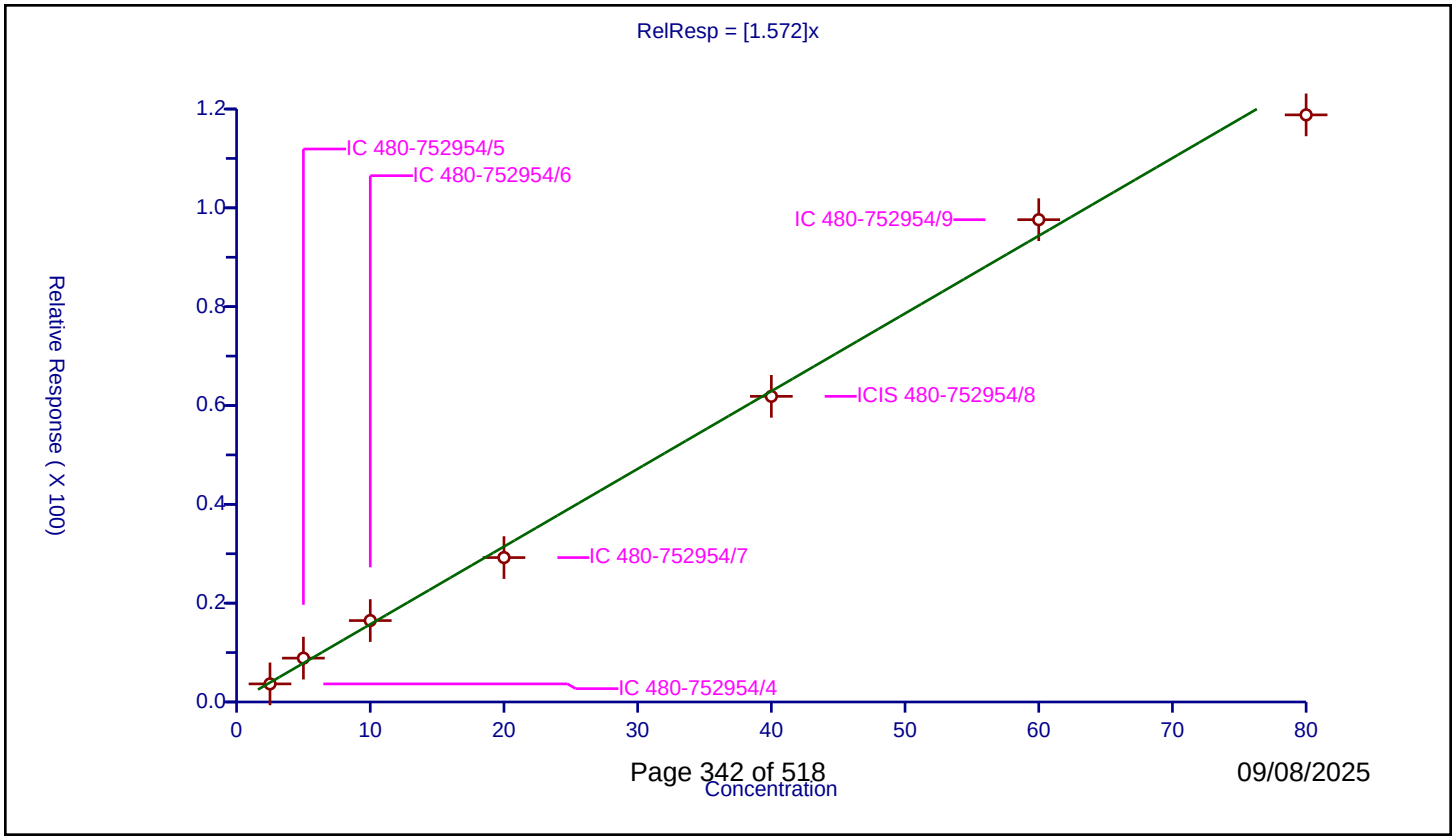
Curve Coefficients

Intercept:	0
Slope:	1.572

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.660591	40.0	168257.0	1.464236	Y
2	IC 480-752954/5	5.0	8.876483	40.0	161208.0	1.775297	Y
3	IC 480-752954/6	10.0	16.480559	40.0	177227.0	1.648056	Y
4	IC 480-752954/7	20.0	29.225592	40.0	156894.0	1.46128	Y
5	ICIS 480-752954/8	40.0	61.852211	40.0	165100.0	1.546305	Y
6	IC 480-752954/9	60.0	97.602649	40.0	162446.0	1.626711	Y
7	IC 480-752954/10	80.0	118.815387	40.0	169338.0	1.485192	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

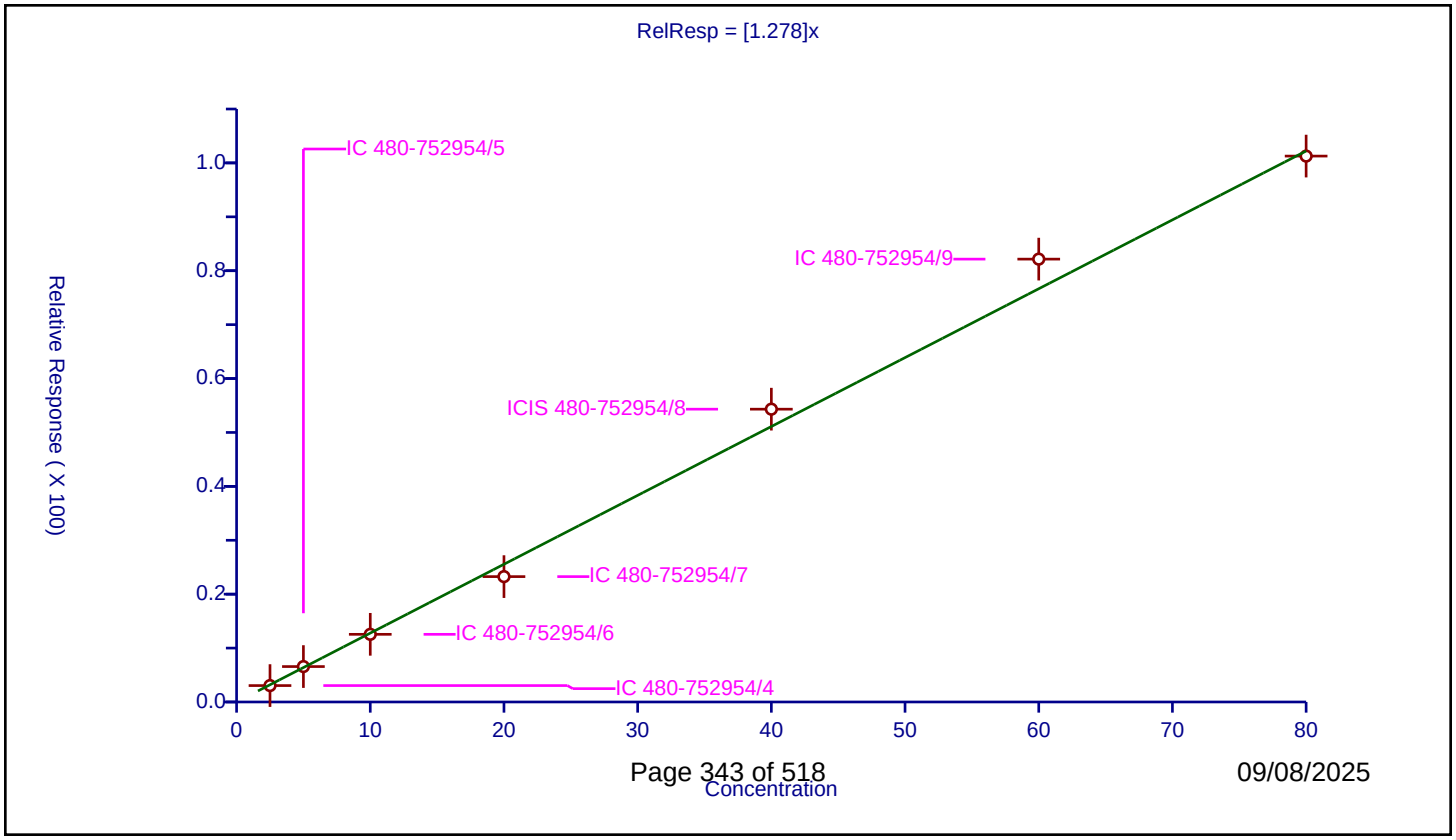
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.045817	40.0	168257.0	1.218327	Y
2	IC 480-752954/5	5.0	6.569401	40.0	161208.0	1.31388	Y
3	IC 480-752954/6	10.0	12.551135	40.0	177227.0	1.255113	Y
4	IC 480-752954/7	20.0	23.256721	40.0	156894.0	1.162836	Y
5	ICIS 480-752954/8	40.0	54.319806	40.0	165100.0	1.357995	Y
6	IC 480-752954/9	60.0	82.155055	40.0	162446.0	1.369251	Y
7	IC 480-752954/10	80.0	101.268233	40.0	169338.0	1.265853	Y



09/08/2025

Calibration / n-Decane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

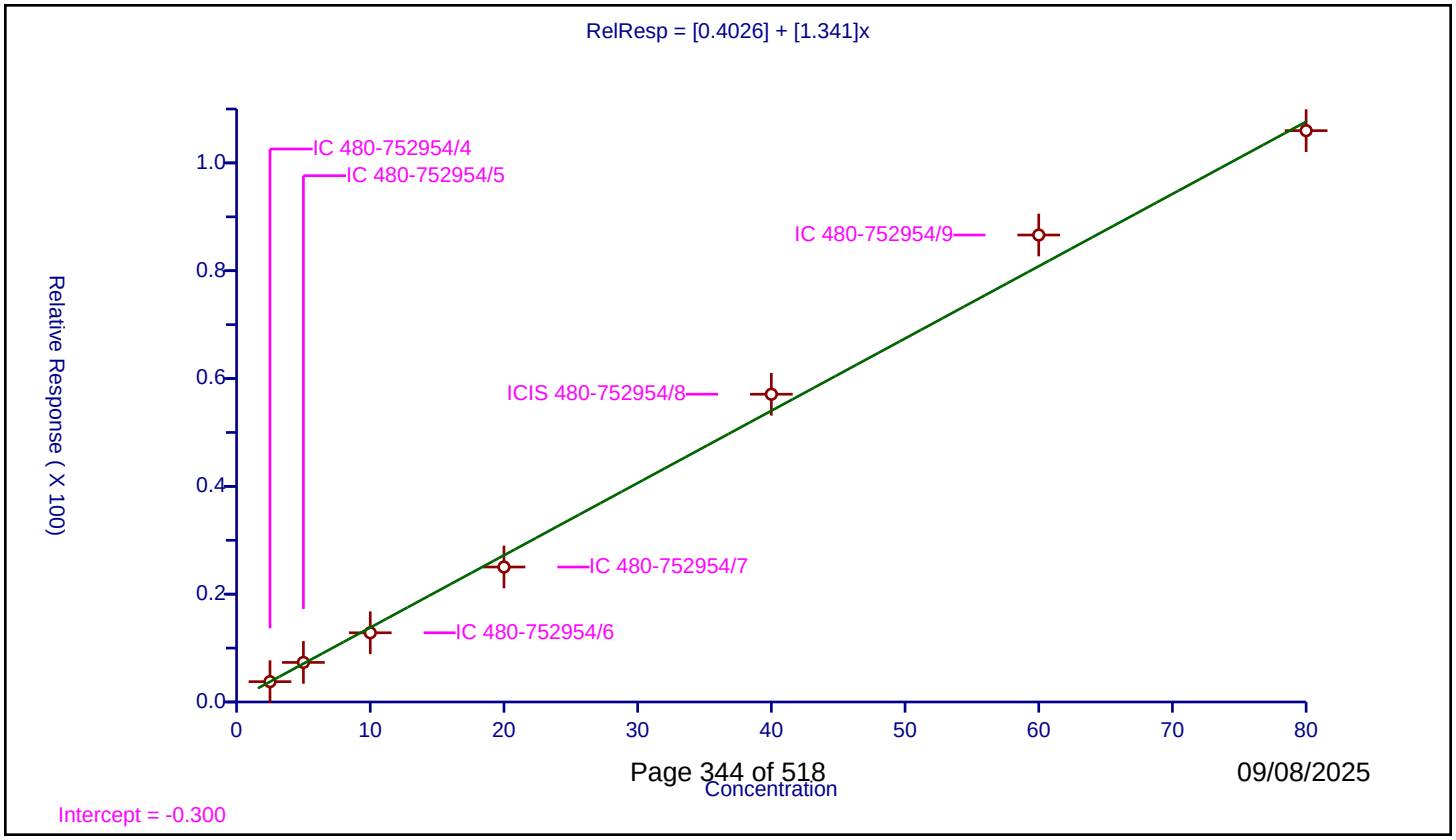
Curve Coefficients

Intercept:	0.4026
Slope:	1.341

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.769472	40.0	168257.0	1.507789	Y
2	IC 480-752954/5	5.0	7.339338	40.0	161208.0	1.467868	Y
3	IC 480-752954/6	10.0	12.839127	40.0	177227.0	1.283913	Y
4	IC 480-752954/7	20.0	25.039071	40.0	156894.0	1.251954	Y
5	ICIS 480-752954/8	40.0	57.092187	40.0	165100.0	1.427305	Y
6	IC 480-752954/9	60.0	86.627679	40.0	162446.0	1.443795	Y
7	IC 480-752954/10	80.0	105.988496	40.0	169338.0	1.324856	Y



09/08/2025

Calibration / 1,3-Dichlorobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

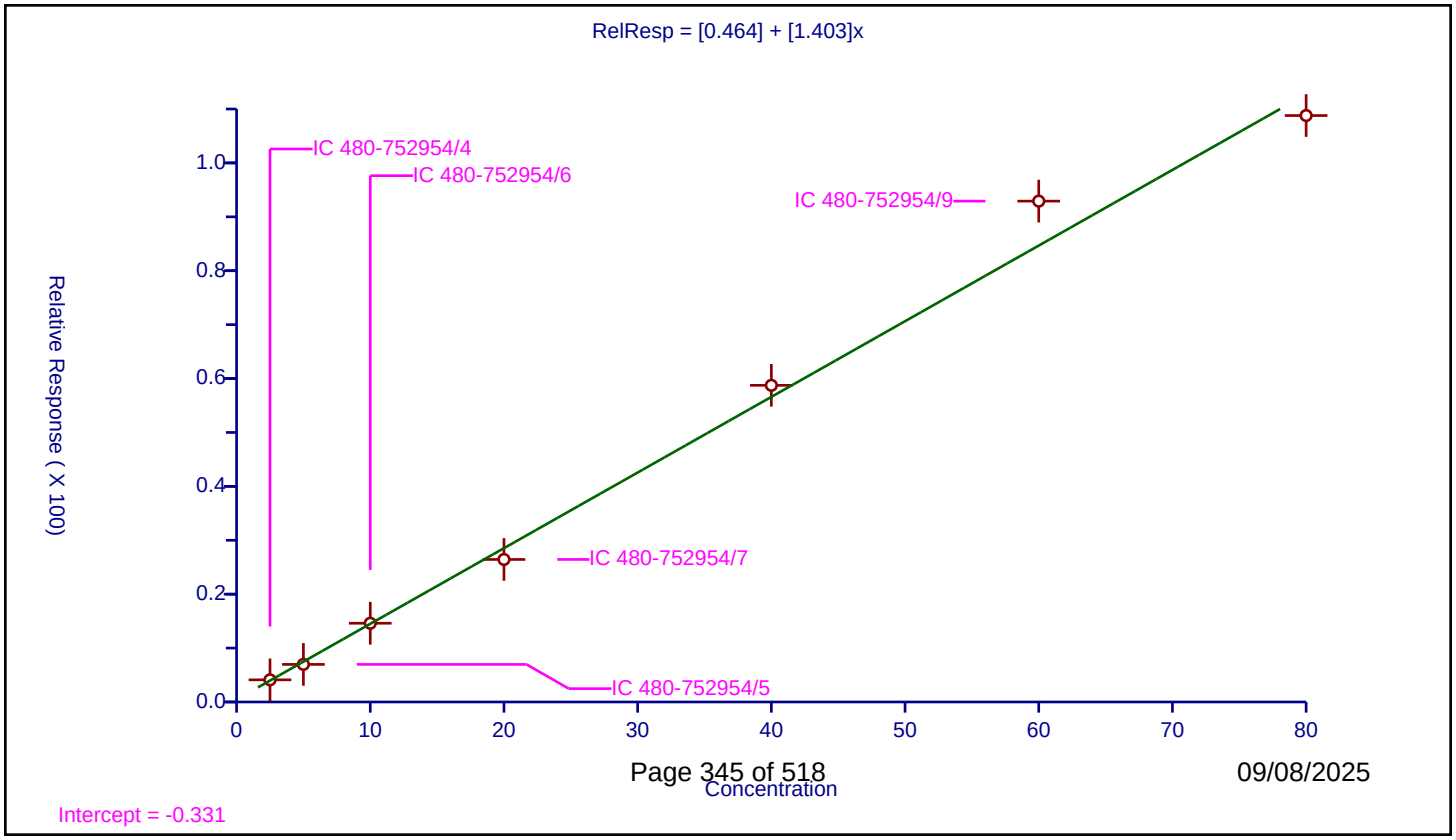
Curve Coefficients

Intercept:	0.464
Slope:	1.403

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	4.106337	40.0	168257.0	1.642535	Y
2	IC 480-752954/5	5.0	6.973103	40.0	161208.0	1.394621	Y
3	IC 480-752954/6	10.0	14.60545	40.0	177227.0	1.460545	Y
4	IC 480-752954/7	20.0	26.436448	40.0	156894.0	1.321822	Y
5	ICIS 480-752954/8	40.0	58.739673	40.0	165100.0	1.468492	Y
6	IC 480-752954/9	60.0	92.915061	40.0	162446.0	1.548584	Y
7	IC 480-752954/10	80.0	108.79023	40.0	169338.0	1.359878	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

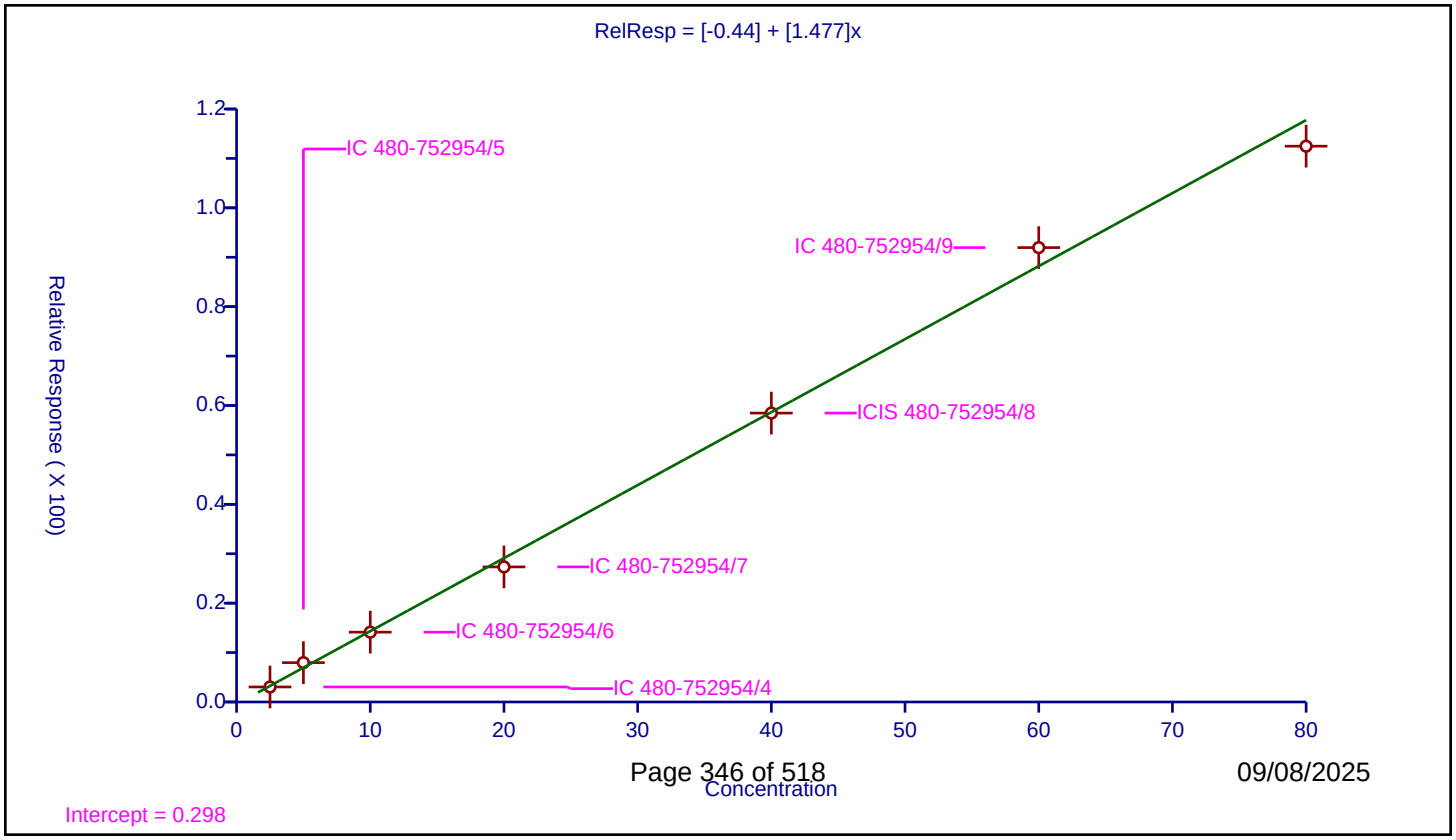
Curve Coefficients

Intercept:	-0.44
Slope:	1.477

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.039874	40.0	168257.0	1.215949	Y
2	IC 480-752954/5	5.0	7.961391	40.0	161208.0	1.592278	Y
3	IC 480-752954/6	10.0	14.128773	40.0	177227.0	1.412877	Y
4	IC 480-752954/7	20.0	27.335143	40.0	156894.0	1.366757	Y
5	ICIS 480-752954/8	40.0	58.463961	40.0	165100.0	1.461599	Y
6	IC 480-752954/9	60.0	91.95228	40.0	162446.0	1.532538	Y
7	IC 480-752954/10	80.0	112.47942	40.0	169338.0	1.405993	Y



Calibration / Benzyl alcohol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

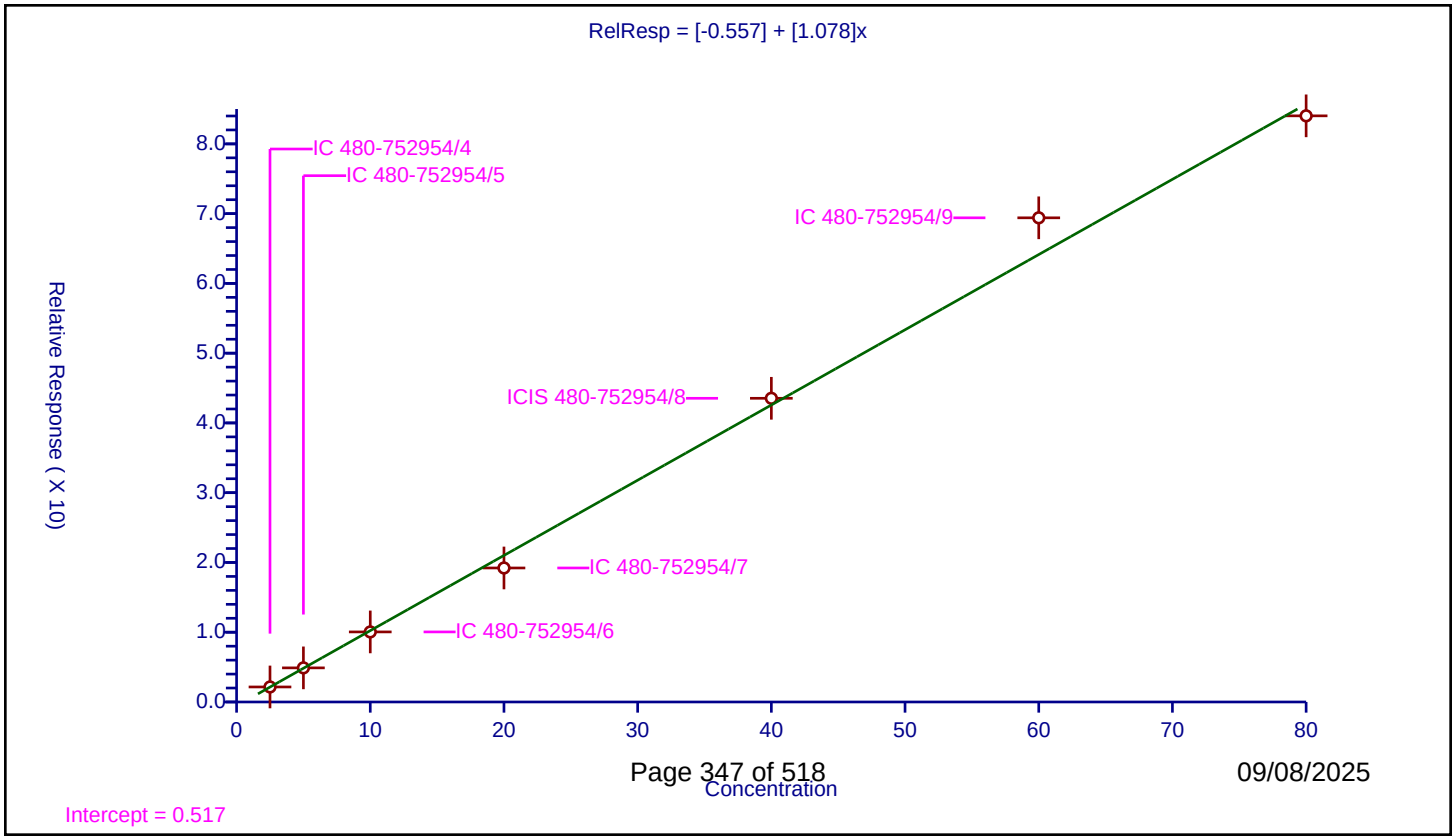
Curve Coefficients

Intercept:	-0.557
Slope:	1.078

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.152184	40.0	168257.0	0.860874	Y
2	IC 480-752954/5	5.0	4.892313	40.0	161208.0	0.978463	Y
3	IC 480-752954/6	10.0	10.044519	40.0	177227.0	1.004452	Y
4	IC 480-752954/7	20.0	19.210677	40.0	156894.0	0.960534	Y
5	ICIS 480-752954/8	40.0	43.534343	40.0	165100.0	1.088359	Y
6	IC 480-752954/9	60.0	69.405464	40.0	162446.0	1.156758	Y
7	IC 480-752954/10	80.0	84.020362	40.0	169338.0	1.050255	Y



09/08/2025

Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

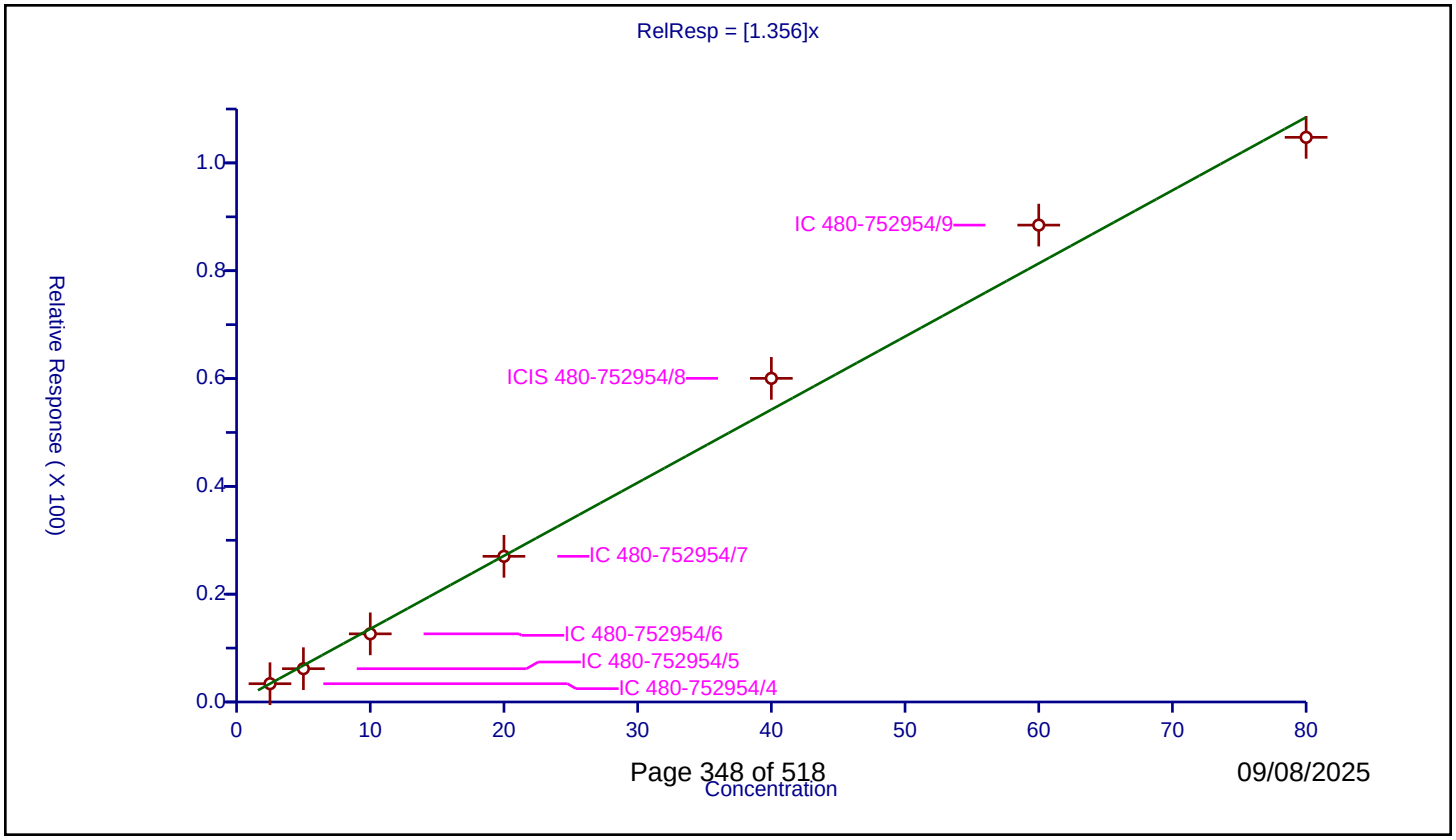
Curve Coefficients

Intercept:	0
Slope:	1.356

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.389339	40.0	168257.0	1.355736	Y
2	IC 480-752954/5	5.0	6.176368	40.0	161208.0	1.235274	Y
3	IC 480-752954/6	10.0	12.640738	40.0	177227.0	1.264074	Y
4	IC 480-752954/7	20.0	27.023086	40.0	156894.0	1.351154	Y
5	ICIS 480-752954/8	40.0	60.03513	40.0	165100.0	1.500878	Y
6	IC 480-752954/9	60.0	88.464597	40.0	162446.0	1.47441	Y
7	IC 480-752954/10	80.0	104.746011	40.0	169338.0	1.309325	Y



Calibration / Indene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

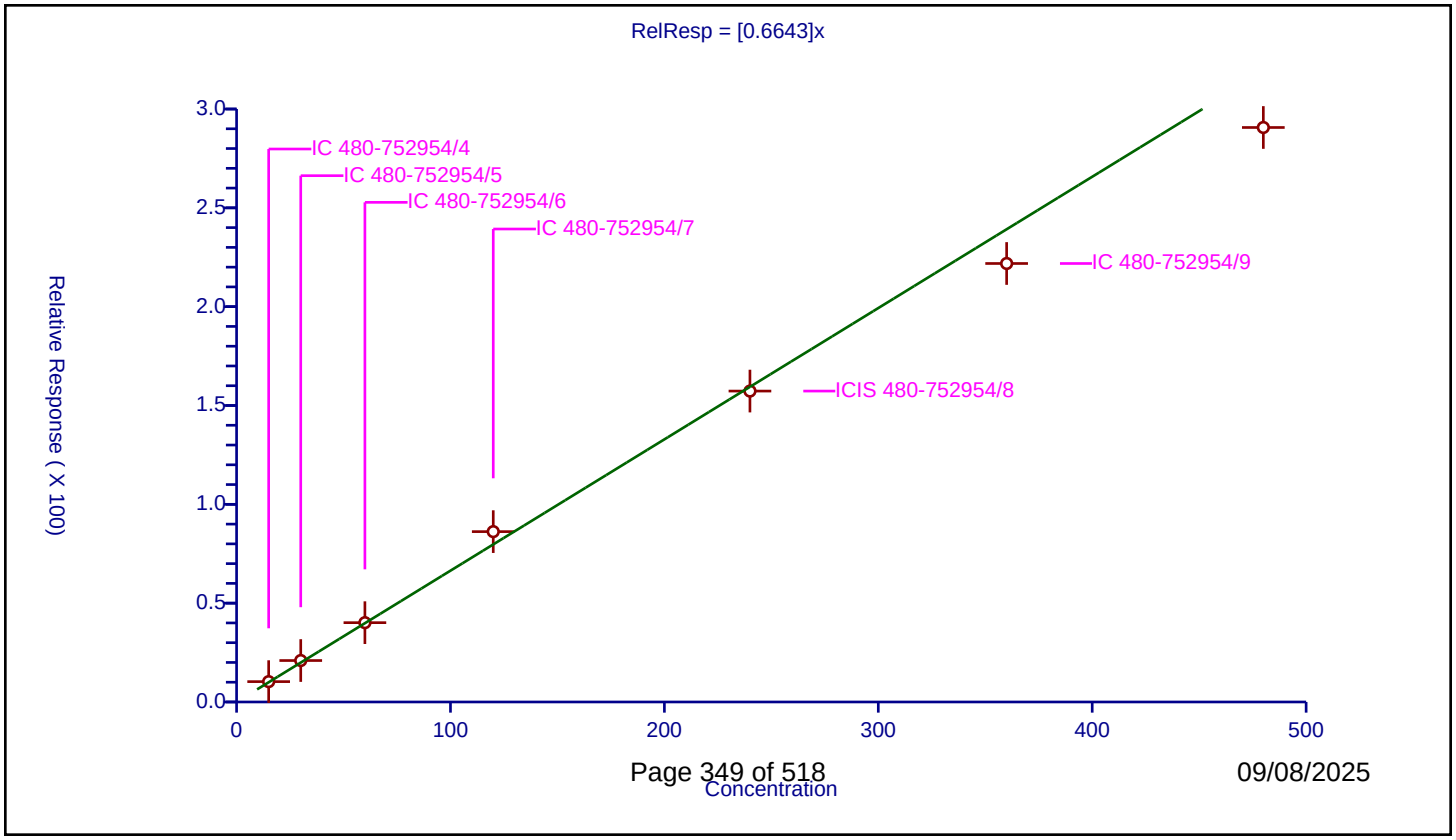
Curve Coefficients

Intercept:	0
Slope:	0.6643

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	15.0	10.299746	40.0	669601.0	0.68665	Y
2	IC 480-752954/5	30.0	20.974497	40.0	649032.0	0.69915	Y
3	IC 480-752954/6	60.0	40.136576	40.0	724871.0	0.668943	Y
4	IC 480-752954/7	120.0	86.195279	40.0	570047.0	0.718294	Y
5	ICIS 480-752954/8	240.0	157.306644	40.0	682524.0	0.655444	Y
6	IC 480-752954/9	360.0	221.845449	40.0	714948.0	0.616237	Y
7	IC 480-752954/10	480.0	290.653978	40.0	668539.0	0.605529	Y



Calibration / 2-Methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

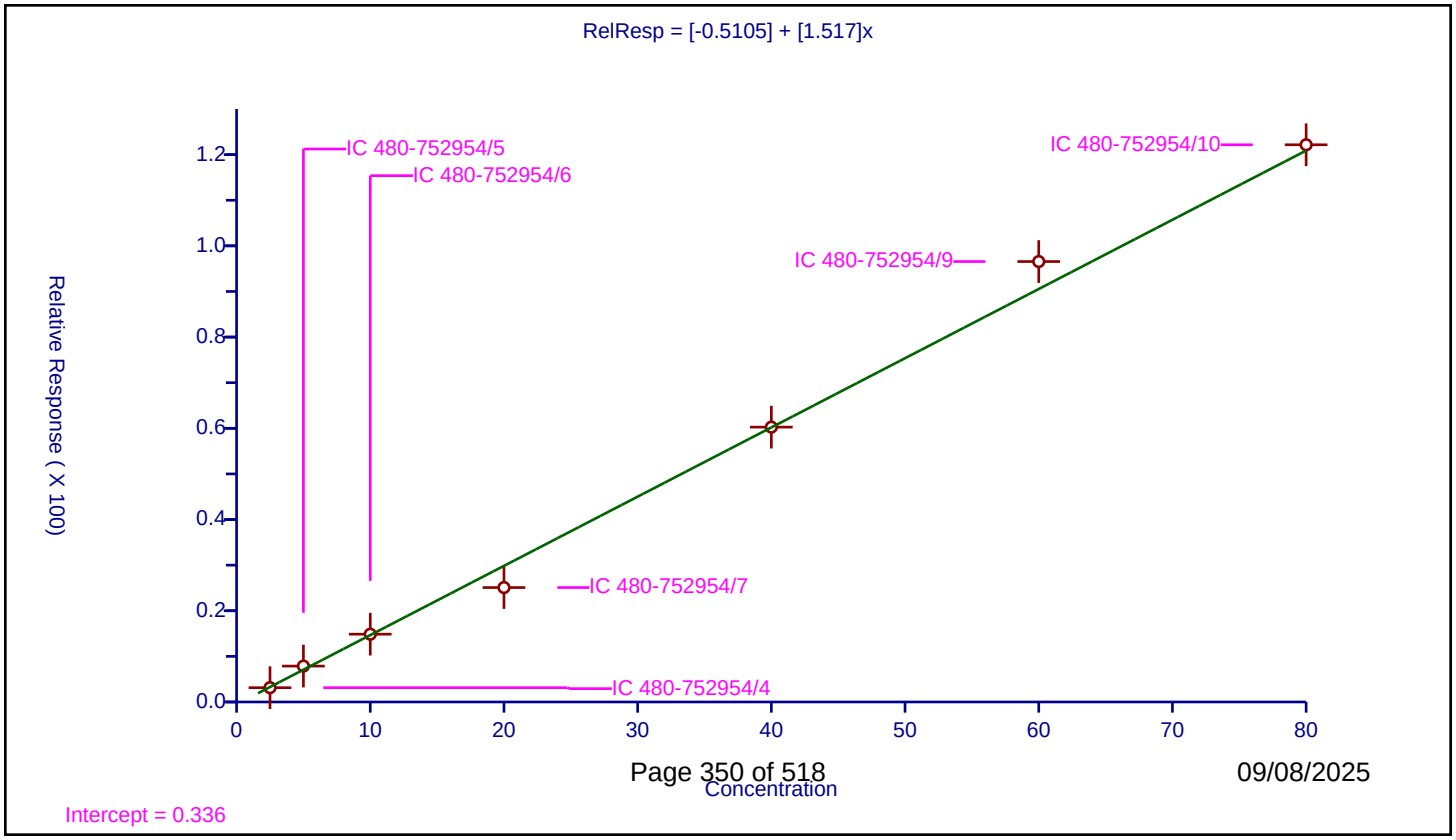
Curve Coefficients

Intercept:	-0.5105
Slope:	1.517

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.133777	40.0	168257.0	1.253511	Y
2	IC 480-752954/5	5.0	7.874547	40.0	161208.0	1.574909	Y
3	IC 480-752954/6	10.0	14.861392	40.0	177227.0	1.486139	Y
4	IC 480-752954/7	20.0	25.089551	40.0	156894.0	1.254478	Y
5	ICIS 480-752954/8	40.0	60.262386	40.0	165100.0	1.50656	Y
6	IC 480-752954/9	60.0	96.559595	40.0	162446.0	1.609327	Y
7	IC 480-752954/10	80.0	122.157815	40.0	169338.0	1.526973	Y



09/08/2025

Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

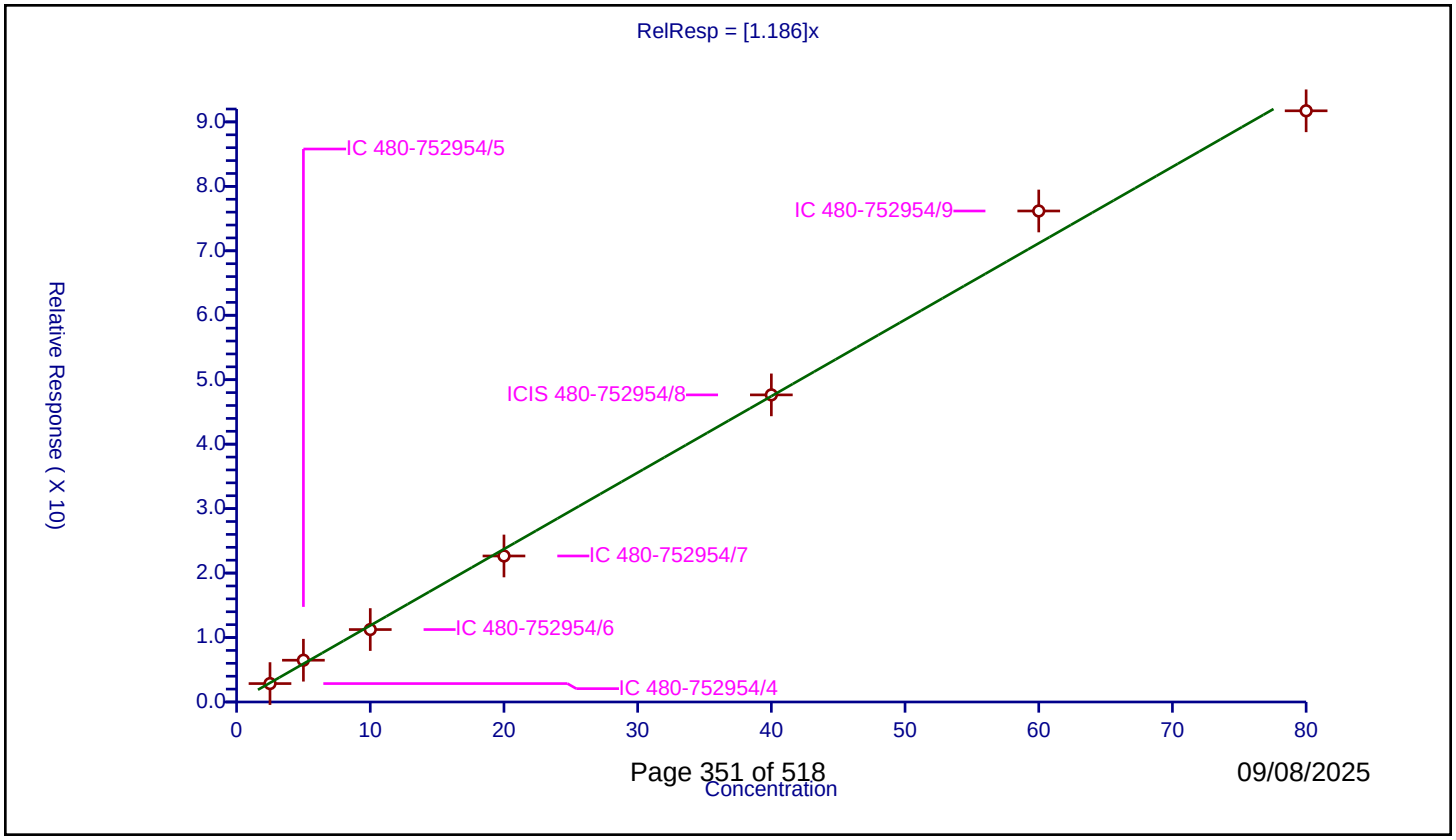
Curve Coefficients

Intercept:	0
Slope:	1.186

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.858009	40.0	168257.0	1.143204	Y
2	IC 480-752954/5	5.0	6.479083	40.0	161208.0	1.295817	Y
3	IC 480-752954/6	10.0	11.239145	40.0	177227.0	1.123915	Y
4	IC 480-752954/7	20.0	22.653256	40.0	156894.0	1.132663	Y
5	ICIS 480-752954/8	40.0	47.649182	40.0	165100.0	1.19123	Y
6	IC 480-752954/9	60.0	76.177684	40.0	162446.0	1.269628	Y
7	IC 480-752954/10	80.0	91.72259	40.0	169338.0	1.146532	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

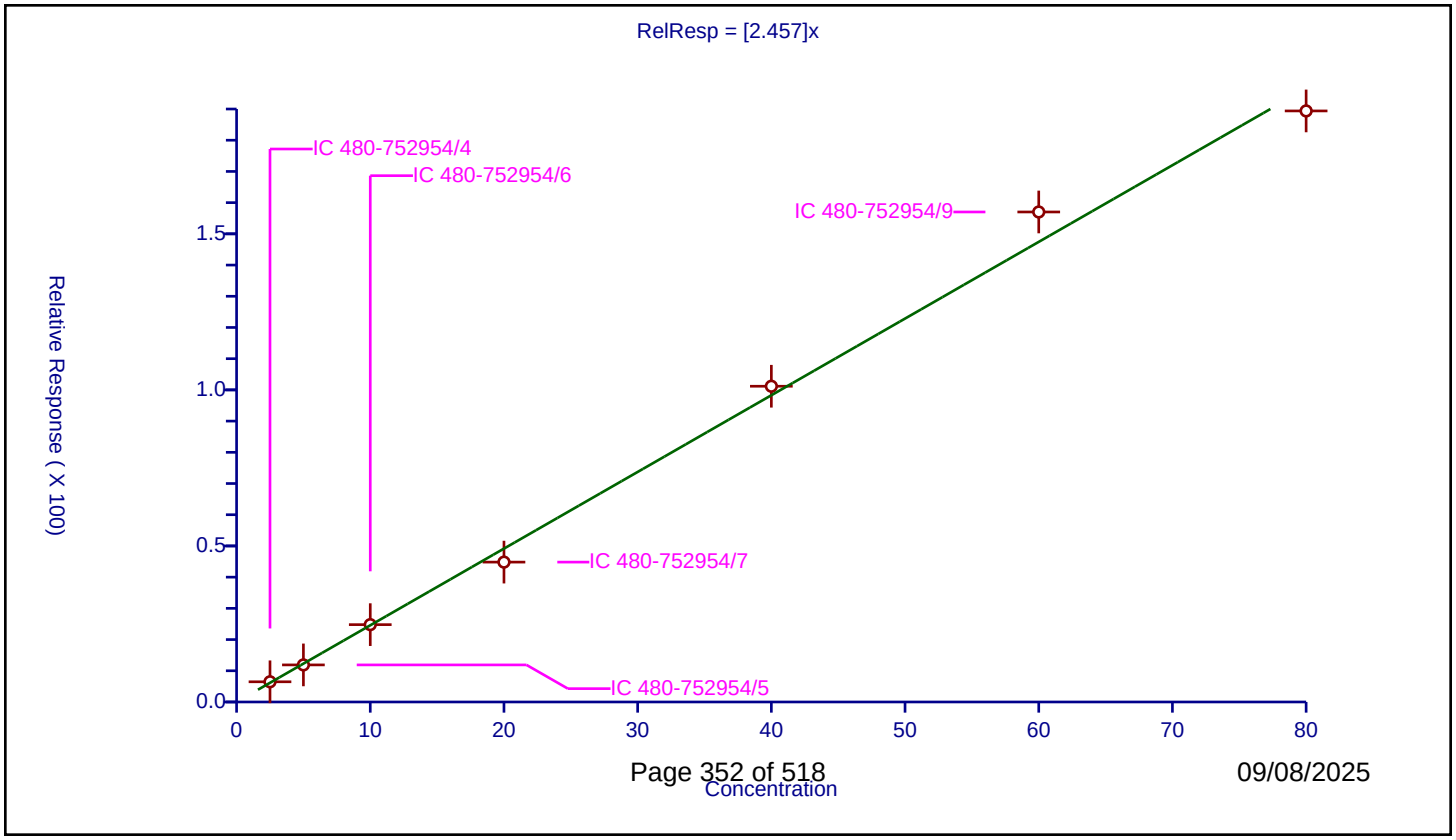
Curve Coefficients

Intercept:	0
Slope:	2.457

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	6.475808	40.0	168257.0	2.590323	Y
2	IC 480-752954/5	5.0	11.879311	40.0	161208.0	2.375862	Y
3	IC 480-752954/6	10.0	24.786291	40.0	177227.0	2.478629	Y
4	IC 480-752954/7	20.0	44.819305	40.0	156894.0	2.240965	Y
5	ICIS 480-752954/8	40.0	101.172865	40.0	165100.0	2.529322	Y
6	IC 480-752954/9	60.0	157.006513	40.0	162446.0	2.616775	Y
7	IC 480-752954/10	80.0	189.387143	40.0	169338.0	2.367339	Y



09/08/2025

Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

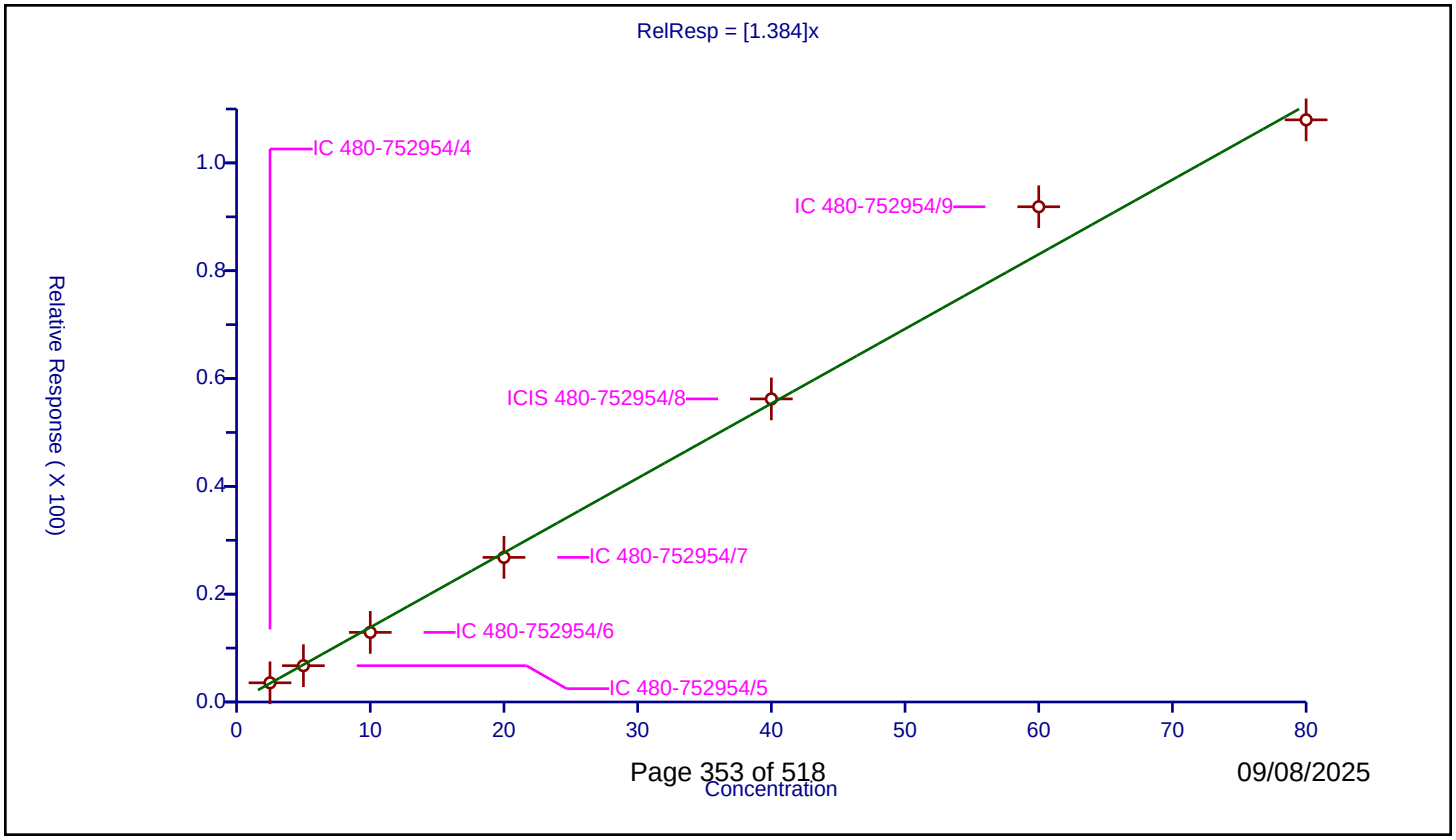
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.557415	40.0	168257.0	1.422966	Y
2	IC 480-752954/5	5.0	6.733165	40.0	161208.0	1.346633	Y
3	IC 480-752954/6	10.0	12.911577	40.0	177227.0	1.291158	Y
4	IC 480-752954/7	20.0	26.82346	40.0	156894.0	1.341173	Y
5	ICIS 480-752954/8	40.0	56.221442	40.0	165100.0	1.405536	Y
6	IC 480-752954/9	60.0	91.867574	40.0	162446.0	1.531126	Y
7	IC 480-752954/10	80.0	107.992063	40.0	169338.0	1.349901	Y



09/08/2025

Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

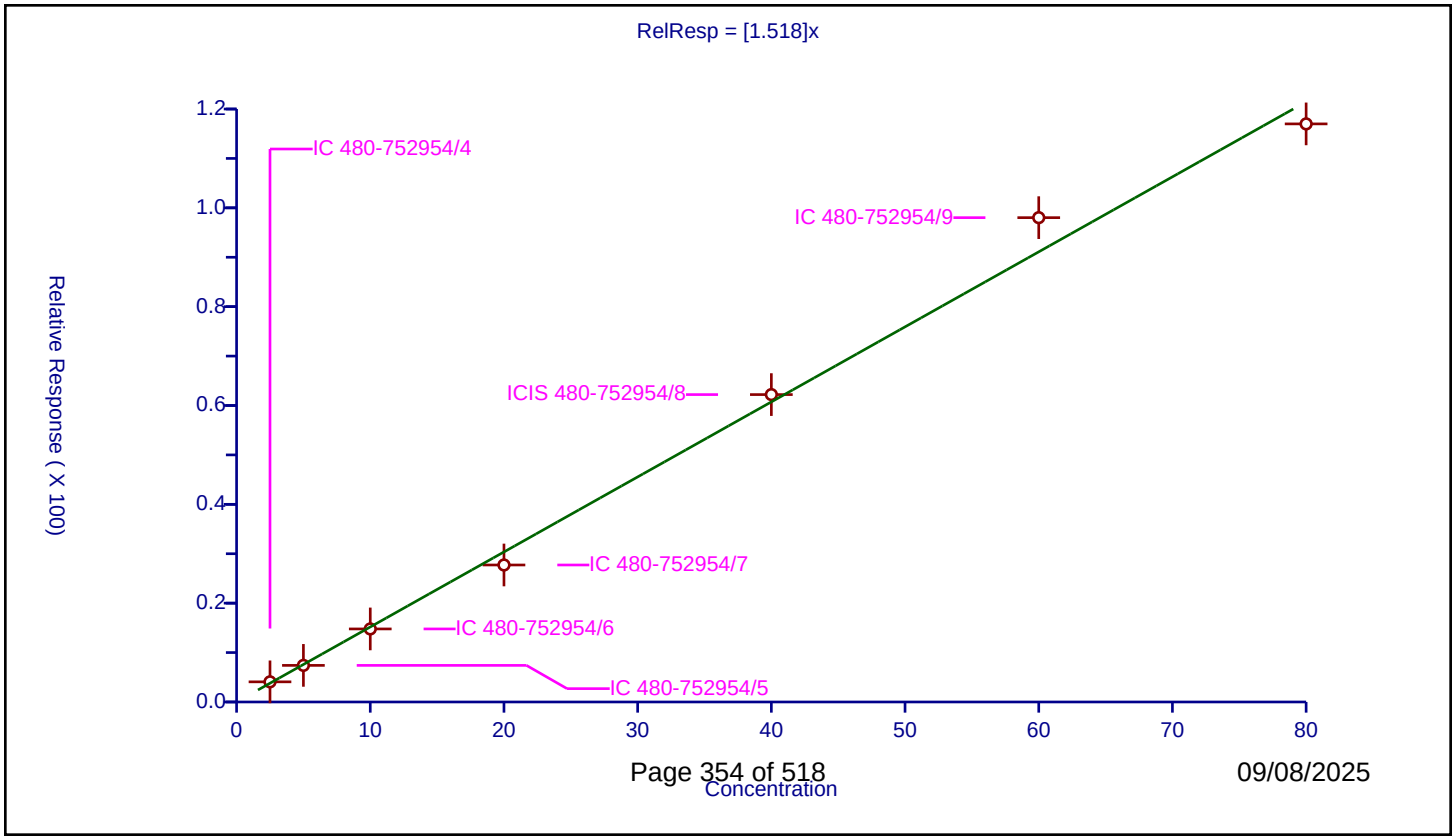
Curve Coefficients

Intercept:	0
Slope:	1.518

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	4.075432	40.0	168257.0	1.630173	Y
2	IC 480-752954/5	5.0	7.407573	40.0	161208.0	1.481515	Y
3	IC 480-752954/6	10.0	14.784429	40.0	177227.0	1.478443	Y
4	IC 480-752954/7	20.0	27.725726	40.0	156894.0	1.386286	Y
5	ICIS 480-752954/8	40.0	62.209812	40.0	165100.0	1.555245	Y
6	IC 480-752954/9	60.0	98.015587	40.0	162446.0	1.633593	Y
7	IC 480-752954/10	80.0	116.986382	40.0	169338.0	1.46233	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

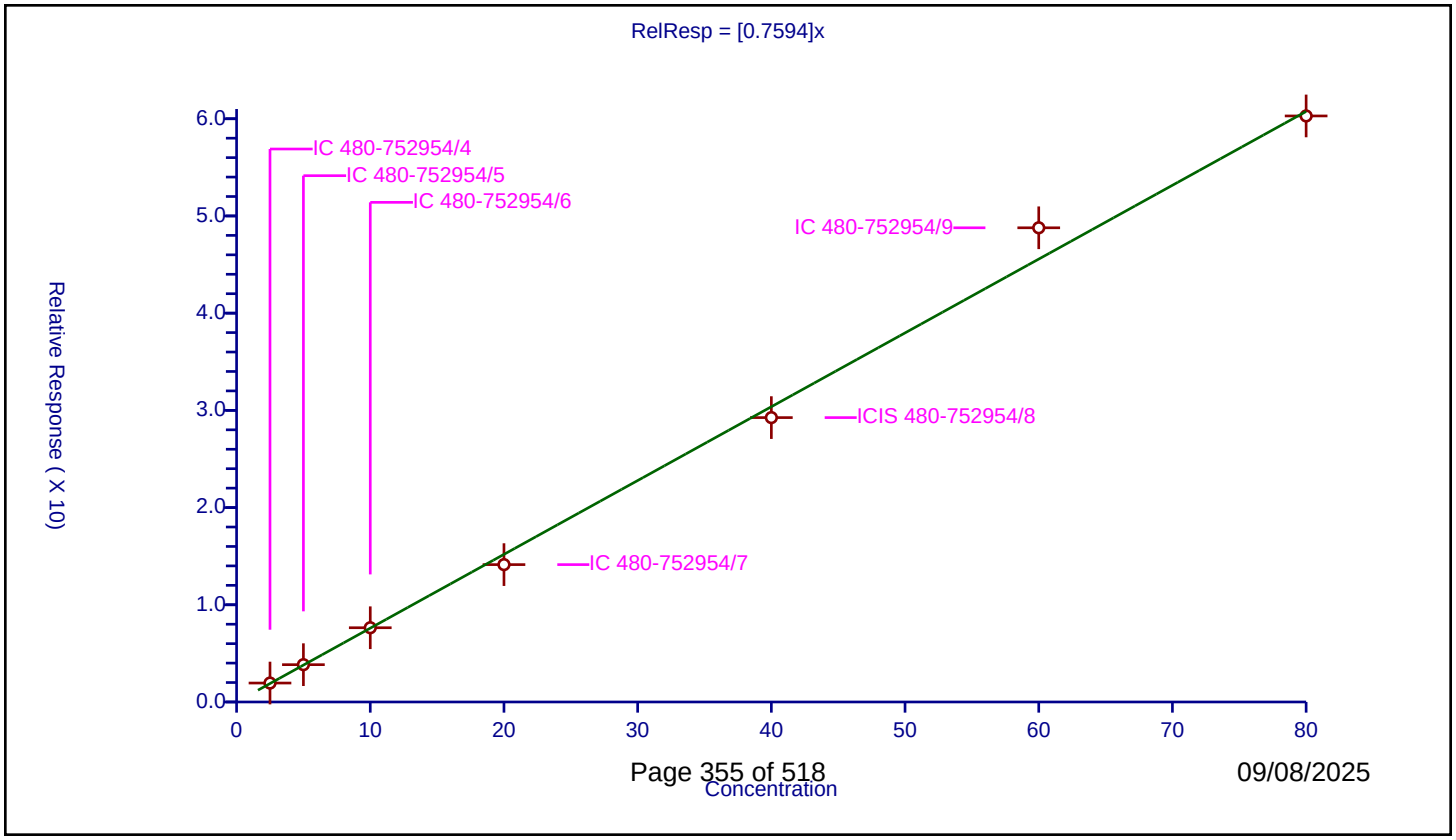
Curve Coefficients

Intercept:	0
Slope:	0.7594

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.947735	40.0	168257.0	0.779094	Y
2	IC 480-752954/5	5.0	3.83976	40.0	161208.0	0.767952	Y
3	IC 480-752954/6	10.0	7.637662	40.0	177227.0	0.763766	Y
4	IC 480-752954/7	20.0	14.133109	40.0	156894.0	0.706655	Y
5	ICIS 480-752954/8	40.0	29.254997	40.0	165100.0	0.731375	Y
6	IC 480-752954/9	60.0	48.782488	40.0	162446.0	0.813041	Y
7	IC 480-752954/10	80.0	60.285583	40.0	169338.0	0.75357	Y



09/08/2025

Calibration / Nitrobenzene-d5

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

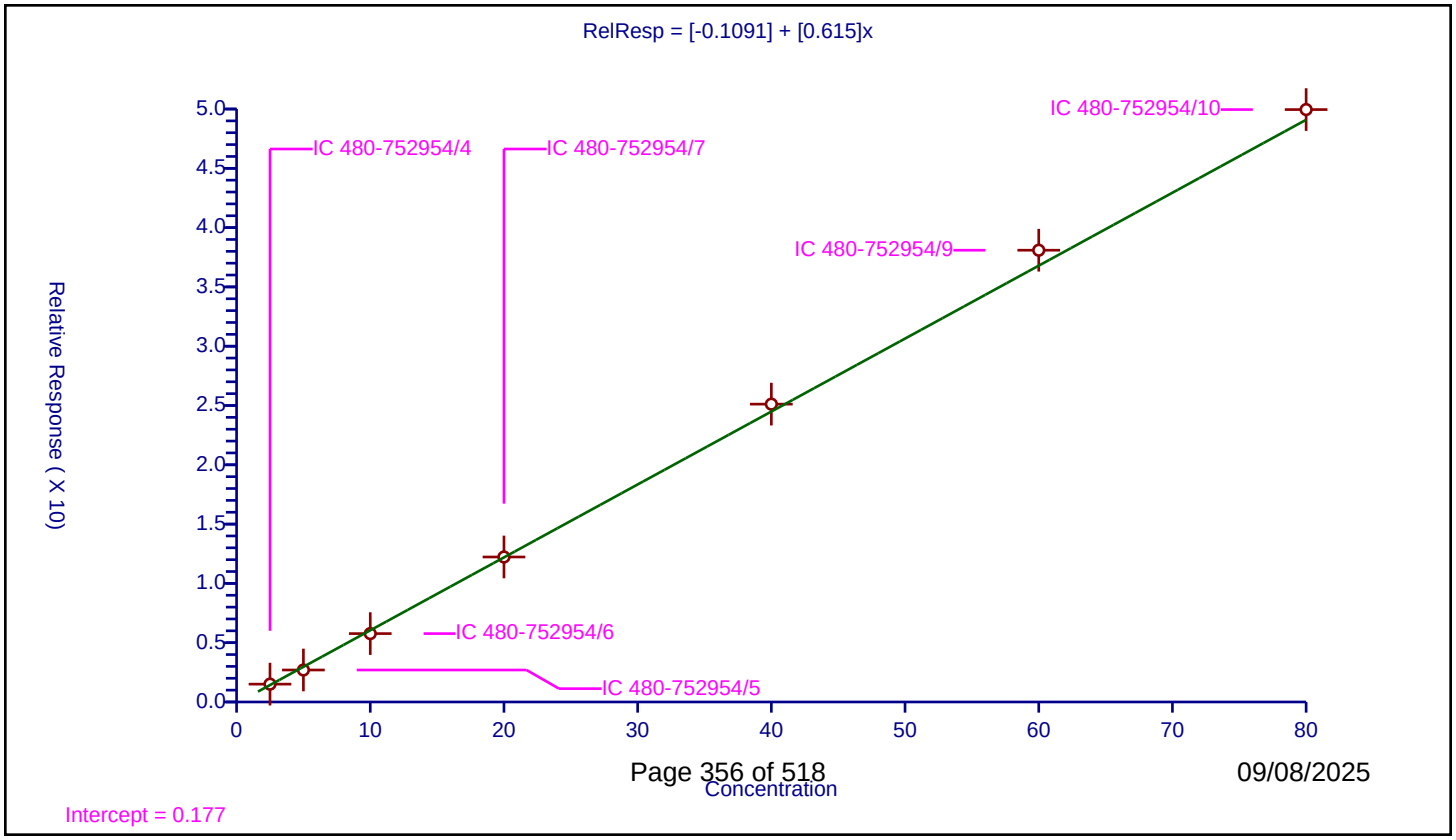
Curve Coefficients

Intercept:	-0.1091
Slope:	0.615

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.506505	40.0	561724.0	0.602602	Y
2	IC 480-752954/5	5.0	2.698174	40.0	555383.0	0.539635	Y
3	IC 480-752954/6	10.0	5.765421	40.0	611931.0	0.576542	Y
4	IC 480-752954/7	20.0	12.227235	40.0	514939.0	0.611362	Y
5	ICIS 480-752954/8	40.0	25.115527	40.0	572551.0	0.627888	Y
6	IC 480-752954/9	60.0	38.092801	40.0	607970.0	0.63488	Y
7	IC 480-752954/10	80.0	49.951798	40.0	583380.0	0.624397	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

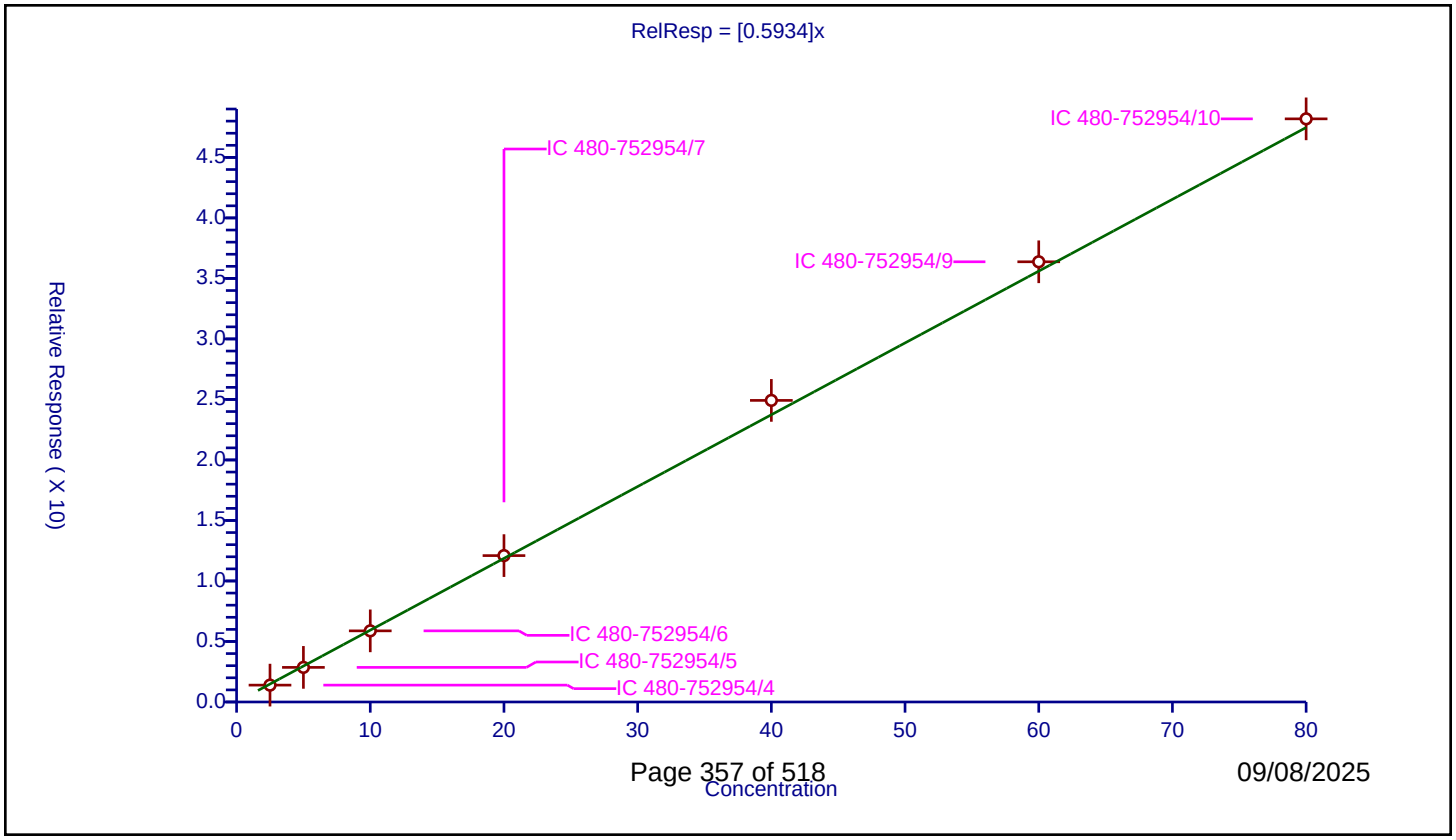
Curve Coefficients

Intercept:	0
Slope:	0.5934

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.393496	40.0	561724.0	0.557398	Y
2	IC 480-752954/5	5.0	2.859864	40.0	555383.0	0.571973	Y
3	IC 480-752954/6	10.0	5.878114	40.0	611931.0	0.587811	Y
4	IC 480-752954/7	20.0	12.096734	40.0	514939.0	0.604837	Y
5	ICIS 480-752954/8	40.0	24.921169	40.0	572551.0	0.623029	Y
6	IC 480-752954/9	60.0	36.374755	40.0	607970.0	0.606246	Y
7	IC 480-752954/10	80.0	48.186019	40.0	583380.0	0.602325	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

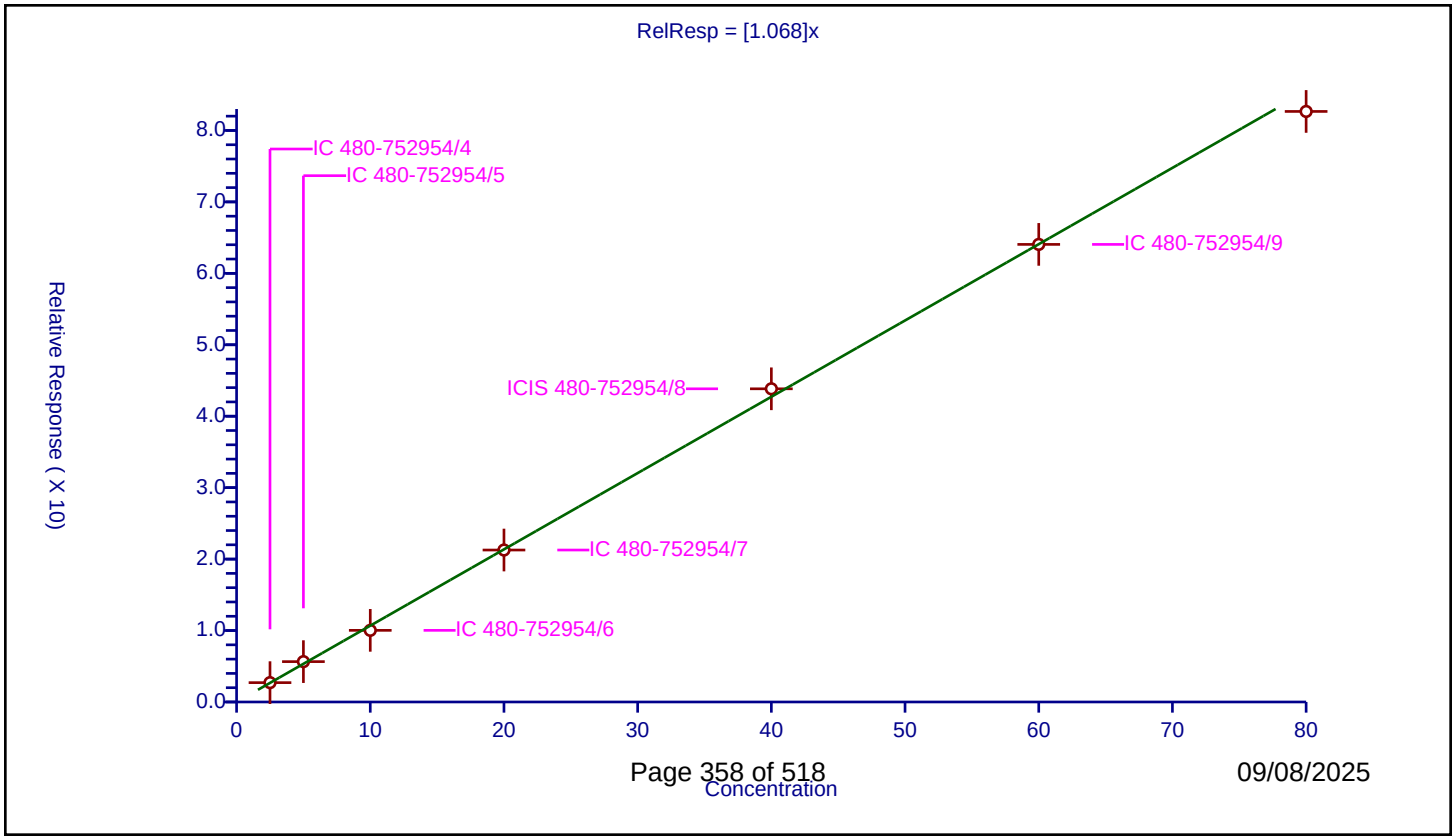
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.708448	40.0	561724.0	1.083379	Y
2	IC 480-752954/5	5.0	5.648354	40.0	555383.0	1.129671	Y
3	IC 480-752954/6	10.0	10.027013	40.0	611931.0	1.002701	Y
4	IC 480-752954/7	20.0	21.270791	40.0	514939.0	1.06354	Y
5	ICIS 480-752954/8	40.0	43.837632	40.0	572551.0	1.095941	Y
6	IC 480-752954/9	60.0	64.049147	40.0	607970.0	1.067486	Y
7	IC 480-752954/10	80.0	82.660153	40.0	583380.0	1.033252	Y



Calibration / 2-Nitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

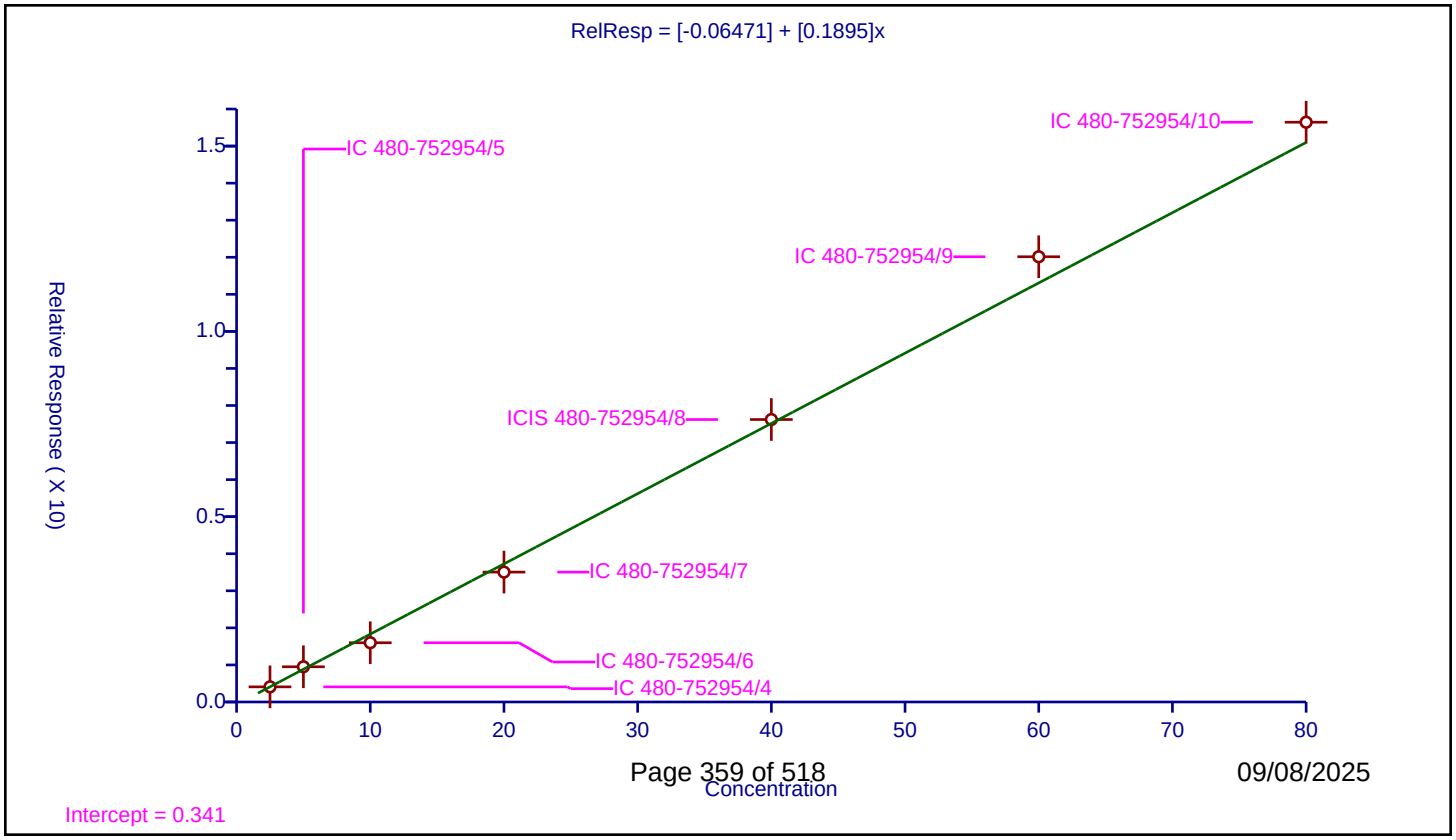
Curve Coefficients

Intercept:	-0.06471
Slope:	0.1895

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.408101	40.0	561724.0	0.16324	Y
2	IC 480-752954/5	5.0	0.950263	40.0	555383.0	0.190053	Y
3	IC 480-752954/6	10.0	1.598219	40.0	611931.0	0.159822	Y
4	IC 480-752954/7	20.0	3.504803	40.0	514939.0	0.17524	Y
5	ICIS 480-752954/8	40.0	7.622028	40.0	572551.0	0.190551	Y
6	IC 480-752954/9	60.0	12.013685	40.0	607970.0	0.200228	Y
7	IC 480-752954/10	80.0	15.643937	40.0	583380.0	0.195549	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

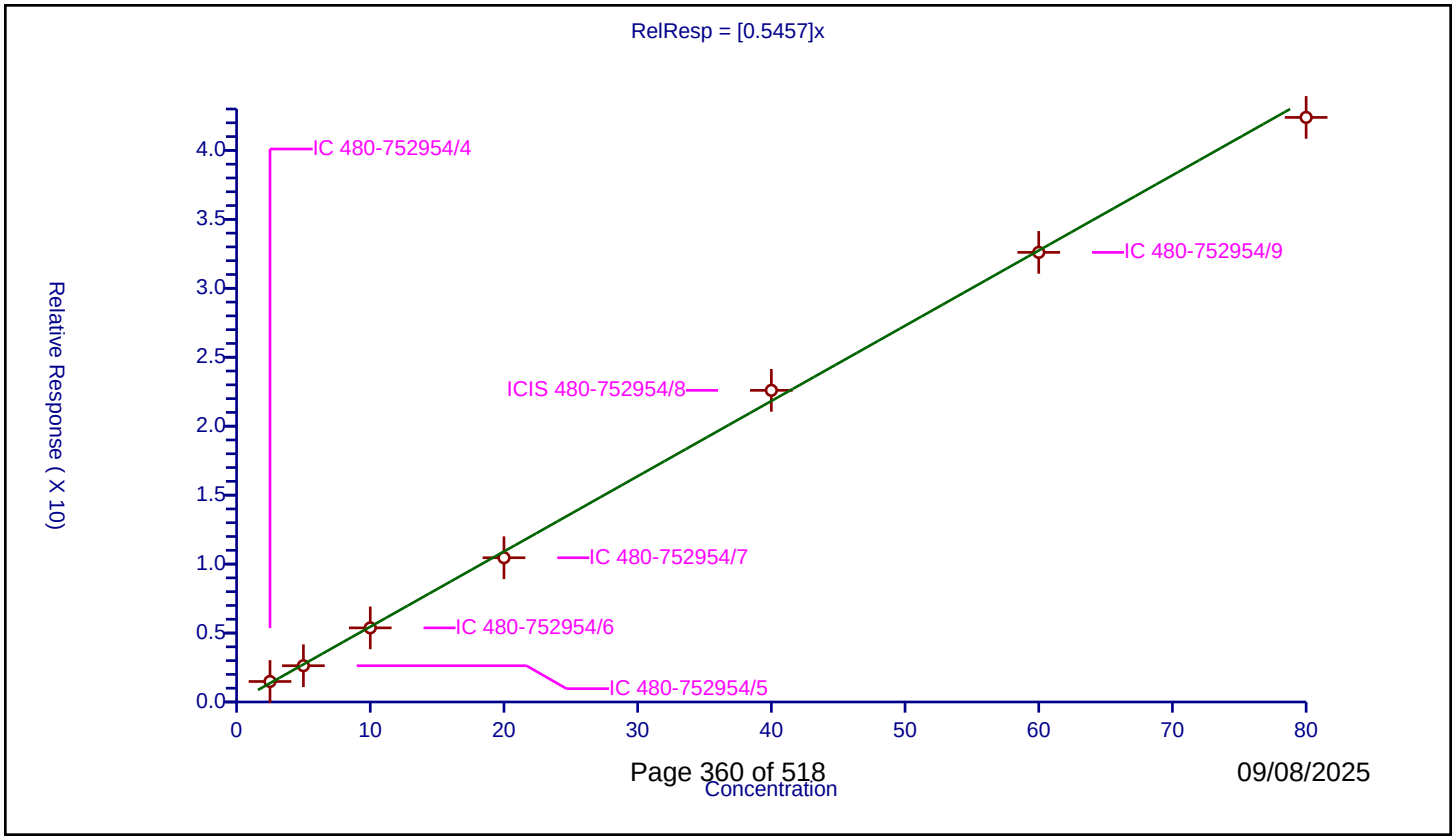
Curve Coefficients

Intercept:	0
Slope:	0.5457

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.486922	40.0	561724.0	0.594769	Y
2	IC 480-752954/5	5.0	2.629969	40.0	555383.0	0.525994	Y
3	IC 480-752954/6	10.0	5.374854	40.0	611931.0	0.537485	Y
4	IC 480-752954/7	20.0	10.461589	40.0	514939.0	0.523079	Y
5	ICIS 480-752954/8	40.0	22.599768	40.0	572551.0	0.564994	Y
6	IC 480-752954/9	60.0	32.604635	40.0	607970.0	0.543411	Y
7	IC 480-752954/10	80.0	42.391512	40.0	583380.0	0.529894	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

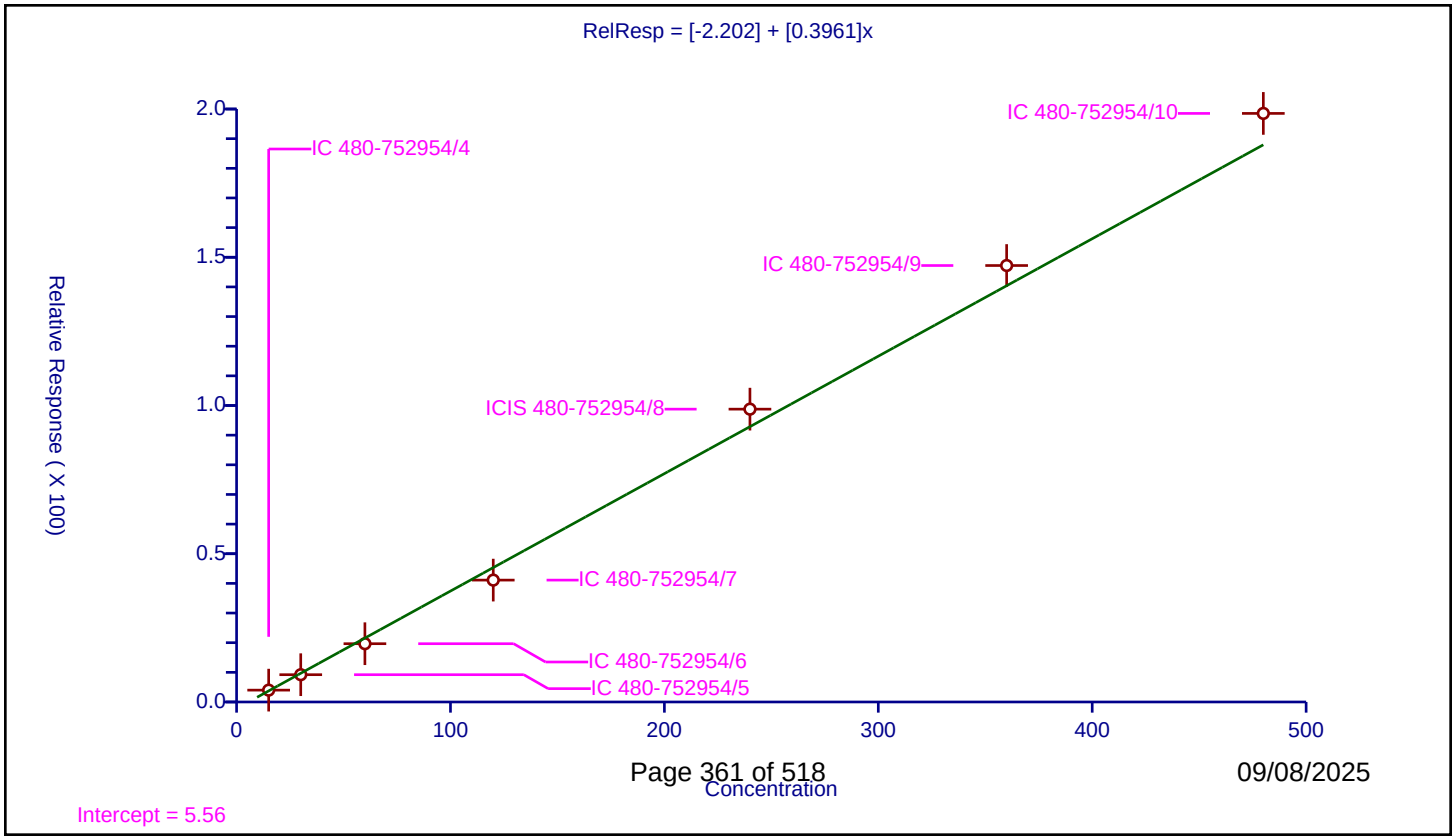
Curve Coefficients

Intercept:	-2.202
Slope:	0.3961

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	15.0	3.999188	40.0	561724.0	0.266613	Y
2	IC 480-752954/5	30.0	9.202874	40.0	555383.0	0.306762	Y
3	IC 480-752954/6	60.0	19.656661	40.0	611931.0	0.327611	Y
4	IC 480-752954/7	120.0	41.110967	40.0	514939.0	0.342591	Y
5	ICIS 480-752954/8	240.0	98.772127	40.0	572551.0	0.411551	Y
6	IC 480-752954/9	360.0	147.211277	40.0	607970.0	0.40892	Y
7	IC 480-752954/10	480.0	198.519456	40.0	583380.0	0.413582	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

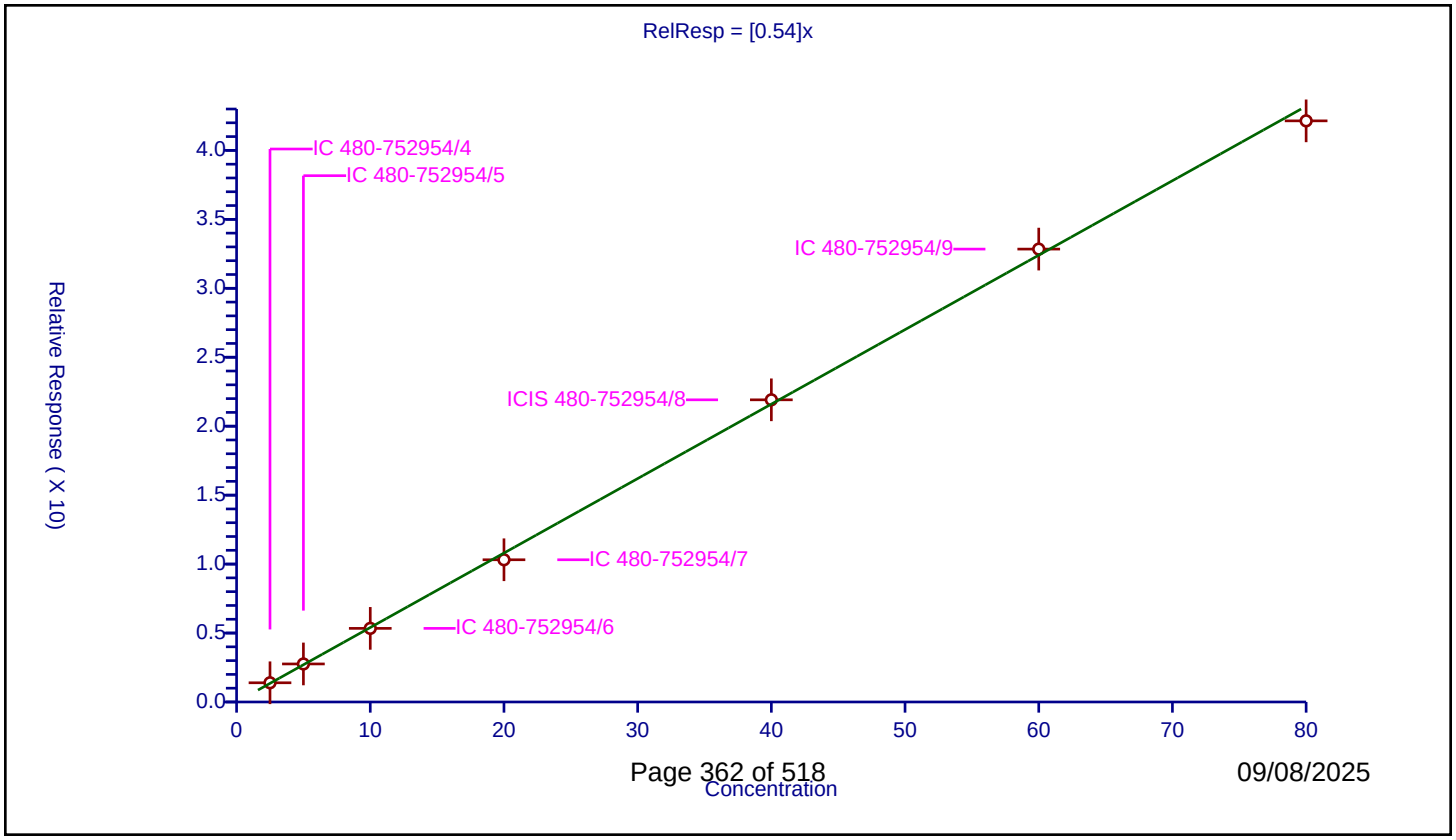
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.392499	40.0	561724.0	0.557	Y
2	IC 480-752954/5	5.0	2.758385	40.0	555383.0	0.551677	Y
3	IC 480-752954/6	10.0	5.338445	40.0	611931.0	0.533845	Y
4	IC 480-752954/7	20.0	10.313222	40.0	514939.0	0.515661	Y
5	ICIS 480-752954/8	40.0	21.912808	40.0	572551.0	0.54782	Y
6	IC 480-752954/9	60.0	32.841752	40.0	607970.0	0.547363	Y
7	IC 480-752954/10	80.0	42.140903	40.0	583380.0	0.526761	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

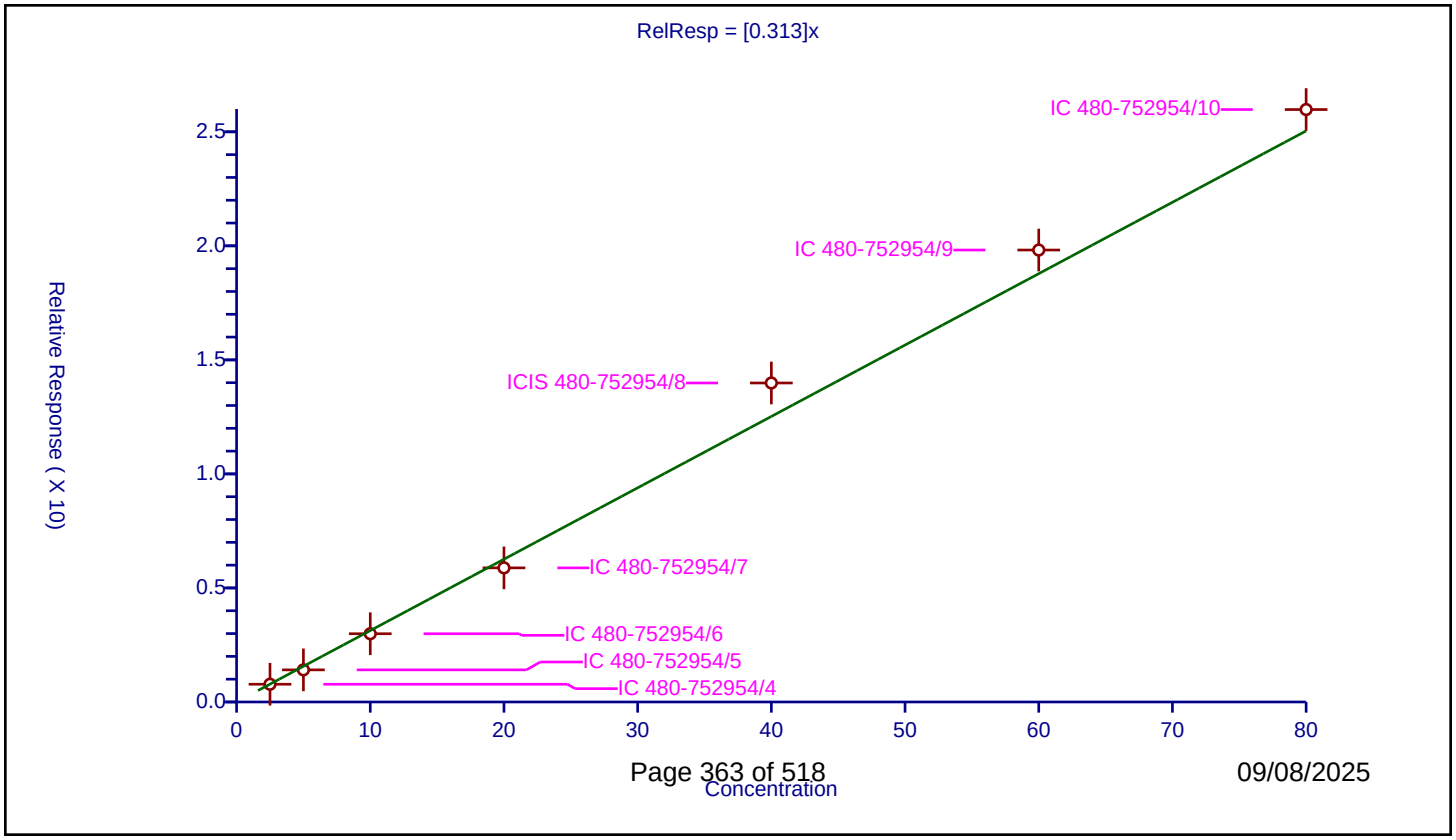
Curve Coefficients

Intercept:	0
Slope:	0.313

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.778389	40.0	561724.0	0.311356	Y
2	IC 480-752954/5	5.0	1.408902	40.0	555383.0	0.28178	Y
3	IC 480-752954/6	10.0	2.992298	40.0	611931.0	0.29923	Y
4	IC 480-752954/7	20.0	5.880153	40.0	514939.0	0.294008	Y
5	ICIS 480-752954/8	40.0	13.987156	40.0	572551.0	0.349679	Y
6	IC 480-752954/9	60.0	19.816701	40.0	607970.0	0.330278	Y
7	IC 480-752954/10	80.0	25.976825	40.0	583380.0	0.32471	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

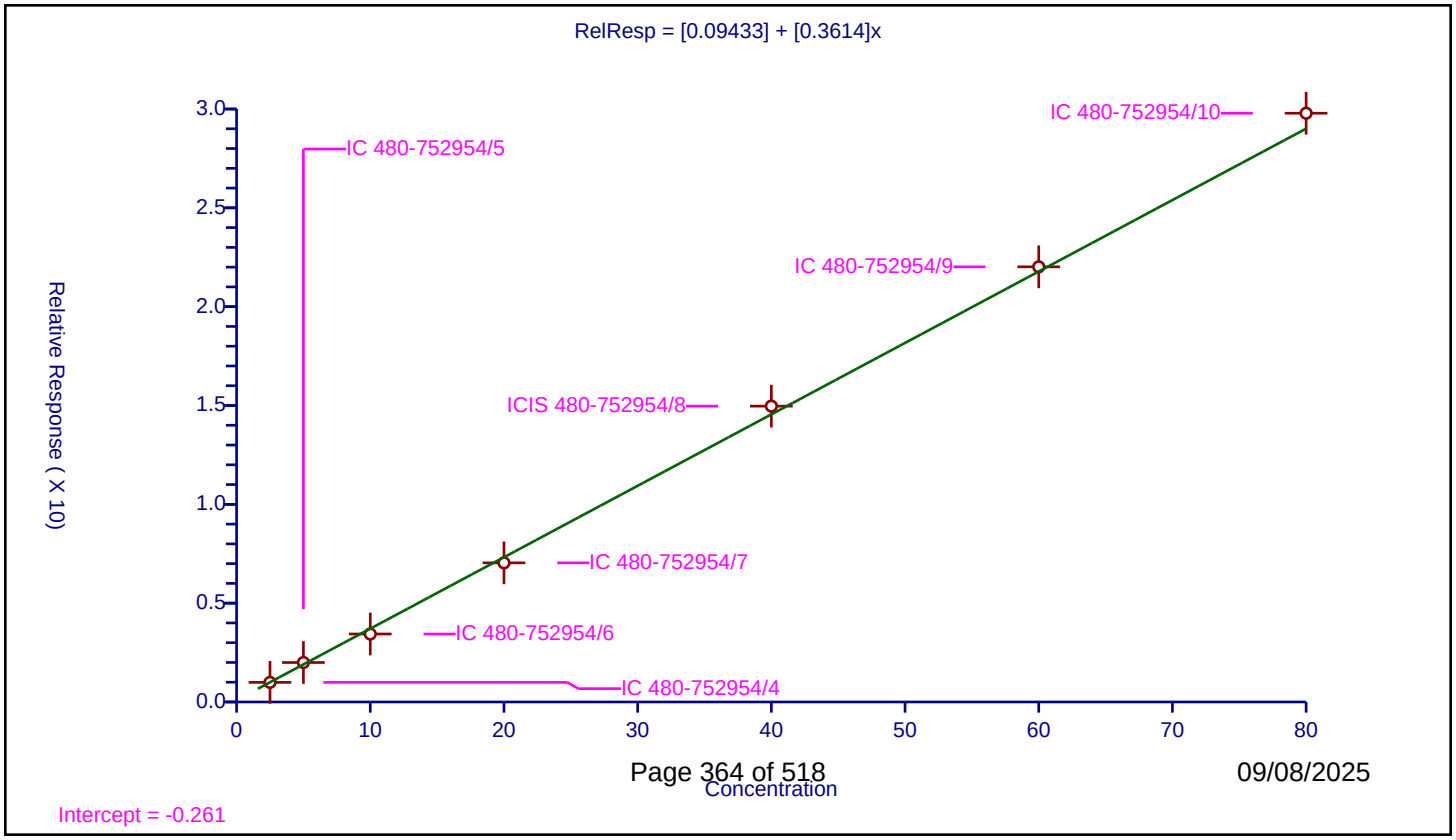
Curve Coefficients

Intercept:	0.09433
Slope:	0.3614

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.992445	40.0	561724.0	0.396978	Y
2	IC 480-752954/5	5.0	1.996748	40.0	555383.0	0.39935	Y
3	IC 480-752954/6	10.0	3.439277	40.0	611931.0	0.343928	Y
4	IC 480-752954/7	20.0	7.039669	40.0	514939.0	0.351983	Y
5	ICIS 480-752954/8	40.0	14.968588	40.0	572551.0	0.374215	Y
6	IC 480-752954/9	60.0	22.015494	40.0	607970.0	0.366925	Y
7	IC 480-752954/10	80.0	29.787034	40.0	583380.0	0.372338	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

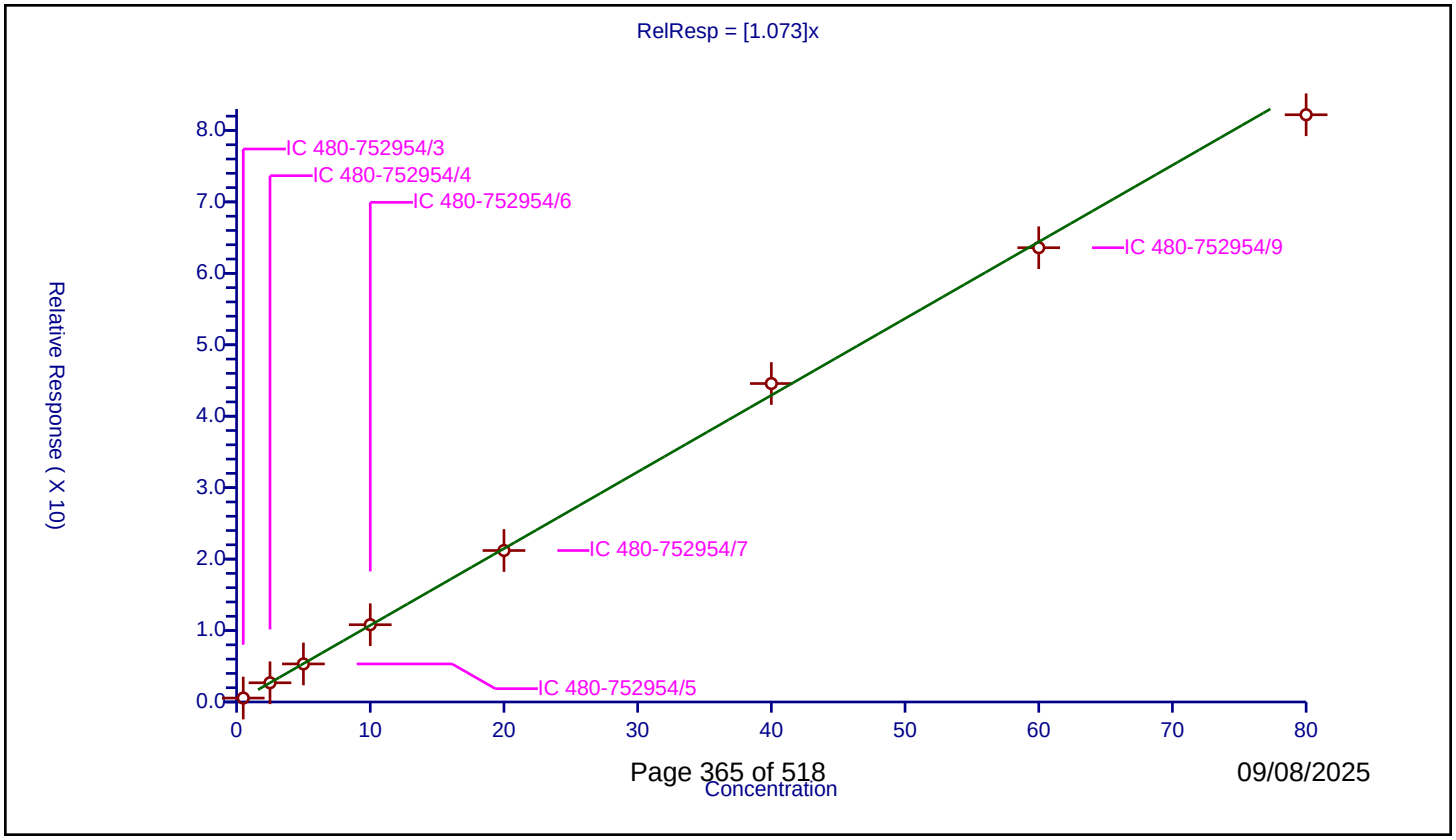
Curve Coefficients

Intercept:	0
Slope:	1.073

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.551173	40.0	547414.0	1.102347	Y
2	IC 480-752954/4	2.5	2.688865	40.0	561724.0	1.075546	Y
3	IC 480-752954/5	5.0	5.328071	40.0	555383.0	1.065614	Y
4	IC 480-752954/6	10.0	10.816644	40.0	611931.0	1.081664	Y
5	IC 480-752954/7	20.0	21.20391	40.0	514939.0	1.060195	Y
6	ICIS 480-752954/8	40.0	44.57671	40.0	572551.0	1.114418	Y
7	IC 480-752954/9	60.0	63.588072	40.0	607970.0	1.059801	Y
8	IC 480-752954/10	80.0	82.199047	40.0	583380.0	1.027488	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

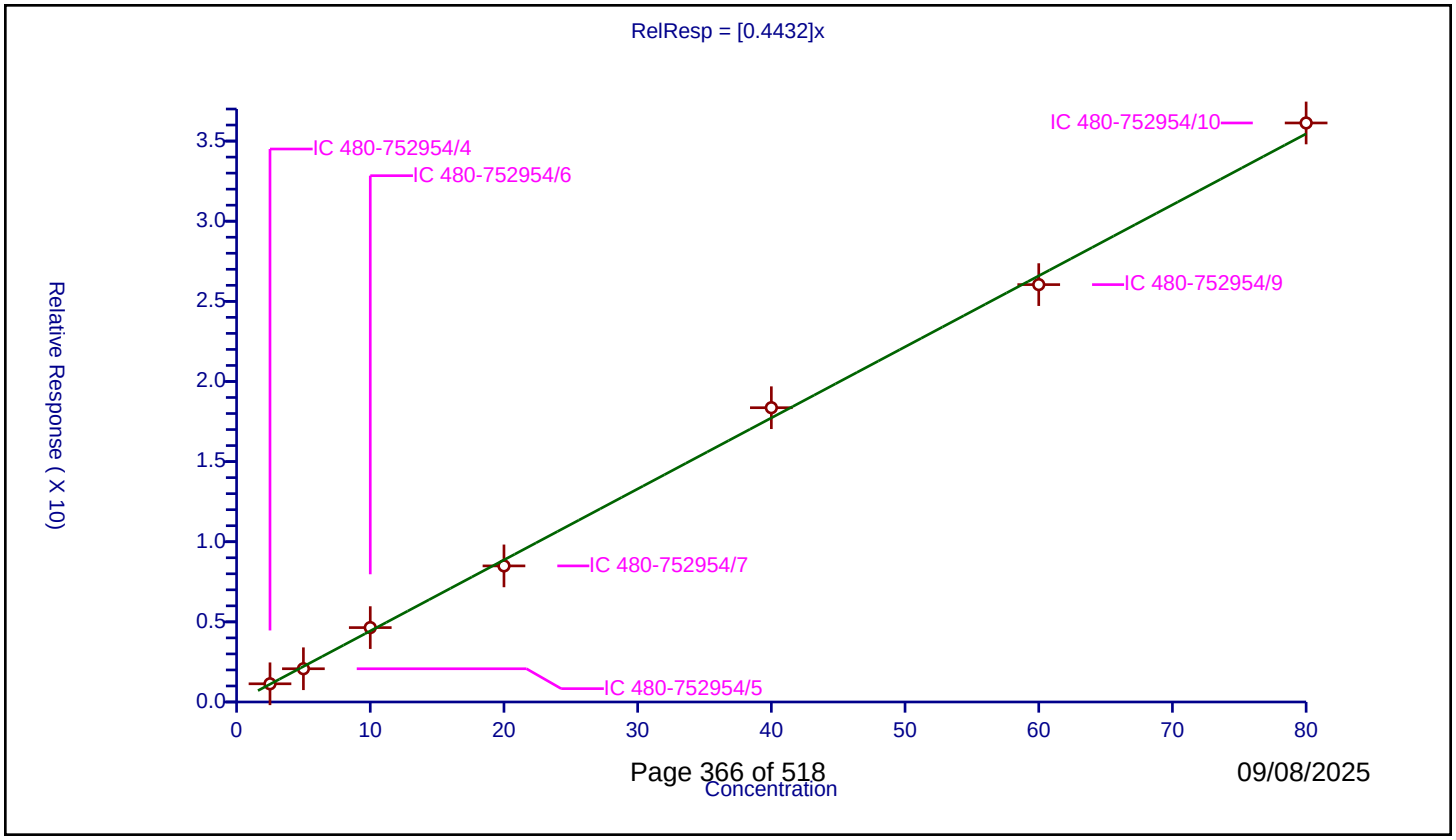
Curve Coefficients

Intercept:	0
Slope:	0.4432

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.134863	40.0	561724.0	0.453945	Y
2	IC 480-752954/5	5.0	2.074028	40.0	555383.0	0.414806	Y
3	IC 480-752954/6	10.0	4.641634	40.0	611931.0	0.464163	Y
4	IC 480-752954/7	20.0	8.491336	40.0	514939.0	0.424567	Y
5	ICIS 480-752954/8	40.0	18.362242	40.0	572551.0	0.459056	Y
6	IC 480-752954/9	60.0	26.043456	40.0	607970.0	0.434058	Y
7	IC 480-752954/10	80.0	36.129658	40.0	583380.0	0.451621	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

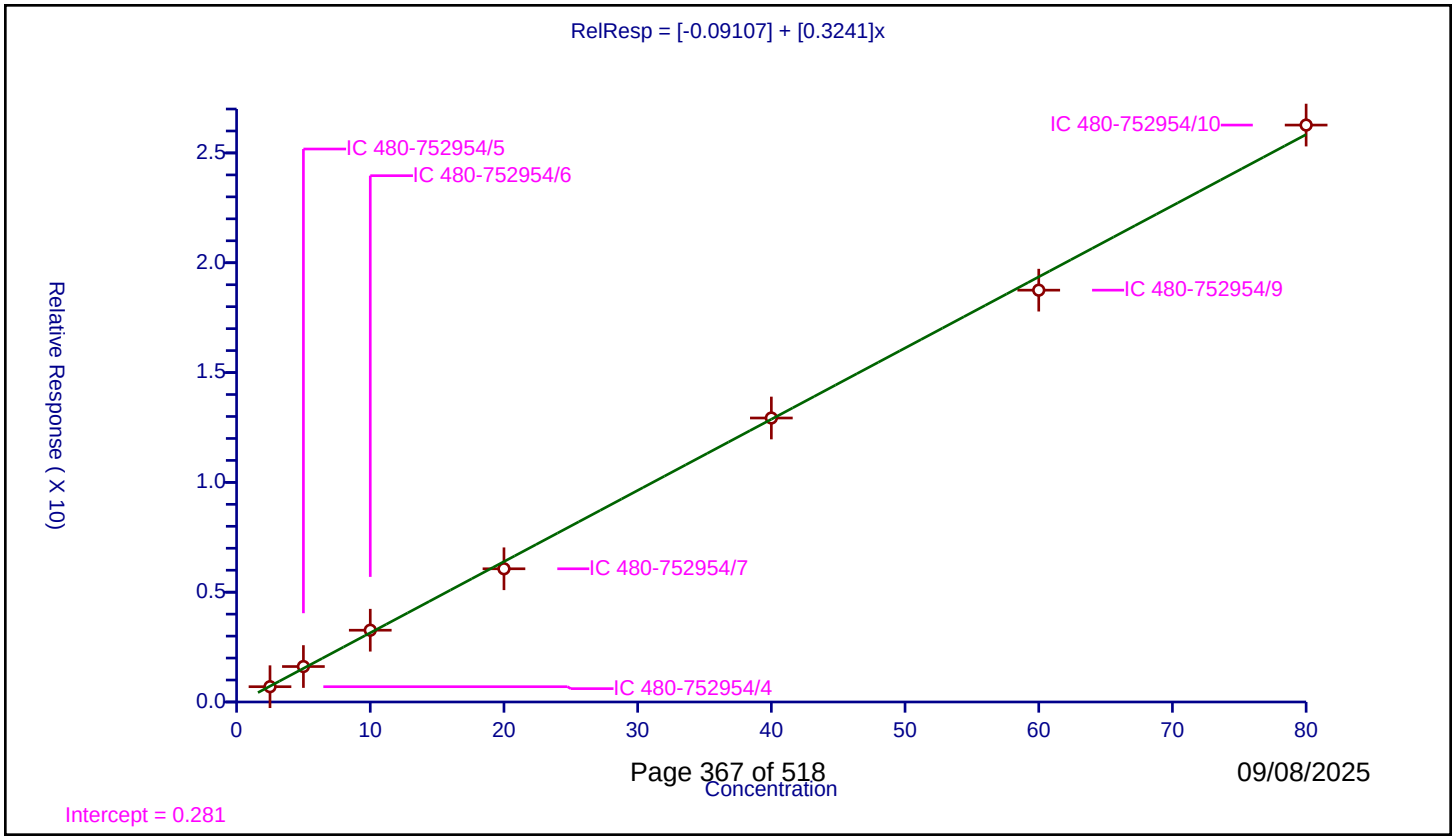
Curve Coefficients

Intercept:	-0.09107
Slope:	0.3241

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.696071	40.0	561724.0	0.278429	Y
2	IC 480-752954/5	5.0	1.614742	40.0	555383.0	0.322948	Y
3	IC 480-752954/6	10.0	3.268277	40.0	611931.0	0.326828	Y
4	IC 480-752954/7	20.0	6.065884	40.0	514939.0	0.303294	Y
5	ICIS 480-752954/8	40.0	12.930551	40.0	572551.0	0.323264	Y
6	IC 480-752954/9	60.0	18.752109	40.0	607970.0	0.312535	Y
7	IC 480-752954/10	80.0	26.268847	40.0	583380.0	0.328361	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

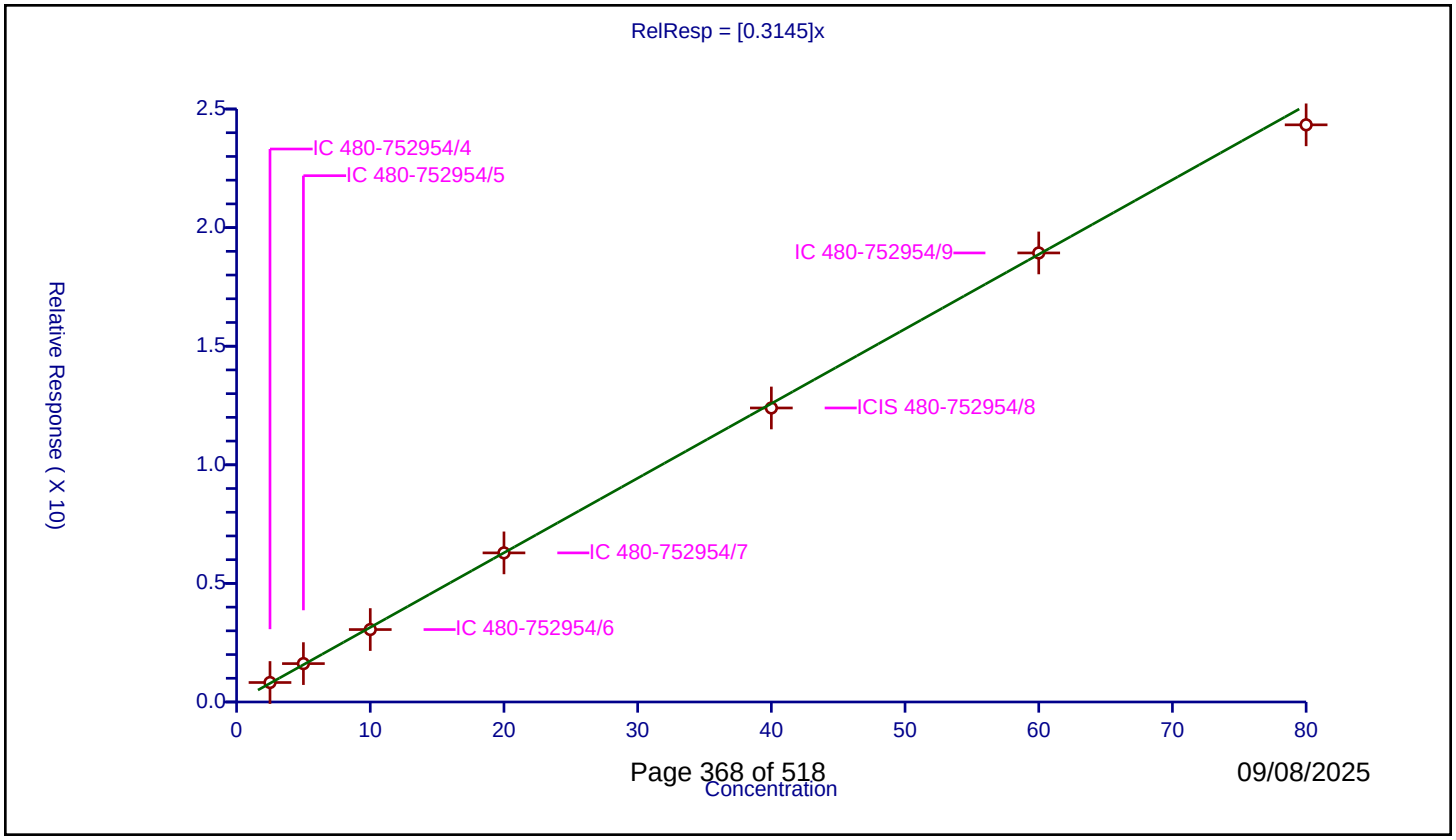
Curve Coefficients

Intercept:	0
Slope:	0.3145

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.821756	40.0	561724.0	0.328702	Y
2	IC 480-752954/5	5.0	1.618343	40.0	555383.0	0.323669	Y
3	IC 480-752954/6	10.0	3.053612	40.0	611931.0	0.305361	Y
4	IC 480-752954/7	20.0	6.286259	40.0	514939.0	0.314313	Y
5	ICIS 480-752954/8	40.0	12.395612	40.0	572551.0	0.30989	Y
6	IC 480-752954/9	60.0	18.932118	40.0	607970.0	0.315535	Y
7	IC 480-752954/10	80.0	24.333779	40.0	583380.0	0.304172	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

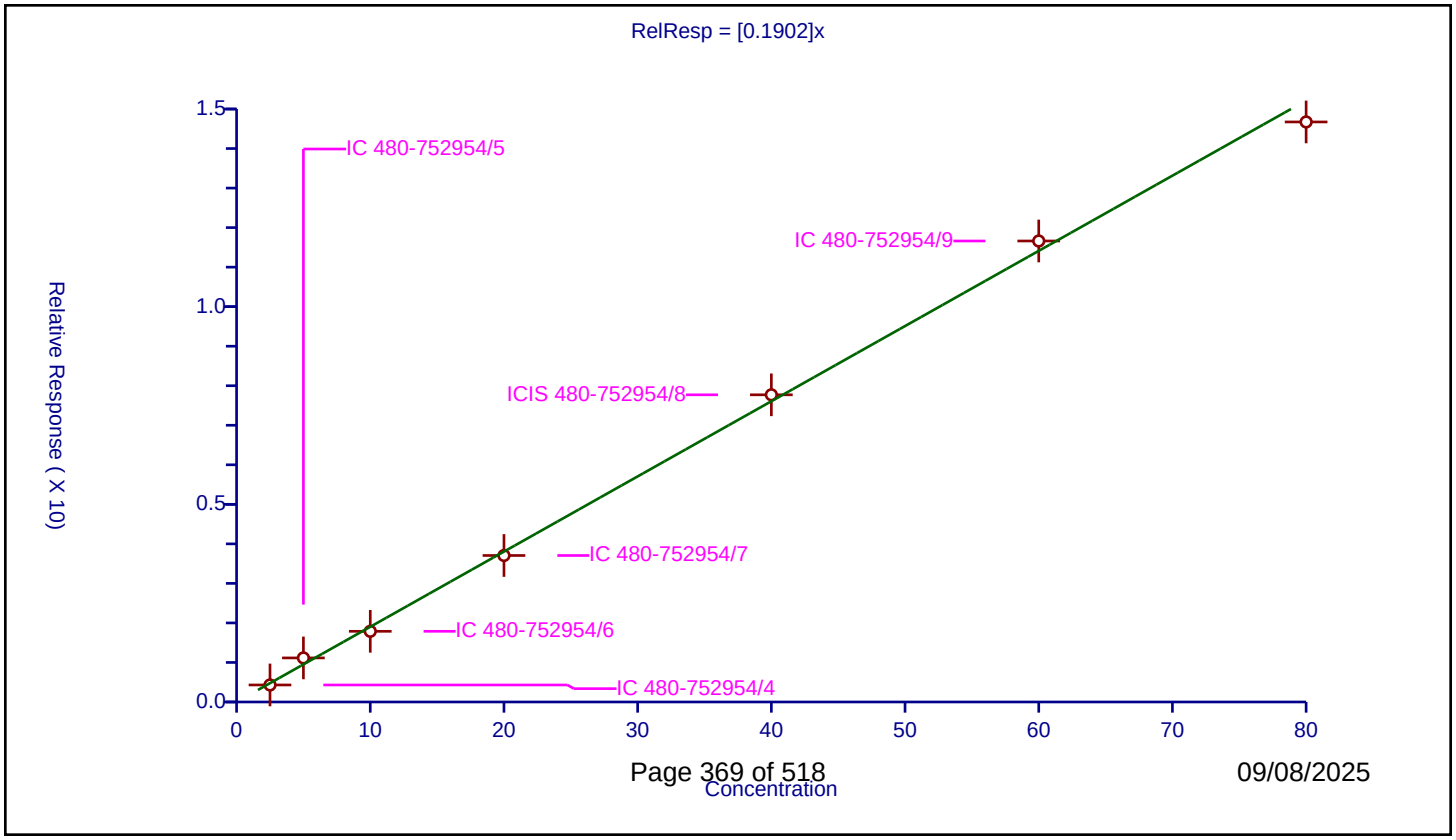
Curve Coefficients

Intercept:	0
Slope:	0.1902

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.430603	40.0	561724.0	0.172241	Y
2	IC 480-752954/5	5.0	1.114978	40.0	555383.0	0.222996	Y
3	IC 480-752954/6	10.0	1.787979	40.0	611931.0	0.178798	Y
4	IC 480-752954/7	20.0	3.705604	40.0	514939.0	0.18528	Y
5	ICIS 480-752954/8	40.0	7.770906	40.0	572551.0	0.194273	Y
6	IC 480-752954/9	60.0	11.661299	40.0	607970.0	0.194355	Y
7	IC 480-752954/10	80.0	14.673043	40.0	583380.0	0.183413	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

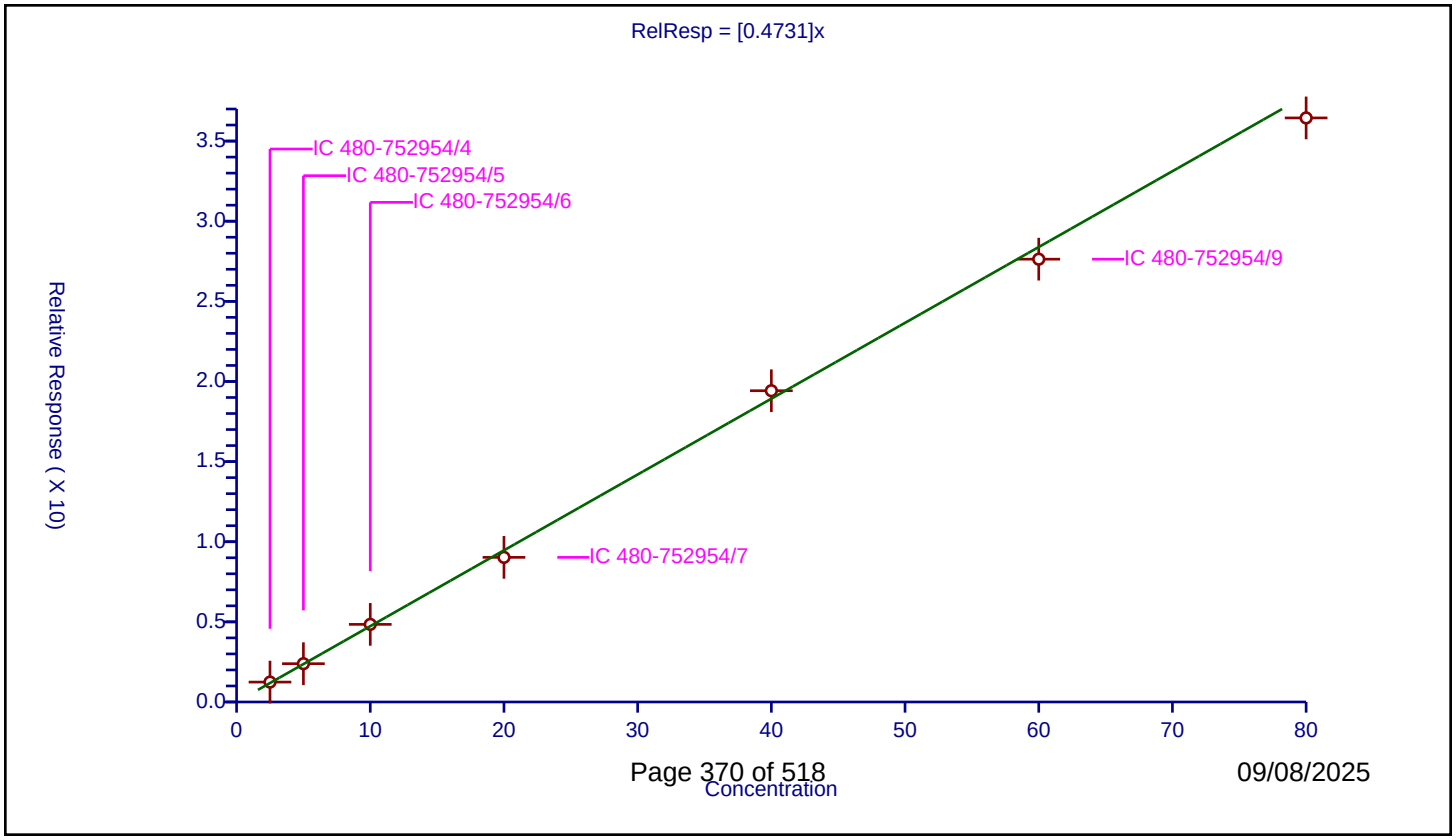
Curve Coefficients

Intercept:	0
Slope:	0.4731

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.242105	40.0	561724.0	0.496842	Y
2	IC 480-752954/5	5.0	2.389486	40.0	555383.0	0.477897	Y
3	IC 480-752954/6	10.0	4.843553	40.0	611931.0	0.484355	Y
4	IC 480-752954/7	20.0	9.023515	40.0	514939.0	0.451176	Y
5	ICIS 480-752954/8	40.0	19.42199	40.0	572551.0	0.48555	Y
6	IC 480-752954/9	60.0	27.630113	40.0	607970.0	0.460502	Y
7	IC 480-752954/10	80.0	36.44369	40.0	583380.0	0.455546	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

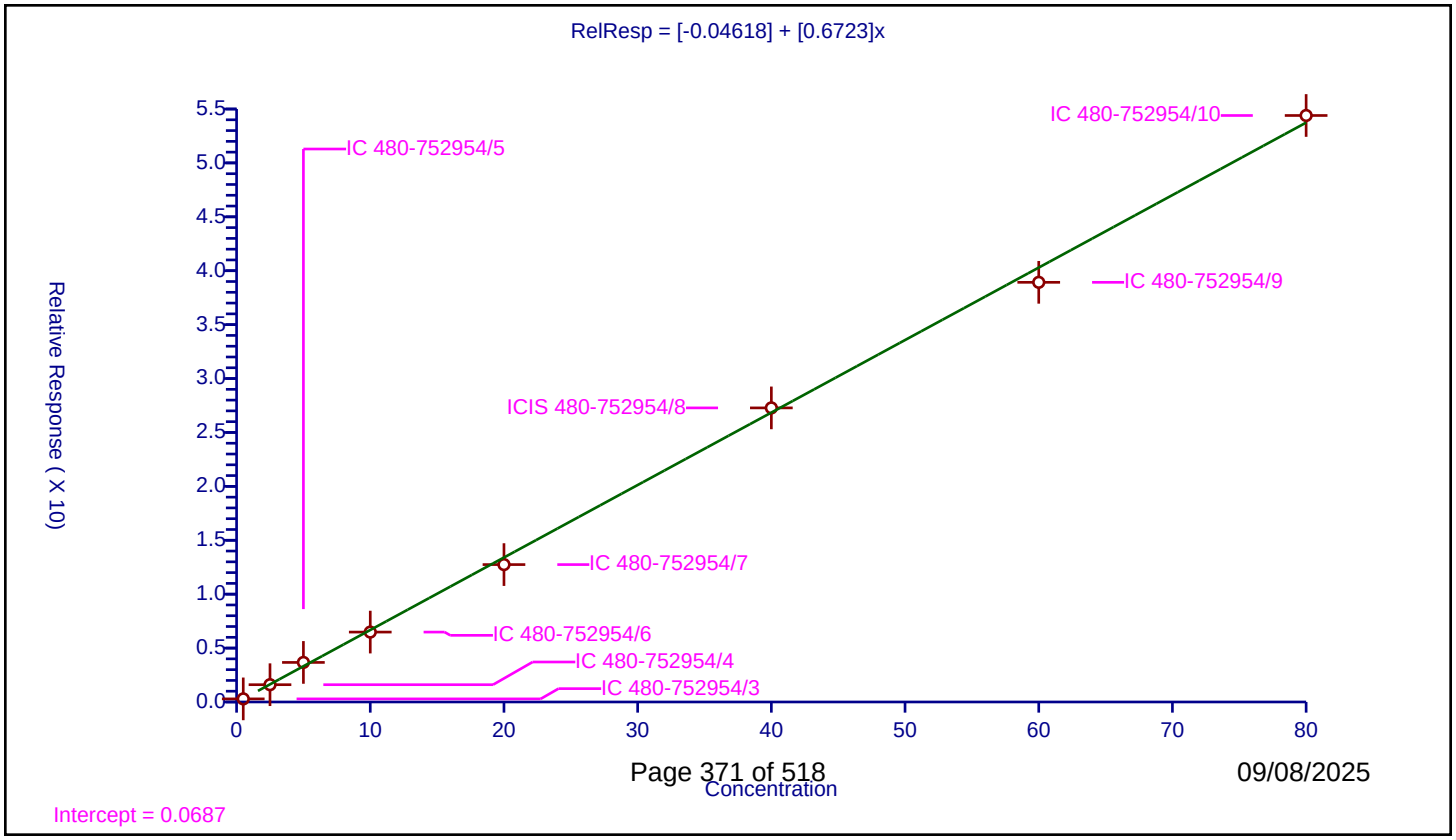
Curve Coefficients

Intercept:	-0.04618
Slope:	0.6723

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.288557	40.0	547414.0	0.577113	Y
2	IC 480-752954/4	2.5	1.603777	40.0	561724.0	0.641511	Y
3	IC 480-752954/5	5.0	3.670044	40.0	555383.0	0.734009	Y
4	IC 480-752954/6	10.0	6.48413	40.0	611931.0	0.648413	Y
5	IC 480-752954/7	20.0	12.744966	40.0	514939.0	0.637248	Y
6	ICIS 480-752954/8	40.0	27.27771	40.0	572551.0	0.681943	Y
7	IC 480-752954/9	60.0	38.925276	40.0	607970.0	0.648755	Y
8	IC 480-752954/10	80.0	54.398094	40.0	583380.0	0.679976	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

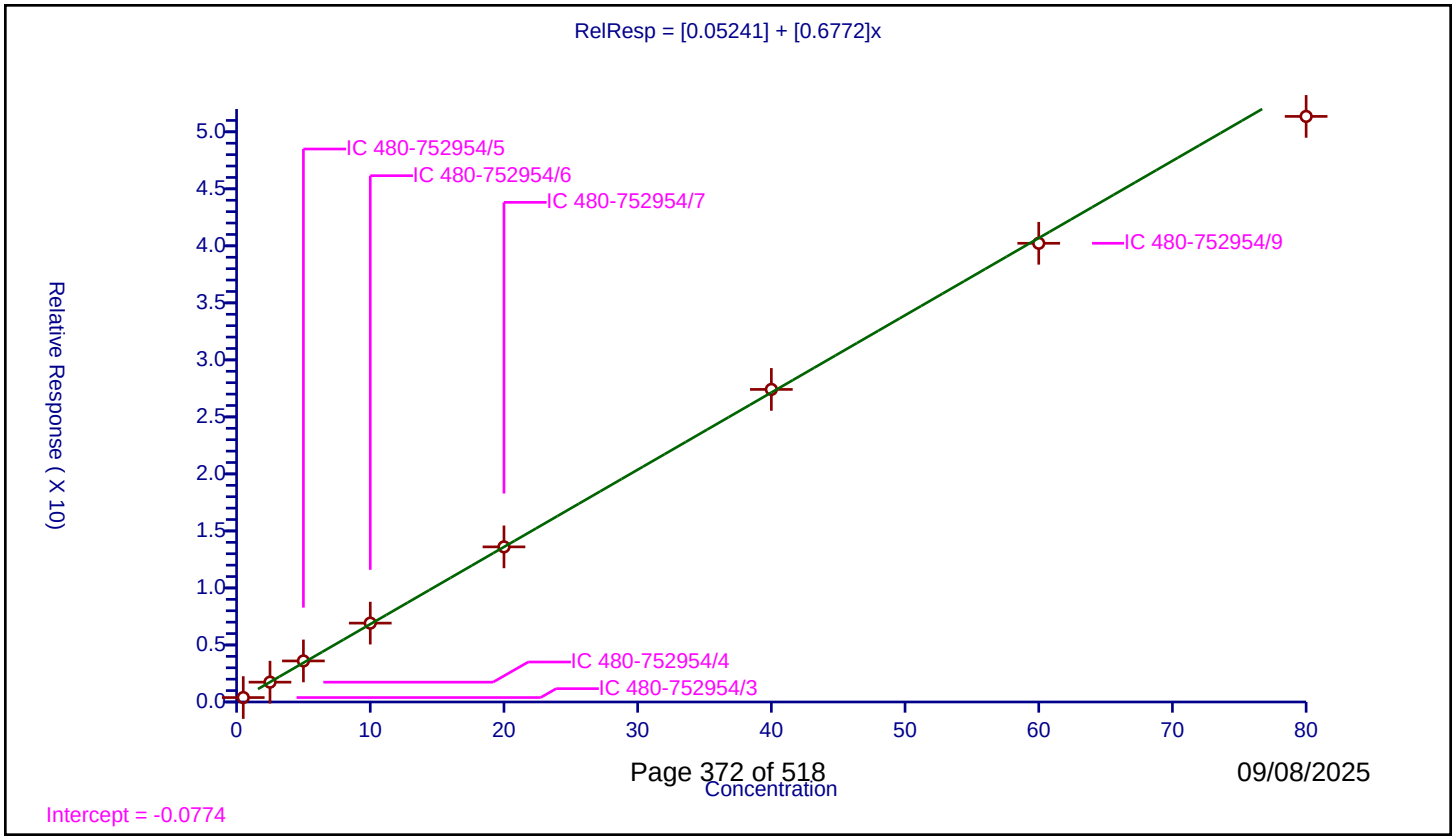
Curve Coefficients

Intercept:	0.05241
Slope:	0.6772

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.389468	40.0	547414.0	0.778935	Y
2	IC 480-752954/4	2.5	1.739431	40.0	561724.0	0.695772	Y
3	IC 480-752954/5	5.0	3.600614	40.0	555383.0	0.720123	Y
4	IC 480-752954/6	10.0	6.916989	40.0	611931.0	0.691699	Y
5	IC 480-752954/7	20.0	13.601766	40.0	514939.0	0.680088	Y
6	ICIS 480-752954/8	40.0	27.410659	40.0	572551.0	0.685266	Y
7	IC 480-752954/9	60.0	40.225406	40.0	607970.0	0.670423	Y
8	IC 480-752954/10	80.0	51.353355	40.0	583380.0	0.641917	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

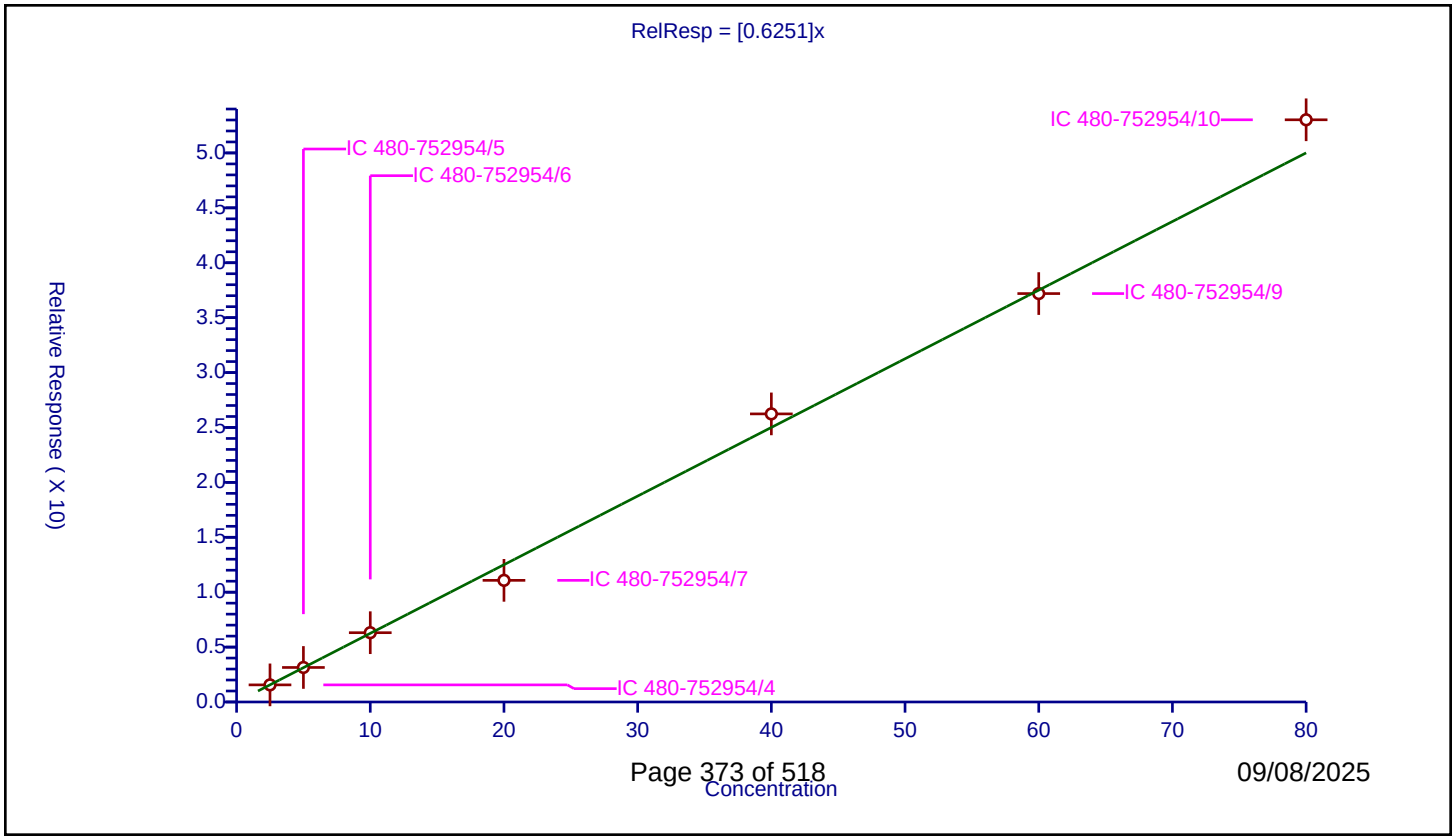
Curve Coefficients

Intercept:	0
Slope:	0.6251

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.557995	40.0	325444.0	0.623198	Y
2	IC 480-752954/5	5.0	3.144186	40.0	333250.0	0.628837	Y
3	IC 480-752954/6	10.0	6.311437	40.0	359411.0	0.631144	Y
4	IC 480-752954/7	20.0	11.077239	40.0	294178.0	0.553862	Y
5	ICIS 480-752954/8	40.0	26.235929	40.0	340780.0	0.655898	Y
6	IC 480-752954/9	60.0	37.193178	40.0	369628.0	0.619886	Y
7	IC 480-752954/10	80.0	53.01848	40.0	343822.0	0.662731	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

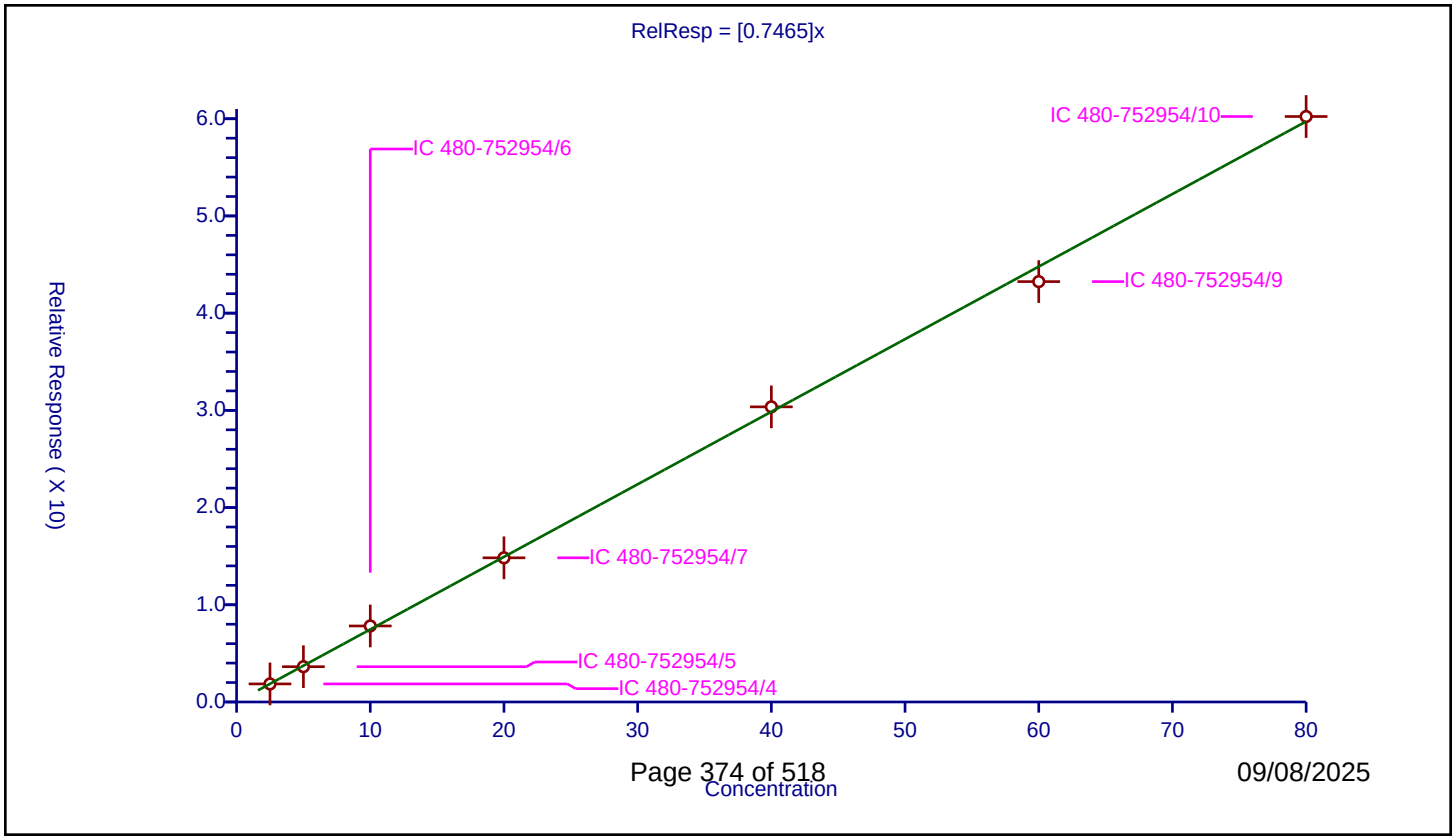
Curve Coefficients

Intercept:	0
Slope:	0.7465

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.858261	40.0	325444.0	0.743305	Y
2	IC 480-752954/5	5.0	3.630788	40.0	333250.0	0.726158	Y
3	IC 480-752954/6	10.0	7.81857	40.0	359411.0	0.781857	Y
4	IC 480-752954/7	20.0	14.831021	40.0	294178.0	0.741551	Y
5	ICIS 480-752954/8	40.0	30.361054	40.0	340780.0	0.759026	Y
6	IC 480-752954/9	60.0	43.245533	40.0	369628.0	0.720759	Y
7	IC 480-752954/10	80.0	60.228025	40.0	343822.0	0.75285	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

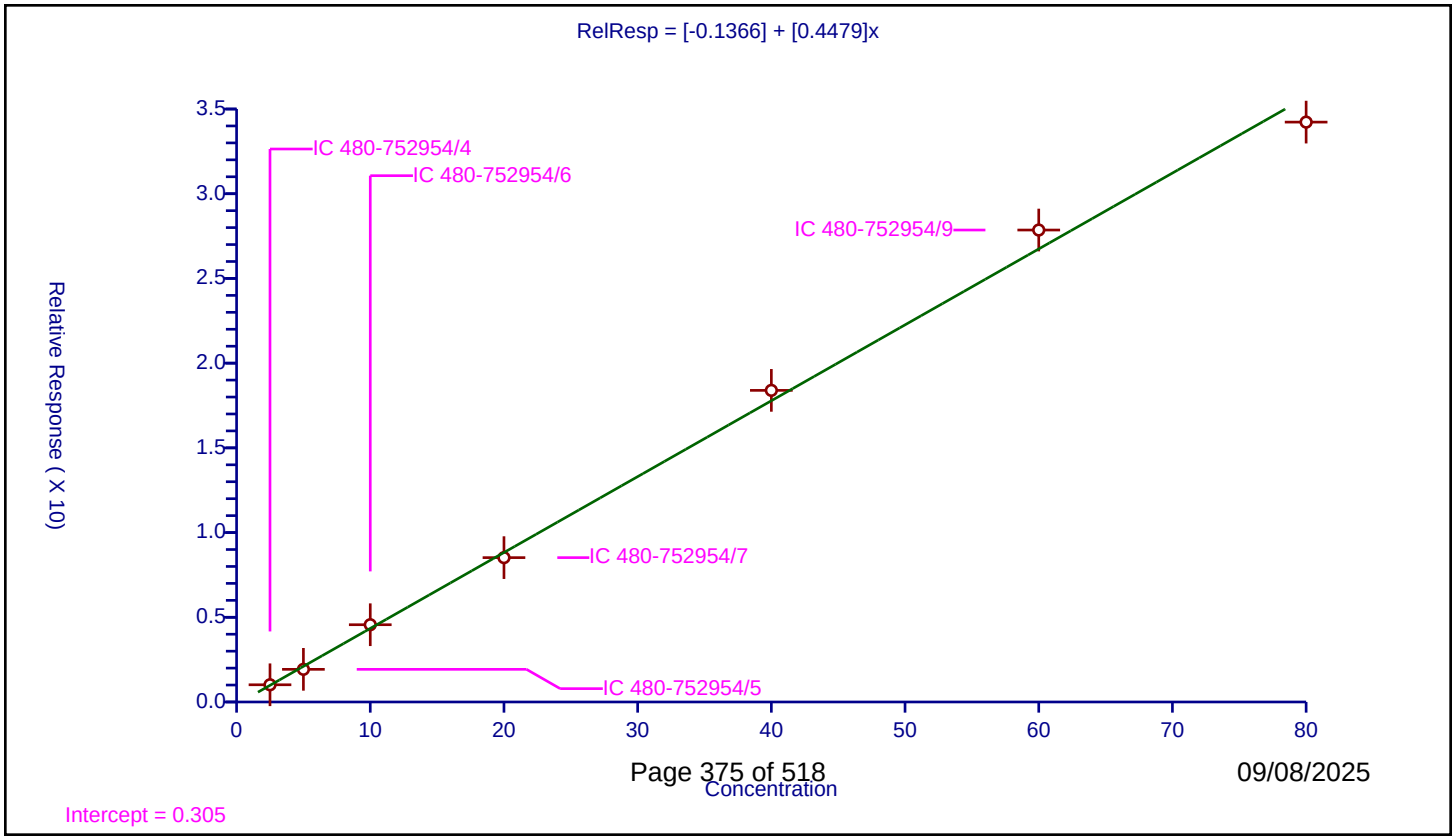
Curve Coefficients

Intercept:	-0.1366
Slope:	0.4479

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.015351	40.0	325444.0	0.406141	Y
2	IC 480-752954/5	5.0	1.927322	40.0	333250.0	0.385464	Y
3	IC 480-752954/6	10.0	4.561352	40.0	359411.0	0.456135	Y
4	IC 480-752954/7	20.0	8.52042	40.0	294178.0	0.426021	Y
5	ICIS 480-752954/8	40.0	18.392863	40.0	340780.0	0.459822	Y
6	IC 480-752954/9	60.0	27.85763	40.0	369628.0	0.464294	Y
7	IC 480-752954/10	80.0	34.226896	40.0	343822.0	0.427836	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

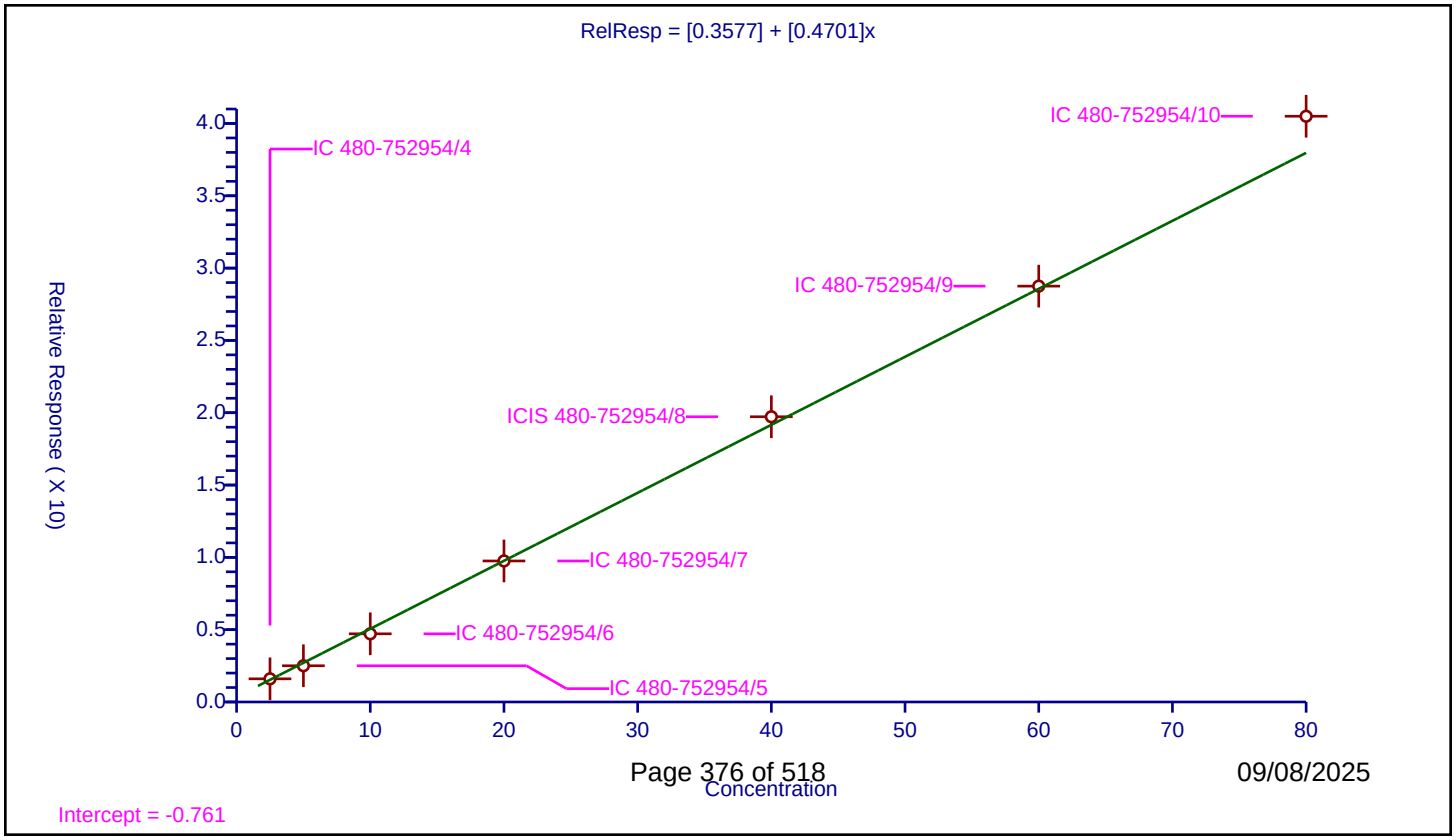
Curve Coefficients

Intercept:	0.3577
Slope:	0.4701

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.600644	40.0	325444.0	0.640258	Y
2	IC 480-752954/5	5.0	2.505146	40.0	333250.0	0.501029	Y
3	IC 480-752954/6	10.0	4.712933	40.0	359411.0	0.471293	Y
4	IC 480-752954/7	20.0	9.750695	40.0	294178.0	0.487535	Y
5	ICIS 480-752954/8	40.0	19.721932	40.0	340780.0	0.493048	Y
6	IC 480-752954/9	60.0	28.753341	40.0	369628.0	0.479222	Y
7	IC 480-752954/10	80.0	40.500375	40.0	343822.0	0.506255	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

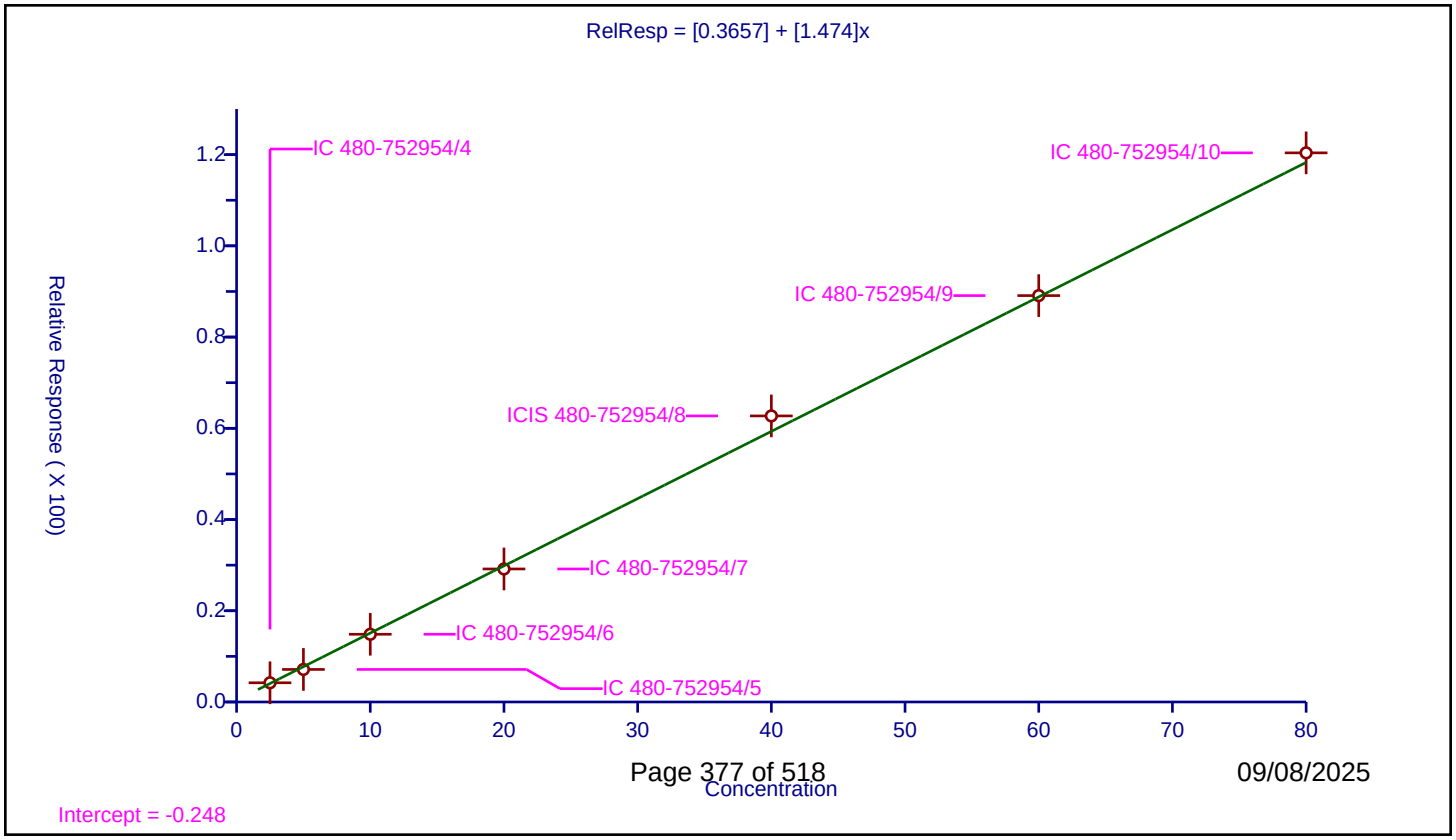
Curve Coefficients

Intercept:	0.3657
Slope:	1.474

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	4.212461	40.0	325444.0	1.684984	Y
2	IC 480-752954/5	5.0	7.133263	40.0	333250.0	1.426653	Y
3	IC 480-752954/6	10.0	14.846513	40.0	359411.0	1.484651	Y
4	IC 480-752954/7	20.0	29.166695	40.0	294178.0	1.458335	Y
5	ICIS 480-752954/8	40.0	62.715065	40.0	340780.0	1.567877	Y
6	IC 480-752954/9	60.0	89.0939	40.0	369628.0	1.484898	Y
7	IC 480-752954/10	80.0	120.388689	40.0	343822.0	1.504859	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

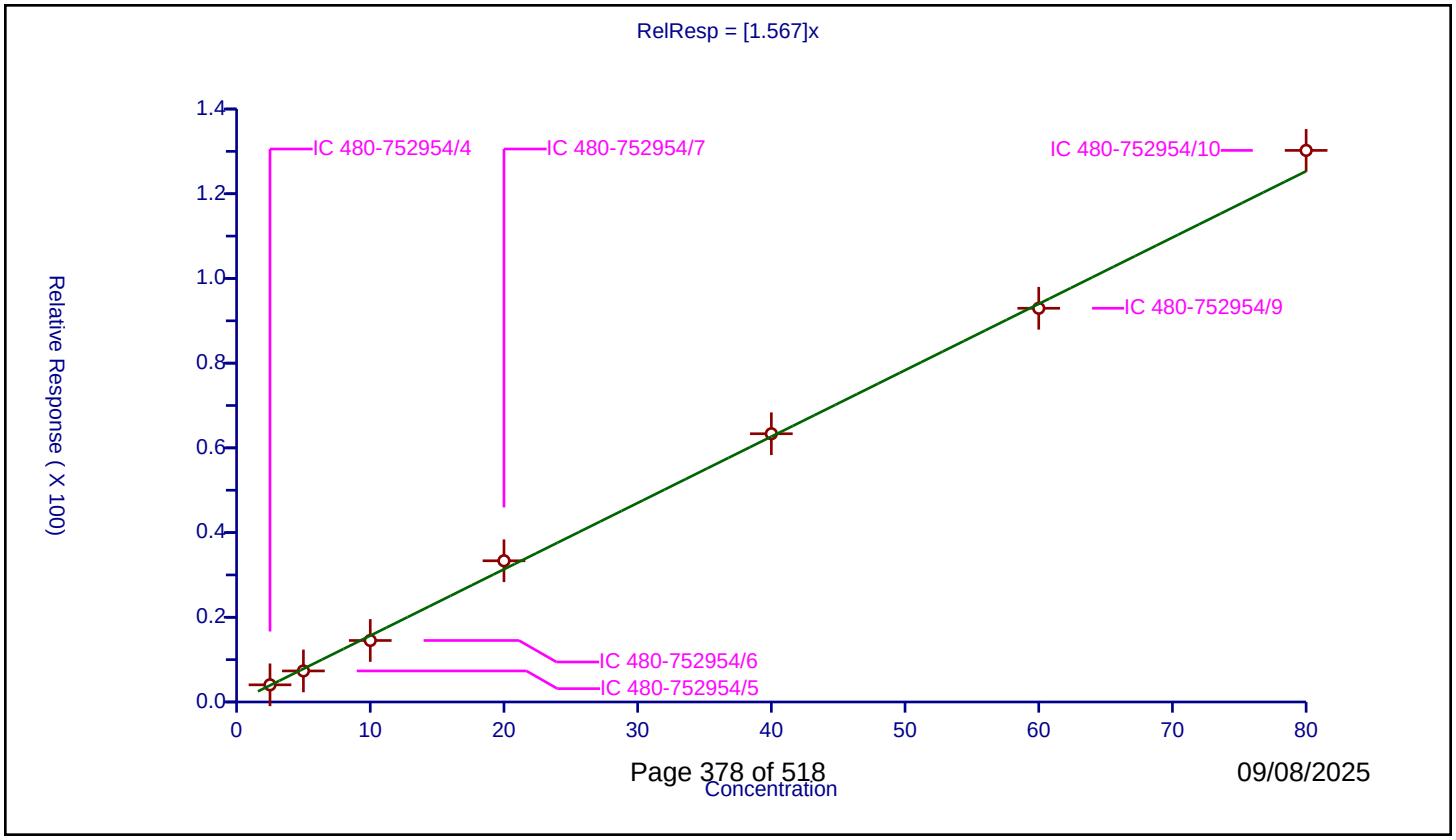
Curve Coefficients

Intercept:	0
Slope:	1.567

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	4.050344	40.0	325444.0	1.620137	Y
2	IC 480-752954/5	5.0	7.328672	40.0	333250.0	1.465734	Y
3	IC 480-752954/6	10.0	14.522427	40.0	359411.0	1.452243	Y
4	IC 480-752954/7	20.0	33.339135	40.0	294178.0	1.666957	Y
5	ICIS 480-752954/8	40.0	63.333177	40.0	340780.0	1.583329	Y
6	IC 480-752954/9	60.0	92.95627	40.0	369628.0	1.549271	Y
7	IC 480-752954/10	80.0	130.227734	40.0	343822.0	1.627847	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

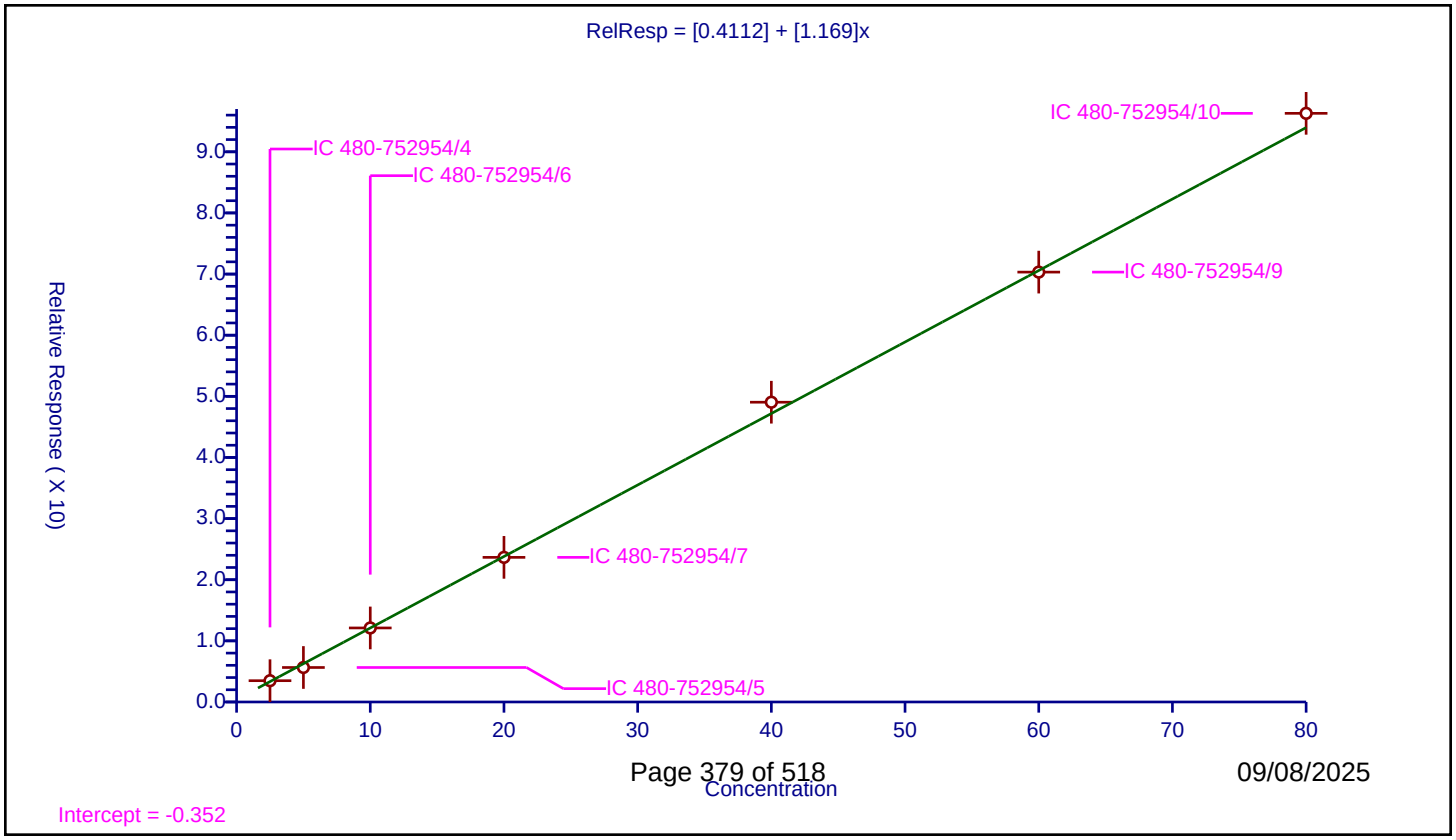
Curve Coefficients

Intercept:	0.4112
Slope:	1.169

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.481521	40.0	325444.0	1.392608	Y
2	IC 480-752954/5	5.0	5.643091	40.0	333250.0	1.128618	Y
3	IC 480-752954/6	10.0	12.110036	40.0	359411.0	1.211004	Y
4	IC 480-752954/7	20.0	23.657649	40.0	294178.0	1.182882	Y
5	ICIS 480-752954/8	40.0	49.038559	40.0	340780.0	1.225964	Y
6	IC 480-752954/9	60.0	70.318807	40.0	369628.0	1.17198	Y
7	IC 480-752954/10	80.0	96.292151	40.0	343822.0	1.203652	Y



Calibration / 2-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

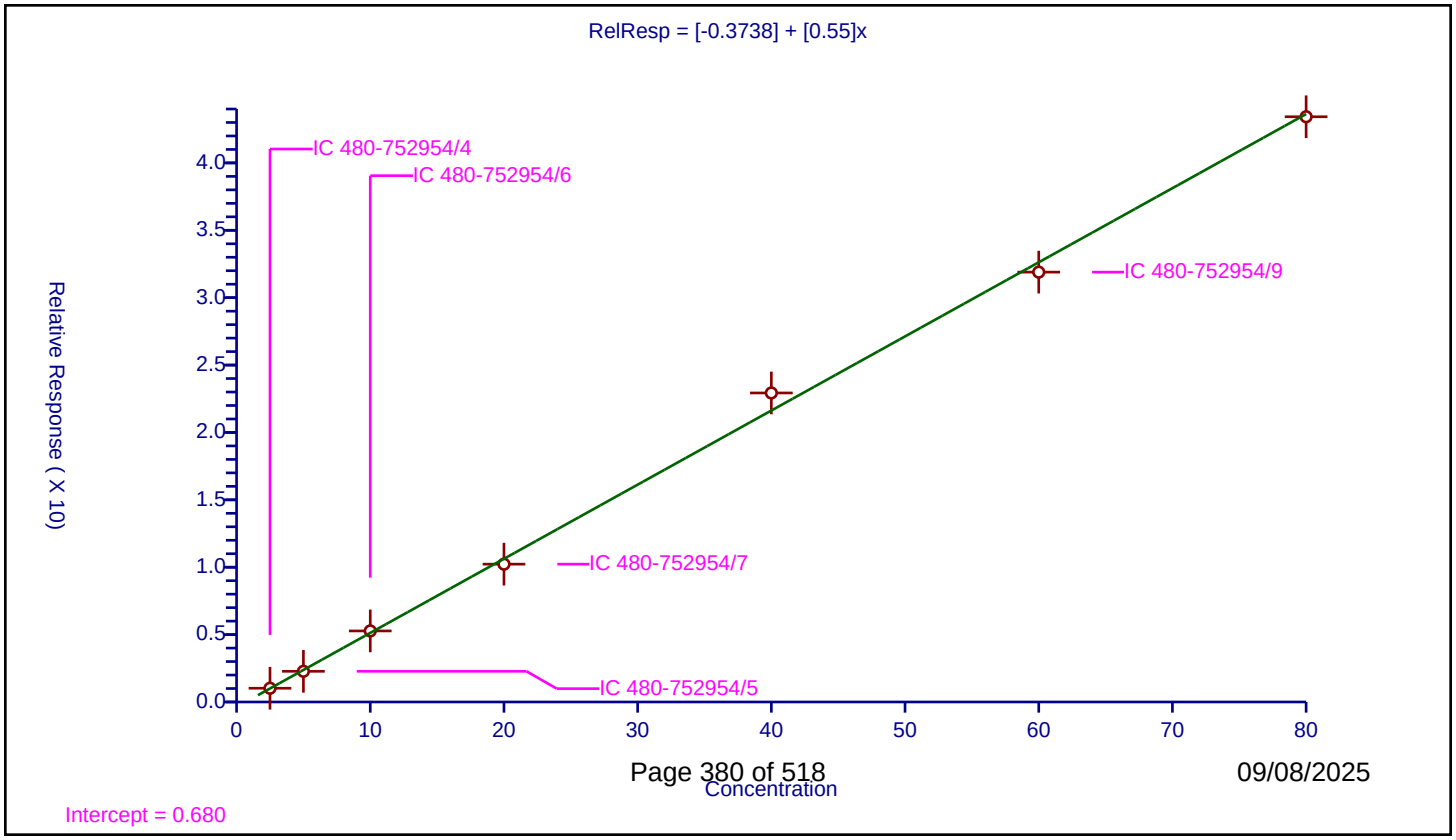
Curve Coefficients

Intercept:	-0.3738
Slope:	0.55

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.019653	40.0	325444.0	0.407861	Y
2	IC 480-752954/5	5.0	2.276009	40.0	333250.0	0.455202	Y
3	IC 480-752954/6	10.0	5.271736	40.0	359411.0	0.527174	Y
4	IC 480-752954/7	20.0	10.227141	40.0	294178.0	0.511357	Y
5	ICIS 480-752954/8	40.0	22.930571	40.0	340780.0	0.573264	Y
6	IC 480-752954/9	60.0	31.896934	40.0	369628.0	0.531616	Y
7	IC 480-752954/10	80.0	43.426424	40.0	343822.0	0.54283	Y



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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

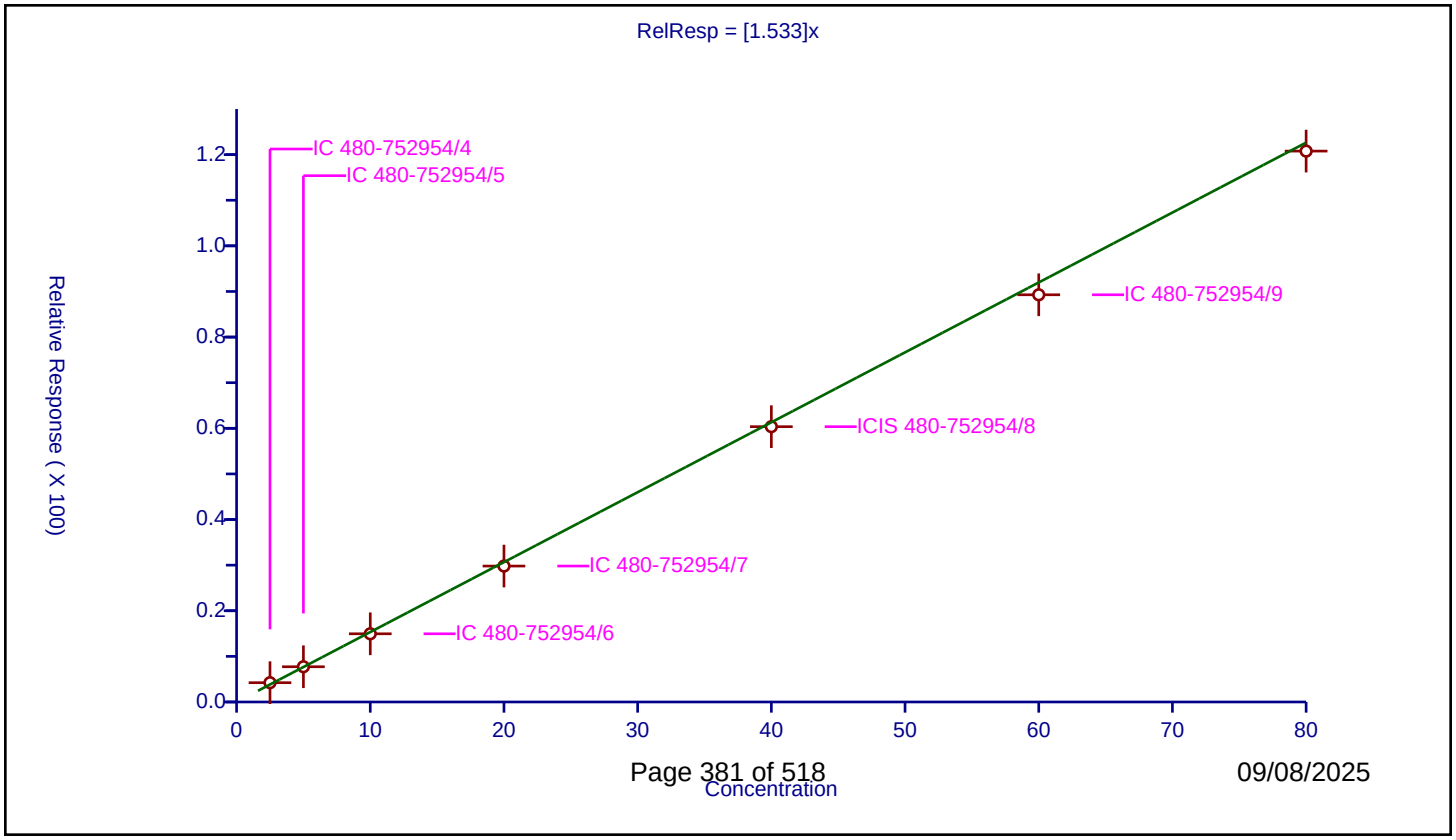
Curve Coefficients

Intercept:	0
Slope:	1.533

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	4.232495	40.0	325444.0	1.692998	Y
2	IC 480-752954/5	5.0	7.726092	40.0	333250.0	1.545218	Y
3	IC 480-752954/6	10.0	14.953354	40.0	359411.0	1.495335	Y
4	IC 480-752954/7	20.0	29.798557	40.0	294178.0	1.489928	Y
5	ICIS 480-752954/8	40.0	60.361641	40.0	340780.0	1.509041	Y
6	IC 480-752954/9	60.0	89.277436	40.0	369628.0	1.487957	Y
7	IC 480-752954/10	80.0	120.772027	40.0	343822.0	1.50965	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

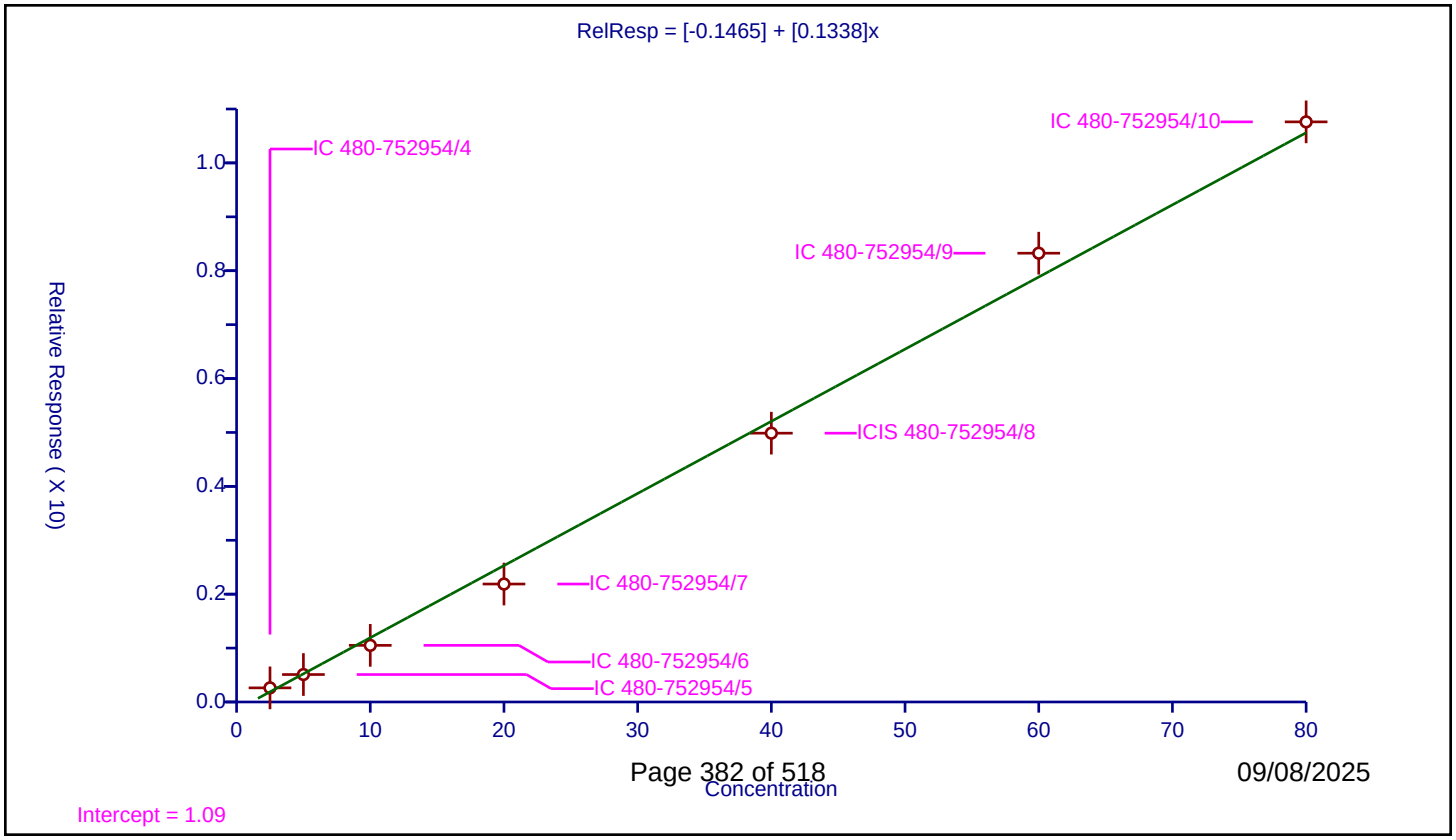
Curve Coefficients

Intercept:	-0.1465
Slope:	0.1338

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.26205	40.0	561724.0	0.10482	Y
2	IC 480-752954/5	5.0	0.509126	40.0	555383.0	0.101825	Y
3	IC 480-752954/6	10.0	1.050445	40.0	611931.0	0.105045	Y
4	IC 480-752954/7	20.0	2.188065	40.0	514939.0	0.109403	Y
5	ICIS 480-752954/8	40.0	4.986735	40.0	572551.0	0.124668	Y
6	IC 480-752954/9	60.0	8.325148	40.0	607970.0	0.138752	Y
7	IC 480-752954/10	80.0	10.76163	40.0	583380.0	0.13452	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

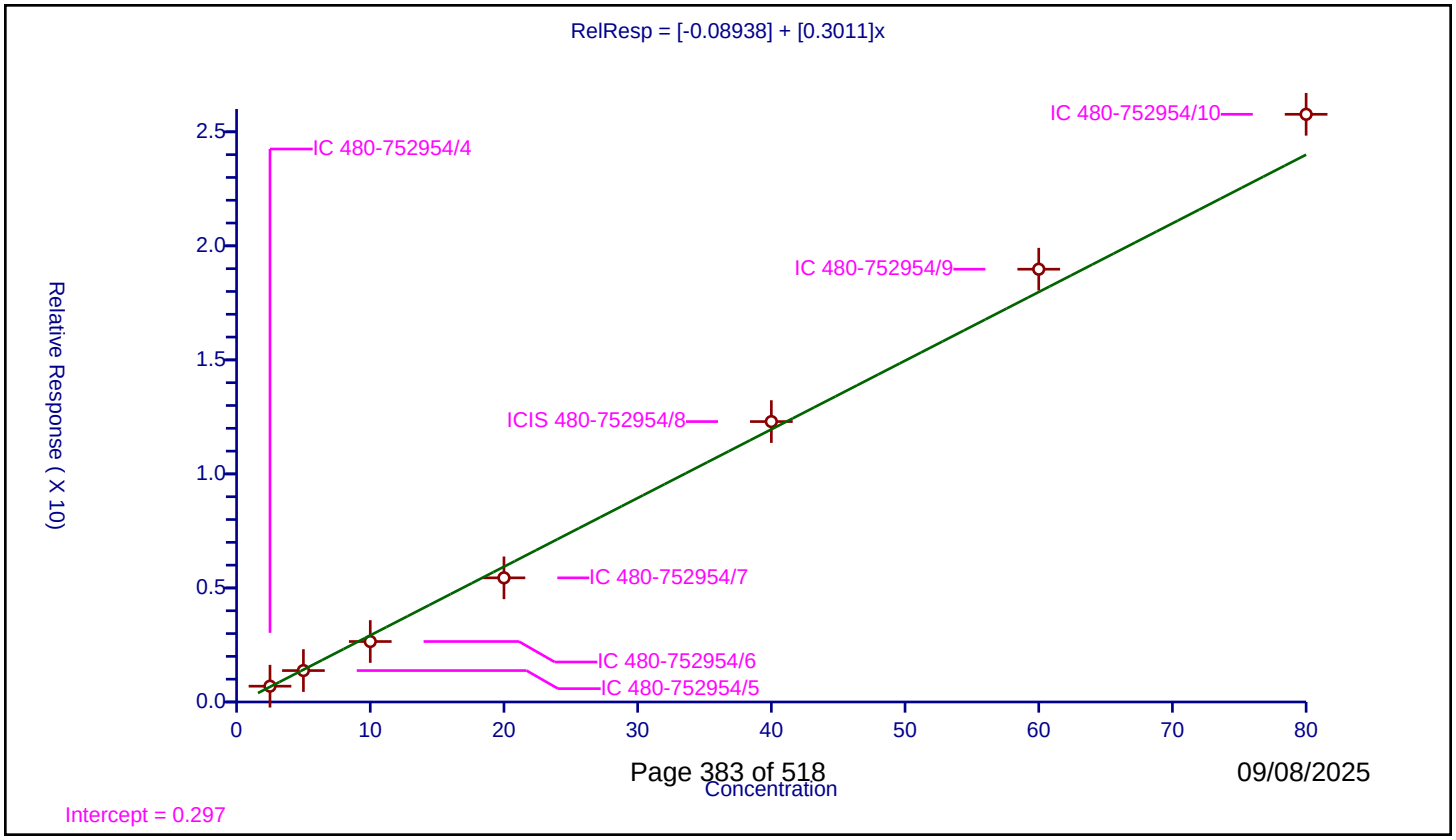
Curve Coefficients

Intercept:	-0.08938
Slope:	0.3011

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.692592	40.0	325444.0	0.277037	Y
2	IC 480-752954/5	5.0	1.377704	40.0	333250.0	0.275541	Y
3	IC 480-752954/6	10.0	2.65156	40.0	359411.0	0.265156	Y
4	IC 480-752954/7	20.0	5.443779	40.0	294178.0	0.272189	Y
5	ICIS 480-752954/8	40.0	12.295792	40.0	340780.0	0.307395	Y
6	IC 480-752954/9	60.0	18.975943	40.0	369628.0	0.316266	Y
7	IC 480-752954/10	80.0	25.767985	40.0	343822.0	0.3221	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

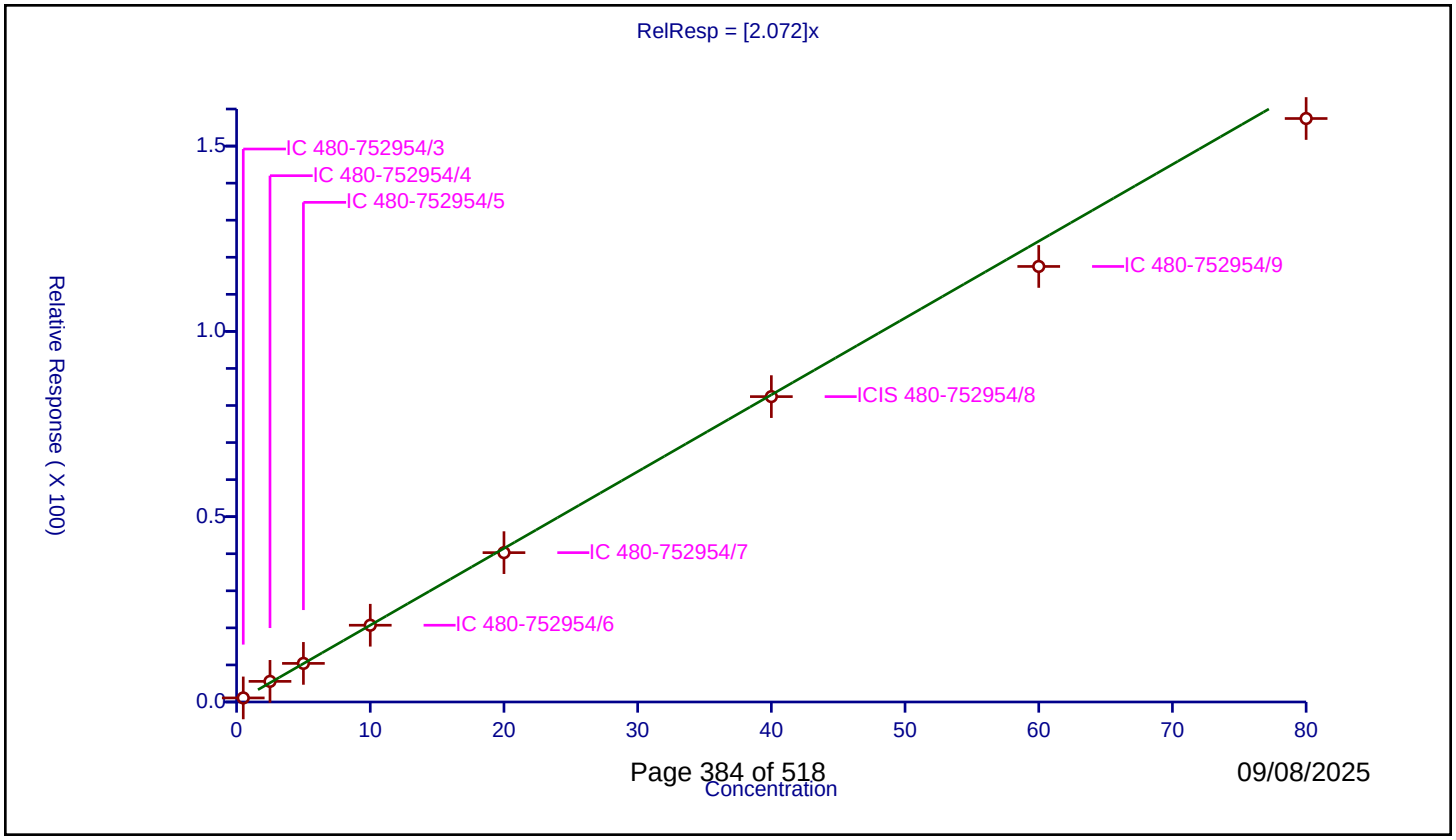
Curve Coefficients

Intercept:	0
Slope:	2.072

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	1.09776	40.0	317665.0	2.19552	Y
2	IC 480-752954/4	2.5	5.564583	40.0	325444.0	2.225833	Y
3	IC 480-752954/5	5.0	10.416084	40.0	333250.0	2.083217	Y
4	IC 480-752954/6	10.0	20.709884	40.0	359411.0	2.070988	Y
5	IC 480-752954/7	20.0	40.30009	40.0	294178.0	2.015005	Y
6	ICIS 480-752954/8	40.0	82.399084	40.0	340780.0	2.059977	Y
7	IC 480-752954/9	60.0	117.521941	40.0	369628.0	1.958699	Y
8	IC 480-752954/10	80.0	157.436813	40.0	343822.0	1.96796	Y



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Calibration / 3-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

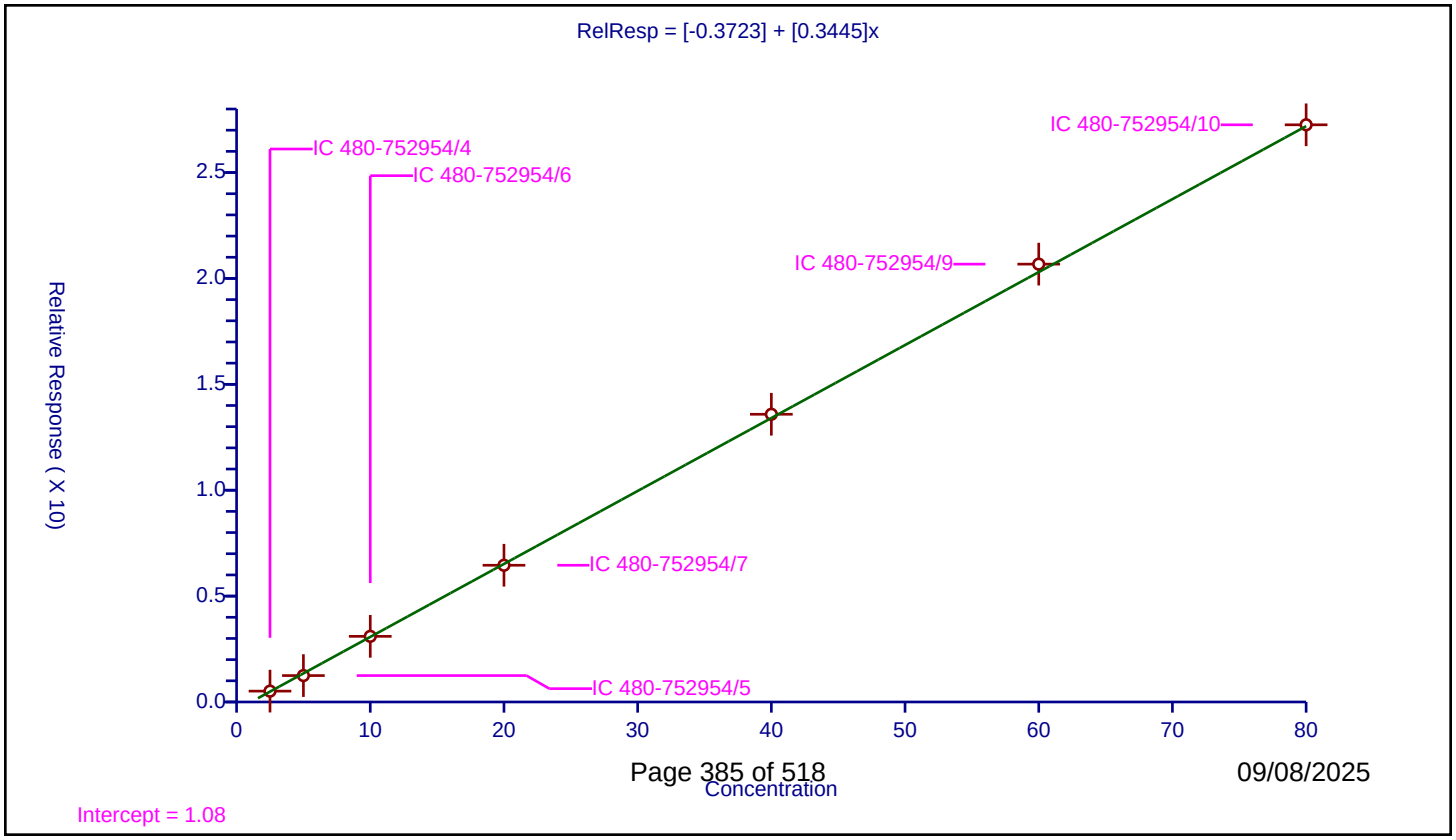
Curve Coefficients

Intercept:	-0.3723
Slope:	0.3445

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.512531	40.0	325444.0	0.205012	Y
2	IC 480-752954/5	5.0	1.247592	40.0	333250.0	0.249518	Y
3	IC 480-752954/6	10.0	3.099961	40.0	359411.0	0.309996	Y
4	IC 480-752954/7	20.0	6.456363	40.0	294178.0	0.322818	Y
5	ICIS 480-752954/8	40.0	13.586243	40.0	340780.0	0.339656	Y
6	IC 480-752954/9	60.0	20.675706	40.0	369628.0	0.344595	Y
7	IC 480-752954/10	80.0	27.254568	40.0	343822.0	0.340682	Y



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Calibration / Acenaphthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

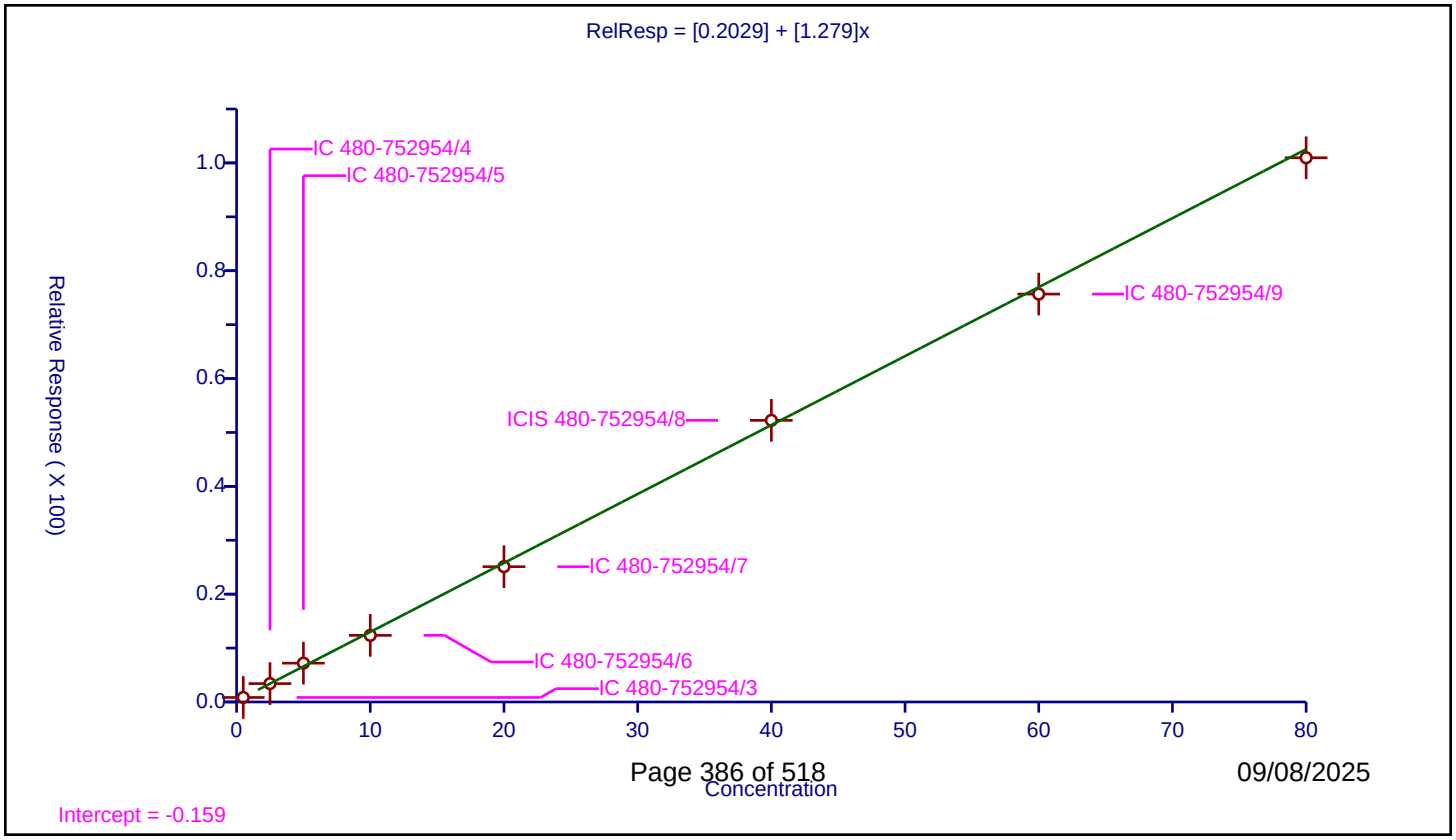
Curve Coefficients

Intercept:	0.2029
Slope:	1.279

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.83799	40.0	317665.0	1.675979	Y
2	IC 480-752954/4	2.5	3.412937	40.0	325444.0	1.365175	Y
3	IC 480-752954/5	5.0	7.205881	40.0	333250.0	1.441176	Y
4	IC 480-752954/6	10.0	12.360223	40.0	359411.0	1.236022	Y
5	IC 480-752954/7	20.0	25.097186	40.0	294178.0	1.254859	Y
6	ICIS 480-752954/8	40.0	52.244967	40.0	340780.0	1.306124	Y
7	IC 480-752954/9	60.0	75.669917	40.0	369628.0	1.261165	Y
8	IC 480-752954/10	80.0	100.956309	40.0	343822.0	1.261954	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

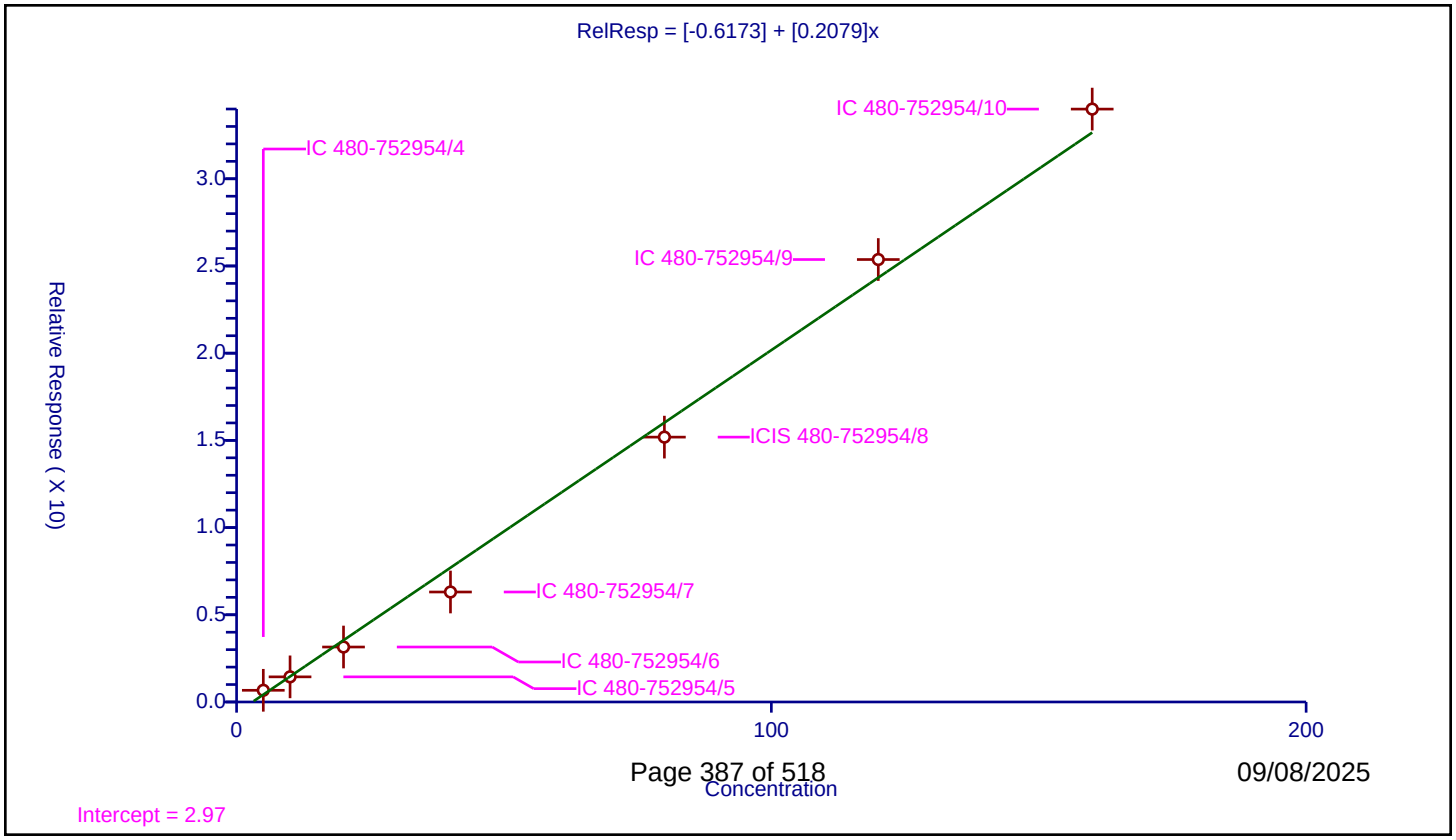
Curve Coefficients

Intercept:	-0.6173
Slope:	0.2079

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	0.670469	40.0	325444.0	0.134094	Y
2	IC 480-752954/5	10.0	1.44156	40.0	333250.0	0.144156	Y
3	IC 480-752954/6	20.0	3.151823	40.0	359411.0	0.157591	Y
4	IC 480-752954/7	40.0	6.30625	40.0	294178.0	0.157656	Y
5	ICIS 480-752954/8	80.0	15.187394	40.0	340780.0	0.189842	Y
6	IC 480-752954/9	120.0	25.369831	40.0	369628.0	0.211415	Y
7	IC 480-752954/10	160.0	33.995498	40.0	343822.0	0.212472	Y



Calibration / 4-Nitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

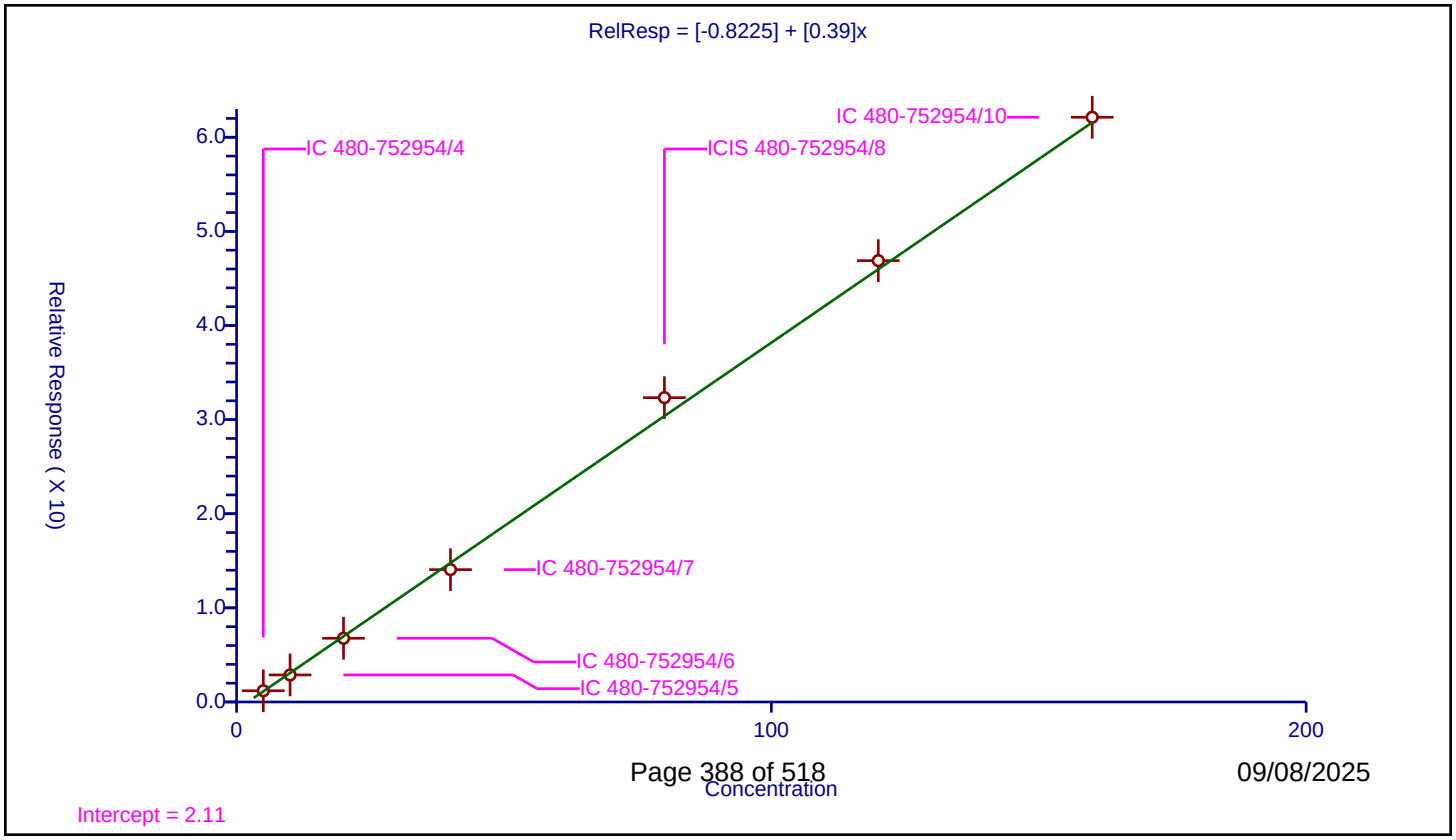
Curve Coefficients

Intercept:	-0.8225
Slope:	0.39

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	1.192586	40.0	325444.0	0.238517	Y
2	IC 480-752954/5	10.0	2.874239	40.0	333250.0	0.287424	Y
3	IC 480-752954/6	20.0	6.769854	40.0	359411.0	0.338493	Y
4	IC 480-752954/7	40.0	14.061147	40.0	294178.0	0.351529	Y
5	ICIS 480-752954/8	80.0	32.334879	40.0	340780.0	0.404186	Y
6	IC 480-752954/9	120.0	46.891145	40.0	369628.0	0.39076	Y
7	IC 480-752954/10	160.0	62.123308	40.0	343822.0	0.388271	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

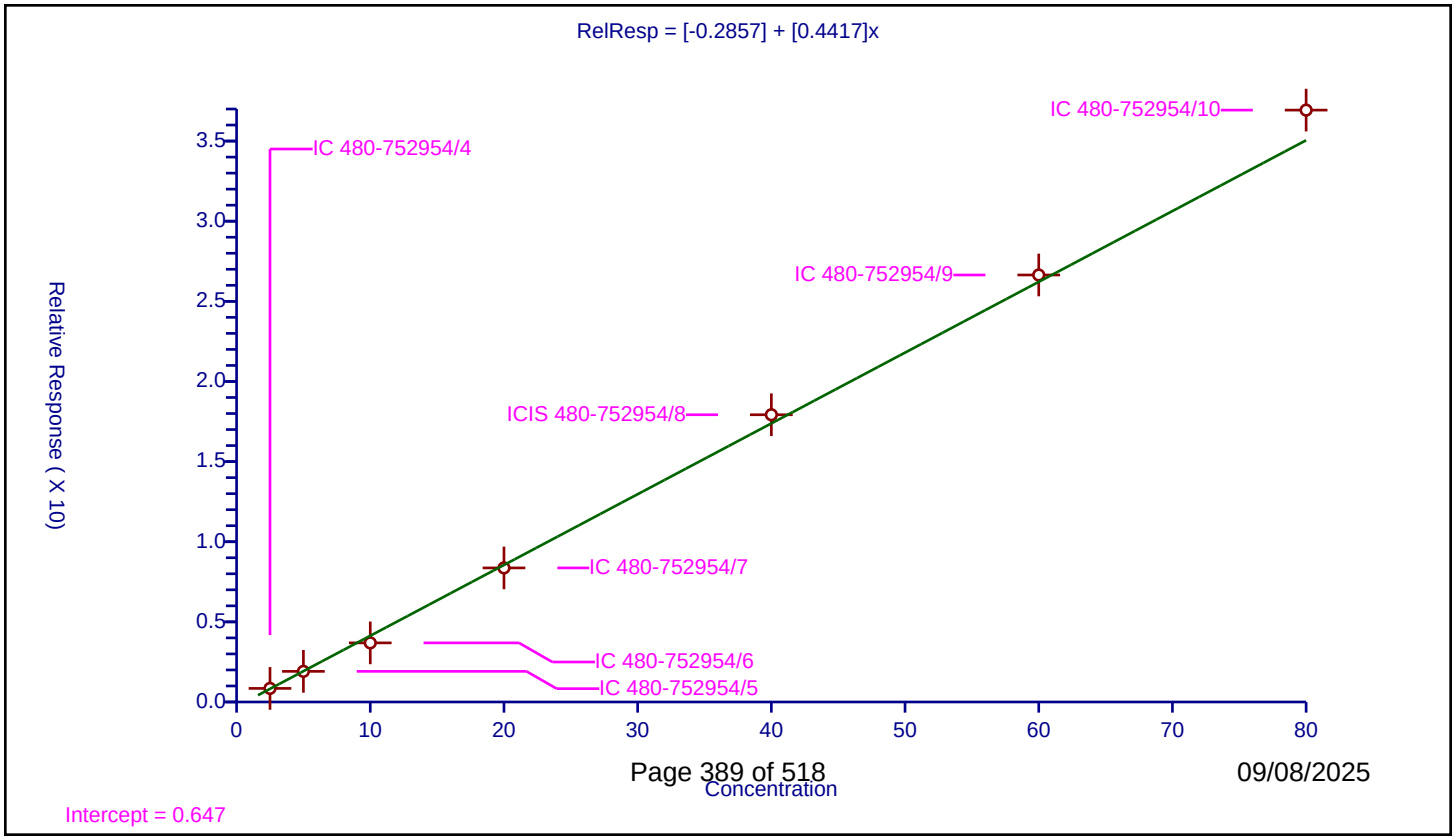
Curve Coefficients

Intercept:	-0.2857
Slope:	0.4417

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.847212	40.0	325444.0	0.338885	Y
2	IC 480-752954/5	5.0	1.911238	40.0	333250.0	0.382248	Y
3	IC 480-752954/6	10.0	3.688368	40.0	359411.0	0.368837	Y
4	IC 480-752954/7	20.0	8.365275	40.0	294178.0	0.418264	Y
5	ICIS 480-752954/8	40.0	17.923587	40.0	340780.0	0.44809	Y
6	IC 480-752954/9	60.0	26.643111	40.0	369628.0	0.444052	Y
7	IC 480-752954/10	80.0	36.931435	40.0	343822.0	0.461643	Y



Calibration / Dibenzofuran

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

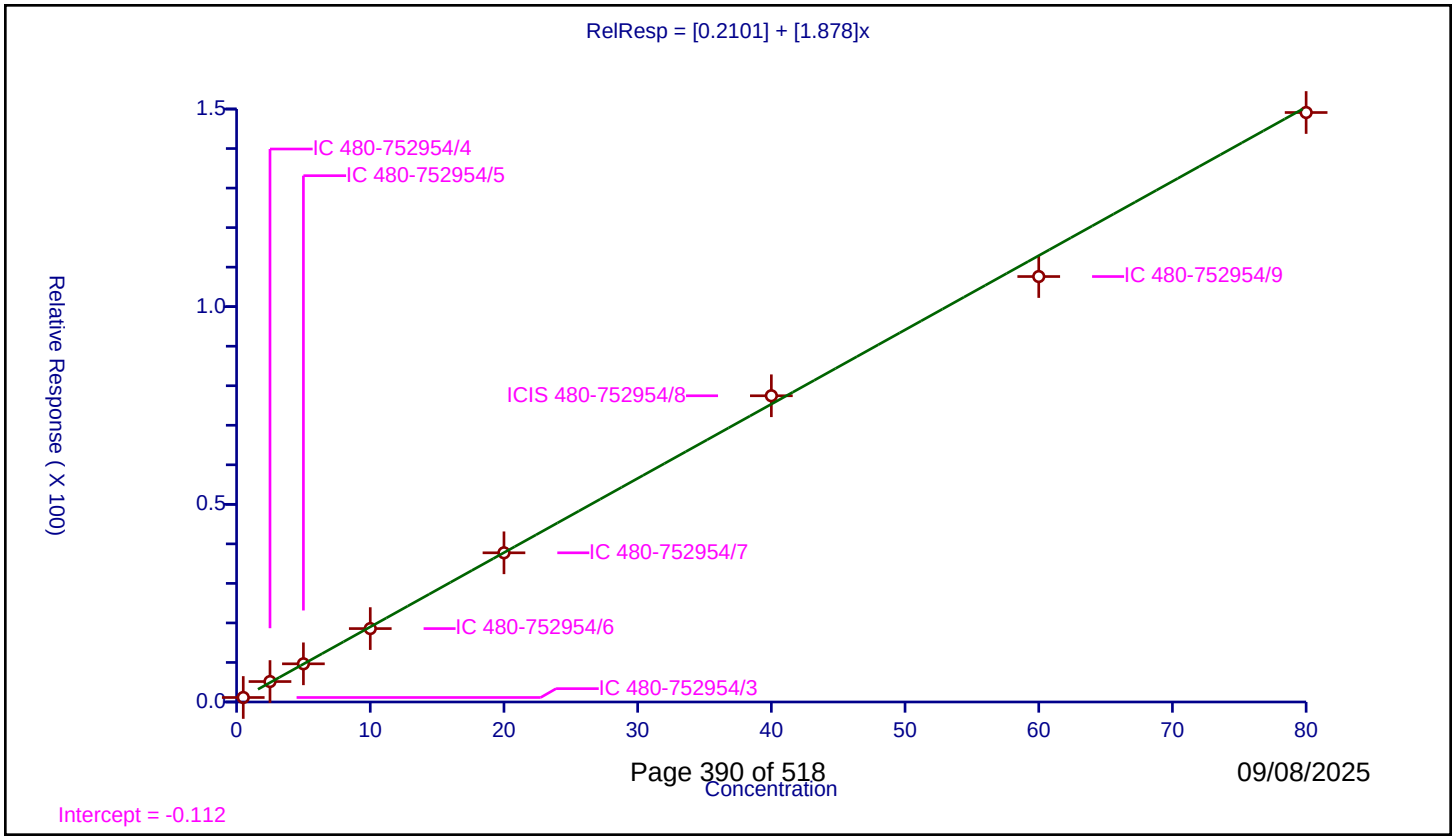
Curve Coefficients

Intercept:	0.2101
Slope:	1.878

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	1.139313	40.0	317665.0	2.278627	Y
2	IC 480-752954/4	2.5	5.171397	40.0	325444.0	2.068559	Y
3	IC 480-752954/5	5.0	9.657014	40.0	333250.0	1.931403	Y
4	IC 480-752954/6	10.0	18.565152	40.0	359411.0	1.856515	Y
5	IC 480-752954/7	20.0	37.737832	40.0	294178.0	1.886892	Y
6	ICIS 480-752954/8	40.0	77.465696	40.0	340780.0	1.936642	Y
7	IC 480-752954/9	60.0	107.621068	40.0	369628.0	1.793684	Y
8	IC 480-752954/10	80.0	149.117043	40.0	343822.0	1.863963	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

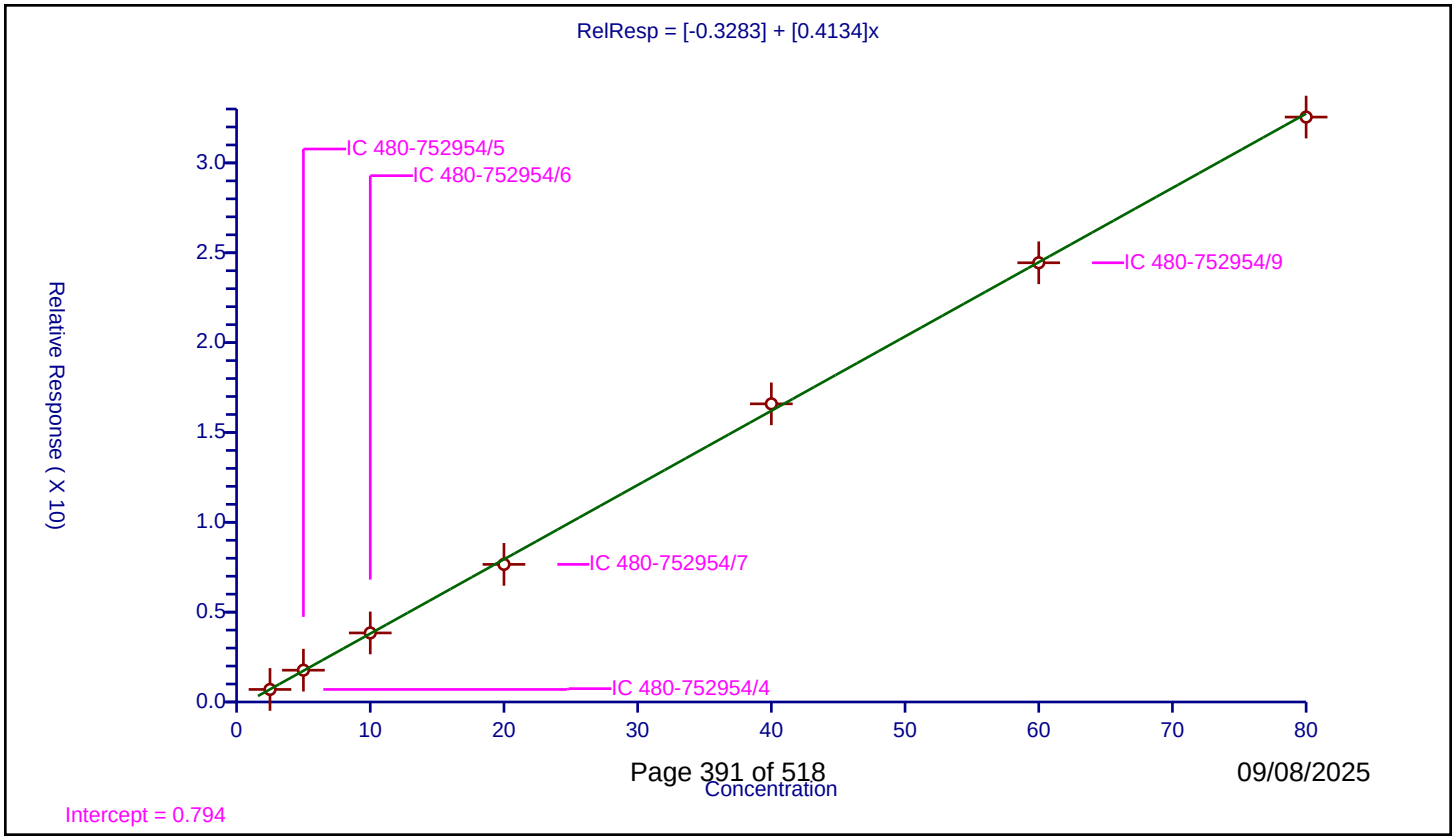
Curve Coefficients

Intercept:	-0.3283
Slope:	0.4134

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.697877	40.0	325444.0	0.279151	Y
2	IC 480-752954/5	5.0	1.770323	40.0	333250.0	0.354065	Y
3	IC 480-752954/6	10.0	3.84262	40.0	359411.0	0.384262	Y
4	IC 480-752954/7	20.0	7.658357	40.0	294178.0	0.382918	Y
5	ICIS 480-752954/8	40.0	16.592054	40.0	340780.0	0.414801	Y
6	IC 480-752954/9	60.0	24.443278	40.0	369628.0	0.407388	Y
7	IC 480-752954/10	80.0	32.552309	40.0	343822.0	0.406904	Y



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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

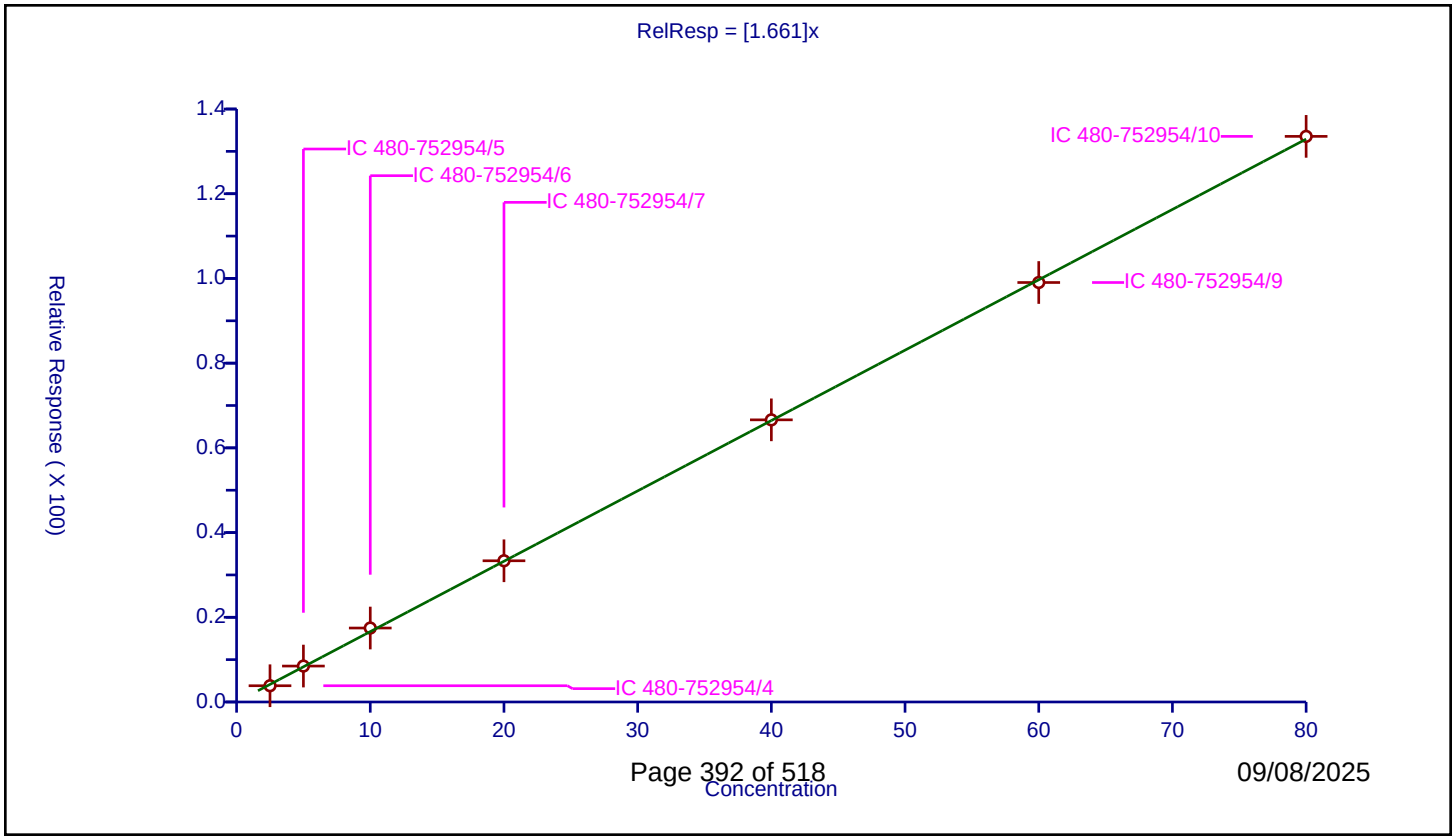
Curve Coefficients

Intercept:	0
Slope:	1.661

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.834515	40.0	325444.0	1.533806	Y
2	IC 480-752954/5	5.0	8.482881	40.0	333250.0	1.696576	Y
3	IC 480-752954/6	10.0	17.46079	40.0	359411.0	1.746079	Y
4	IC 480-752954/7	20.0	33.343078	40.0	294178.0	1.667154	Y
5	ICIS 480-752954/8	40.0	66.611186	40.0	340780.0	1.66528	Y
6	IC 480-752954/9	60.0	99.035787	40.0	369628.0	1.650596	Y
7	IC 480-752954/10	80.0	133.541775	40.0	343822.0	1.669272	Y



Calibration / Hexadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

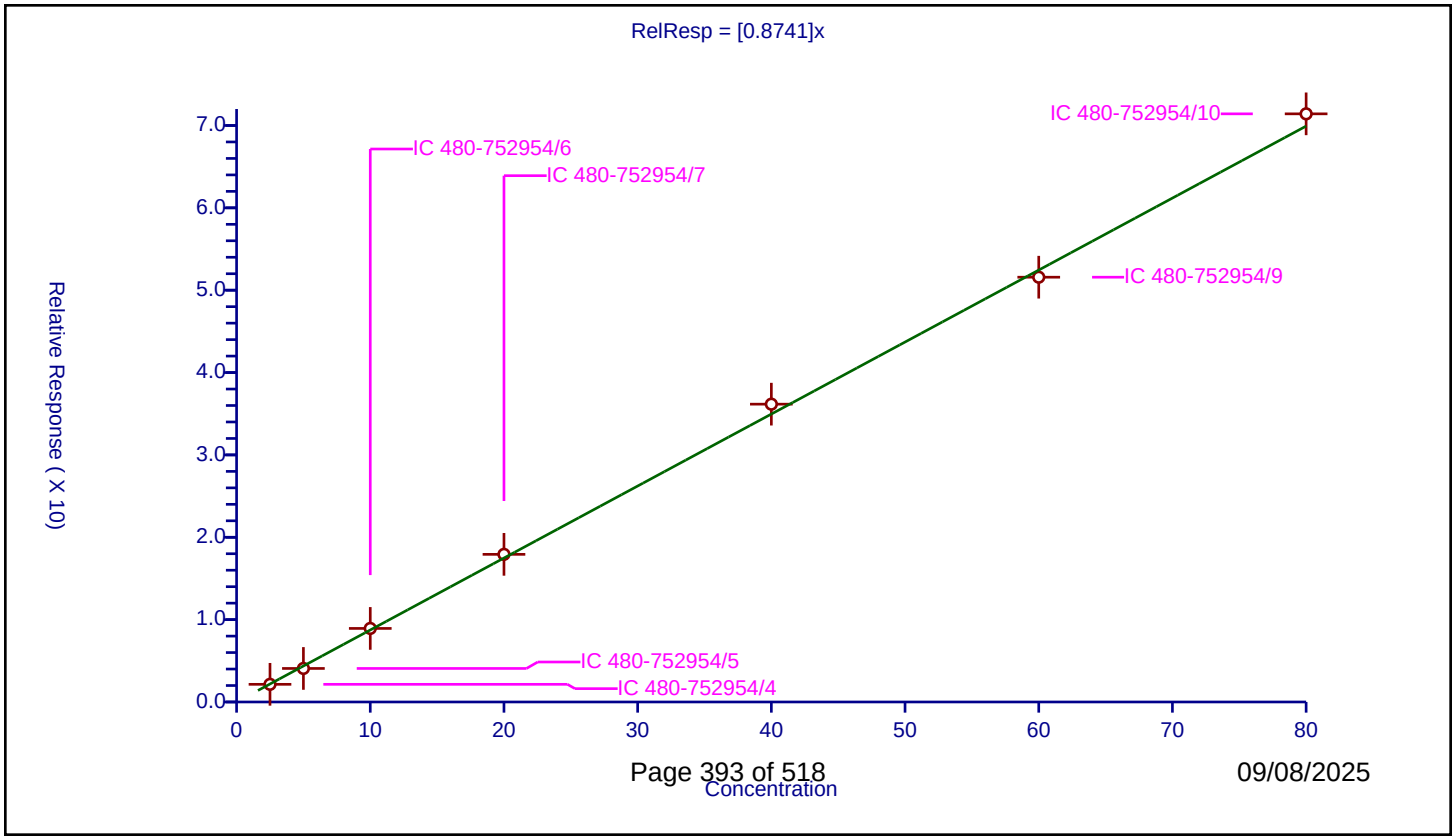
Curve Coefficients

Intercept:	0
Slope:	0.8741

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.144762	40.0	325444.0	0.857905	Y
2	IC 480-752954/5	5.0	4.072498	40.0	333250.0	0.8145	Y
3	IC 480-752954/6	10.0	8.932949	40.0	359411.0	0.893295	Y
4	IC 480-752954/7	20.0	17.926697	40.0	294178.0	0.896335	Y
5	ICIS 480-752954/8	40.0	36.163859	40.0	340780.0	0.904096	Y
6	IC 480-752954/9	60.0	51.579859	40.0	369628.0	0.859664	Y
7	IC 480-752954/10	80.0	71.412533	40.0	343822.0	0.892657	Y



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Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

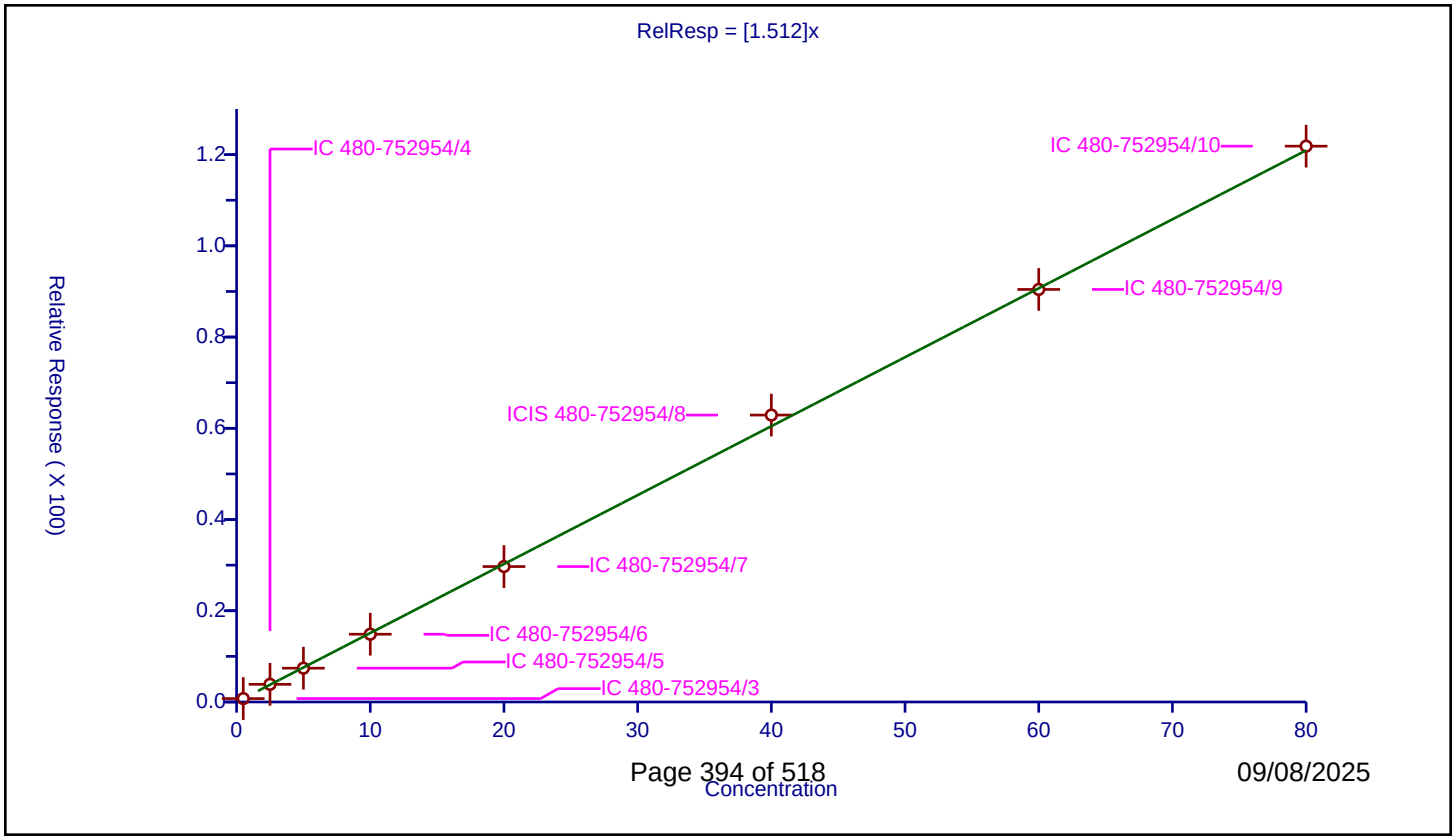
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.743802	40.0	317665.0	1.487605	Y
2	IC 480-752954/4	2.5	3.874707	40.0	325444.0	1.549883	Y
3	IC 480-752954/5	5.0	7.412693	40.0	333250.0	1.482539	Y
4	IC 480-752954/6	10.0	14.856752	40.0	359411.0	1.485675	Y
5	IC 480-752954/7	20.0	29.687332	40.0	294178.0	1.484367	Y
6	ICIS 480-752954/8	40.0	62.904044	40.0	340780.0	1.572601	Y
7	IC 480-752954/9	60.0	90.444014	40.0	369628.0	1.5074	Y
8	IC 480-752954/10	80.0	121.856775	40.0	343822.0	1.52321	Y



09/08/2025

Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

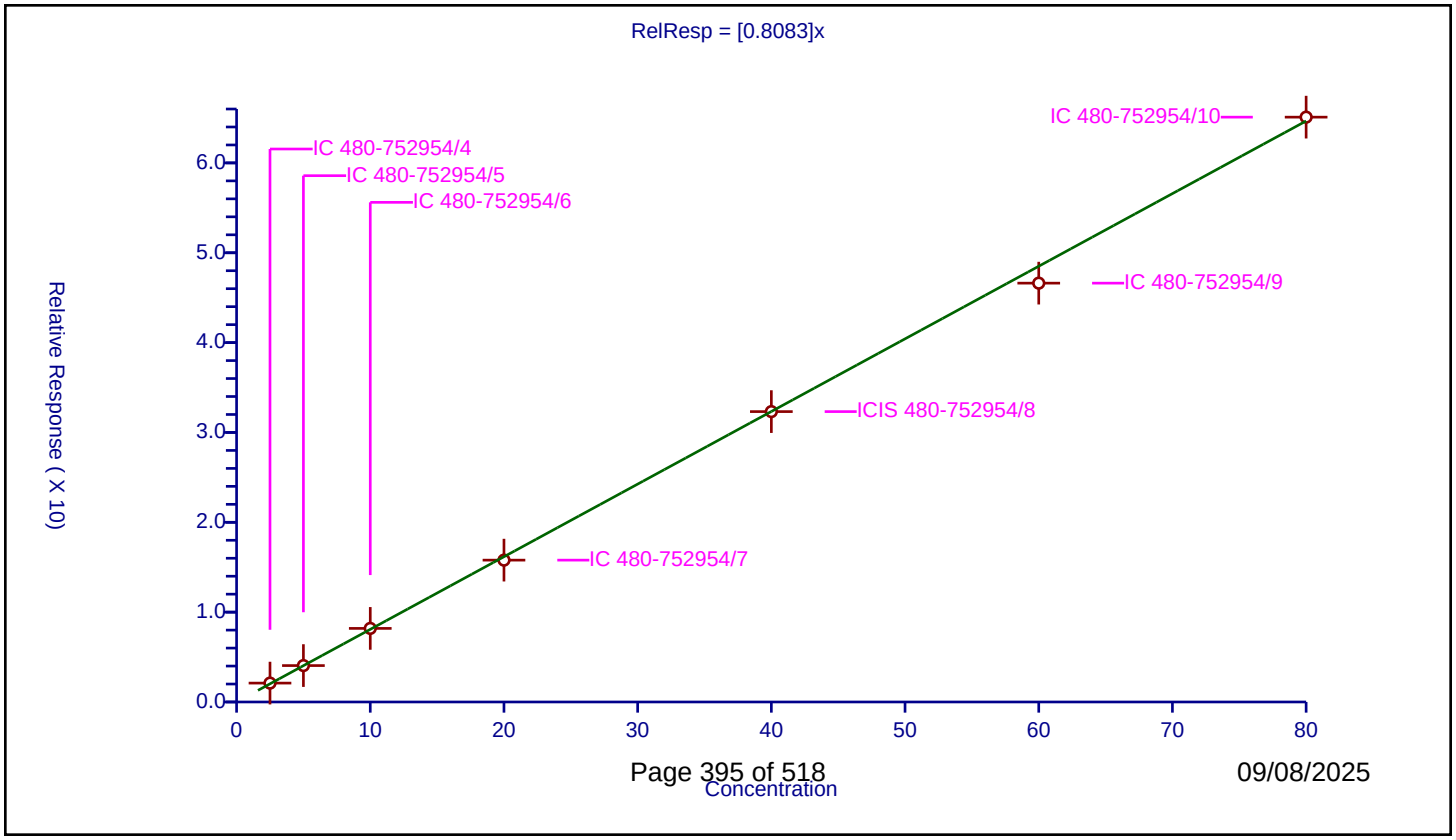
Curve Coefficients

Intercept:	0
Slope:	0.8083

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.101867	40.0	325444.0	0.840747	Y
2	IC 480-752954/5	5.0	4.051733	40.0	333250.0	0.810347	Y
3	IC 480-752954/6	10.0	8.191736	40.0	359411.0	0.819174	Y
4	IC 480-752954/7	20.0	15.78908	40.0	294178.0	0.789454	Y
5	ICIS 480-752954/8	40.0	32.319972	40.0	340780.0	0.807999	Y
6	IC 480-752954/9	60.0	46.619412	40.0	369628.0	0.77699	Y
7	IC 480-752954/10	80.0	65.095311	40.0	343822.0	0.813691	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

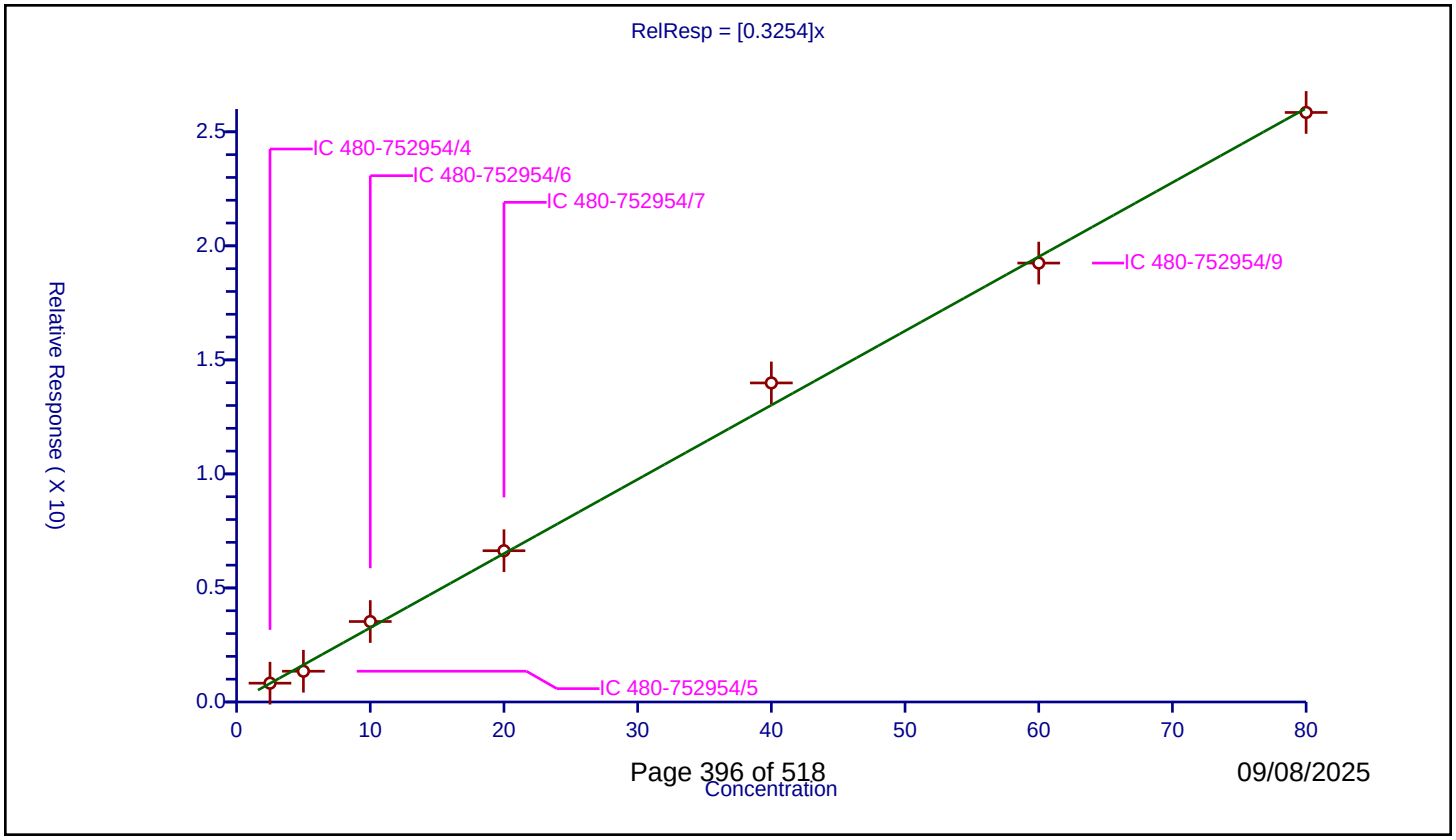
Curve Coefficients

Intercept:	0
Slope:	0.3254

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.824842	40.0	325444.0	0.329937	Y
2	IC 480-752954/5	5.0	1.348537	40.0	333250.0	0.269707	Y
3	IC 480-752954/6	10.0	3.527772	40.0	359411.0	0.352777	Y
4	IC 480-752954/7	20.0	6.633127	40.0	294178.0	0.331656	Y
5	ICIS 480-752954/8	40.0	13.989084	40.0	340780.0	0.349727	Y
6	IC 480-752954/9	60.0	19.245512	40.0	369628.0	0.320759	Y
7	IC 480-752954/10	80.0	25.849538	40.0	343822.0	0.323119	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

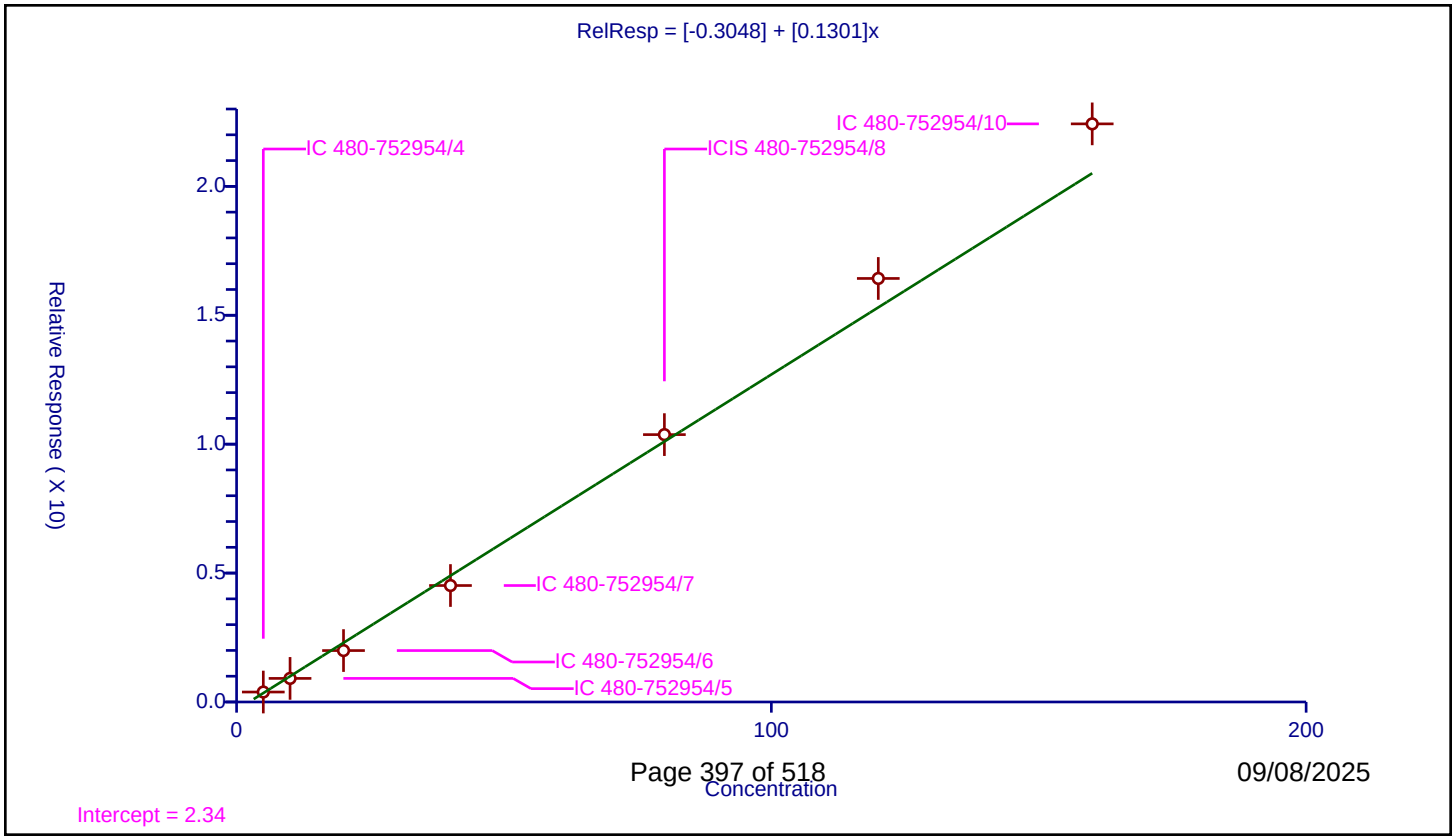
Curve Coefficients

Intercept:	-0.3048
Slope:	0.1301

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	0.385842	40.0	669601.0	0.077168	Y
2	IC 480-752954/5	10.0	0.915024	40.0	649032.0	0.091502	Y
3	IC 480-752954/6	20.0	1.994672	40.0	724871.0	0.099734	Y
4	IC 480-752954/7	40.0	4.517031	40.0	570047.0	0.112926	Y
5	ICIS 480-752954/8	80.0	10.370331	40.0	682524.0	0.129629	Y
6	IC 480-752954/9	120.0	16.427992	40.0	714948.0	0.1369	Y
7	IC 480-752954/10	160.0	22.424122	40.0	668539.0	0.140151	Y



09/08/2025

Calibration / Diphenylamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

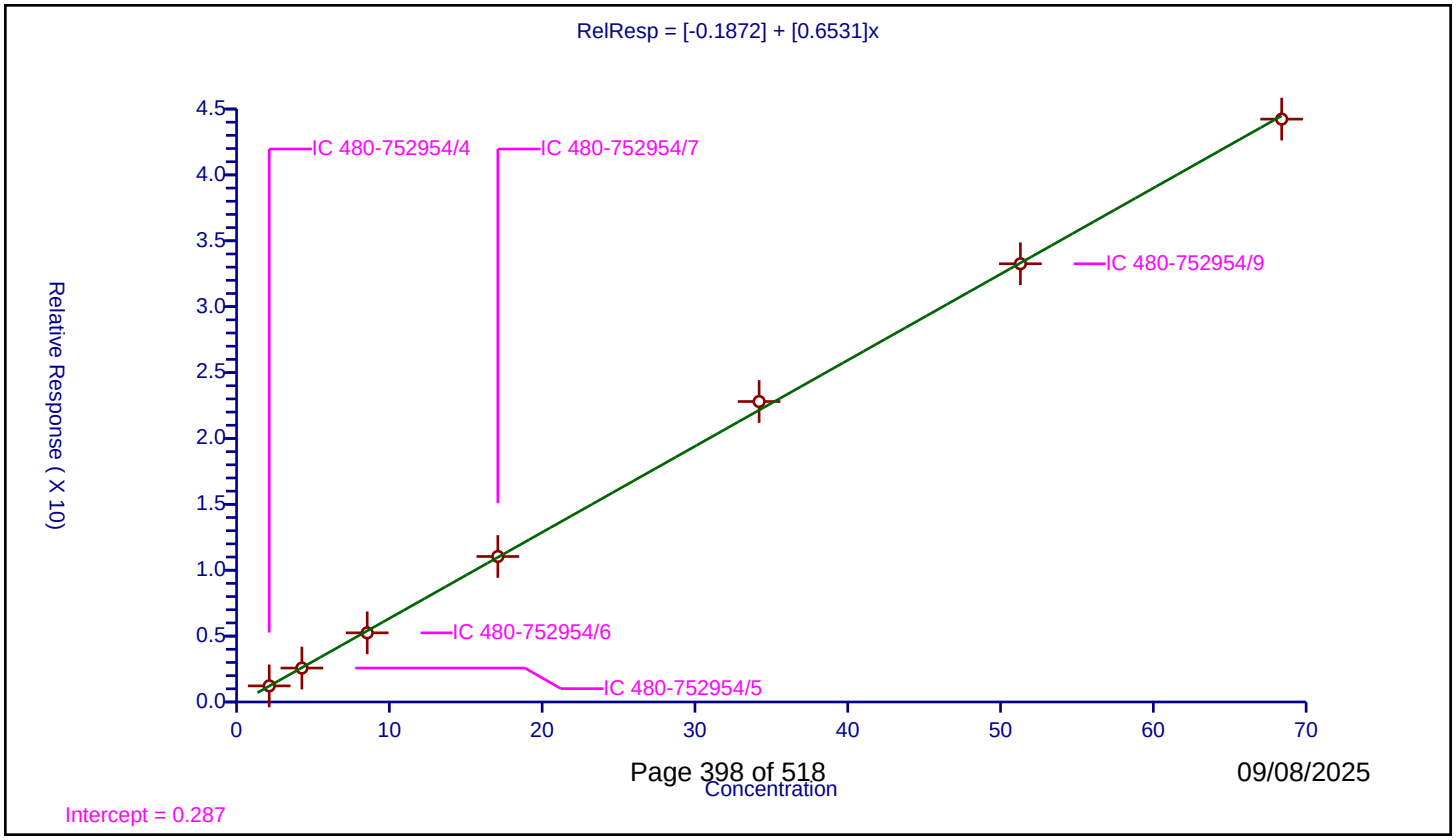
Curve Coefficients

Intercept:	-0.1872
Slope:	0.6531

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.1375	1.222101	40.0	669601.0	0.571743	Y
2	IC 480-752954/5	4.275	2.575589	40.0	649032.0	0.602477	Y
3	IC 480-752954/6	8.55	5.248272	40.0	724871.0	0.613833	Y
4	IC 480-752954/7	17.1	11.042318	40.0	570047.0	0.64575	Y
5	ICIS 480-752954/8	34.2	22.801191	40.0	682524.0	0.666701	Y
6	IC 480-752954/9	51.3	33.255957	40.0	714948.0	0.648264	Y
7	IC 480-752954/10	68.4	44.233111	40.0	668539.0	0.646683	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

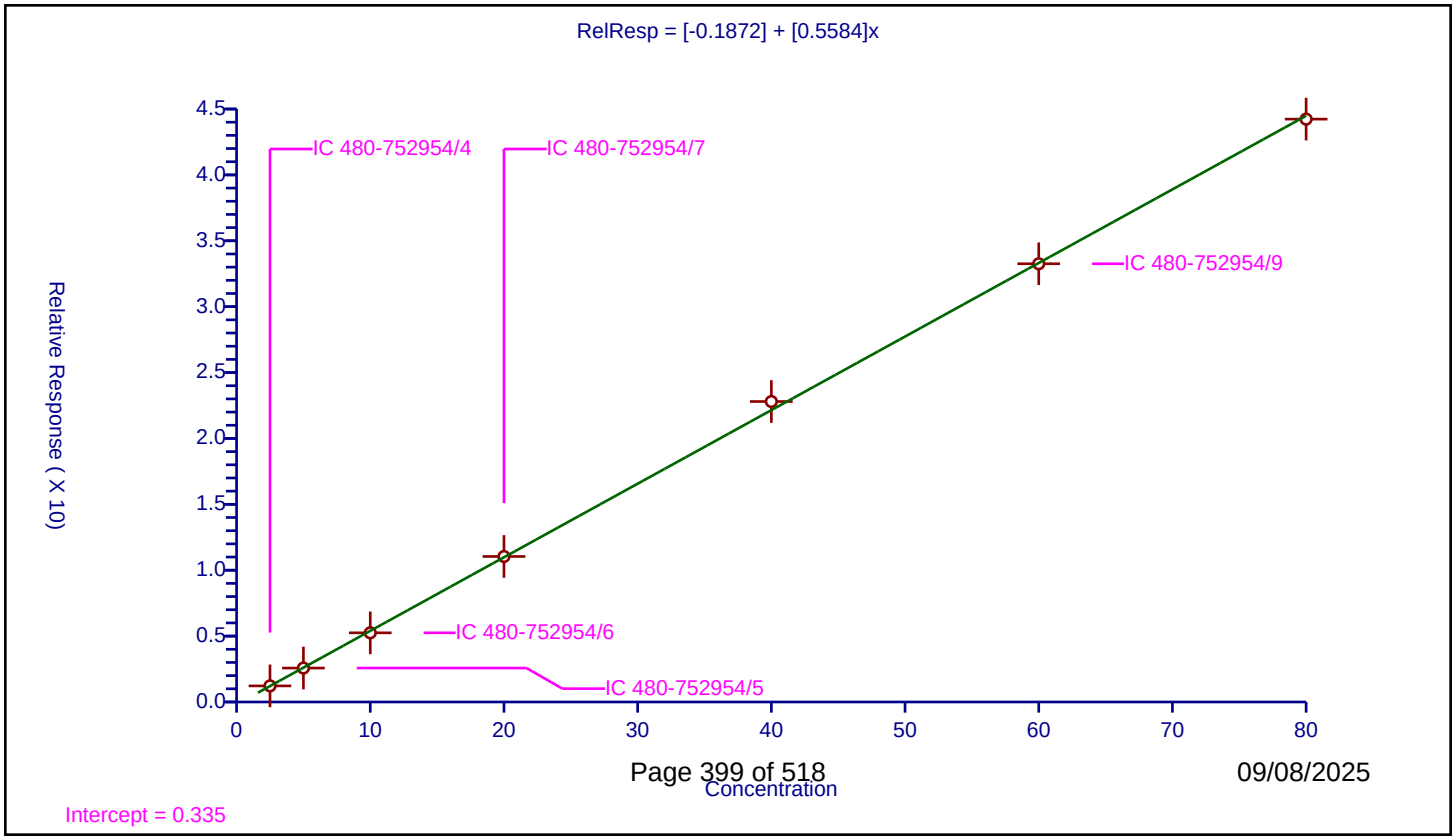
Curve Coefficients

Intercept:	-0.1872
Slope:	0.5584

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.222101	40.0	669601.0	0.48884	Y
2	IC 480-752954/5	5.0	2.575589	40.0	649032.0	0.515118	Y
3	IC 480-752954/6	10.0	5.248272	40.0	724871.0	0.524827	Y
4	IC 480-752954/7	20.0	11.042318	40.0	570047.0	0.552116	Y
5	ICIS 480-752954/8	40.0	22.801191	40.0	682524.0	0.57003	Y
6	IC 480-752954/9	60.0	33.255957	40.0	714948.0	0.554266	Y
7	IC 480-752954/10	80.0	44.233111	40.0	668539.0	0.552914	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

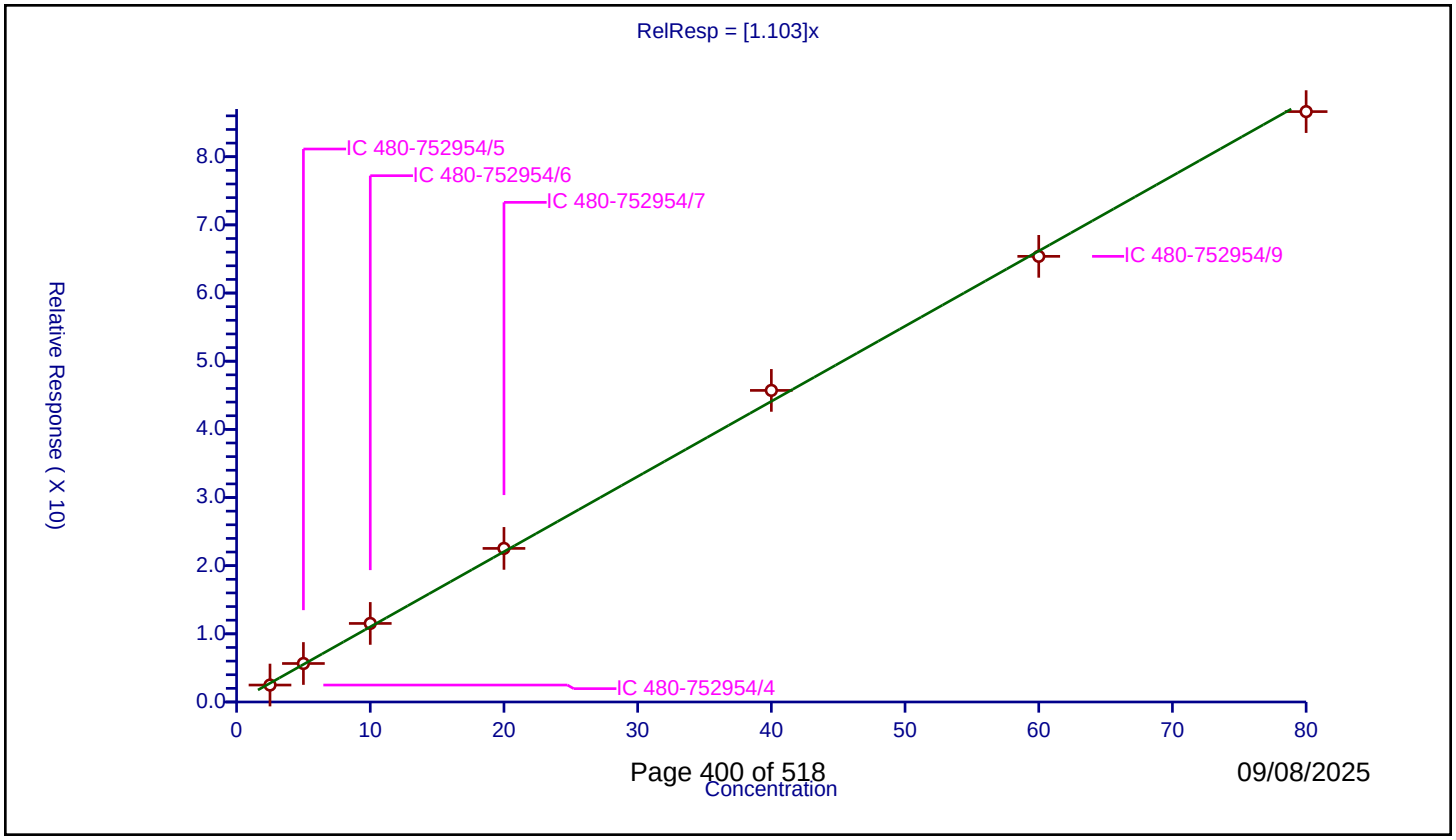
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.48787	40.0	669601.0	0.995148	Y
2	IC 480-752954/5	5.0	5.649275	40.0	649032.0	1.129855	Y
3	IC 480-752954/6	10.0	11.525582	40.0	724871.0	1.152558	Y
4	IC 480-752954/7	20.0	22.534984	40.0	570047.0	1.126749	Y
5	ICIS 480-752954/8	40.0	45.716663	40.0	682524.0	1.142917	Y
6	IC 480-752954/9	60.0	65.382433	40.0	714948.0	1.089707	Y
7	IC 480-752954/10	80.0	86.618671	40.0	668539.0	1.082733	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

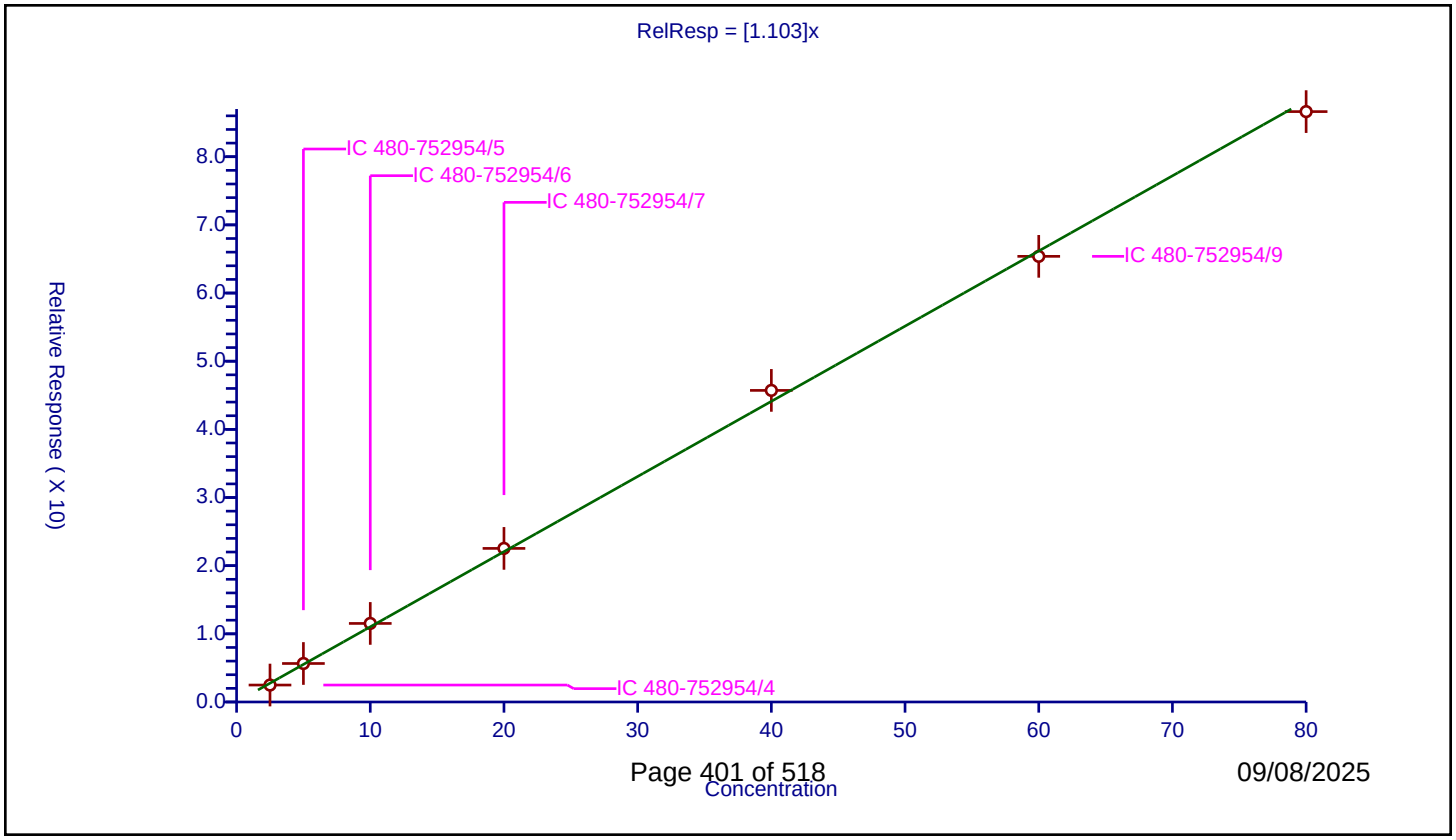
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.48787	40.0	669601.0	0.995148	Y
2	IC 480-752954/5	5.0	5.649275	40.0	649032.0	1.129855	Y
3	IC 480-752954/6	10.0	11.525582	40.0	724871.0	1.152558	Y
4	IC 480-752954/7	20.0	22.534984	40.0	570047.0	1.126749	Y
5	ICIS 480-752954/8	40.0	45.716663	40.0	682524.0	1.142917	Y
6	IC 480-752954/9	60.0	65.382433	40.0	714948.0	1.089707	Y
7	IC 480-752954/10	80.0	86.618671	40.0	668539.0	1.082733	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

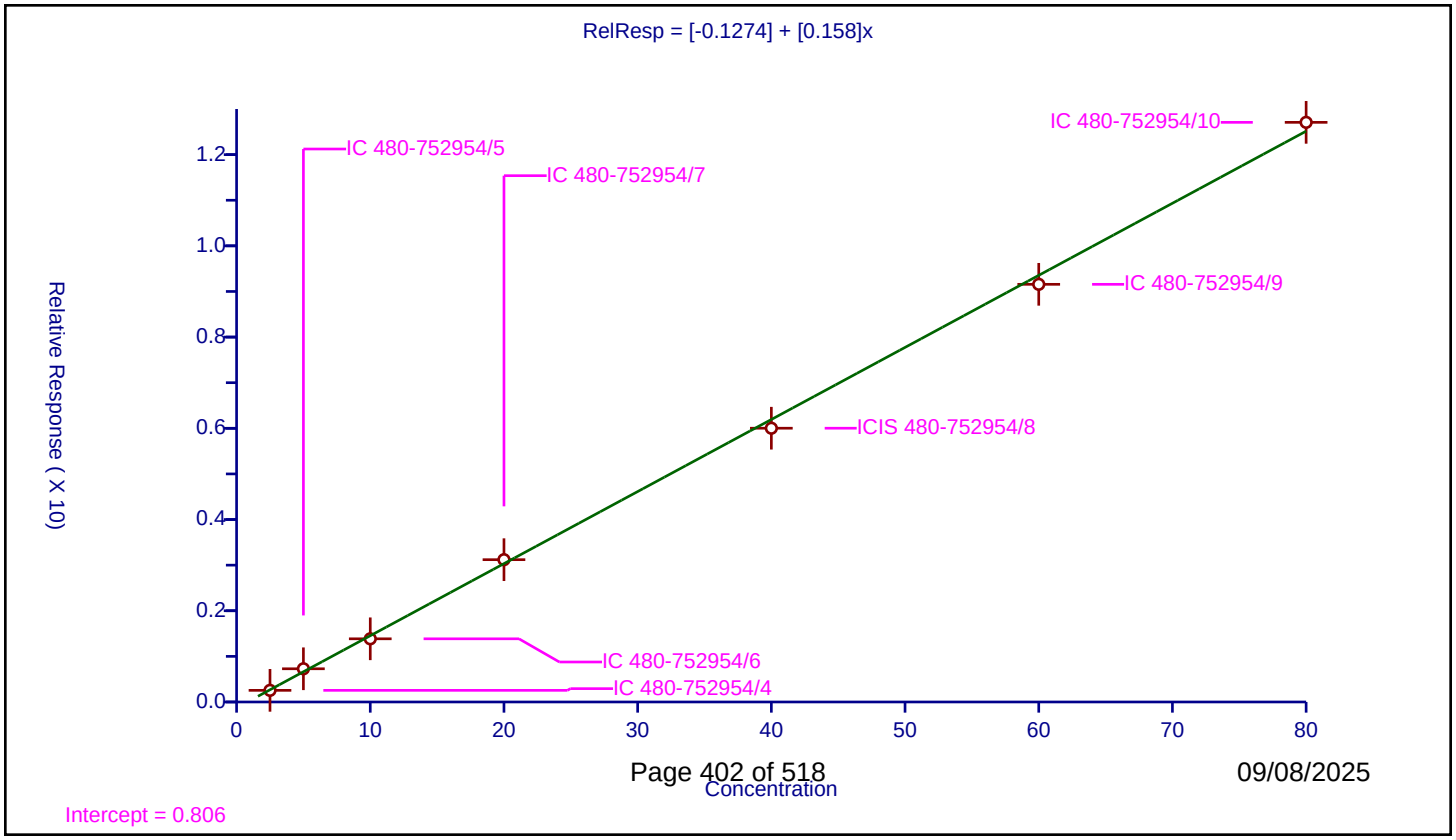
Curve Coefficients

Intercept:	-0.1274
Slope:	0.158

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.255018	40.0	669601.0	0.102007	Y
2	IC 480-752954/5	5.0	0.728161	40.0	649032.0	0.145632	Y
3	IC 480-752954/6	10.0	1.385019	40.0	724871.0	0.138502	Y
4	IC 480-752954/7	20.0	3.120094	40.0	570047.0	0.156005	Y
5	ICIS 480-752954/8	40.0	6.001899	40.0	682524.0	0.150047	Y
6	IC 480-752954/9	60.0	9.156862	40.0	714948.0	0.152614	Y
7	IC 480-752954/10	80.0	12.707531	40.0	668539.0	0.158844	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

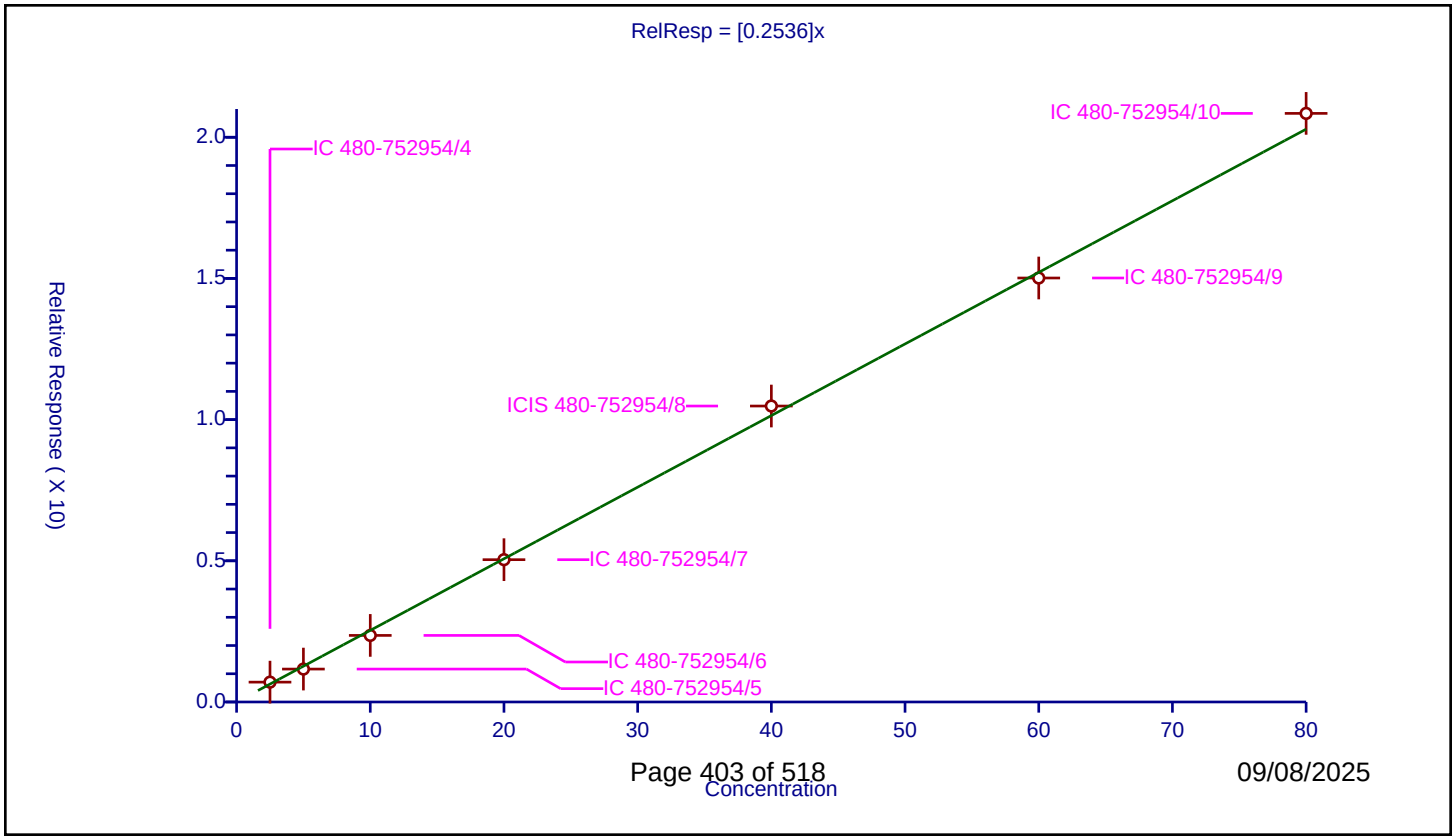
Curve Coefficients

Intercept:	0
Slope:	0.2536

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.703165	40.0	669601.0	0.281266	Y
2	IC 480-752954/5	5.0	1.165736	40.0	649032.0	0.233147	Y
3	IC 480-752954/6	10.0	2.357992	40.0	724871.0	0.235799	Y
4	IC 480-752954/7	20.0	5.039795	40.0	570047.0	0.25199	Y
5	ICIS 480-752954/8	40.0	10.481507	40.0	682524.0	0.262038	Y
6	IC 480-752954/9	60.0	15.015022	40.0	714948.0	0.25025	Y
7	IC 480-752954/10	80.0	20.845456	40.0	668539.0	0.260568	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

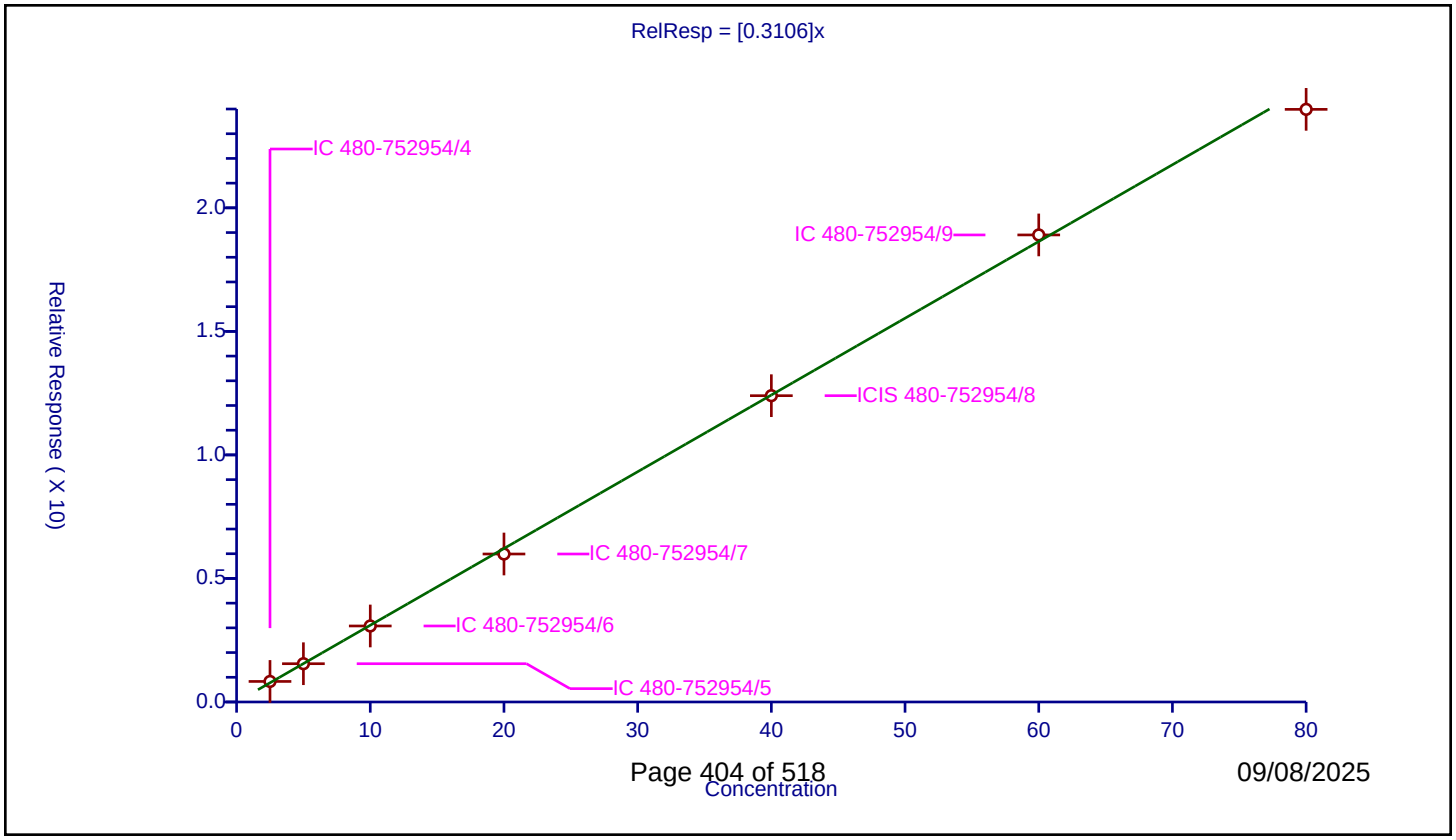
Curve Coefficients

Intercept:	0
Slope:	0.3106

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	0.831241	40.0	669601.0	0.332497	Y
2	IC 480-752954/5	5.0	1.549816	40.0	649032.0	0.309963	Y
3	IC 480-752954/6	10.0	3.076741	40.0	724871.0	0.307674	Y
4	IC 480-752954/7	20.0	5.989261	40.0	570047.0	0.299463	Y
5	ICIS 480-752954/8	40.0	12.396985	40.0	682524.0	0.309925	Y
6	IC 480-752954/9	60.0	18.903081	40.0	714948.0	0.315051	Y
7	IC 480-752954/10	80.0	23.985437	40.0	668539.0	0.299818	Y



Calibration / Atrazine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

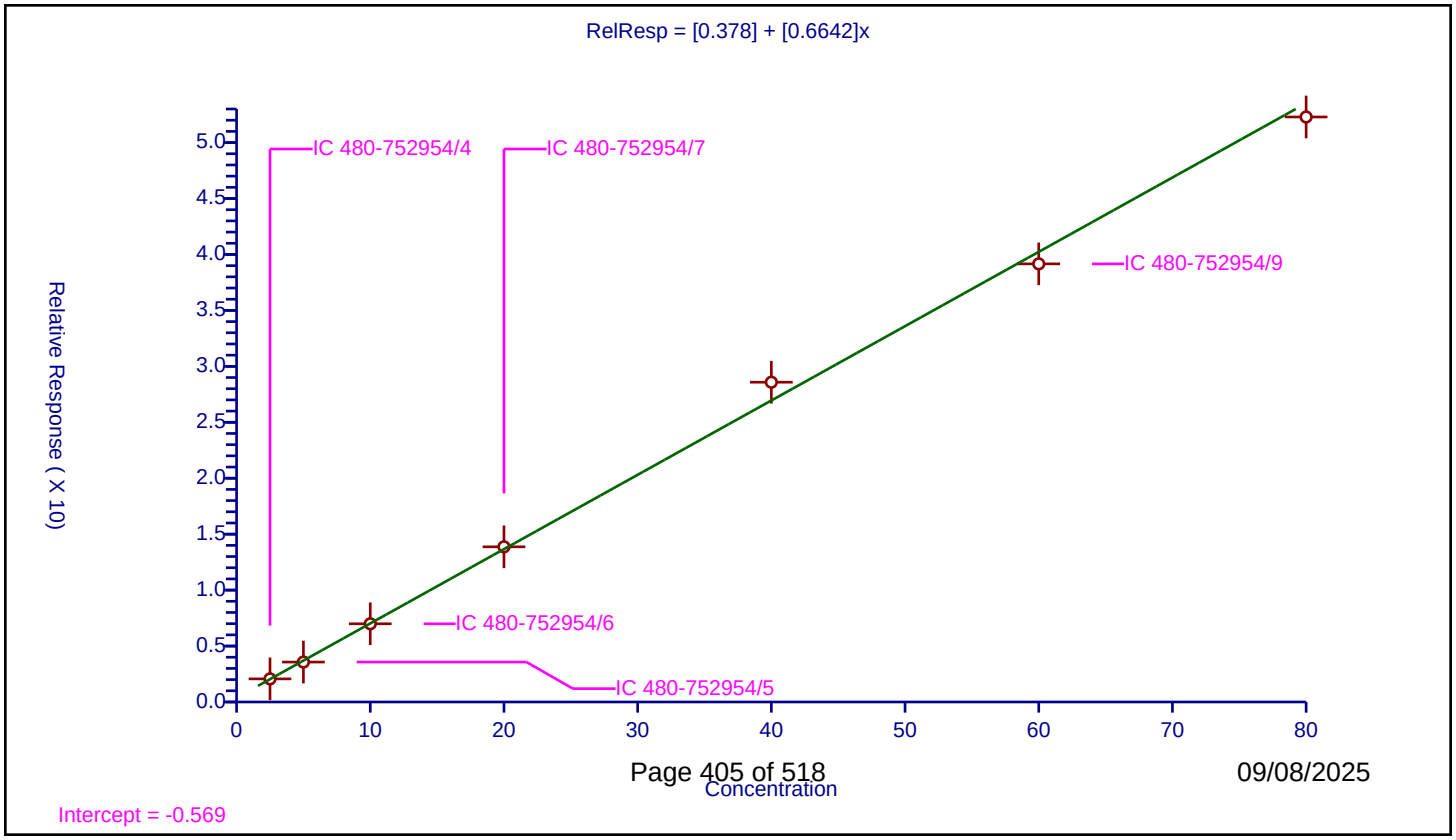
Curve Coefficients

Intercept:	0.378
Slope:	0.6642

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.066346	40.0	325444.0	0.826539	Y
2	IC 480-752954/5	5.0	3.570173	40.0	333250.0	0.714035	Y
3	IC 480-752954/6	10.0	6.988879	40.0	359411.0	0.698888	Y
4	IC 480-752954/7	20.0	13.868474	40.0	294178.0	0.693424	Y
5	ICIS 480-752954/8	40.0	28.582194	40.0	340780.0	0.714555	Y
6	IC 480-752954/9	60.0	39.159371	40.0	369628.0	0.652656	Y
7	IC 480-752954/10	80.0	52.287288	40.0	343822.0	0.653591	Y



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Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

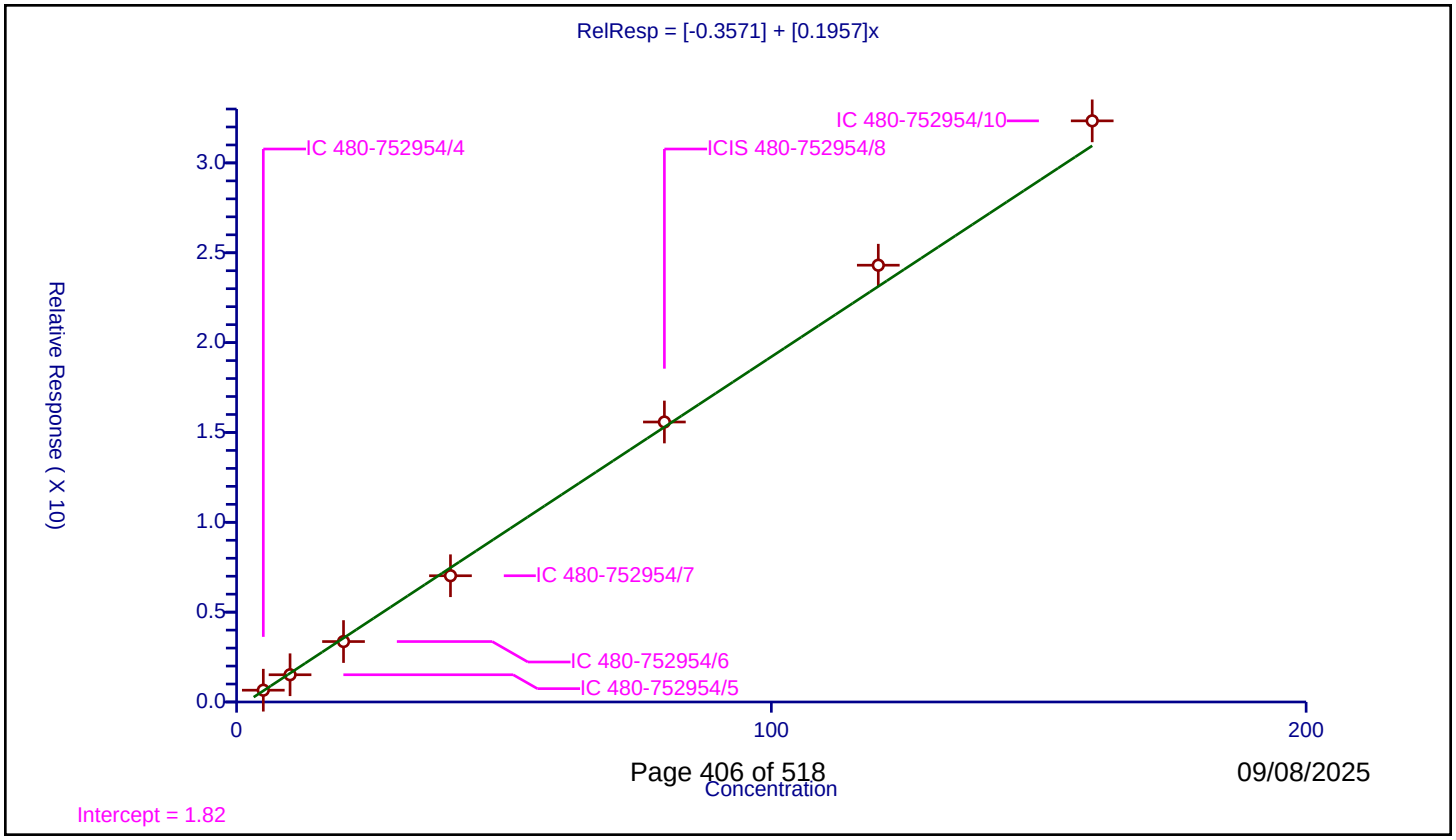
Curve Coefficients

Intercept:	-0.3571
Slope:	0.1957

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	0.656749	40.0	669601.0	0.13135	Y
2	IC 480-752954/5	10.0	1.516535	40.0	649032.0	0.151654	Y
3	IC 480-752954/6	20.0	3.363302	40.0	724871.0	0.168165	Y
4	IC 480-752954/7	40.0	7.026438	40.0	570047.0	0.175661	Y
5	ICIS 480-752954/8	80.0	15.581049	40.0	682524.0	0.194763	Y
6	IC 480-752954/9	120.0	24.307894	40.0	714948.0	0.202566	Y
7	IC 480-752954/10	160.0	32.34109	40.0	668539.0	0.202132	Y



Calibration / n-Octadecane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

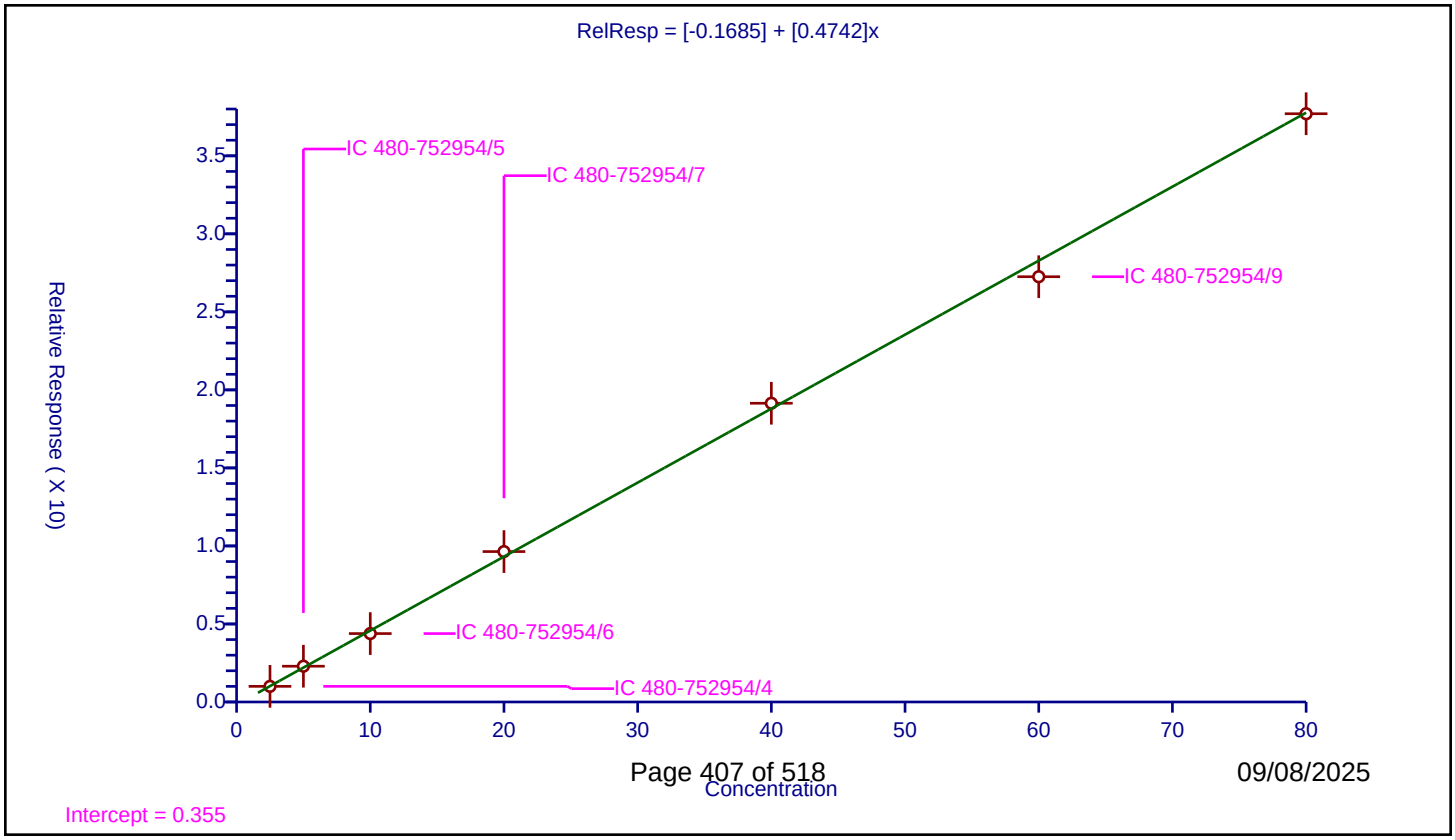
Curve Coefficients

Intercept:	-0.1685
Slope:	0.4742

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.001492	40.0	669601.0	0.400597	Y
2	IC 480-752954/5	5.0	2.292707	40.0	649032.0	0.458541	Y
3	IC 480-752954/6	10.0	4.384891	40.0	724871.0	0.438489	Y
4	IC 480-752954/7	20.0	9.638995	40.0	570047.0	0.48195	Y
5	ICIS 480-752954/8	40.0	19.143473	40.0	682524.0	0.478587	Y
6	IC 480-752954/9	60.0	27.252276	40.0	714948.0	0.454205	Y
7	IC 480-752954/10	80.0	37.696888	40.0	668539.0	0.471211	Y



Calibration / Phenanthrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

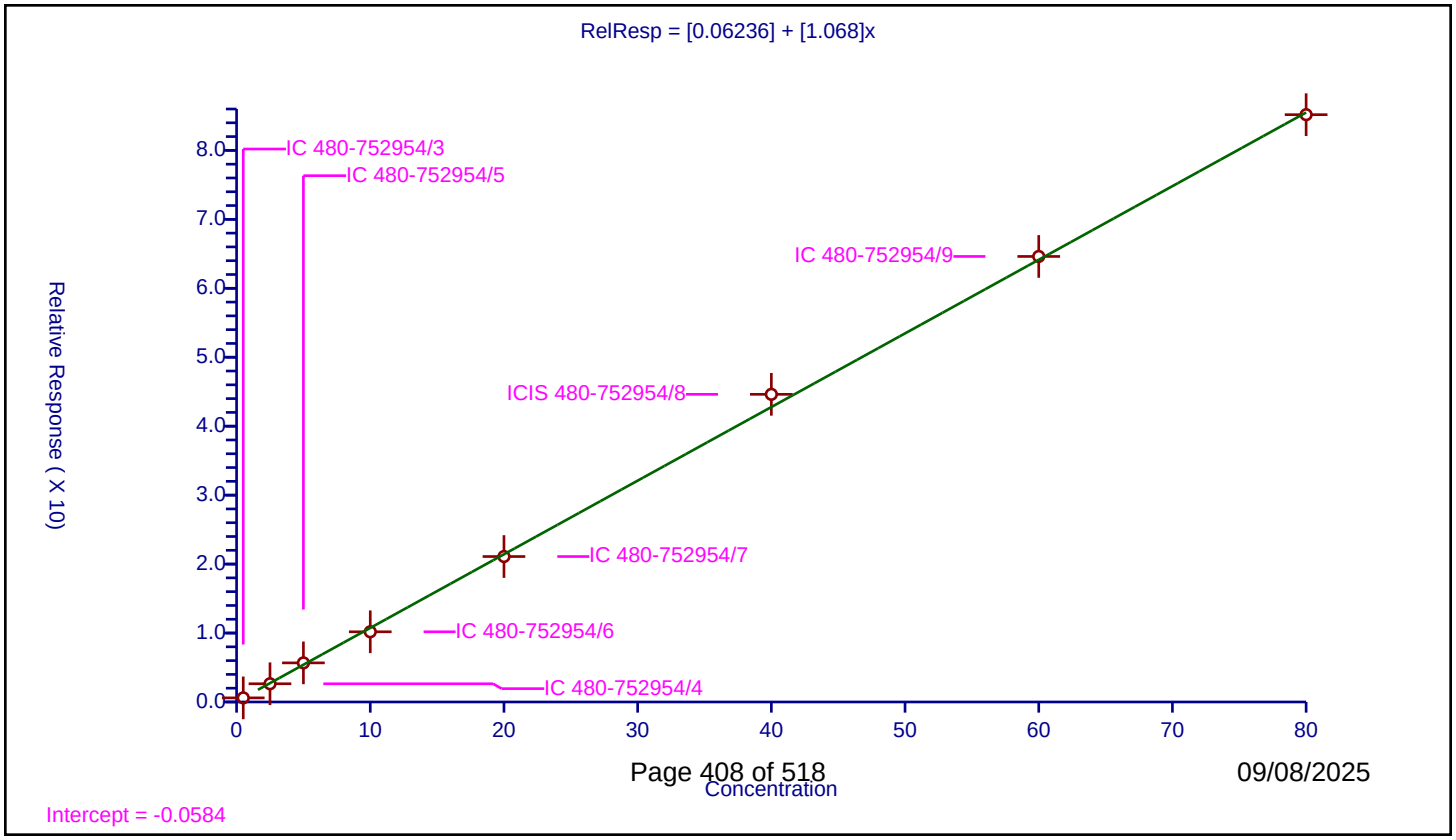
Curve Coefficients

Intercept:	0.06236
Slope:	1.068

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.59853	40.0	632951.0	1.197059	Y
2	IC 480-752954/4	2.5	2.641573	40.0	669601.0	1.056629	Y
3	IC 480-752954/5	5.0	5.670106	40.0	649032.0	1.134021	Y
4	IC 480-752954/6	10.0	10.18217	40.0	724871.0	1.018217	Y
5	IC 480-752954/7	20.0	21.095313	40.0	570047.0	1.054766	Y
6	ICIS 480-752954/8	40.0	44.619852	40.0	682524.0	1.115496	Y
7	IC 480-752954/9	60.0	64.61807	40.0	714948.0	1.076968	Y
8	IC 480-752954/10	80.0	85.179653	40.0	668539.0	1.064746	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

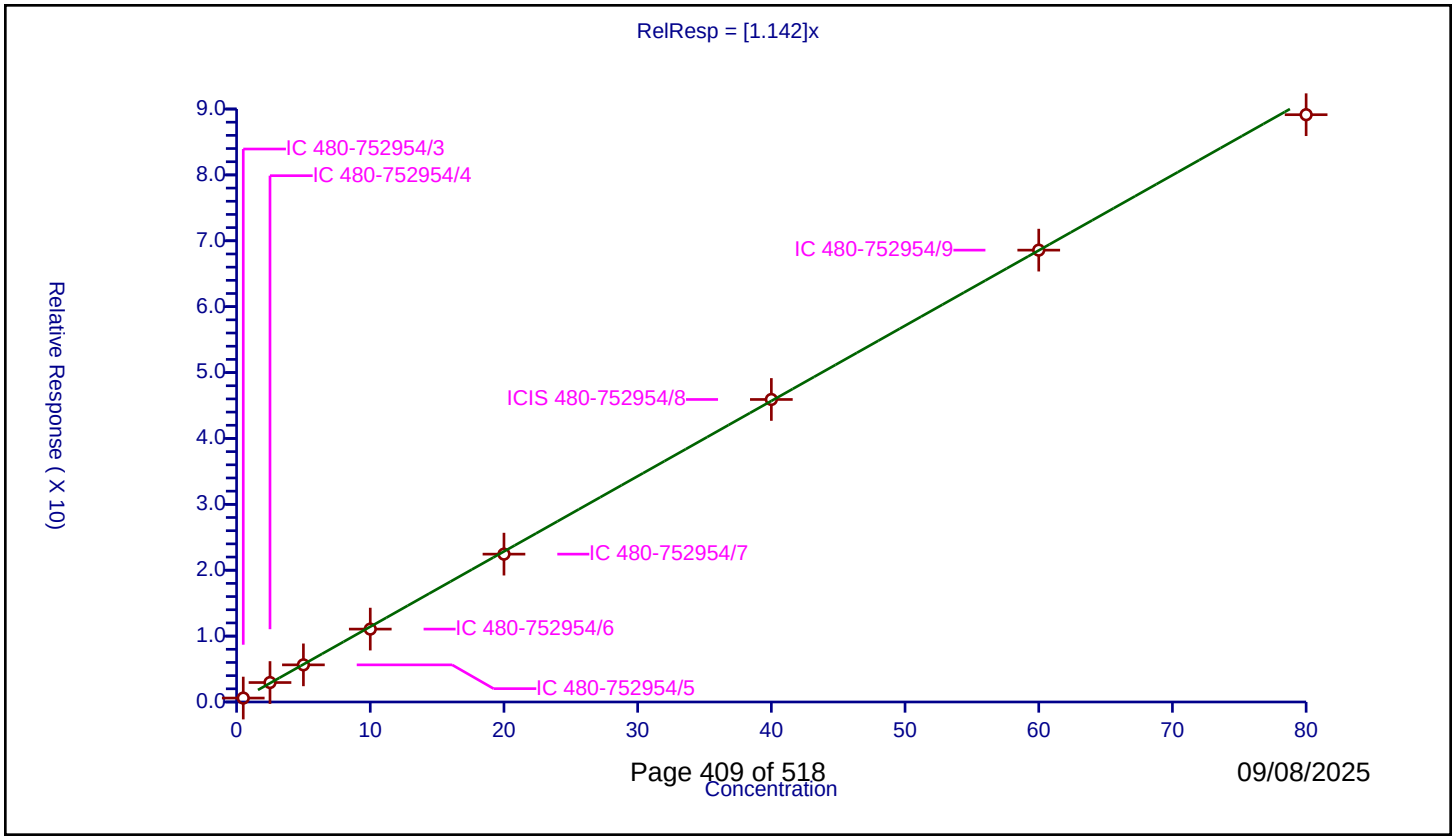
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.598277	40.0	632951.0	1.196554	Y
2	IC 480-752954/4	2.5	2.953938	40.0	669601.0	1.181575	Y
3	IC 480-752954/5	5.0	5.634052	40.0	649032.0	1.12681	Y
4	IC 480-752954/6	10.0	11.062106	40.0	724871.0	1.106211	Y
5	IC 480-752954/7	20.0	22.441448	40.0	570047.0	1.122072	Y
6	ICIS 480-752954/8	40.0	45.913814	40.0	682524.0	1.147845	Y
7	IC 480-752954/9	60.0	68.582442	40.0	714948.0	1.143041	Y
8	IC 480-752954/10	80.0	89.137537	40.0	668539.0	1.114219	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

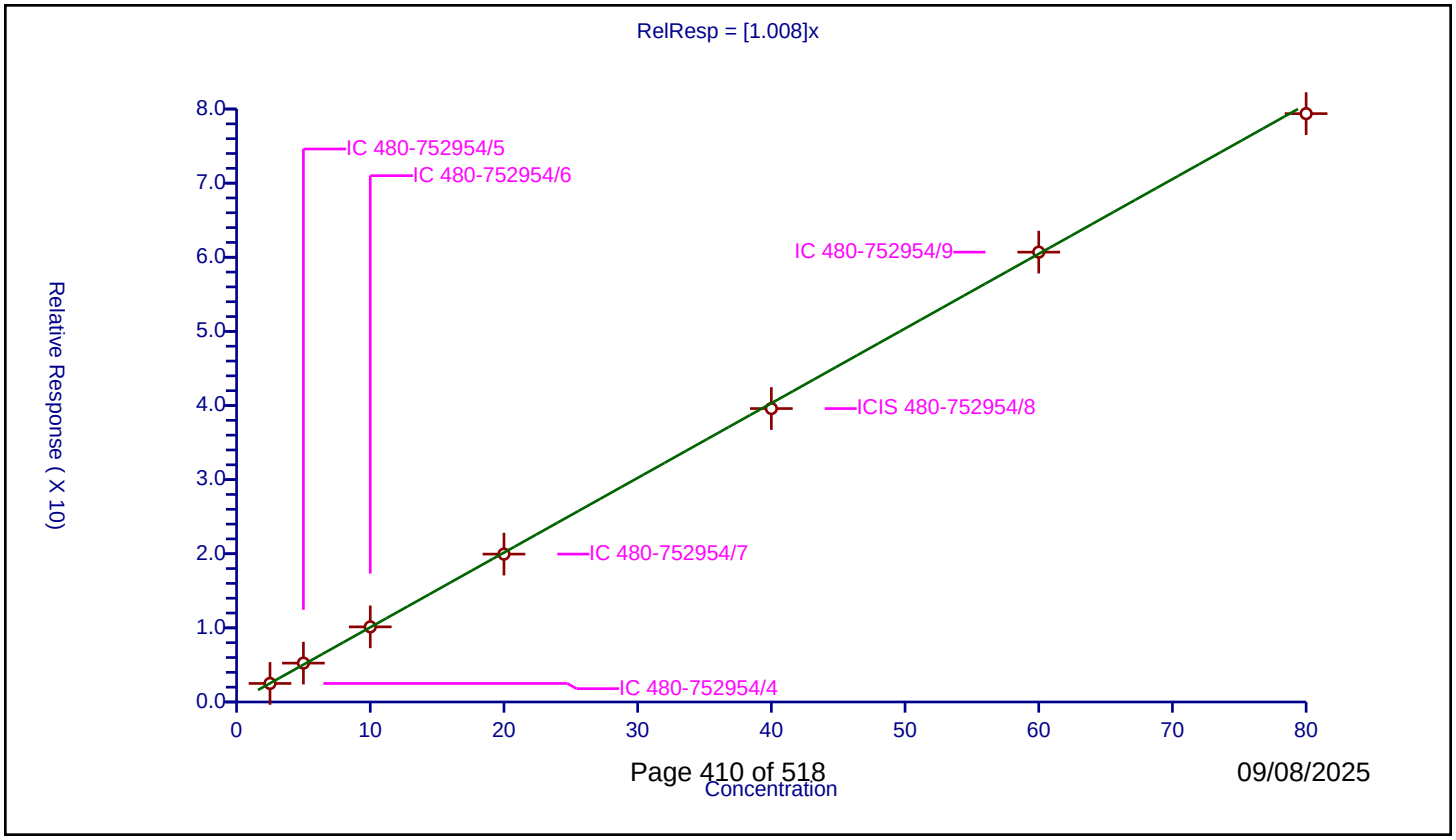
Curve Coefficients

Intercept:	0
Slope:	1.008

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.500534	40.0	669601.0	1.000214	Y
2	IC 480-752954/5	5.0	5.245165	40.0	649032.0	1.049033	Y
3	IC 480-752954/6	10.0	10.13521	40.0	724871.0	1.013521	Y
4	IC 480-752954/7	20.0	19.952039	40.0	570047.0	0.997602	Y
5	ICIS 480-752954/8	40.0	39.587765	40.0	682524.0	0.989694	Y
6	IC 480-752954/9	60.0	60.691687	40.0	714948.0	1.011528	Y
7	IC 480-752954/10	80.0	79.376192	40.0	668539.0	0.992202	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

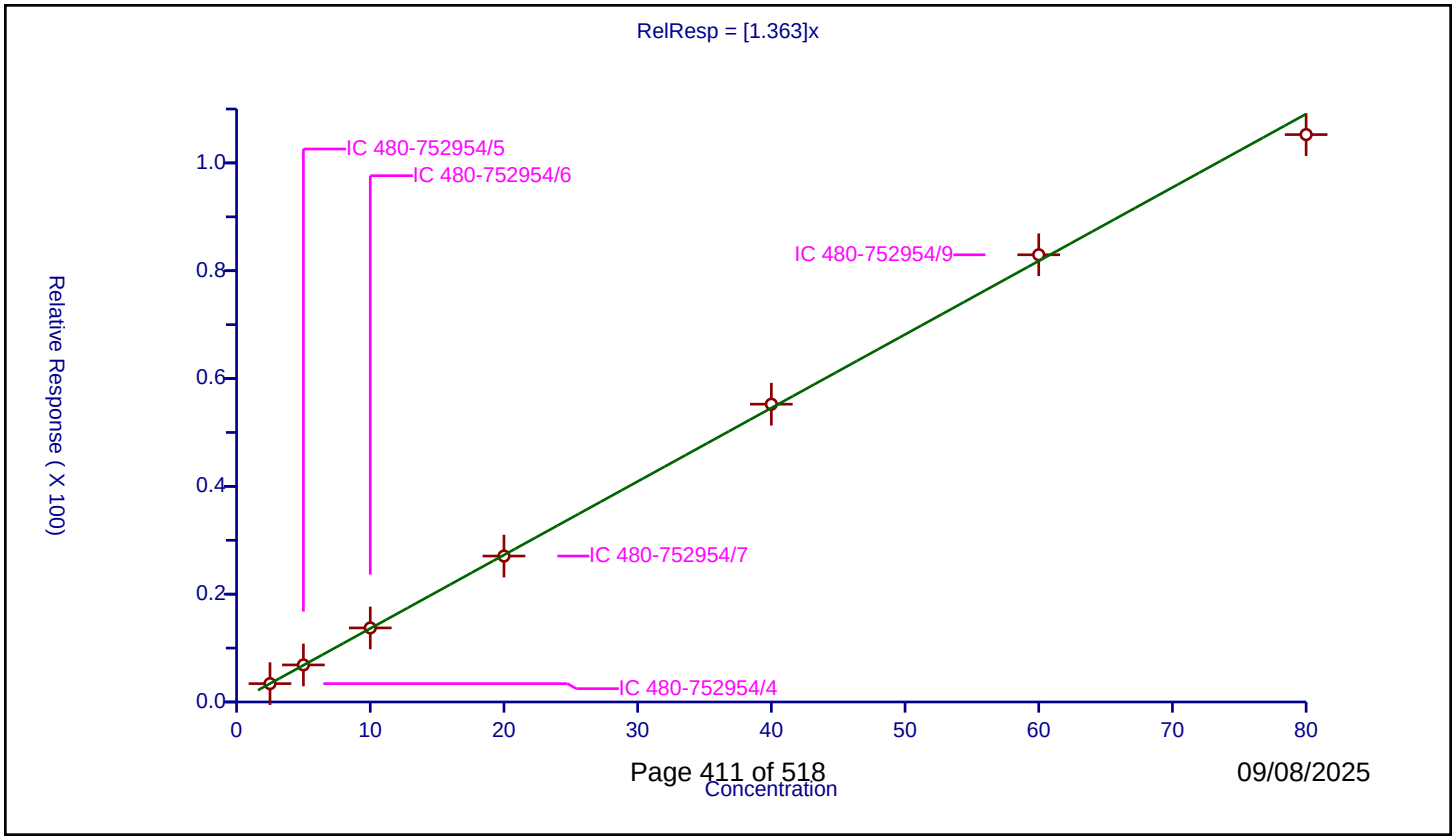
Curve Coefficients

Intercept:	0
Slope:	1.363

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.405371	40.0	669601.0	1.362149	Y
2	IC 480-752954/5	5.0	6.875901	40.0	649032.0	1.37518	Y
3	IC 480-752954/6	10.0	13.740376	40.0	724871.0	1.374038	Y
4	IC 480-752954/7	20.0	27.070259	40.0	570047.0	1.353513	Y
5	ICIS 480-752954/8	40.0	55.243772	40.0	682524.0	1.381094	Y
6	IC 480-752954/9	60.0	82.958593	40.0	714948.0	1.382643	Y
7	IC 480-752954/10	80.0	105.258242	40.0	668539.0	1.315728	Y



Calibration / Fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

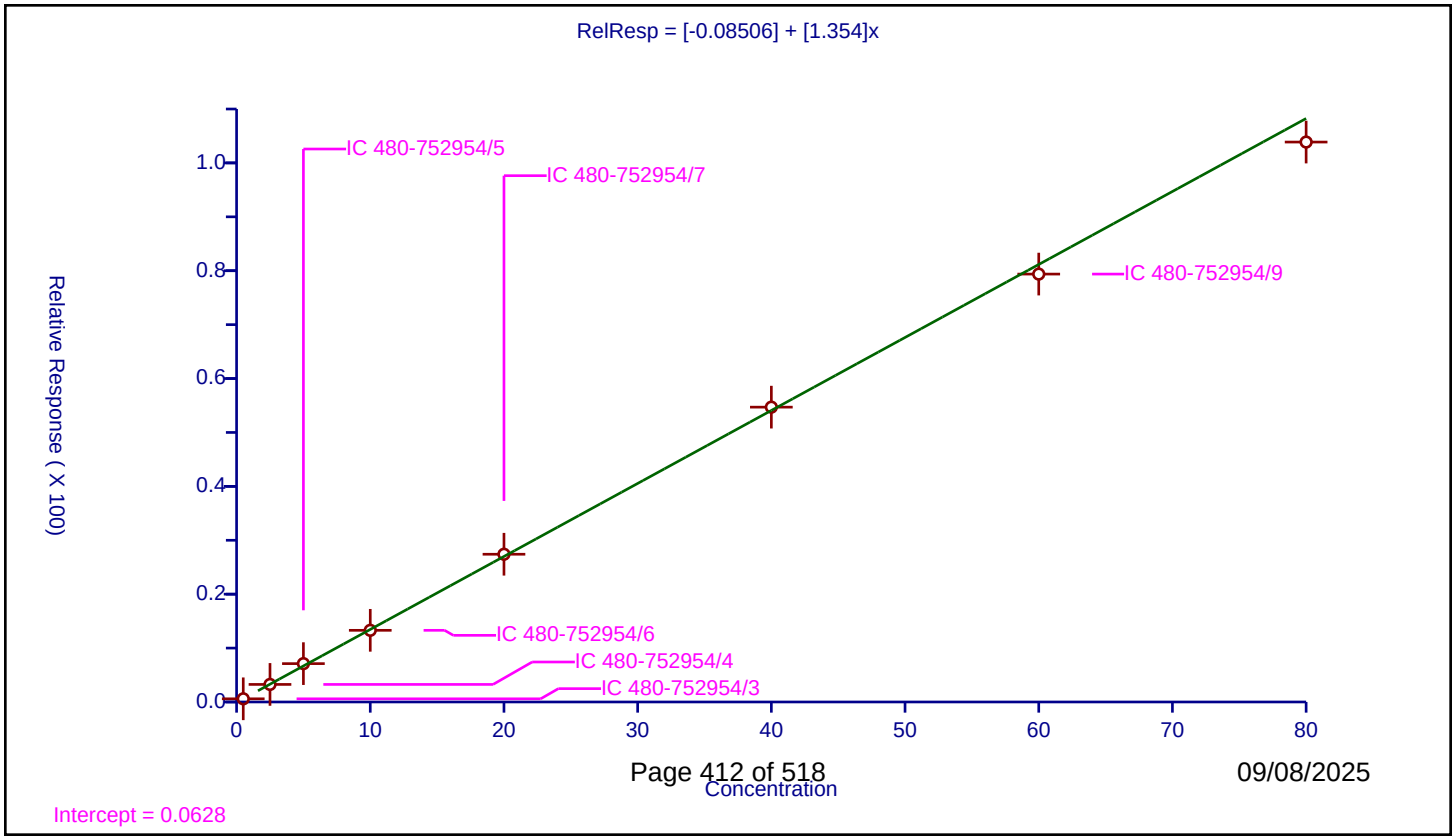
Curve Coefficients

Intercept:	-0.08506
Slope:	1.354

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.589745	40.0	632951.0	1.179491	Y
2	IC 480-752954/4	2.5	3.257403	40.0	669601.0	1.302961	Y
3	IC 480-752954/5	5.0	7.115273	40.0	649032.0	1.423055	Y
4	IC 480-752954/6	10.0	13.29638	40.0	724871.0	1.329638	Y
5	IC 480-752954/7	20.0	27.408407	40.0	570047.0	1.37042	Y
6	ICIS 480-752954/8	40.0	54.69604	40.0	682524.0	1.367401	Y
7	IC 480-752954/9	60.0	79.377018	40.0	714948.0	1.32295	Y
8	IC 480-752954/10	80.0	103.873252	40.0	668539.0	1.298416	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

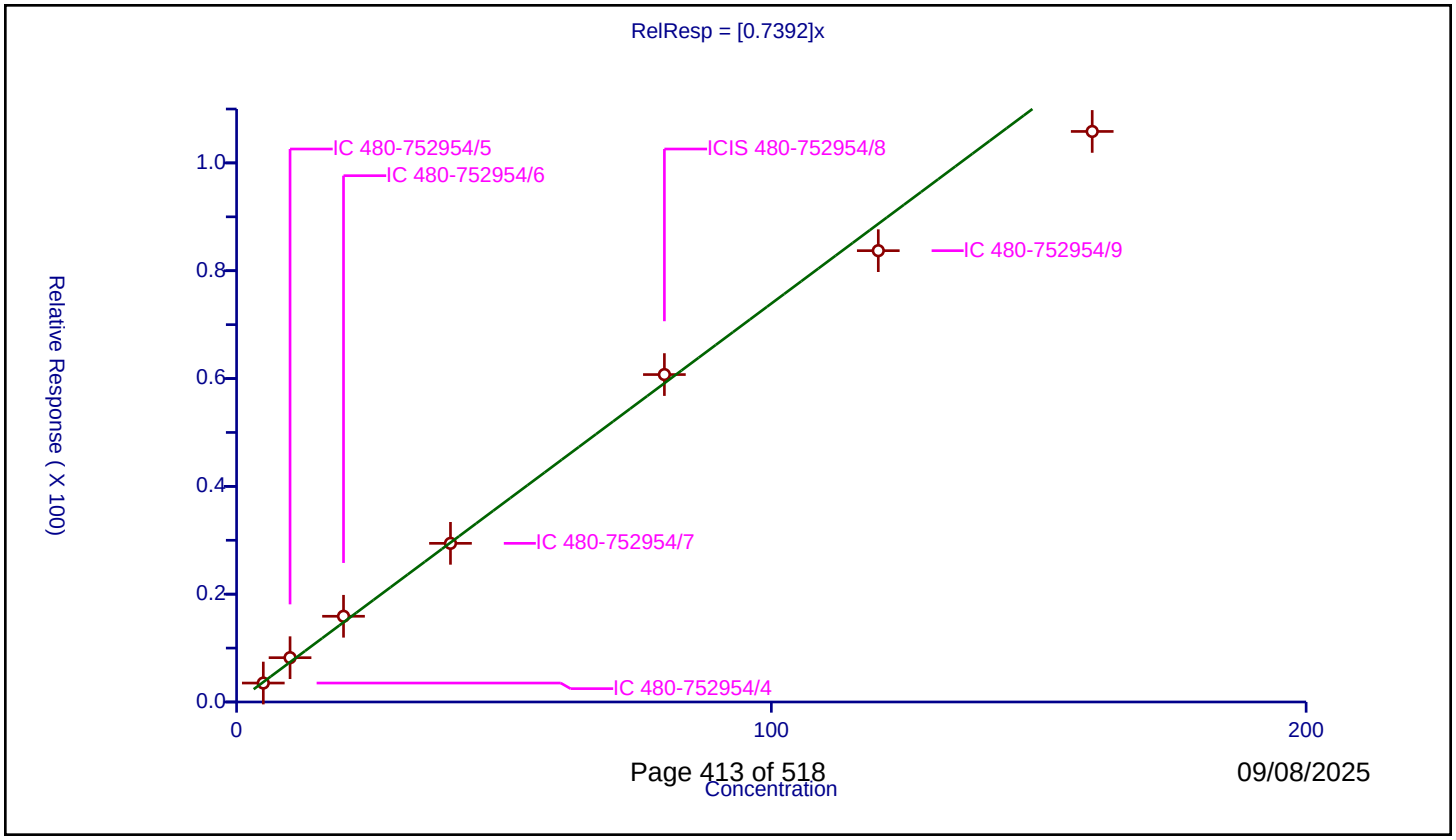
Curve Coefficients

Intercept:	0
Slope:	0.7392

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	3.514011	40.0	713737.0	0.702802	Y
2	IC 480-752954/5	10.0	8.221524	40.0	672216.0	0.822152	Y
3	IC 480-752954/6	20.0	15.90059	40.0	762578.0	0.795029	Y
4	IC 480-752954/7	40.0	29.429376	40.0	617920.0	0.735734	Y
5	ICIS 480-752954/8	80.0	60.737367	40.0	707002.0	0.759217	Y
6	IC 480-752954/9	120.0	83.720557	40.0	751038.0	0.697671	Y
7	IC 480-752954/10	160.0	105.838192	40.0	724303.0	0.661489	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

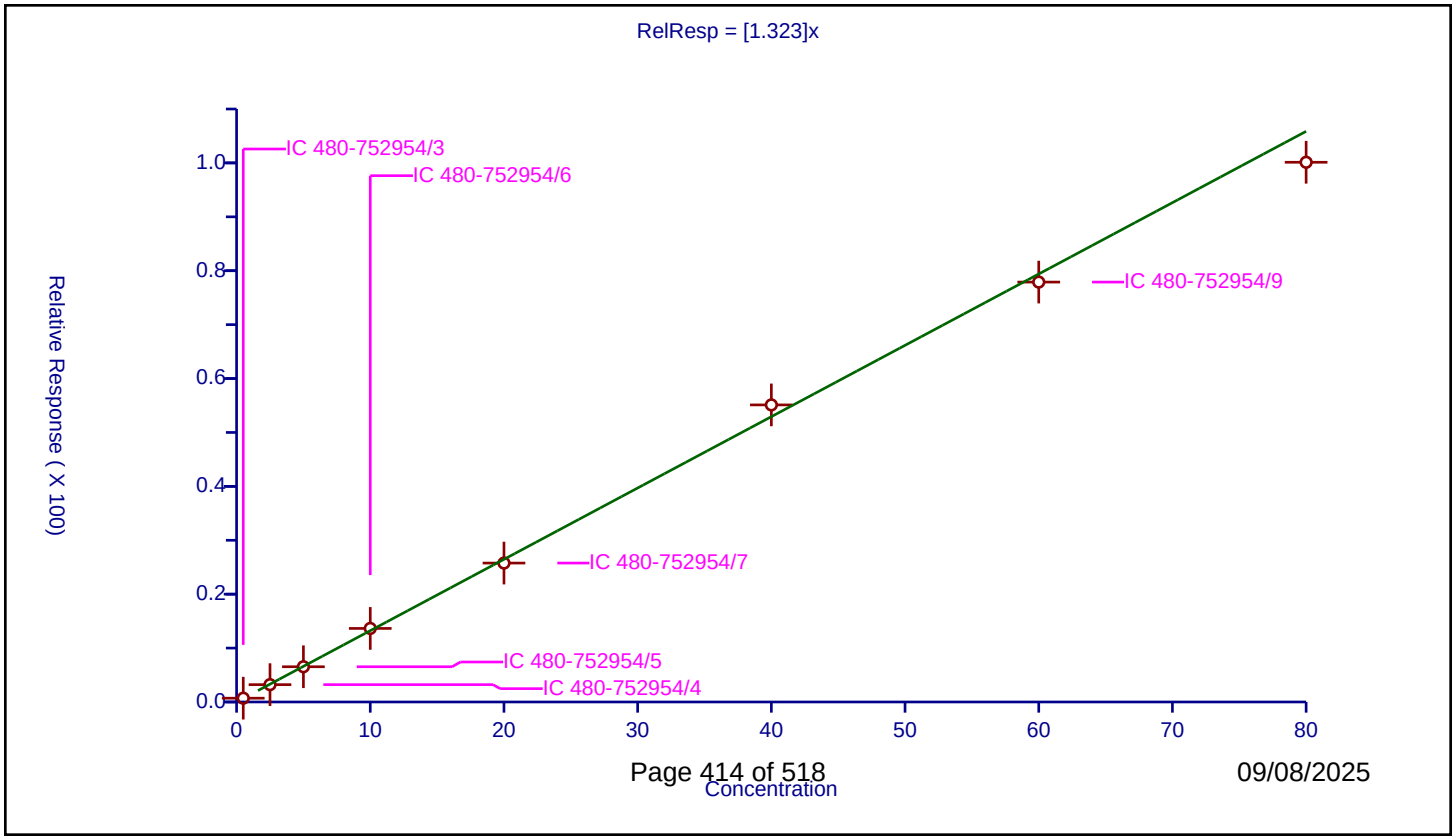
Curve Coefficients

Intercept:	0
Slope:	1.323

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.704857	40.0	650118.0	1.409713	Y
2	IC 480-752954/4	2.5	3.218665	40.0	713737.0	1.287466	Y
3	IC 480-752954/5	5.0	6.539029	40.0	672216.0	1.307806	Y
4	IC 480-752954/6	10.0	13.647076	40.0	762578.0	1.364708	Y
5	IC 480-752954/7	20.0	25.769096	40.0	617920.0	1.288455	Y
6	ICIS 480-752954/8	40.0	55.110735	40.0	707002.0	1.377768	Y
7	IC 480-752954/9	60.0	77.897363	40.0	751038.0	1.298289	Y
8	IC 480-752954/10	80.0	100.122849	40.0	724303.0	1.251536	Y



Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

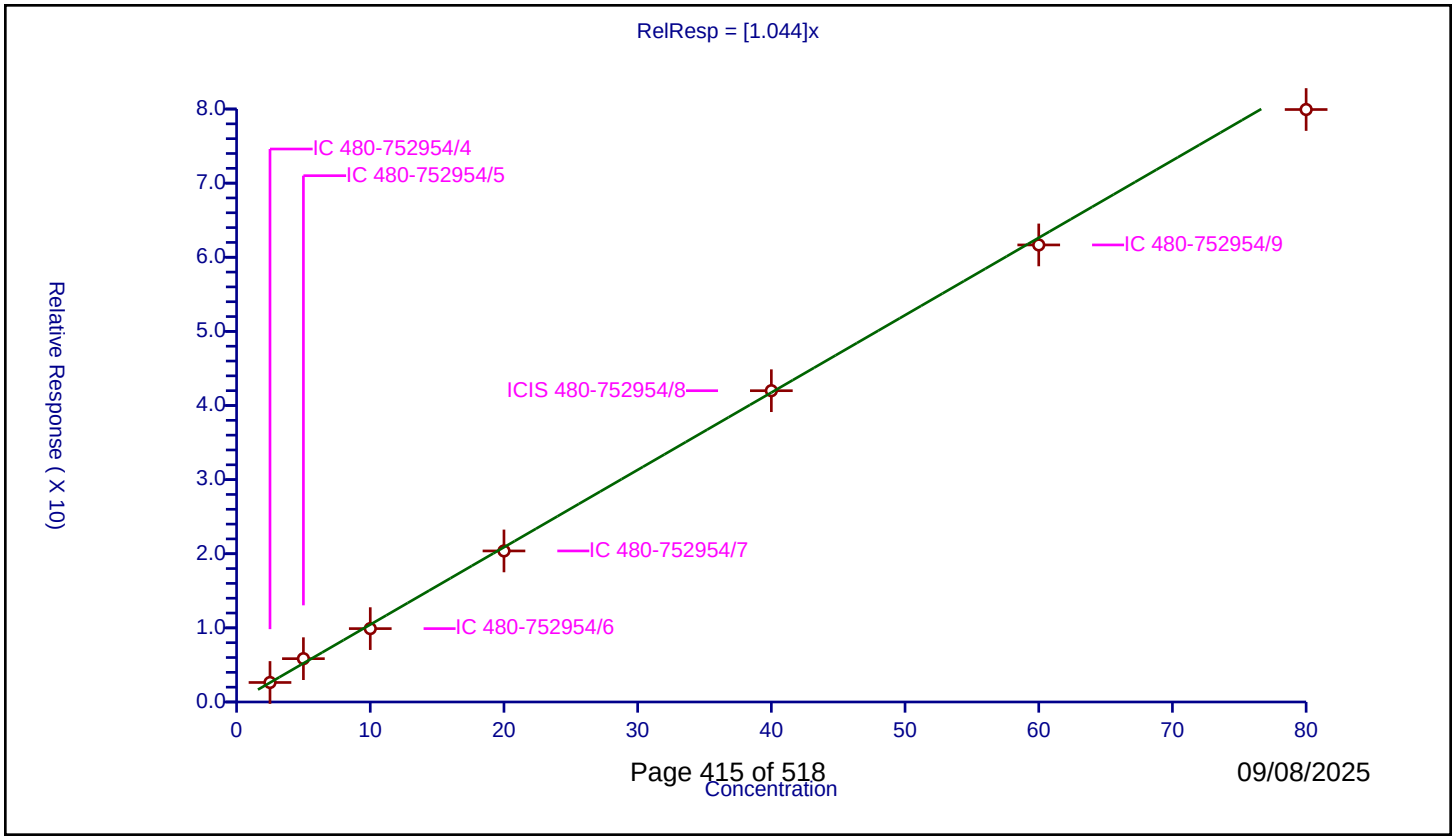
Curve Coefficients

Intercept:	0
Slope:	1.044

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.630829	40.0	713737.0	1.052332	Y
2	IC 480-752954/5	5.0	5.843122	40.0	672216.0	1.168624	Y
3	IC 480-752954/6	10.0	9.897742	40.0	762578.0	0.989774	Y
4	IC 480-752954/7	20.0	20.377395	40.0	617920.0	1.01887	Y
5	ICIS 480-752954/8	40.0	41.996034	40.0	707002.0	1.049901	Y
6	IC 480-752954/9	60.0	61.661327	40.0	751038.0	1.027689	Y
7	IC 480-752954/10	80.0	79.93141	40.0	724303.0	0.999143	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

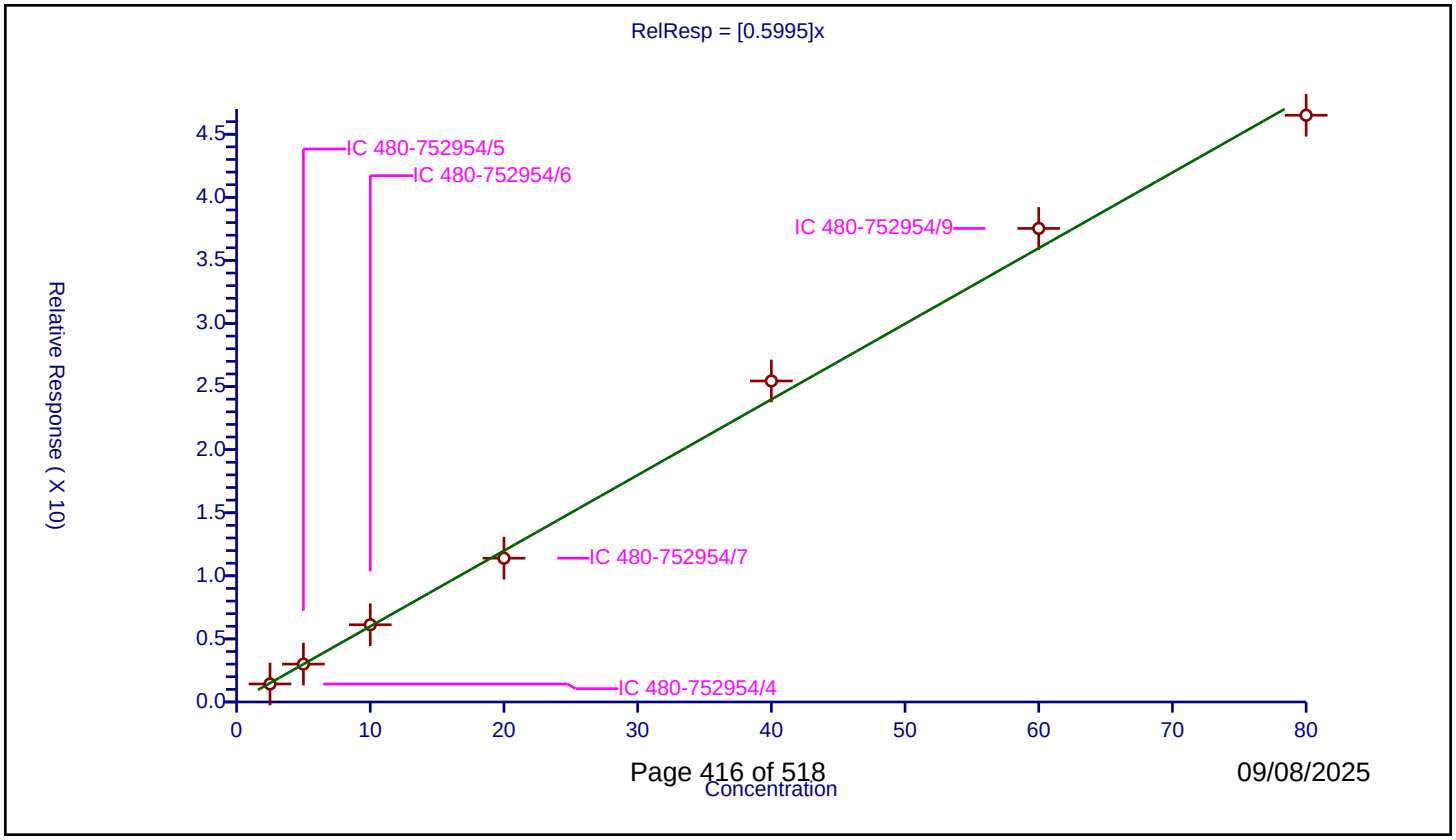
Curve Coefficients

Intercept:	0
Slope:	0.5995

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	1.427809	40.0	713737.0	0.571124	Y
2	IC 480-752954/5	5.0	3.001535	40.0	672216.0	0.600307	Y
3	IC 480-752954/6	10.0	6.122495	40.0	762578.0	0.61225	Y
4	IC 480-752954/7	20.0	11.397204	40.0	617920.0	0.56986	Y
5	ICIS 480-752954/8	40.0	25.442757	40.0	707002.0	0.636069	Y
6	IC 480-752954/9	60.0	37.535358	40.0	751038.0	0.625589	Y
7	IC 480-752954/10	80.0	46.507001	40.0	724303.0	0.581338	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

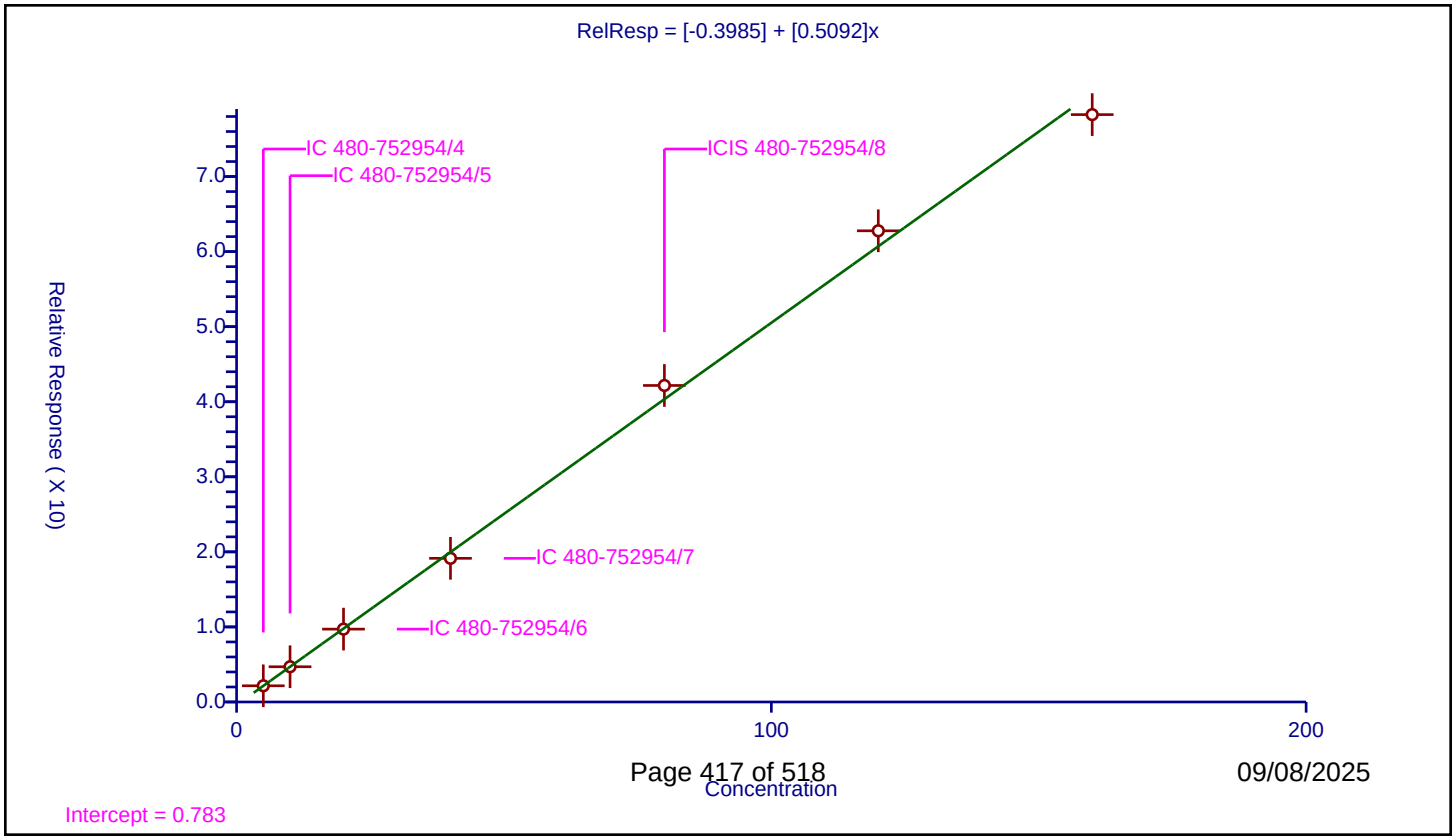
Curve Coefficients

Intercept:	-0.3985
Slope:	0.5092

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	5.0	2.156929	40.0	713737.0	0.431386	Y
2	IC 480-752954/5	10.0	4.694265	40.0	672216.0	0.469426	Y
3	IC 480-752954/6	20.0	9.709433	40.0	762578.0	0.485472	Y
4	IC 480-752954/7	40.0	19.139953	40.0	617920.0	0.478499	Y
5	ICIS 480-752954/8	80.0	42.170234	40.0	707002.0	0.527128	Y
6	IC 480-752954/9	120.0	62.773442	40.0	751038.0	0.523112	Y
7	IC 480-752954/10	160.0	78.254432	40.0	724303.0	0.48909	Y



09/08/2025

Calibration / Benzo[a]anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

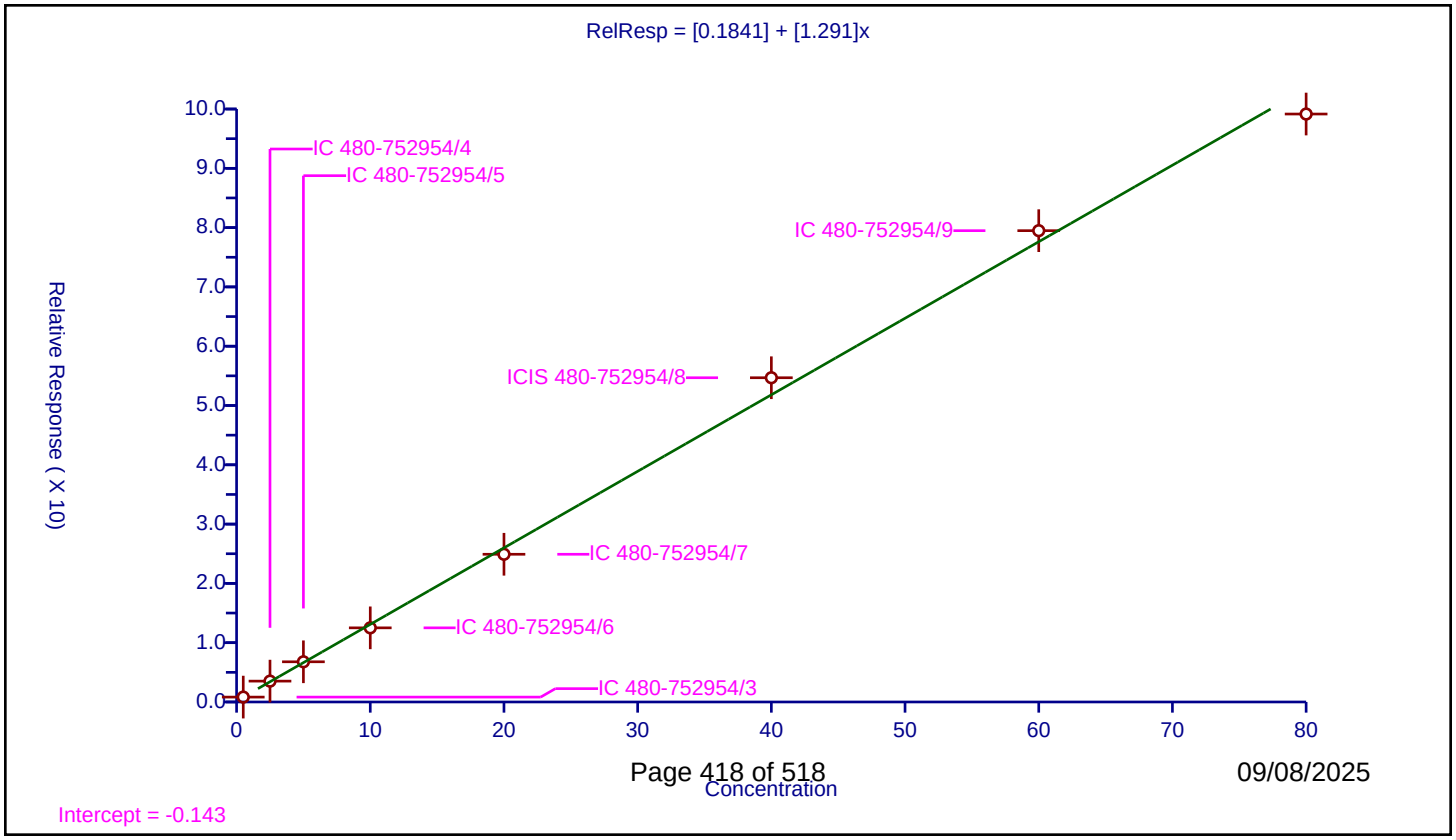
Curve Coefficients

Intercept:	0.1841
Slope:	1.291

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.82545	40.0	650118.0	1.6509	Y
2	IC 480-752954/4	2.5	3.516982	40.0	713737.0	1.406793	Y
3	IC 480-752954/5	5.0	6.777405	40.0	672216.0	1.355481	Y
4	IC 480-752954/6	10.0	12.50516	40.0	762578.0	1.250516	Y
5	IC 480-752954/7	20.0	24.910927	40.0	617920.0	1.245546	Y
6	ICIS 480-752954/8	40.0	54.680411	40.0	707002.0	1.36701	Y
7	IC 480-752954/9	60.0	79.486151	40.0	751038.0	1.324769	Y
8	IC 480-752954/10	80.0	99.156458	40.0	724303.0	1.239456	Y



09/08/2025

Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

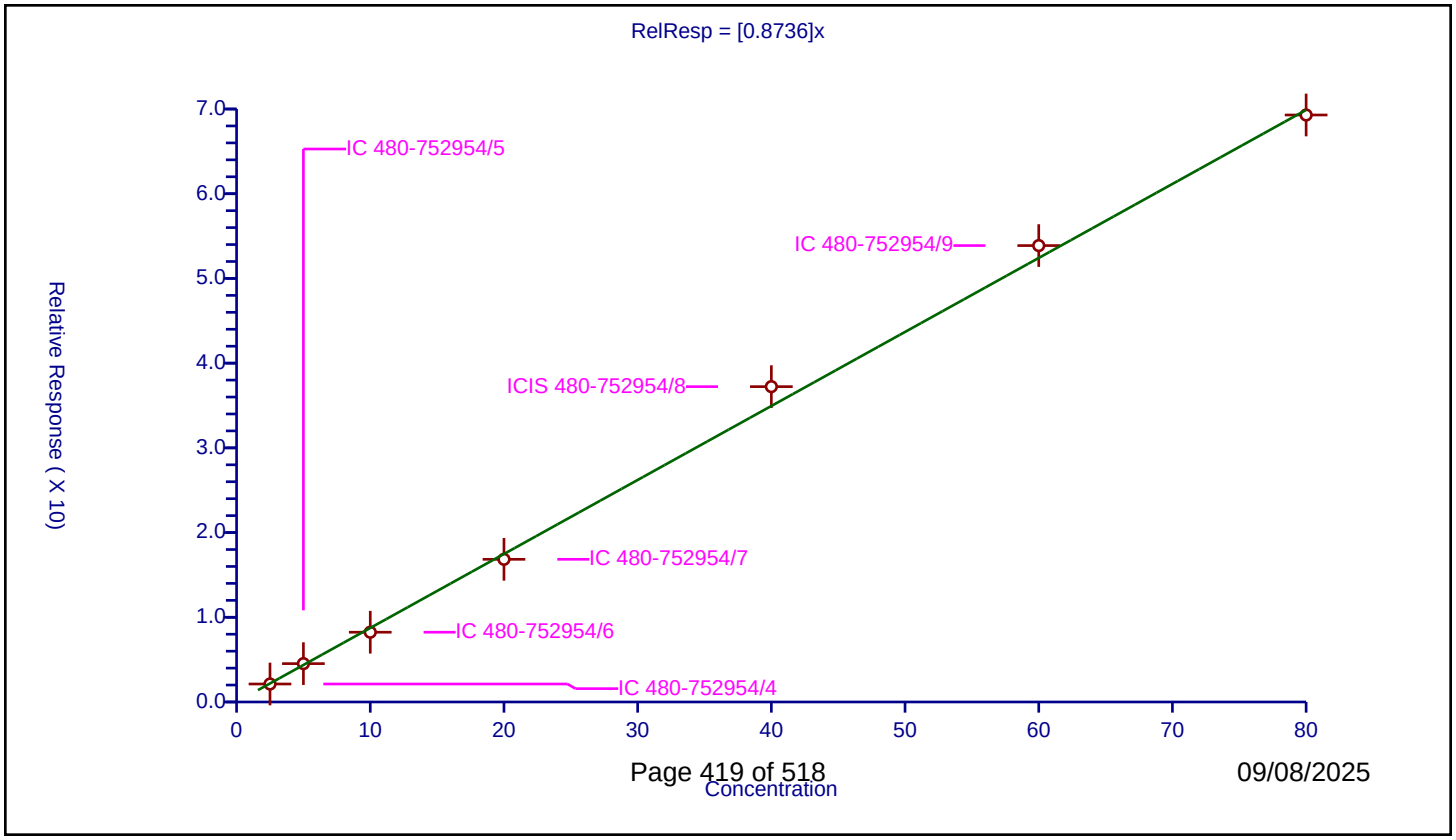
Curve Coefficients

Intercept:	0
Slope:	0.8736

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	2.123359	40.0	713737.0	0.849344	Y
2	IC 480-752954/5	5.0	4.527176	40.0	672216.0	0.905435	Y
3	IC 480-752954/6	10.0	8.236692	40.0	762578.0	0.823669	Y
4	IC 480-752954/7	20.0	16.842374	40.0	617920.0	0.842119	Y
5	ICIS 480-752954/8	40.0	37.227448	40.0	707002.0	0.930686	Y
6	IC 480-752954/9	60.0	53.879617	40.0	751038.0	0.897994	Y
7	IC 480-752954/10	80.0	69.29448	40.0	724303.0	0.866181	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

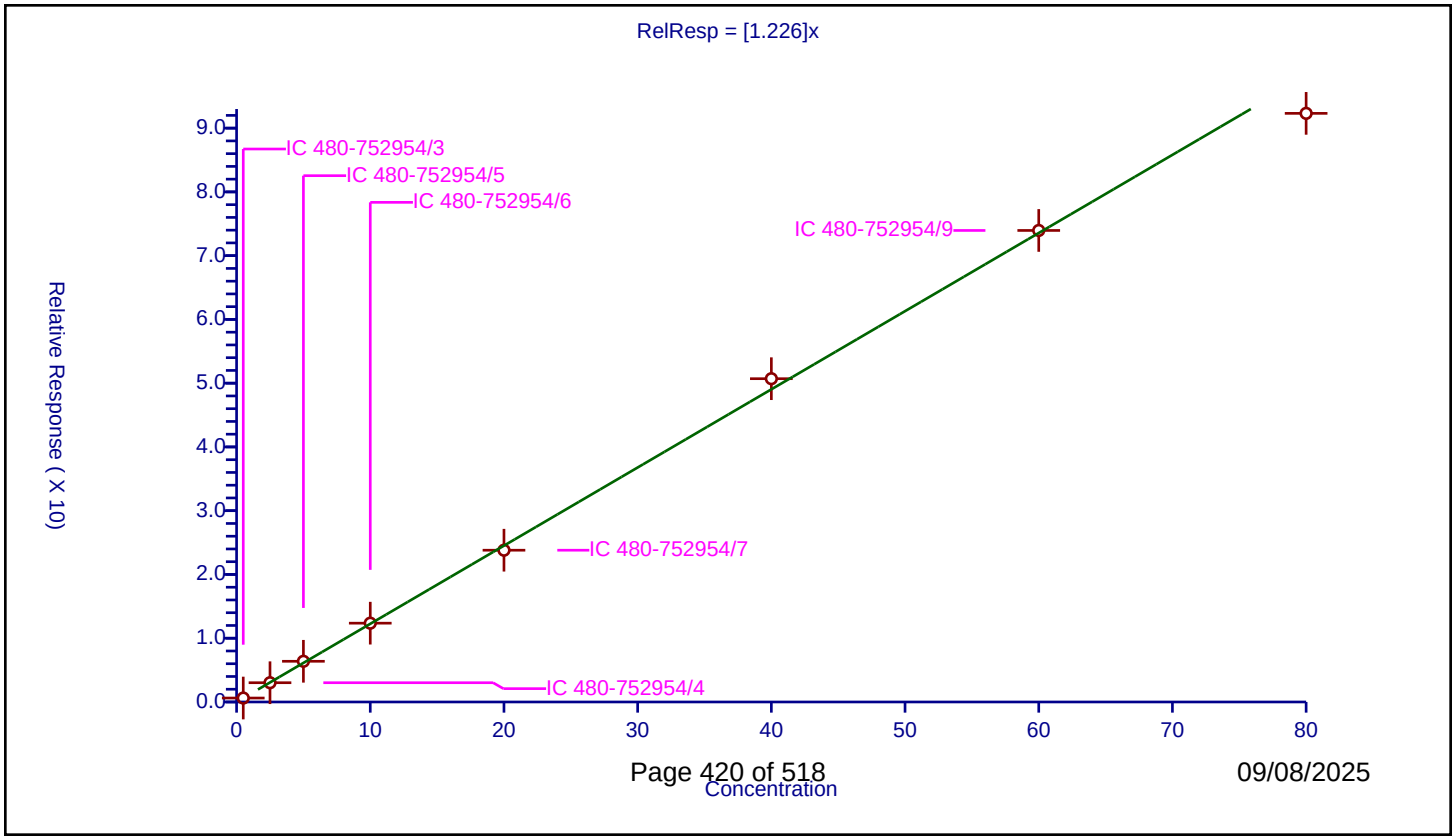
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.620626	40.0	650118.0	1.241252	Y
2	IC 480-752954/4	2.5	3.021841	40.0	713737.0	1.208737	Y
3	IC 480-752954/5	5.0	6.382591	40.0	672216.0	1.276518	Y
4	IC 480-752954/6	10.0	12.361122	40.0	762578.0	1.236112	Y
5	IC 480-752954/7	20.0	23.804894	40.0	617920.0	1.190245	Y
6	ICIS 480-752954/8	40.0	50.702205	40.0	707002.0	1.267555	Y
7	IC 480-752954/9	60.0	73.954607	40.0	751038.0	1.232577	Y
8	IC 480-752954/10	80.0	92.319485	40.0	724303.0	1.153994	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

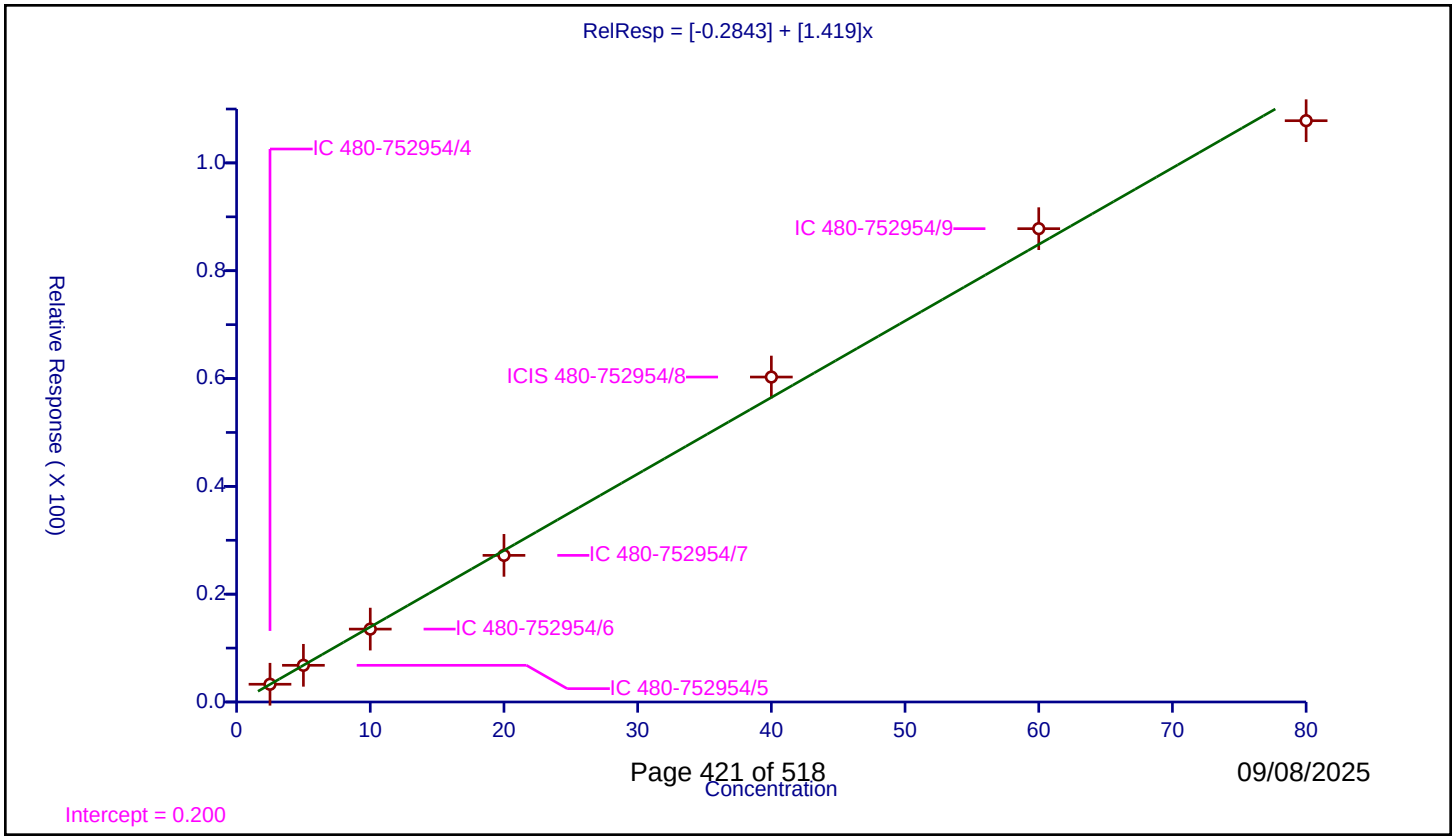
Curve Coefficients

Intercept:	-0.2843
Slope:	1.419

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/4	2.5	3.290344	40.0	713737.0	1.316137	Y
2	IC 480-752954/5	5.0	6.803944	40.0	672216.0	1.360789	Y
3	IC 480-752954/6	10.0	13.522132	40.0	762578.0	1.352213	Y
4	IC 480-752954/7	20.0	27.198731	40.0	617920.0	1.359937	Y
5	ICIS 480-752954/8	40.0	60.278924	40.0	707002.0	1.506973	Y
6	IC 480-752954/9	60.0	87.804612	40.0	751038.0	1.46341	Y
7	IC 480-752954/10	80.0	107.831833	40.0	724303.0	1.347898	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

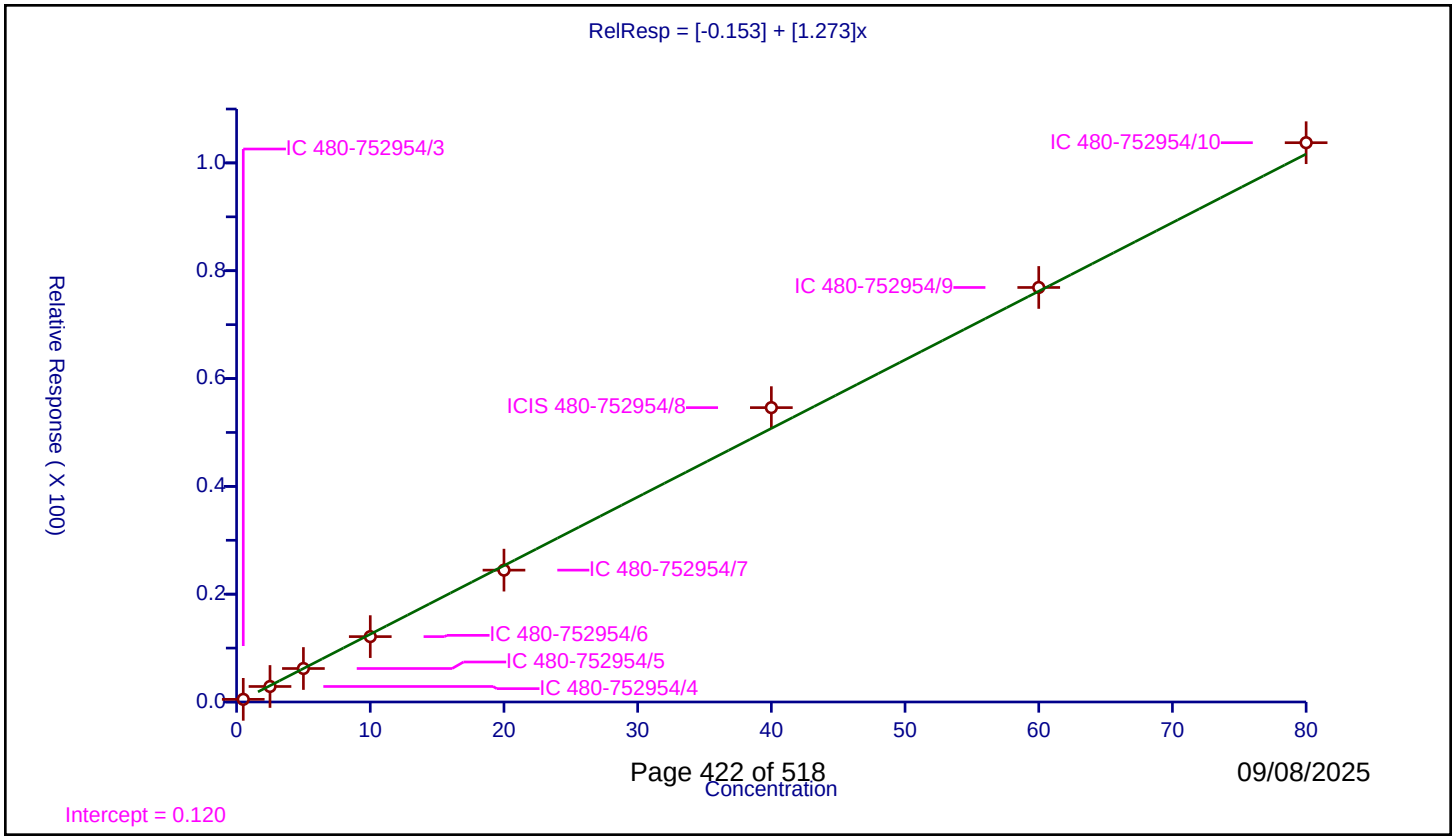
Curve Coefficients

Intercept:	-0.153
Slope:	1.273

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.490324	40.0	718871.0	0.980649	Y
2	IC 480-752954/4	2.5	2.874162	40.0	806997.0	1.149665	Y
3	IC 480-752954/5	5.0	6.20876	40.0	784498.0	1.241752	Y
4	IC 480-752954/6	10.0	12.125968	40.0	863047.0	1.212597	Y
5	IC 480-752954/7	20.0	24.461752	40.0	696686.0	1.223088	Y
6	ICIS 480-752954/8	40.0	54.605474	40.0	792103.0	1.365137	Y
7	IC 480-752954/9	60.0	76.896329	40.0	862192.0	1.281605	Y
8	IC 480-752954/10	80.0	103.749779	40.0	786825.0	1.296872	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

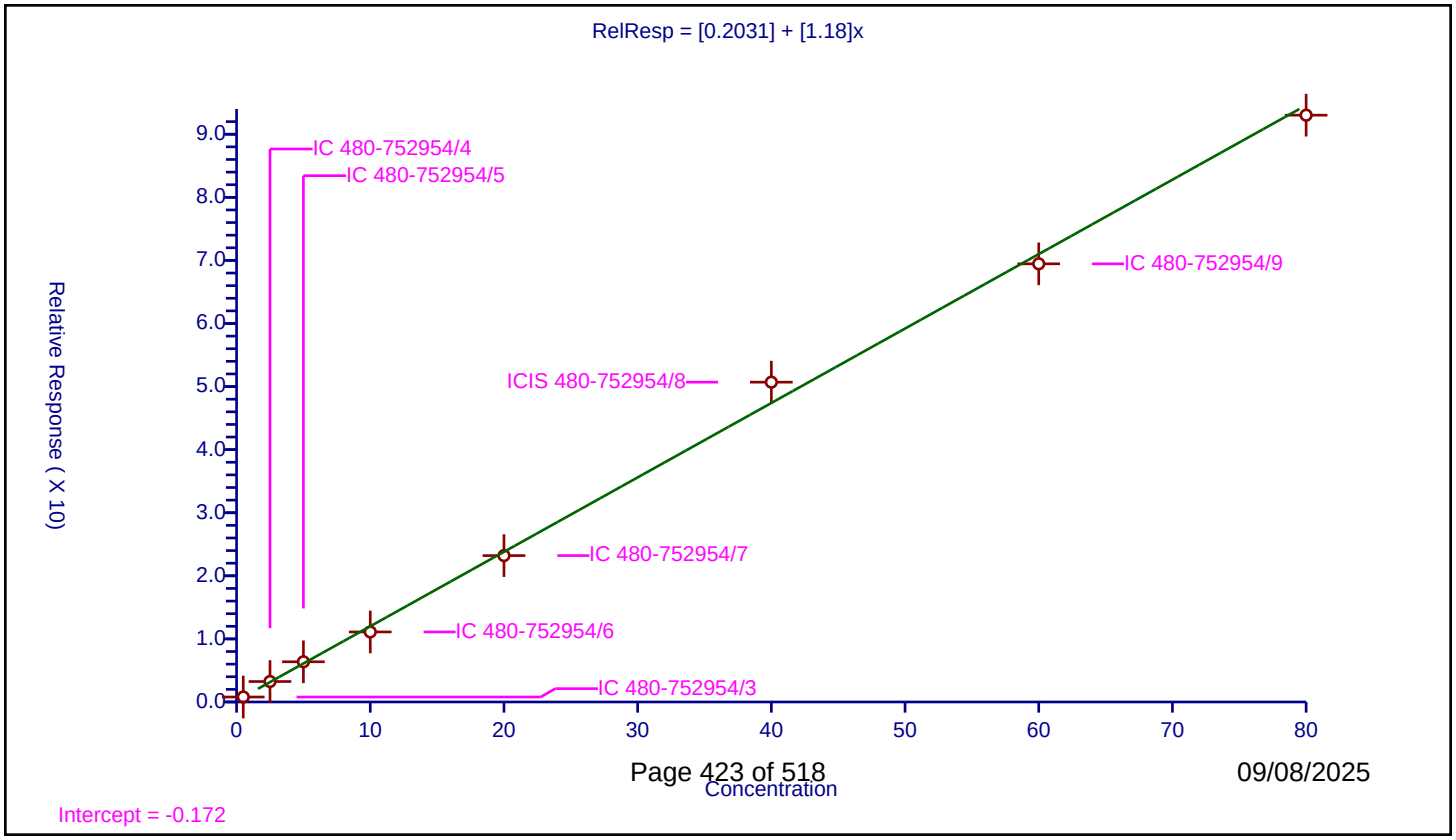
Curve Coefficients

Intercept:	0.2031
Slope:	1.18

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.789015	40.0	718871.0	1.57803	Y
2	IC 480-752954/4	2.5	3.242837	40.0	806997.0	1.297135	Y
3	IC 480-752954/5	5.0	6.373452	40.0	784498.0	1.27469	Y
4	IC 480-752954/6	10.0	11.10461	40.0	863047.0	1.110461	Y
5	IC 480-752954/7	20.0	23.20638	40.0	696686.0	1.160319	Y
6	ICIS 480-752954/8	40.0	50.701942	40.0	792103.0	1.267549	Y
7	IC 480-752954/9	60.0	69.459332	40.0	862192.0	1.157656	Y
8	IC 480-752954/10	80.0	93.024497	40.0	786825.0	1.162806	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

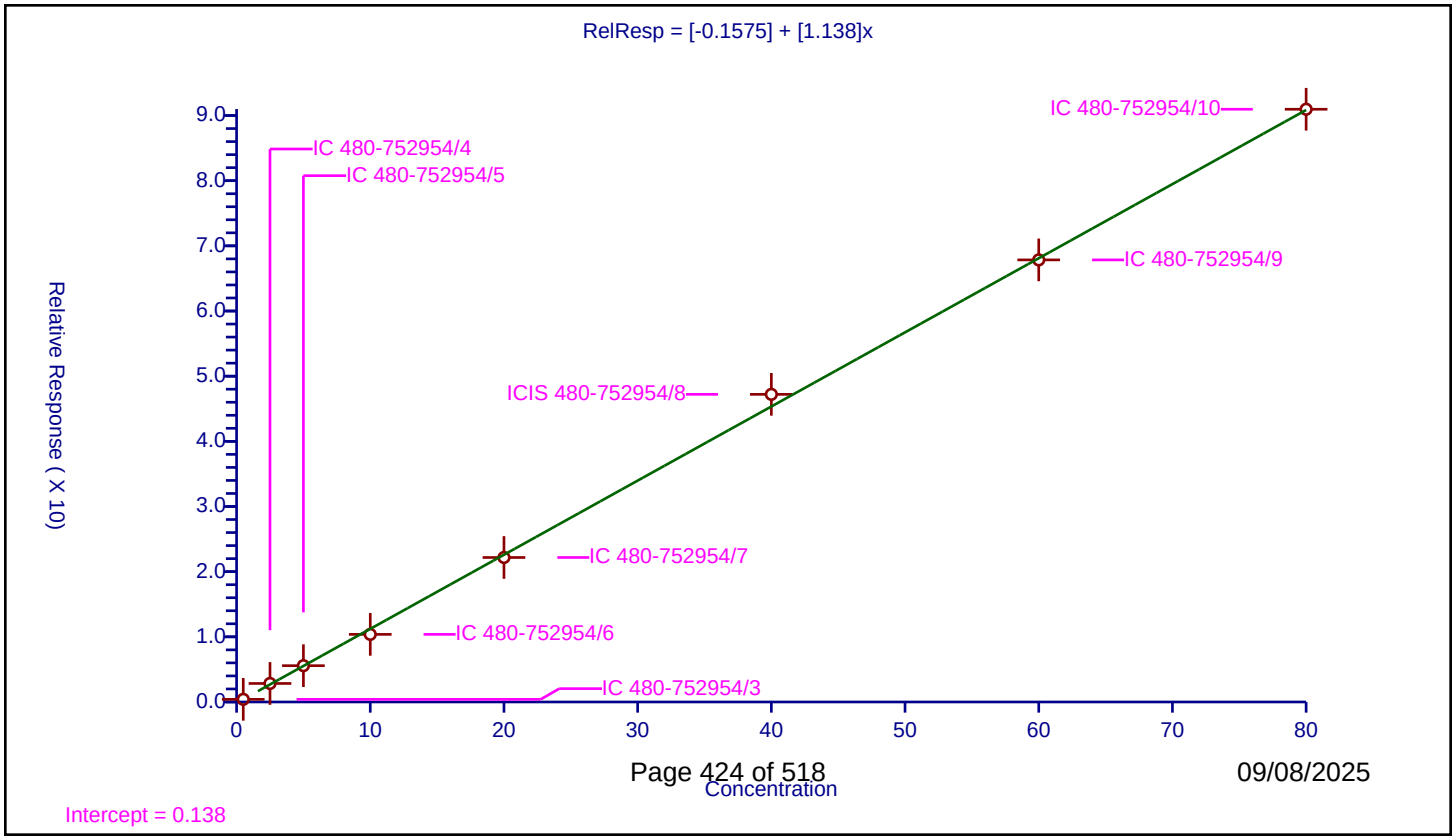
Curve Coefficients

Intercept:	-0.1575
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.406693	40.0	718871.0	0.813387	Y
2	IC 480-752954/4	2.5	2.842935	40.0	806997.0	1.137174	Y
3	IC 480-752954/5	5.0	5.570543	40.0	784498.0	1.114109	Y
4	IC 480-752954/6	10.0	10.374638	40.0	863047.0	1.037464	Y
5	IC 480-752954/7	20.0	22.176074	40.0	696686.0	1.108804	Y
6	ICIS 480-752954/8	40.0	47.210375	40.0	792103.0	1.180259	Y
7	IC 480-752954/9	60.0	67.846651	40.0	862192.0	1.130778	Y
8	IC 480-752954/10	80.0	90.961218	40.0	786825.0	1.137015	Y



09/08/2025

Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

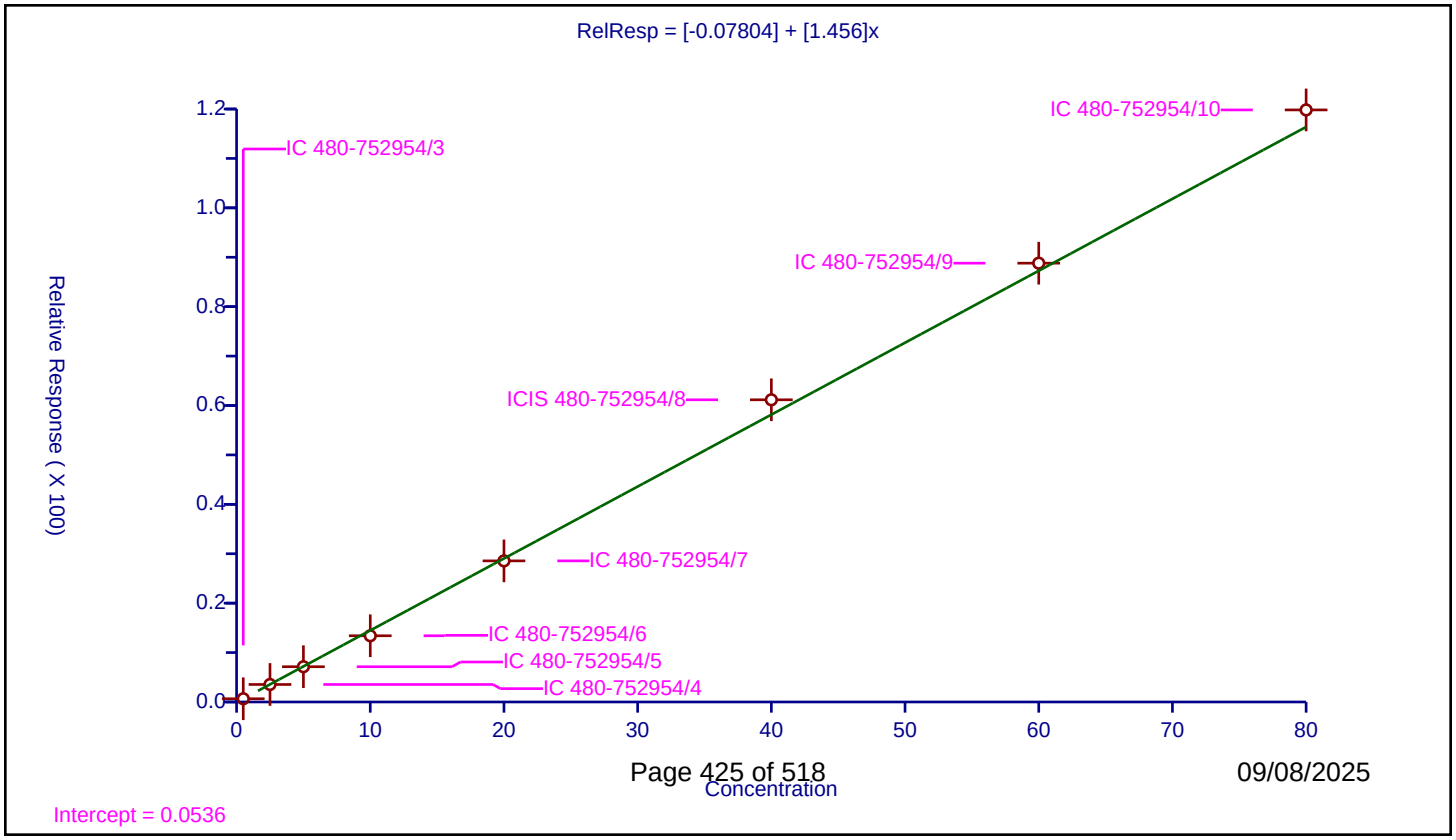
Curve Coefficients

Intercept:	-0.07804
Slope:	1.456

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.653358	40.0	718871.0	1.306716	Y
2	IC 480-752954/4	2.5	3.545342	40.0	806997.0	1.418137	Y
3	IC 480-752954/5	5.0	7.135162	40.0	784498.0	1.427032	Y
4	IC 480-752954/6	10.0	13.401727	40.0	863047.0	1.340173	Y
5	IC 480-752954/7	20.0	28.556394	40.0	696686.0	1.42782	Y
6	ICIS 480-752954/8	40.0	61.153714	40.0	792103.0	1.528843	Y
7	IC 480-752954/9	60.0	88.805185	40.0	862192.0	1.480086	Y
8	IC 480-752954/10	80.0	119.814698	40.0	786825.0	1.497684	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

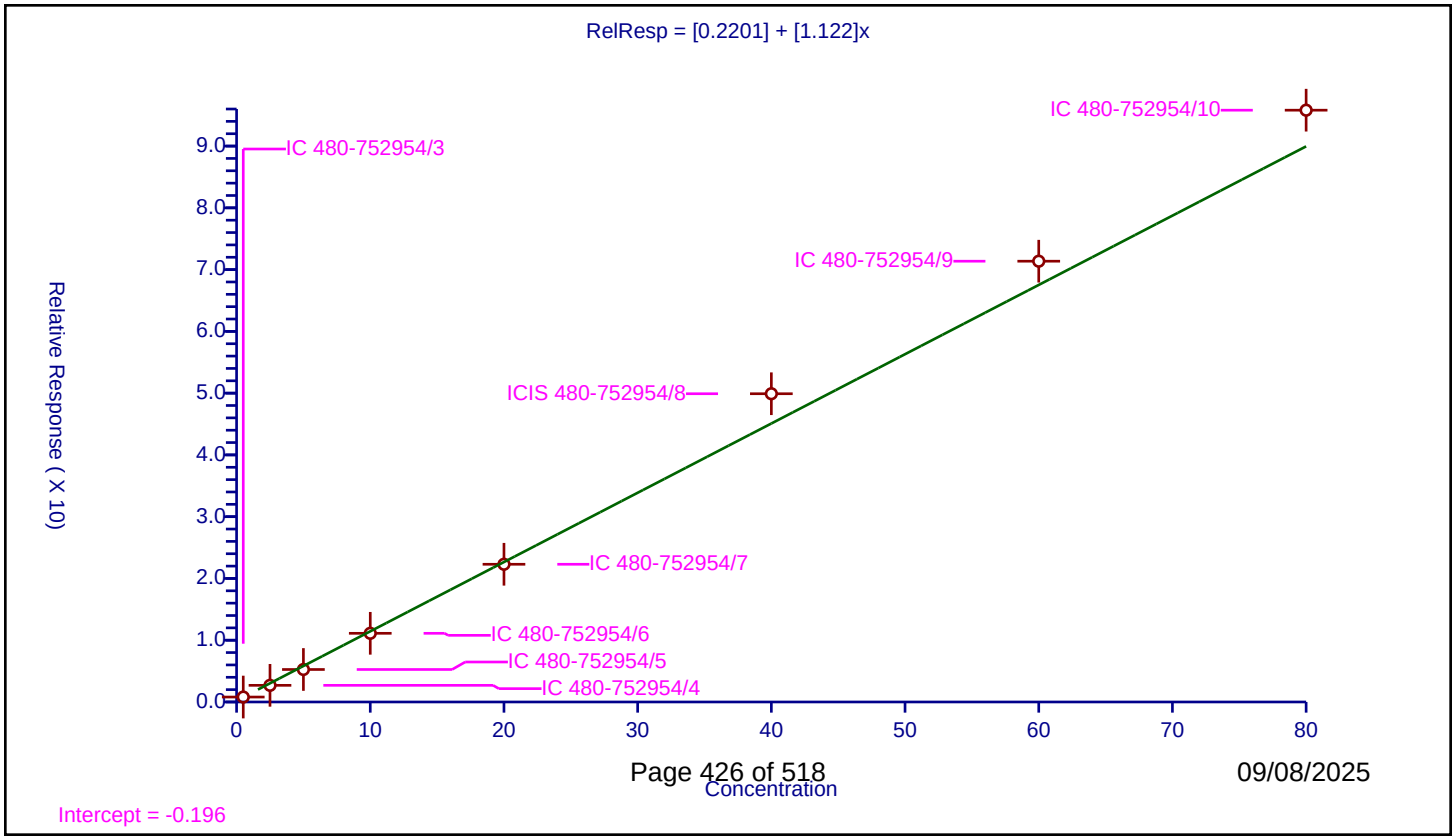
Curve Coefficients

Intercept:	0.2201
Slope:	1.122

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.799476	40.0	718871.0	1.598952	Y
2	IC 480-752954/4	2.5	2.696169	40.0	806997.0	1.078467	Y
3	IC 480-752954/5	5.0	5.258598	40.0	784498.0	1.05172	Y
4	IC 480-752954/6	10.0	11.118607	40.0	863047.0	1.111861	Y
5	IC 480-752954/7	20.0	22.295841	40.0	696686.0	1.114792	Y
6	ICIS 480-752954/8	40.0	49.90457	40.0	792103.0	1.247614	Y
7	IC 480-752954/9	60.0	71.363641	40.0	862192.0	1.189394	Y
8	IC 480-752954/10	80.0	95.808598	40.0	786825.0	1.197607	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

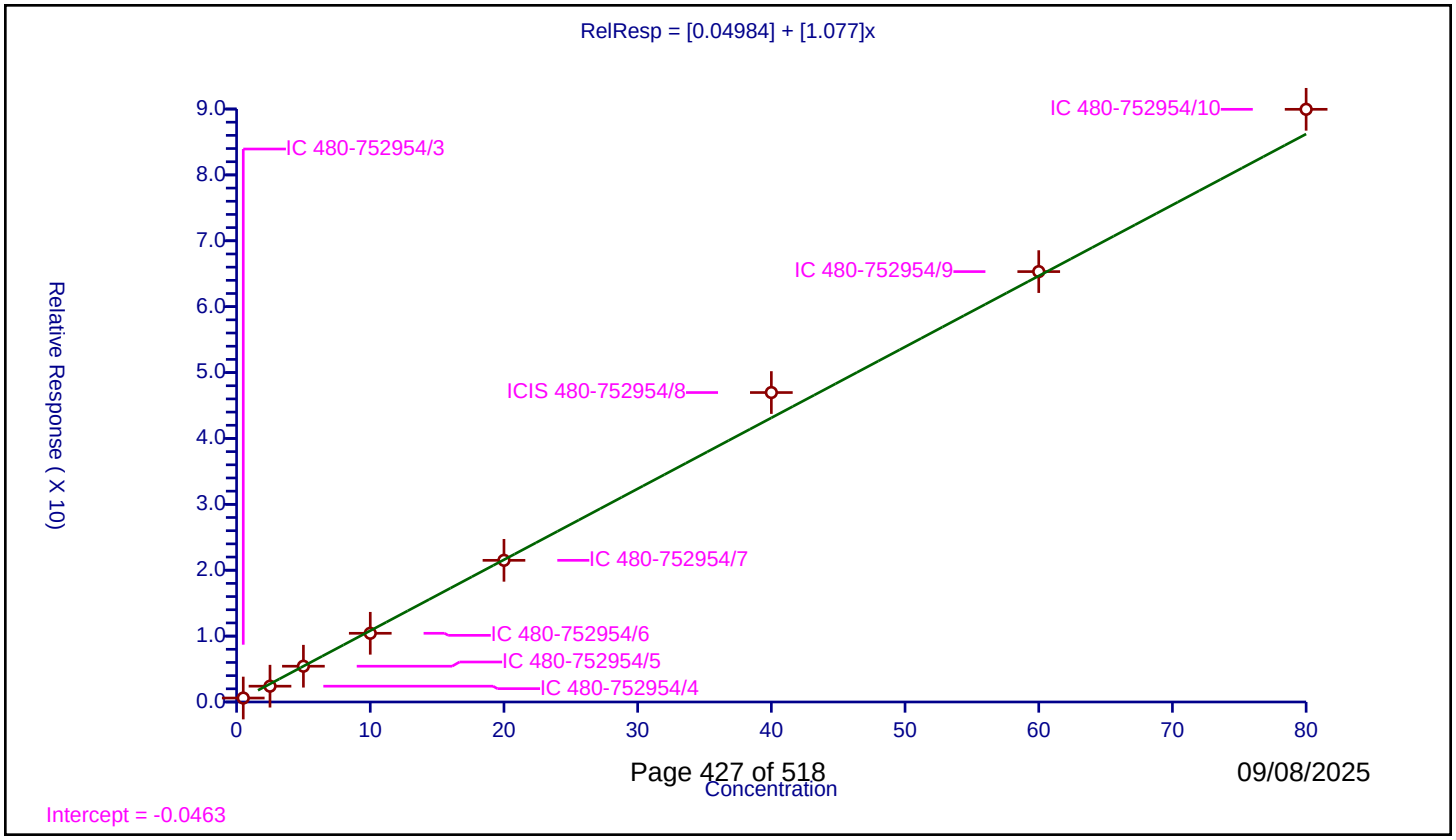
Curve Coefficients

Intercept:	0.04984
Slope:	1.077

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-752954/3	0.5	0.602333	40.0	718871.0	1.204667	Y
2	IC 480-752954/4	2.5	2.398918	40.0	806997.0	0.959567	Y
3	IC 480-752954/5	5.0	5.429408	40.0	784498.0	1.085882	Y
4	IC 480-752954/6	10.0	10.426176	40.0	863047.0	1.042618	Y
5	IC 480-752954/7	20.0	21.502255	40.0	696686.0	1.075113	Y
6	ICIS 480-752954/8	40.0	46.969195	40.0	792103.0	1.17423	Y
7	IC 480-752954/9	60.0	65.322063	40.0	862192.0	1.088701	Y
8	IC 480-752954/10	80.0	89.955911	40.0	786825.0	1.124449	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID (1): ICIS 480-752954/8 Instrument ID (1): HP5973X

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 07/30/2025 11:59

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.15	33.30

Resolution Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364741.d
Injection Date: 30-Jul-2025 11:59:30 Instrument ID: HP5973X
Lims ID: ICIS - List 1 - 40
Client ID:
Operator ID: JM ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

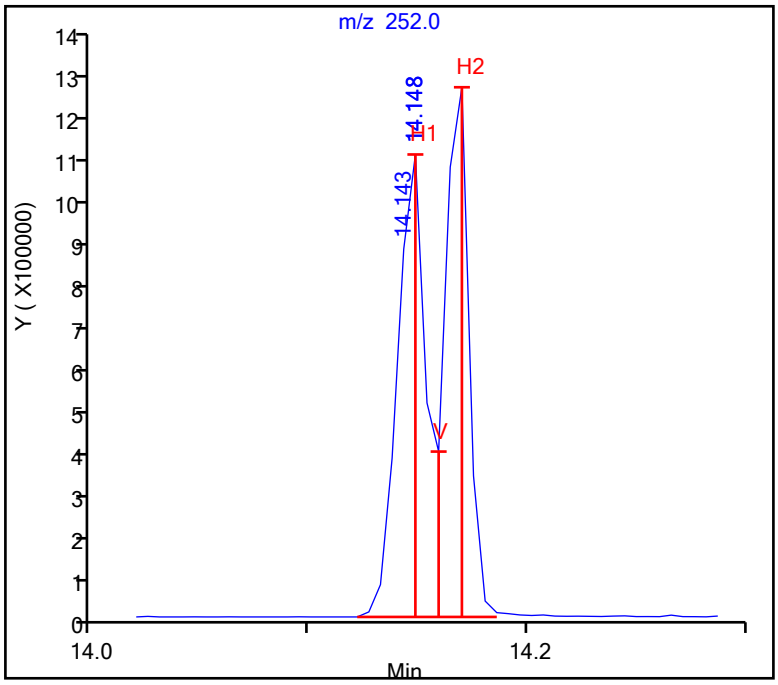
174 Benzo[b]fluoranthene - 175 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 396736
H1(174 Benzo[b]fluoranthen) = 1109504
H2(175 Benzo[k]fluoranthen) = 1270784

Version D: %R = 33.3 <= 50.0
Passed



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID (1): CCVIS 480-755980/3 Instrument ID (1): HP5973X

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 09/04/2025 11:11

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.08	31.40

Resolution Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365320.d
Injection Date: 04-Sep-2025 11:11:30 Instrument ID: HP5973X
Lims ID: CCVIS
Client ID:
Operator ID: AF ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

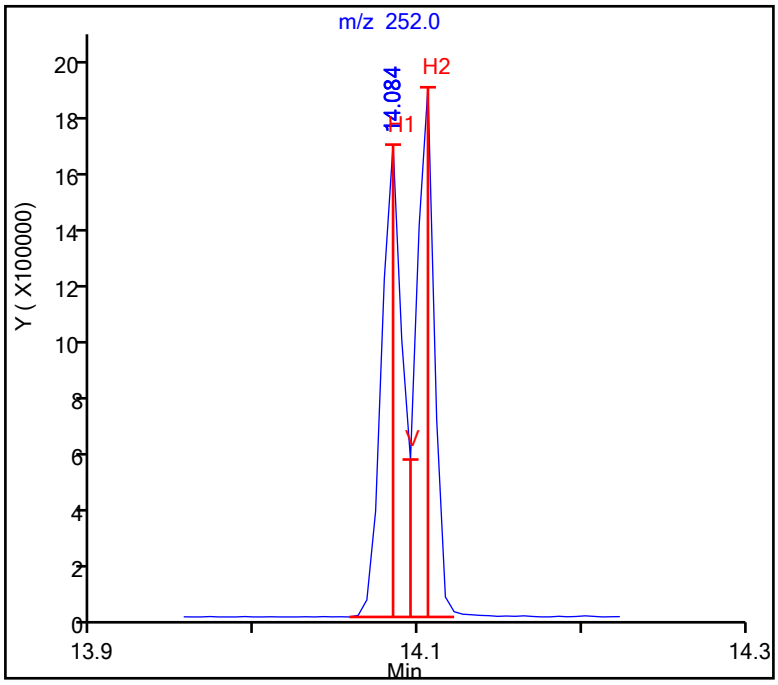
174 Benzo[b]fluoranthene - 175 Benzo[k]fluoranthene

SW-846 Method

Version D: %R = (V / ((H1 + H2)/2)) * 100

V (Valley Height) = 541120
H1(174 Benzo[b]fluoranthen) = 1623552
H2(175 Benzo[k]fluoranthen) = 1820672

Version D: %R = 31.4 <= 50.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID: ICV 480-752954/11 Calibration Date: 07/30/2025 13:13

Instrument ID: HP5973X Calib Start Date: 07/30/2025 09:55

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2025 12:48

Lab File ID: X000000364744.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7163	0.6590	0.0100	36800	40000	-8.0	30.0
N-Nitrosodimethylamine	Lin2		1.064	0.0100	39000	40000	-2.5	50.0
Pyridine	Lin2		0.9083	0.0100	73400	80000	-8.3	50.0
Benzaldehyde	Lin2		2.027	0.0100	38100	40000	-4.7	50.0
Phenol	Ave	2.222	2.163	0.8000	38900	40000	-2.7	30.0
Aniline	Ave	2.580	2.509	0.0100	38900	40000	-2.7	30.0
Bis(2-chloroethyl)ether	Ave	1.572	1.533	0.7000	39000	40000	-2.5	30.0
2-Chlorophenol	Ave	1.278	1.264	0.8000	39600	40000	-1.1	30.0
n-Decane	Lin2		1.350	0.0100	40000	40000	-0.0	30.0
1,3-Dichlorobenzene	Lin2		1.363	0.0100	38500	40000	-3.7	30.0
1,4-Dichlorobenzene	Lin2		1.423	0.0100	38800	40000	-2.9	30.0
Benzyl alcohol	Lin2		1.024	0.0100	38500	40000	-3.7	30.0
1,2-Dichlorobenzene	Ave	1.356	1.406	0.0100	41500	40000	3.7	30.0
Indene	Ave	0.6643	0.6795	0.0100	245000	240000	2.3	30.0
2-Methylphenol	Lin2		1.422	0.7000	37800	40000	-5.4	30.0
bis (2-chloroisopropyl) ether	Ave	1.186	1.070	0.0100	36100	40000	-9.8	30.0
Acetophenone	Ave	2.457	2.351	0.0100	38300	40000	-4.3	30.0
N-Nitrosodi-n-propylamine	Ave	1.384	1.332	0.5000	38500	40000	-3.8	30.0
4-Methylphenol	Ave	1.518	1.482	0.6000	39000	40000	-2.4	30.0
Hexachloroethane	Ave	0.7594	0.7397	0.3000	39000	40000	-2.6	30.0
Nitrobenzene	Ave	0.5934	0.6221	0.2000	41900	40000	4.8	30.0
Isophorone	Ave	1.068	1.073	0.4000	40200	40000	0.5	30.0
2-Nitrophenol	Lin2		0.1984	0.1000	42200	40000	5.5	30.0
2,4-Dimethylphenol	Ave	0.5457	0.5539	0.2000	40600	40000	1.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.5400	0.5473	0.3000	40500	40000	1.4	30.0
2,4-Dichlorophenol	Ave	0.3130	0.3420	0.2000	43700	40000	9.3	30.0
Benzoic acid	Lin2		0.4413	0.0100	273000	240000	13.7	50.0
1,2,4-Trichlorobenzene	Lin2		0.3951	0.0100	43500	40000	8.7	30.0
Naphthalene	Ave	1.073	1.144	0.7000	42600	40000	6.6	30.0
4-Chloroaniline	Ave	0.4432	0.4527	0.0100	40900	40000	2.2	30.0
2,6-Dichlorophenol	Lin2		0.3356	0.0100	41700	40000	4.2	30.0
Hexachlorobutadiene	Ave	0.3145	0.3321	0.0100	42200	40000	5.6	30.0
Caprolactam	Ave	0.1902	0.1978	0.0100	41600	40000	4.0	50.0
4-Chloro-3-methylphenol	Ave	0.4731	0.4994	0.2000	42200	40000	5.6	30.0
2-Methylnaphthalene	Lin2		0.7293	0.4000	43500	40000	8.6	30.0
1-Methylnaphthalene	Lin2		0.6678	0.0100	39400	40000	-1.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7465	0.7249	0.0100	38800	40000	-2.9	30.0
Hexachlorocyclopentadiene	Ave	0.6251	0.6439	0.0500	41200	40000	3.0	30.0
2,4,6-Trichlorophenol	Lin2		0.4756	0.2000	42800	40000	6.9	30.0
2,4,5-Trichlorophenol	Lin2		0.5196	0.2000	43400	40000	8.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID: ICV 480-752954/11 Calibration Date: 07/30/2025 13:13

Instrument ID: HP5973X Calib Start Date: 07/30/2025 09:55

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2025 12:48

Lab File ID: X000000364744.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.567	1.531	0.0100	39100	40000	-2.3	30.0
2-Chloronaphthalene	Lin2		1.196	0.8000	40600	40000	1.4	30.0
2-Nitroaniline	Lin2		0.5773	0.0100	42700	40000	6.7	30.0
Dimethyl phthalate	Ave	1.533	1.494	0.0100	39000	40000	-2.5	30.0
1,3-Dinitrobenzene	Lin1		0.1309	0.0100	40200	40000	0.6	30.0
2,6-Dinitrotoluene	Lin2		0.2977	0.2000	39800	40000	-0.4	30.0
Acenaphthylene	Ave	2.072	2.010	0.9000	38800	40000	-3.0	30.0
3-Nitroaniline	Lin2		0.3284	0.0100	39200	40000	-2.0	30.0
Acenaphthene	Lin2		1.262	0.9000	39300	40000	-1.8	30.0
2,4-Dinitrophenol	Lin1		0.2009	0.0100	80300	80000	0.3	30.0
4-Nitrophenol	Lin2		0.4140	0.0100	87000	80000	8.8	30.0
2,4-Dinitrotoluene	Lin2		0.4307	0.2000	39700	40000	-0.9	30.0
Dibenzofuran	Lin2		1.806	0.8000	38400	40000	-4.1	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.4065	0.0100	40100	40000	0.3	30.0
Diethyl phthalate	Ave	1.661	1.657	0.0100	39900	40000	-0.2	30.0
Hexadecane	Ave	0.8741	0.8397	0.0100	38400	40000	-3.9	30.0
Fluorene	Ave	1.512	1.450	0.9000	38400	40000	-4.1	30.0
4-Chlorophenyl phenyl ether	Ave	0.8083	0.8049	0.4000	39800	40000	-0.4	30.0
4-Nitroaniline	Ave	0.3254	0.3397	0.0100	41800	40000	4.4	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1283	0.0100	81200	80000	1.5	30.0
Diphenylamine	Lin2		0.6524	0.0100	34500	34200	0.7	30.0
N-Nitrosodiphenylamine	Lin2		0.5578	0.0100	40300	40000	0.7	30.0
1,2-Diphenylhydrazine	Ave	1.103	1.117	0.0100	40500	40000	1.3	30.0
trans-Azobenzene	Ave	1.103	1.117	0.0100	40500	40000	1.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2536	0.2509	0.1000	39600	40000	-1.1	30.0
Hexachlorobenzene	Ave	0.3106	0.3042	0.1000	39200	40000	-2.1	30.0
Atrazine	Lin2		0.6716	0.0100	39900	40000	-0.3	30.0
Pentachlorophenol	Lin2		0.1917	0.0500	80200	80000	0.3	50.0
n-Octadecane	Lin2		0.4619	0.0100	39300	40000	-1.7	30.0
Phenanthrene	Lin2		1.026	0.7000	38400	40000	-4.1	30.0
Anthracene	Ave	1.142	1.117	0.7000	39100	40000	-2.2	30.0
Carbazole	Ave	1.008	1.018	0.0100	40400	40000	1.1	30.0
Di-n-butyl phthalate	Ave	1.363	1.370	0.0100	40200	40000	0.5	30.0
Fluoranthene	Lin2		1.363	0.6000	40300	40000	0.8	30.0
Benzidine	Ave	0.7392	0.7728	0.0100	83600	80000	4.6	50.0
Pyrene	Ave	1.323	1.337	0.6000	40400	40000	1.0	30.0
Butyl benzyl phthalate	Ave	0.5995	0.6199	0.0100	41400	40000	3.4	30.0
3,3'-Dichlorobenzidine	Lin2		0.5479	0.0100	86900	80000	8.6	50.0
Benzo[a]anthracene	Lin2		1.352	0.8000	41800	40000	4.4	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8736	0.9264	0.0100	42400	40000	6.0	30.0
Chrysene	Ave	1.226	1.251	0.7000	40800	40000	2.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID: ICV 480-752954/11 Calibration Date: 07/30/2025 13:13

Instrument ID: HP5973X Calib Start Date: 07/30/2025 09:55

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2025 12:48

Lab File ID: X000000364744.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.508	0.0100	42700	40000	6.7	30.0
Benzo[b]fluoranthene	Lin2		1.378	0.7000	43400	40000	8.6	30.0
Benzo[k]fluoranthene	Lin2		1.202	0.7000	40600	40000	1.4	30.0
Benzo[a]pyrene	Lin2		1.166	0.7000	41200	40000	2.9	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.438	0.5000	39600	40000	-1.1	30.0
Dibenz(a,h)anthracene	Lin2		1.175	0.4000	41700	40000	4.3	30.0
Benzo[g,h,i]perylene	Lin2		1.171	0.5000	43400	40000	8.6	30.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364744.d
Lims ID: ICV - List 1 - 40
Client ID:
Sample Type: ICV
Inject. Date: 30-Jul-2025 13:13:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-011
Operator ID: JM Instrument ID: HP5973X
Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:31:44 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 16:05:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.691	5.692	-0.001	93	172019	40.0	40.0	
* 2 Naphthalene-d8	136	7.230	7.230	0.000	98	574798	40.0	40.0	
* 3 Acenaphthene-d10	164	9.281	9.282	-0.001	94	359645	40.0	40.0	
* 4 Phenanthrene-d10	188	10.900	10.900	0.000	97	699306	40.0	40.0	
* 5 Chrysene-d12	240	13.283	13.283	0.000	98	722375	40.0	40.0	
* 6 Perylene-d12	264	14.447	14.442	0.005	98	810651	40.0	40.0	
15 1,4-Dioxane	88	1.711	1.696	0.015	95	113367	40.0	36.8	a
16 N-Nitrosodimethylamine	74	2.000	2.000	0.000	86	183018	40.0	39.0	
17 Pyridine	52	2.059	2.054	0.005	70	312501	80.0	73.4	
27 Benzaldehyde	77	5.130	5.131	-0.001	90	348637	40.0	38.1	
28 Phenol	94	5.264	5.270	-0.006	82	372010	40.0	38.9	
29 Aniline	93	5.275	5.275	0.000	89	431655	40.0	38.9	
31 Bis(2-chloroethyl)ether	93	5.371	5.371	0.000	98	263705	40.0	39.0	
32 2-Chlorophenol	128	5.424	5.430	-0.006	90	217445	40.0	39.6	
35 n-Decane	57	5.531	5.531	0.000	78	232309	40.0	40.0	
36 1,3-Dichlorobenzene	146	5.617	5.622	-0.005	83	234437	40.0	38.5	
37 1,4-Dichlorobenzene	146	5.713	5.713	0.000	84	244821	40.0	38.8	
38 Benzyl alcohol	108	5.873	5.873	0.000	85	176147	40.0	38.5	
39 1,2-Dichlorobenzene	146	5.900	5.900	0.000	84	241892	40.0	41.5	
229 Indene	115	6.012	6.018	-0.006	87	2851250	240.0	245.5	
40 2-Methylphenol	108	6.023	6.028	-0.005	91	244652	40.0	37.8	
42 2,2'-oxybis[1-chloropropane]	45	6.049	6.055	-0.006	72	184073	40.0	36.1	
45 Acetophenone	105	6.188	6.194	-0.006	91	404356	40.0	38.3	
47 N-Nitrosodi-n-propylamine	70	6.204	6.210	-0.006	82	229139	40.0	38.5	
46 4-Methylphenol	108	6.220	6.221	-0.001	91	254915	40.0	39.0	
50 Hexachloroethane	117	6.311	6.317	-0.006	88	127237	40.0	39.0	
52 Nitrobenzene	77	6.391	6.397	-0.006	85	357595	40.0	41.9	
56 Isophorone	82	6.685	6.691	-0.006	98	616721	40.0	40.2	
58 2-Nitrophenol	139	6.781	6.781	0.000	77	114017	40.0	42.2	
59 2,4-Dimethylphenol	107	6.856	6.856	0.000	95	318376	40.0	40.6	
62 Bis(2-chloroethoxy)methane	93	6.963	6.968	-0.005	97	314602	40.0	40.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
65 2,4-Dichlorophenol	162	7.070	7.070	0.000	90	196558	40.0	43.7	
64 Benzoic acid	105	7.112	7.118	-0.006	88	1521956	240.0	272.9	
67 1,2,4-Trichlorobenzene	180	7.171	7.171	0.000	90	227100	40.0	43.5	
69 Naphthalene	128	7.251	7.257	-0.006	98	657433	40.0	42.6	
71 4-Chloroaniline	127	7.332	7.332	0.000	87	260229	40.0	40.9	
70 2,6-Dichlorophenol	162	7.337	7.342	-0.005	84	192900	40.0	41.7	
73 Hexachlorobutadiene	225	7.428	7.428	0.000	93	190880	40.0	42.2	
78 Caprolactam	113	7.764	7.770	-0.006	85	113683	40.0	41.6	
79 4-Chloro-3-methylphenol	107	7.919	7.925	-0.006	87	287064	40.0	42.2	
82 2-Methylnaphthalene	142	8.074	8.074	0.000	86	419187	40.0	43.5	
83 1-Methylnaphthalene	142	8.186	8.186	0.000	87	383875	40.0	39.4	
85 1,2,4,5-Tetrachlorobenzene	216	8.277	8.277	0.000	94	260724	40.0	38.8	
84 Hexachlorocyclopentadiene	237	8.277	8.277	0.000	92	231579	40.0	41.2	
86 2,4,6-Trichlorophenol	196	8.411	8.416	-0.005	93	171062	40.0	42.8	
87 2,4,5-Trichlorophenol	196	8.448	8.454	-0.006	91	186871	40.0	43.4	
90 1,1'-Biphenyl	154	8.624	8.625	-0.001	97	550565	40.0	39.1	
91 2-Chloronaphthalene	162	8.635	8.641	-0.006	98	430236	40.0	40.6	
93 2-Nitroaniline	65	8.758	8.763	-0.005	69	207620	40.0	42.7	
96 Dimethyl phthalate	163	8.998	8.999	0.000	95	537383	40.0	39.0	
97 1,3-Dinitrobenzene	168	9.009	9.009	0.000	79	75251	40.0	40.2	
99 2,6-Dinitrotoluene	165	9.052	9.052	0.000	73	107052	40.0	39.8	
100 Acenaphthylene	152	9.116	9.116	0.000	97	722915	40.0	38.8	
101 3-Nitroaniline	138	9.239	9.244	-0.005	86	118093	40.0	39.2	
102 Acenaphthene	153	9.319	9.324	-0.005	92	453741	40.0	39.3	
103 2,4-Dinitrophenol	184	9.362	9.362	0.000	79	144495	80.0	80.3	
104 4-Nitrophenol	109	9.458	9.463	-0.005	84	297780	80.0	87.0	
106 2,4-Dinitrotoluene	165	9.516	9.517	-0.001	80	154896	40.0	39.7	
107 Dibenzofuran	168	9.522	9.527	-0.005	93	649617	40.0	38.4	
110 2,3,4,6-Tetrachlorophenol	232	9.671	9.677	-0.006	78	146207	40.0	40.1	
112 Diethyl phthalate	149	9.821	9.827	-0.006	95	595974	40.0	39.9	
138 Hexadecane	57	9.864	9.864	0.000	94	301999	40.0	38.4	
115 Fluorene	166	9.917	9.917	0.000	95	521535	40.0	38.4	
116 4-Chlorophenyl phenyl ether	204	9.928	9.928	0.000	95	289463	40.0	39.8	
118 4-Nitroaniline	138	9.944	9.949	-0.005	70	122160	40.0	41.8	
119 4,6-Dinitro-2-methylphenol	198	9.981	9.987	-0.006	68	179421	80.0	81.2	
121 Diphenylamine	169	10.061	10.062	-0.001	91	390067	34.2	34.5	
120 N-Nitrosodiphenylamine	169	10.061	10.062	-0.001	95	390067	40.0	40.3	
123 1,2-Diphenylhydrazine	77	10.099	10.104	-0.005	95	781222	40.0	40.5	
122 Azobenzene	77	10.099	10.104	-0.005	99	781222	40.0	40.5	
130 4-Bromophenyl phenyl ether	248	10.451	10.457	-0.006	73	175456	40.0	39.6	
131 Hexachlorobenzene	284	10.515	10.516	-0.001	92	212726	40.0	39.2	
133 Atrazine	200	10.644	10.644	0.000	90	241553	40.0	39.9	
134 Pentachlorophenol	266	10.718	10.724	-0.006	88	268148	80.0	80.2	
113 n-Octadecane	57	10.841	10.847	-0.006	93	323037	40.0	39.3	
141 Phenanthrene	178	10.921	10.927	-0.006	98	717560	40.0	38.4	
142 Anthracene	178	10.975	10.975	0.000	98	781000	40.0	39.1	
143 Carbazole	167	11.135	11.141	-0.006	98	712112	40.0	40.4	
145 Di-n-butyl phthalate	149	11.493	11.499	-0.006	99	958000	40.0	40.2	
152 Fluoranthene	202	12.043	12.044	-0.001	97	953016	40.0	40.3	
154 Benzidine	184	12.172	12.172	0.000	98	1116568	80.0	83.6	
155 Pyrene	202	12.241	12.247	-0.006	97	965700	40.0	40.4	
162 Butyl benzyl phthalate	149	12.813	12.813	0.000	93	447822	40.0	41.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
166 3,3'-Dichlorobenzidine	252	13.256	13.256	0.000	75	791538	80.0	86.9	
167 Benzo[a]anthracene	228	13.272	13.278	-0.006	97	976876	40.0	41.8	
172 Bis(2-ethylhexyl) phthalate	149	13.299	13.299	0.000	97	669180	40.0	42.4	
169 Chrysene	228	13.304	13.310	-0.006	96	903854	40.0	40.8	
168 Di-n-octyl phthalate	149	13.817	13.817	0.000	100	1089087	40.0	42.7	
174 Benzo[b]fluoranthene	252	14.148	14.148	0.000	95	1117398	40.0	43.4	
175 Benzo[k]fluoranthene	252	14.170	14.170	0.000	97	974132	40.0	40.6	
177 Benzo[a]pyrene	252	14.399	14.400	-0.001	75	945575	40.0	41.2	
180 Indeno[1,2,3-cd]pyrene	276	15.361	15.361	0.000	97	1165527	40.0	39.6	
181 Dibenz(a,h)anthracene	278	15.366	15.366	0.000	89	952826	40.0	41.7	
182 Benzo[g,h,i]perylene	276	15.617	15.618	-0.001	97	949236	40.0	43.4	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1SS_WRK_00064 Amount Added: 1.00 Units: mL

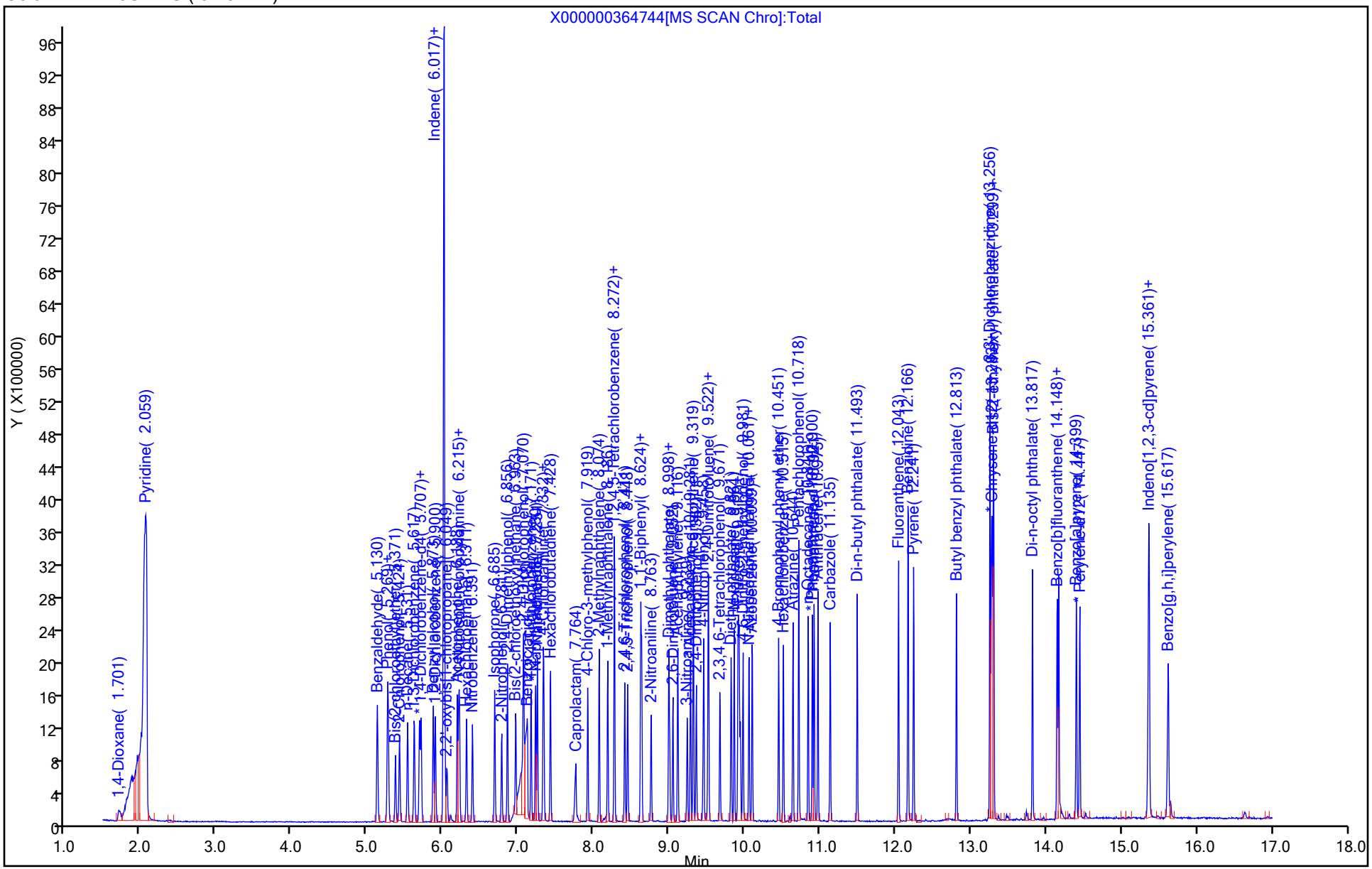
Report Date: 31-Jul-2025 11:31:48 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364744.d

Injection Date:	30-Jul-2025 13:13:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	ICV - List 1 - 40			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

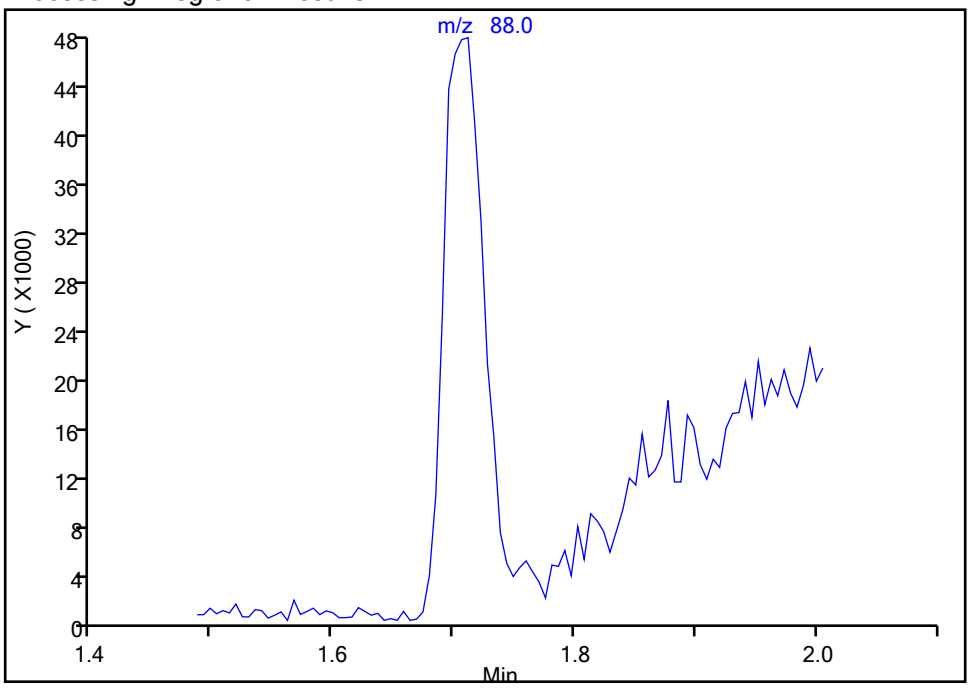
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Injection Date: 30-Jul-2025 13:13:30 Instrument ID: HP5973X
Lims ID: ICV - List 1 - 40
Client ID:
Operator ID: JM ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

15 1,4-Dioxane, CAS: 123-91-1

Signal: 1

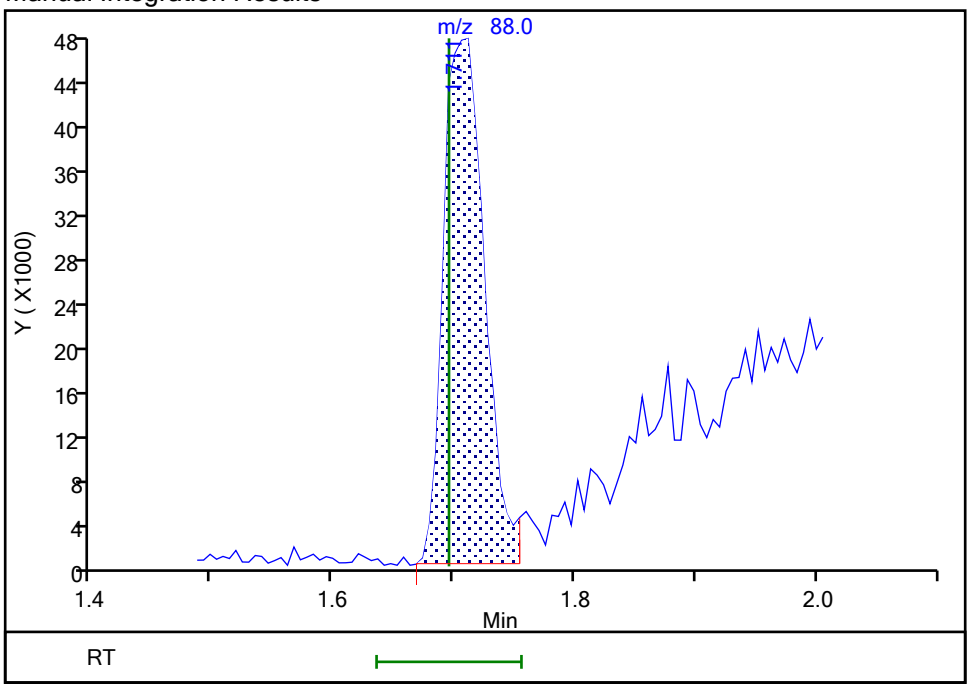
Not Detected
Expected RT: 1.70

Processing Integration Results



Manual Integration Results

RT: 1.71
Area: 113367
Amount: 36.800607
Amount Units: ng/uL



Reviewer: IZ8L, 30-Jul-2025 16:05:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID: CCVIS 480-755980/3 Calibration Date: 09/04/2025 11:11

Instrument ID: HP5973X Calib Start Date: 07/30/2025 09:55

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2025 12:48

Lab File ID: X000000365320.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7163	0.5300	0.0100	29600	40000	-26.0*	20.0
N-Nitrosodimethylamine	Lin2		0.8809	0.0100	32200	40000	-19.4	50.0
Pyridine	Lin2		0.7873	0.0100	63400	80000	-20.7	50.0
Benzaldehyde	Lin2		1.626	0.0100	30500	40000	-23.8	50.0
Aniline	Ave	2.580	2.229	0.0100	34600	40000	-13.6	20.0
Phenol	Ave	2.222	1.954	0.8000	35200	40000	-12.1	20.0
Bis(2-chloroethyl)ether	Ave	1.572	1.457	0.7000	37100	40000	-7.4	20.0
2-Chlorophenol	Ave	1.278	1.323	0.8000	41400	40000	3.5	20.0
n-Decane	Lin2		1.141	0.0100	33700	40000	-15.6	20.0
1,3-Dichlorobenzene	Lin2		1.500	0.0100	42400	40000	6.0	20.0
1,4-Dichlorobenzene	Lin2		1.467	0.0100	40000	40000	0.0	20.0
Benzyl alcohol	Lin2		1.064	0.0100	40000	40000	-0.0	20.0
1,2-Dichlorobenzene	Ave	1.356	1.396	0.0100	41200	40000	2.9	20.0
Indene	Ave	0.6643	0.5693	0.0100	206000	240000	-14.3	20.0
2-Methylphenol	Lin2		1.416	0.7000	37600	40000	-5.9	20.0
bis (2-chloroisopropyl) ether	Ave	1.186	1.025	0.0100	34600	40000	-13.6	20.0
Acetophenone	Ave	2.457	2.262	0.0100	36800	40000	-7.9	20.0
N-Nitrosodi-n-propylamine	Ave	1.384	1.221	0.5000	35300	40000	-11.8	20.0
4-Methylphenol	Ave	1.518	1.510	0.6000	39800	40000	-0.5	20.0
Hexachloroethane	Ave	0.7594	0.7487	0.3000	39400	40000	-1.4	20.0
Nitrobenzene	Ave	0.5934	0.5739	0.2000	38700	40000	-3.3	20.0
Isophorone	Ave	1.068	1.011	0.4000	37900	40000	-5.3	20.0
2-Nitrophenol	Lin2		0.1994	0.1000	42400	40000	6.1	20.0
2,4-Dimethylphenol	Ave	0.5457	0.5391	0.2000	39500	40000	-1.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.5400	0.5116	0.3000	37900	40000	-5.3	20.0
2,4-Dichlorophenol	Ave	0.3130	0.3744	0.2000	47900	40000	19.6	20.0
Benzoic acid	Lin2		0.4149	0.0100	257000	240000	7.1	50.0
1,2,4-Trichlorobenzene	Lin2		0.3993	0.0100	43900	40000	9.8	20.0
Naphthalene	Ave	1.073	1.093	0.7000	40700	40000	1.8	20.0
4-Chloroaniline	Ave	0.4432	0.4519	0.0100	40800	40000	2.0	20.0
2,6-Dichlorophenol	Lin2		0.3519	0.0100	43700	40000	9.3	20.0
Hexachlorobutadiene	Ave	0.3145	0.3462	0.0100	44000	40000	10.1	20.0
Caprolactam	Ave	0.1902	0.2000	0.0100	42100	40000	5.1	50.0
4-Chloro-3-methylphenol	Ave	0.4731	0.4595	0.2000	38800	40000	-2.9	20.0
2-Methylnaphthalene	Lin2		0.6987	0.4000	41600	40000	4.1	20.0
1-Methylnaphthalene	Lin2		0.7019	0.0100	41400	40000	3.5	20.0
Hexachlorocyclopentadiene	Ave	0.6251	0.6161	0.0500	39400	40000	-1.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7465	0.7745	0.0100	41500	40000	3.8	20.0
2,4,6-Trichlorophenol	Lin2		0.4771	0.2000	42900	40000	7.3	20.0
2,4,5-Trichlorophenol	Lin2		0.4842	0.2000	40400	40000	1.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID: CCVIS 480-755980/3 Calibration Date: 09/04/2025 11:11

Instrument ID: HP5973X Calib Start Date: 07/30/2025 09:55

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2025 12:48

Lab File ID: X000000365320.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.567	1.569	0.0100	40100	40000	0.2	20.0
2-Chloronaphthalene	Lin2		1.207	0.8000	40900	40000	2.3	20.0
2-Nitroaniline	Lin2		0.4852	0.0100	36000	40000	-10.1	20.0
Dimethyl phthalate	Ave	1.533	1.465	0.0100	38200	40000	-4.4	20.0
1,3-Dinitrobenzene	Lin1		0.1438	0.0100	44100	40000	10.2	20.0
2,6-Dinitrotoluene	Lin2		0.2964	0.2000	39700	40000	-0.8	20.0
Acenaphthylene	Ave	2.072	1.961	0.9000	37800	40000	-5.4	20.0
3-Nitroaniline	Lin2		0.3341	0.0100	39900	40000	-0.3	20.0
Acenaphthene	Lin2		1.276	0.9000	39800	40000	-0.6	20.0
2,4-Dinitrophenol	Lin1		0.1650	0.0100	66400	80000	-16.9	20.0
4-Nitrophenol	Lin2		0.3432	0.0100	72500	80000	-9.4	20.0
Dibenzofuran	Lin2		1.878	0.8000	39900	40000	-0.3	20.0
2,4-Dinitrotoluene	Lin2		0.4448	0.2000	40900	40000	2.3	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.4305	0.0100	42500	40000	6.1	20.0
Diethyl phthalate	Ave	1.661	1.632	0.0100	39300	40000	-1.7	20.0
Hexadecane	Ave	0.8741	0.7686	0.0100	35200	40000	-12.1	20.0
Fluorene	Ave	1.512	1.549	0.9000	41000	40000	2.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.8083	0.8480	0.4000	42000	40000	4.9	20.0
4-Nitroaniline	Ave	0.3254	0.3277	0.0100	40300	40000	0.7	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1370	0.0100	86600	80000	8.2	20.0
Diphenylamine	Lin2		0.6829	0.0100	36000	34200	5.4	20.0
N-Nitrosodiphenylamine	Lin2		0.5839	0.0100	42200	40000	5.4	20.0
1,2-Diphenylhydrazine	Ave	1.103	0.9885	0.0100	35900	40000	-10.4	20.0
trans-Azobenzene	Ave	1.103	0.9885	0.0100	35900	40000	-10.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2536	0.2754	0.1000	43400	40000	8.6	20.0
Hexachlorobenzene	Ave	0.3106	0.3112	0.1000	40100	40000	0.2	20.0
Atrazine	Lin2		0.7381	0.0100	43900	40000	9.7	20.0
Pentachlorophenol	Lin2		0.1652	0.0500	69400	80000	-13.3	50.0
n-Octadecane	Lin2		0.4035	0.0100	34400	40000	-14.0	20.0
Phenanthrene	Lin2		1.076	0.7000	40200	40000	0.6	20.0
Anthracene	Ave	1.142	1.110	0.7000	38900	40000	-2.8	20.0
Carbazole	Ave	1.008	1.000	0.0100	39700	40000	-0.8	20.0
Di-n-butyl phthalate	Ave	1.363	1.332	0.0100	39100	40000	-2.3	20.0
Fluoranthene	Lin2		1.323	0.6000	39100	40000	-2.1	20.0
Benzidine	Ave	0.7392	0.6445	0.0100	69800	80000	-12.8	50.0
Pyrene	Ave	1.323	1.396	0.6000	42200	40000	5.5	20.0
Butyl benzyl phthalate	Ave	0.5995	0.6056	0.0100	40400	40000	1.0	20.0
3,3'-Dichlorobenzidine	Lin2		0.5353	0.0100	84900	80000	6.1	50.0
Benzo[a]anthracene	Lin2		1.404	0.8000	43400	40000	8.4	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8736	0.9046	0.0100	41400	40000	3.5	20.0
Chrysene	Ave	1.226	1.271	0.7000	41500	40000	3.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Lab Sample ID: CCVIS 480-755980/3 Calibration Date: 09/04/2025 11:11

Instrument ID: HP5973X Calib Start Date: 07/30/2025 09:55

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/30/2025 12:48

Lab File ID: X000000365320.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.426	0.0100	40400	40000	1.0	20.0
Benzo[b]fluoranthene	Lin2		1.261	0.7000	39700	40000	-0.6	20.0
Benzo[k]fluoranthene	Lin2		1.198	0.7000	40500	40000	1.1	20.0
Benzo[a]pyrene	Lin2		1.159	0.7000	40900	40000	2.2	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.460	0.5000	40200	40000	0.5	20.0
Dibenz(a,h)anthracene	Lin2		1.213	0.4000	43100	40000	7.6	20.0
Benzo[g,h,i]perylene	Lin2		1.115	0.5000	41400	40000	3.4	20.0
2-Fluorophenol	Lin2		1.315	0.0100	36100	40000	-9.7	20.0
Phenol-d5	Ave	1.932	1.864	0.0100	38600	40000	-3.5	20.0
Nitrobenzene-d5	Lin2		0.5737	0.0100	37500	40000	-6.3	20.0
2-Fluorobiphenyl	Lin2		1.542	0.0100	41600	40000	4.0	20.0
2,4,6-Tribromophenol	Lin2		0.1717	0.0100	44300	40000	10.7	20.0
p-Terphenyl-d14	Ave	1.044	1.118	0.0100	42800	40000	7.1	20.0

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365320.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Sep-2025 11:11:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-003
Operator ID: AF Instrument ID: HP5973X
Sublist: chrom-X-8270*sub83

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:56 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 04-Sep-2025 11:44:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	96	249685	40.0	40.0	
* 2 Naphthalene-d8	136	7.145	7.145	0.000	99	845458	40.0	40.0	
* 3 Acenaphthene-d10	164	9.201	9.201	0.000	95	539438	40.0	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	98	1042442	40.0	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	99	1028089	40.0	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	99	1197038	40.0	40.0	
$ 7 2-Fluorophenol	112	3.886	3.886	0.000	89	328328	40.0	36.1	
$ 8 Phenol-d5	99	5.195	5.195	0.000	97	465534	40.0	38.6	
$ 9 Nitrobenzene-d5	82	6.285	6.285	0.000	88	485059	40.0	37.5	
$ 10 2-Fluorobiphenyl	172	8.432	8.432	0.000	96	831626	40.0	41.6	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	91	179000	40.0	44.3	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	96	1149059	40.0	42.8	
15 1,4-Dioxane	88	1.615	1.615	0.000	88	132335	40.0	29.6	
16 N-Nitrosodimethylamine	74	1.899	1.899	0.000	83	219957	40.0	32.2	
17 Pyridine	52	1.947	1.947	0.000	94	393154	80.0	63.4	
27 Benzaldehyde	77	5.034	5.034	0.000	97	406024	40.0	30.5	
29 Aniline	93	5.189	5.189	0.000	96	556658	40.0	34.6	
28 Phenol	94	5.211	5.211	0.000	94	487764	40.0	35.2	
31 Bis(2-chloroethyl)ether	93	5.280	5.280	0.000	94	363717	40.0	37.1	
32 2-Chlorophenol	128	5.344	5.344	0.000	96	330271	40.0	41.4	
35 n-Decane	57	5.435	5.435	0.000	95	284861	40.0	33.7	
36 1,3-Dichlorobenzene	146	5.526	5.526	0.000	93	374449	40.0	42.4	
37 1,4-Dichlorobenzene	146	5.622	5.622	0.000	87	366185	40.0	40.0	
38 Benzyl alcohol	108	5.798	5.798	0.000	86	265723	40.0	40.0	
39 1,2-Dichlorobenzene	146	5.809	5.809	0.000	86	348459	40.0	41.2	
229 Indene	115	5.927	5.927	0.000	88	3560565	240.0	205.7	
42 2,2'-oxybis[1-chloropropane]	45	5.964	5.964	0.000	49	255815	40.0	34.6	a
40 2-Methylphenol	108	5.964	5.964	0.000	74	353441	40.0	37.6	
45 Acetophenone	105	6.108	6.108	0.000	94	564860	40.0	36.8	
47 N-Nitrosodi-n-propylamine	70	6.124	6.124	0.000	81	304785	40.0	35.3	
46 4-Methylphenol	108	6.162	6.162	0.000	93	377095	40.0	39.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
50 Hexachloroethane	117	6.220	6.220	0.000	84	186933	40.0	39.4	
52 Nitrobenzene	77	6.311	6.311	0.000	93	485223	40.0	38.7	
56 Isophorone	82	6.605	6.605	0.000	97	854693	40.0	37.9	
58 2-Nitrophenol	139	6.696	6.696	0.000	68	168594	40.0	42.4	
59 2,4-Dimethylphenol	107	6.792	6.792	0.000	82	455809	40.0	39.5	
62 Bis(2-chloroethoxy)methane	93	6.888	6.888	0.000	98	432565	40.0	37.9	
65 2,4-Dichlorophenol	162	7.000	7.000	0.000	90	316571	40.0	47.9	
64 Benzoic acid	105	7.059	7.059	0.000	90	2104669	240.0	256.9	
67 1,2,4-Trichlorobenzene	180	7.086	7.086	0.000	91	337559	40.0	43.9	
69 Naphthalene	128	7.171	7.171	0.000	97	923949	40.0	40.7	
71 4-Chloroaniline	127	7.257	7.257	0.000	94	382072	40.0	40.8	
70 2,6-Dichlorophenol	162	7.262	7.262	0.000	92	297538	40.0	43.7	
73 Hexachlorobutadiene	225	7.342	7.342	0.000	95	292689	40.0	44.0	
78 Caprolactam	113	7.700	7.700	0.000	88	169050	40.0	42.1	
79 4-Chloro-3-methylphenol	107	7.871	7.871	0.000	87	388447	40.0	38.8	
82 2-Methylnaphthalene	142	7.989	7.989	0.000	97	590756	40.0	41.6	
83 1-Methylnaphthalene	142	8.106	8.106	0.000	94	593426	40.0	41.4	
84 Hexachlorocyclopentadiene	237	8.192	8.192	0.000	95	332350	40.0	39.4	
85 1,2,4,5-Tetrachlorobenzene	216	8.197	8.197	0.000	94	417810	40.0	41.5	
86 2,4,6-Trichlorophenol	196	8.341	8.341	0.000	94	257376	40.0	42.9	
87 2,4,5-Trichlorophenol	196	8.395	8.395	0.000	94	261189	40.0	40.4	
90 1,1'-Biphenyl	154	8.544	8.544	0.000	98	846524	40.0	40.1	
91 2-Chloronaphthalene	162	8.555	8.555	0.000	94	650989	40.0	40.9	
93 2-Nitroaniline	65	8.689	8.689	0.000	90	261755	40.0	36.0	
96 Dimethyl phthalate	163	8.918	8.918	0.000	97	790199	40.0	38.2	
97 1,3-Dinitrobenzene	168	8.940	8.940	0.000	86	121599	40.0	44.1	
99 2,6-Dinitrotoluene	165	8.977	8.977	0.000	79	159874	40.0	39.7	
100 Acenaphthylene	152	9.036	9.036	0.000	96	1057575	40.0	37.8	
101 3-Nitroaniline	138	9.169	9.169	0.000	88	180234	40.0	39.9	
102 Acenaphthene	153	9.239	9.239	0.000	95	688500	40.0	39.8	
103 2,4-Dinitrophenol	184	9.292	9.292	0.000	81	177989	80.0	66.4	
104 4-Nitrophenol	109	9.420	9.420	0.000	85	370308	80.0	72.5	
107 Dibenzofuran	168	9.442	9.442	0.000	93	1013308	40.0	39.9	
106 2,4-Dinitrotoluene	165	9.447	9.447	0.000	68	239942	40.0	40.9	
110 2,3,4,6-Tetrachlorophenol	232	9.602	9.602	0.000	95	232215	40.0	42.5	
112 Diethyl phthalate	149	9.746	9.746	0.000	98	880485	40.0	39.3	
138 Hexadecane	57	9.784	9.784	0.000	86	414605	40.0	35.2	
115 Fluorene	166	9.837	9.837	0.000	98	835385	40.0	41.0	
116 4-Chlorophenyl phenyl ether	204	9.853	9.853	0.000	87	457433	40.0	42.0	
118 4-Nitroaniline	138	9.880	9.880	0.000	82	176778	40.0	40.3	
119 4,6-Dinitro-2-methylphenol	198	9.917	9.917	0.000	89	285581	80.0	86.6	
120 N-Nitrosodiphenylamine	169	9.987	9.987	0.000	70	608679	40.0	42.2	
121 Diphenylamine	169	9.987	9.987	0.000	98	608679	34.2	36.0	
123 1,2-Diphenylhydrazine	77	10.029	10.029	0.000	51	1030475	40.0	35.9	
122 Azobenzene	77	10.029	10.029	0.000	99	1030475	40.0	35.9	
130 4-Bromophenyl phenyl ether	248	10.382	10.382	0.000	88	287107	40.0	43.4	
131 Hexachlorobenzene	284	10.446	10.446	0.000	96	324375	40.0	40.1	
133 Atrazine	200	10.580	10.580	0.000	91	398137	40.0	43.9	
134 Pentachlorophenol	266	10.660	10.660	0.000	89	344451	80.0	69.4	
113 n-Octadecane	57	10.772	10.772	0.000	85	420667	40.0	34.4	
141 Phenanthrene	178	10.852	10.852	0.000	98	1121496	40.0	40.2	
142 Anthracene	178	10.906	10.906	0.000	99	1157337	40.0	38.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
143 Carbazole	167	11.077	11.077	0.000	98	1042034	40.0	39.7	
145 Di-n-butyl phthalate	149	11.429	11.429	0.000	100	1388414	40.0	39.1	
152 Fluoranthene	202	11.979	11.979	0.000	98	1379190	40.0	39.1	
154 Benzidine	184	12.108	12.108	0.000	98	1325264	80.0	69.8	
155 Pyrene	202	12.182	12.182	0.000	97	1435074	40.0	42.2	
162 Butyl benzyl phthalate	149	12.749	12.749	0.000	94	622626	40.0	40.4	
166 3,3'-Dichlorobenzidine	252	13.197	13.197	0.000	98	1100606	80.0	84.9	
167 Benzo[a]anthracene	228	13.213	13.213	0.000	97	1443534	40.0	43.4	
172 Bis(2-ethylhexyl) phthalate	149	13.235	13.235	0.000	96	929974	40.0	41.4	
169 Chrysene	228	13.245	13.245	0.000	96	1306425	40.0	41.5	
168 Di-n-octyl phthalate	149	13.758	13.758	0.000	97	1465859	40.0	40.4	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	96	1509069	40.0	39.7	
175 Benzo[k]fluoranthene	252	14.106	14.106	0.000	96	1434631	40.0	40.5	
177 Benzo[a]pyrene	252	14.335	14.335	0.000	97	1387170	40.0	40.9	
180 Indeno[1,2,3-cd]pyrene	276	15.270	15.270	0.000	95	1748222	40.0	40.2	
181 Dibenz(a,h)anthracene	278	15.276	15.276	0.000	96	1451768	40.0	43.1	
182 Benzo[g,h,i]perylene	276	15.521	15.521	0.000	97	1334391	40.0	41.4	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_LIST1_WRK_01078 Amount Added: 1.00 Units: mL

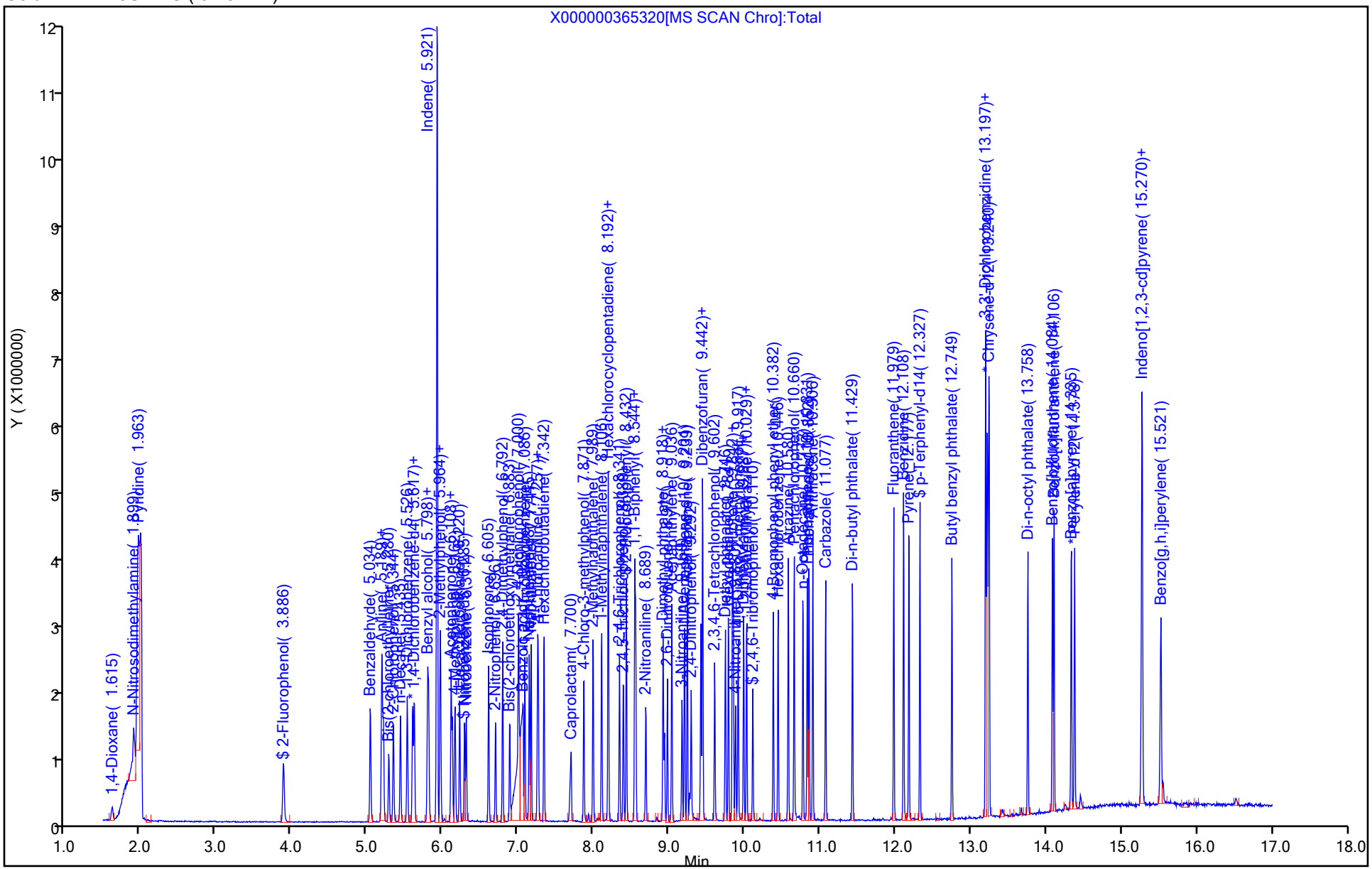
Report Date: 05-Sep-2025 08:58:56 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365320.d

Injection Date:	04-Sep-2025 11:11:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Buffalo

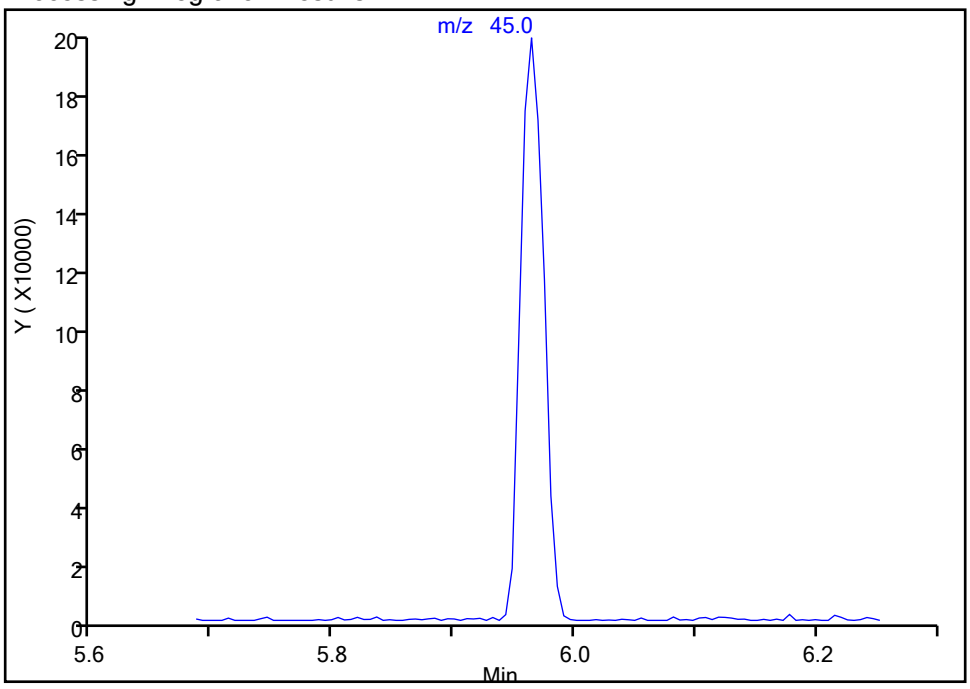
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365320.d
Injection Date: 04-Sep-2025 11:11:30 Instrument ID: HP5973X
Lims ID: CCVIS
Client ID:
Operator ID: AF ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

42 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

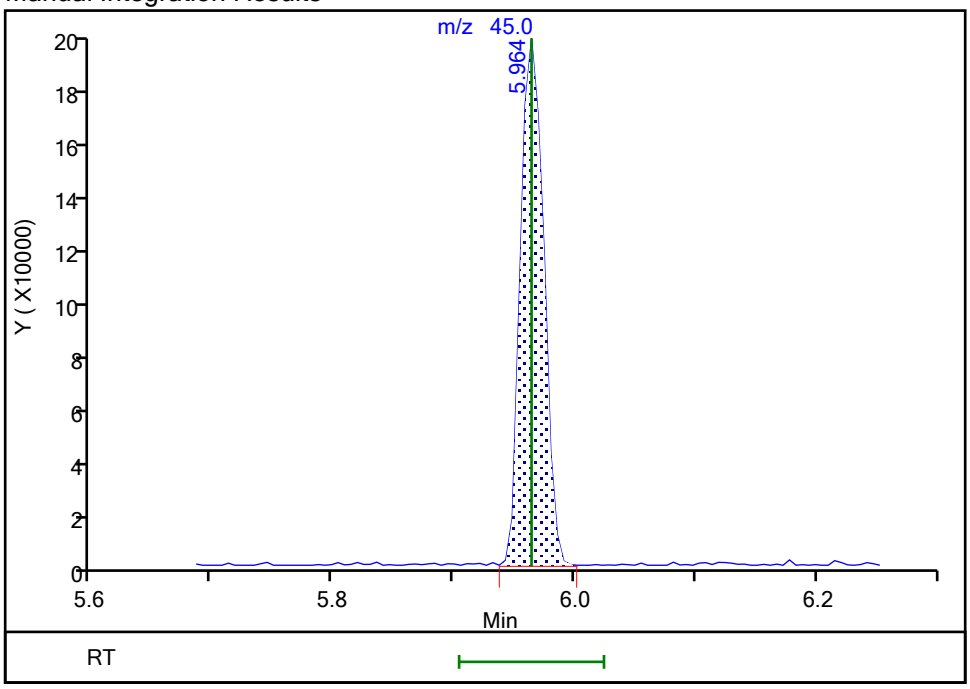
Not Detected
Expected RT: 5.96

Processing Integration Results



Manual Integration Results

RT: 5.96
Area: 255815
Amount: 34.550728
Amount Units: ng/uL



Reviewer: PY8T, 04-Sep-2025 11:44:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 30-Jul-2025 09:31:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0124652-002
Operator ID: JM Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 31-Jul-2025 11:31:44 Calib Date: 30-Jul-2025 16:08:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364751.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: IZ8L Date: 30-Jul-2025 10:02:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
230 Pentachlorophenol_T	266	10.719	10.719	0.000	88	144338	NR	NR	
231 DFTPP									
233 4,4'-DDE	246		11.959					ND	
232 Benzidine_T	184	12.166	12.166	0.000	98	749040	NR	NR	
234 4,4'-DDD	235		12.553					ND	
235 4,4'-DDT	235	12.888	12.888	0.000	96	441817	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

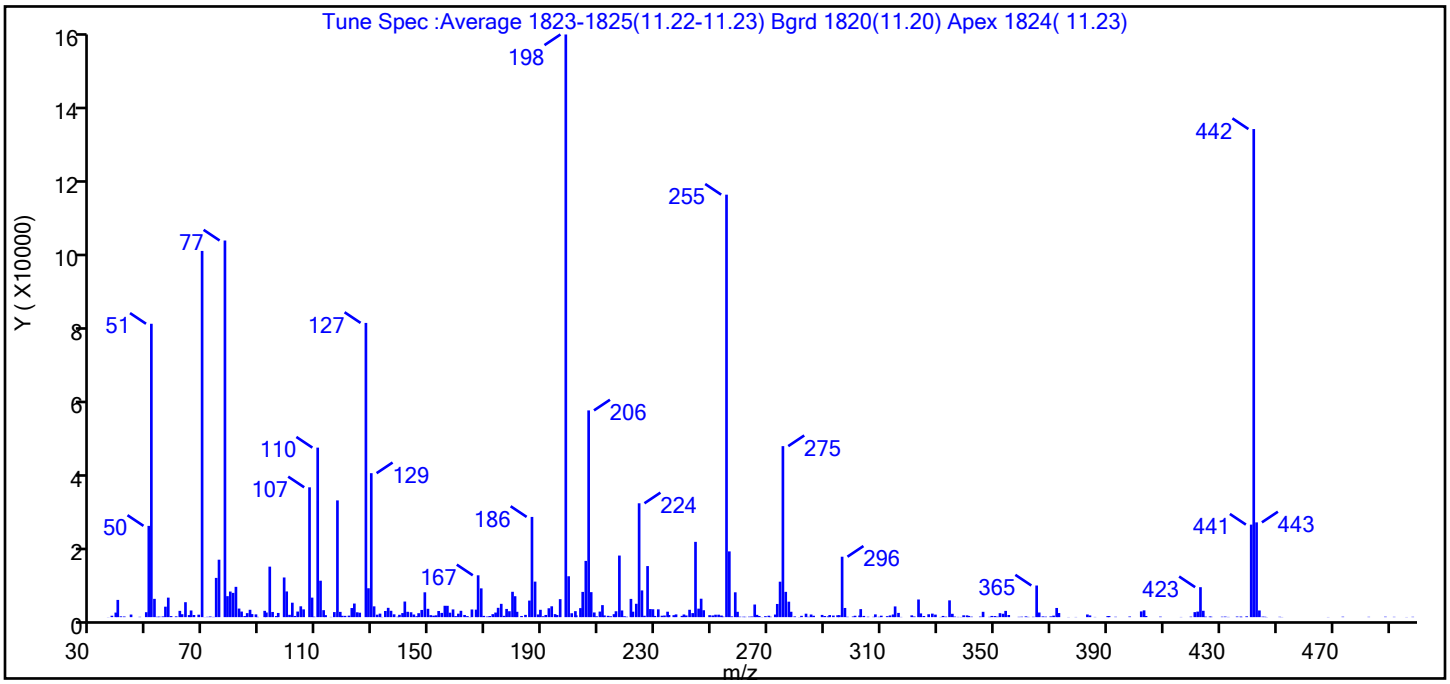
MB_DFTPP_WRK_00449 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d
Injection Date: 30-Jul-2025 09:31:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

231 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (119.4)
51	10-80% of the base peak	50.4
68	<2% of mass 69	0.4 (0.7)
69	Present	62.9
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	50.5
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-60% of the base peak	29.3
365	>1% of mass 198	5.4
441	present but <24% of mass 442	15.9 (19.0)
442	base peak, or >50% of 198	83.8
443	15-24% of mass 442	16.3 (19.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d\X-8270.rslt\spectra.d
Injection Date: 30-Jul-2025 09:31:30
Spectrum: Tune Spec :Average 1823-1825(11.22-11.23) Bgrd 1820(11.20) Apex 1824(11.23)
Base Peak: 198.10
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	33	136.00	1739	225.00	7306	323.00	4825
37.00	383	137.00	773	226.00	372	324.00	1028
38.00	1244	138.00	123	227.00	13963	325.00	309
39.00	4713	139.00	644	228.00	2206	327.00	789
40.00	218	140.00	1114	229.00	2158	328.00	962
42.00	181	141.00	4266	230.00	331	329.00	693
44.00	709	142.00	1461	231.00	2135	331.00	56
47.00	89	143.00	1339	232.00	388	332.00	331
49.00	1347	144.00	718	233.00	441	333.00	136
50.00	24952	145.00	248	234.00	1485	334.00	4591
51.00	80208	146.00	1078	235.00	584	335.00	915
52.00	5001	147.00	1965	236.00	538	336.00	159
53.00	109	148.00	6793	237.00	745	337.00	68
54.00	143	149.00	2279	239.00	346	338.00	49
55.00	193	150.00	541	240.00	725	339.00	505
56.00	2861	151.00	400	241.00	448	340.00	480
57.00	5335	152.00	495	242.00	2019	341.00	336
58.00	289	153.00	1676	243.00	1104	342.00	132
60.00	217	154.00	1160	244.00	20584	345.00	152
61.00	1718	155.00	3108	245.00	2323	346.00	1458
62.00	807	156.00	3098	246.00	5040	348.00	86
63.00	4085	157.00	1215	247.00	1887	349.00	334
64.00	558	158.00	2113	249.00	537	350.00	298
65.00	1821	159.00	279	250.00	462	351.00	134
66.00	586	160.00	947	251.00	666	352.00	1087
68.00	670	161.00	1739	252.00	670	353.00	924
69.00	100120	162.00	594	253.00	436	354.00	1708
70.00	32	163.00	281	254.00	132	355.00	582
71.00	93	164.00	36	255.00	115504	359.00	89
72.00	179	165.00	2097	256.00	17976	360.00	128
73.00	65	166.00	2047	257.00	206	361.00	212
74.00	10728	167.00	11438	258.00	6791	362.00	74
75.00	15704	168.00	7867	259.00	1462	364.00	104

Report Date: 31-Jul-2025 11:31:45 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d\X-8270.rslt\spectra.d
Injection Date: 30-Jul-2025 09:31:30
Spectrum: Tune Spec :Average 1823-1825(11.22-11.23) Bgrd 1820(11.20) Apex 1824(11.23)
Base Peak: 198.10
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	102968	169.00	348	260.00	119	365.00	8650
78.00	5735	170.00	164	261.00	110	366.00	1264
79.00	6999	171.00	302	262.00	91	367.00	201
80.00	6631	172.00	816	263.00	134	368.00	138
81.00	8284	173.00	1255	264.00	171	370.00	206
82.00	2347	174.00	2550	265.00	3454	371.00	409
83.00	1526	175.00	3637	266.00	625	372.00	2510
84.00	295	176.00	357	267.00	318	373.00	1123
85.00	1095	177.00	2246	268.00	41	376.00	43
86.00	2011	178.00	1618	269.00	270	379.00	51
87.00	834	179.00	6933	270.00	389	383.00	729
88.00	758	180.00	5720	271.00	107	384.00	466
89.00	75	181.00	1462	272.00	709	386.00	56
91.00	1726	182.00	321	273.00	3605	390.00	279
92.00	1266	184.00	622	274.00	9692	391.00	289
93.00	13808	185.00	4530	275.00	46752	393.00	105
94.00	1415	186.00	27400	276.00	6913	398.00	174
95.00	291	187.00	9711	277.00	4230	402.00	1567
96.00	1144	188.00	735	278.00	1472	403.00	1854
98.00	10845	189.00	2006	279.00	201	404.00	312
99.00	7025	190.00	245	281.00	37	409.00	137
100.00	635	191.00	597	282.00	361	416.00	51
101.00	3950	192.00	2427	283.00	945	420.00	144
102.00	326	193.00	2967	284.00	99	421.00	1369
103.00	1528	194.00	823	285.00	721	422.00	1519
104.00	2966	195.00	573	286.00	376	423.00	8194
105.00	2126	196.00	4921	289.00	608	424.00	1738
107.00	35496	198.00	159296	290.00	312	425.00	143
108.00	5337	199.00	11178	291.00	194	427.00	164
109.00	128	200.00	1071	292.00	574	427.00	102
110.00	46344	202.00	1636	293.00	434	431.00	122
111.00	9959	202.00	492	294.00	518	432.00	154
112.00	1906	203.00	2471	295.00	536	433.00	64
113.00	543	204.00	6904	296.00	16520	436.00	175

Report Date: 31-Jul-2025 11:31:45 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d\X-8270.rslt\spectra.d
Injection Date: 30-Jul-2025 09:31:30
Spectrum: Tune Spec :Average 1823-1825(11.22-11.23) Bgrd 1820(11.20) Apex 1824(11.23)
Base Peak: 198.10
Minimum % Base Peak: 0
Number of Points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	63	205.00	15380	297.00	2511	438.00	149
116.00	1382	206.00	56520	298.00	101	438.00	76
117.00	31920	207.00	6833	300.00	176	440.00	226
118.00	1441	208.00	1279	301.00	379	441.00	25296
119.00	364	209.00	233	302.00	432	442.00	133440
120.00	354	210.00	1526	303.00	2194	443.00	25912
121.00	409	211.00	3287	304.00	337	444.00	1825
122.00	2486	212.00	464	305.00	116	445.00	148
123.00	3719	213.00	361	307.00	92	446.00	111
124.00	1328	214.00	239	308.00	757	447.00	35
125.00	1214	215.00	813	309.00	99	451.00	96
127.00	80440	216.00	1611	310.00	395	452.00	44
128.00	7899	217.00	16840	312.00	265	468.00	43
129.00	39360	218.00	1826	313.00	465	474.00	121
130.00	2949	219.00	241	314.00	725	483.00	89
131.00	676	220.00	113	315.00	2931	489.00	121
132.00	960	221.00	4988	316.00	1156	492.00	84
133.00	52	222.00	1494	317.00	59	496.00	43
134.00	1683	223.00	3655	321.00	485	498.00	94
135.00	2547	224.00	31128	322.00	176		

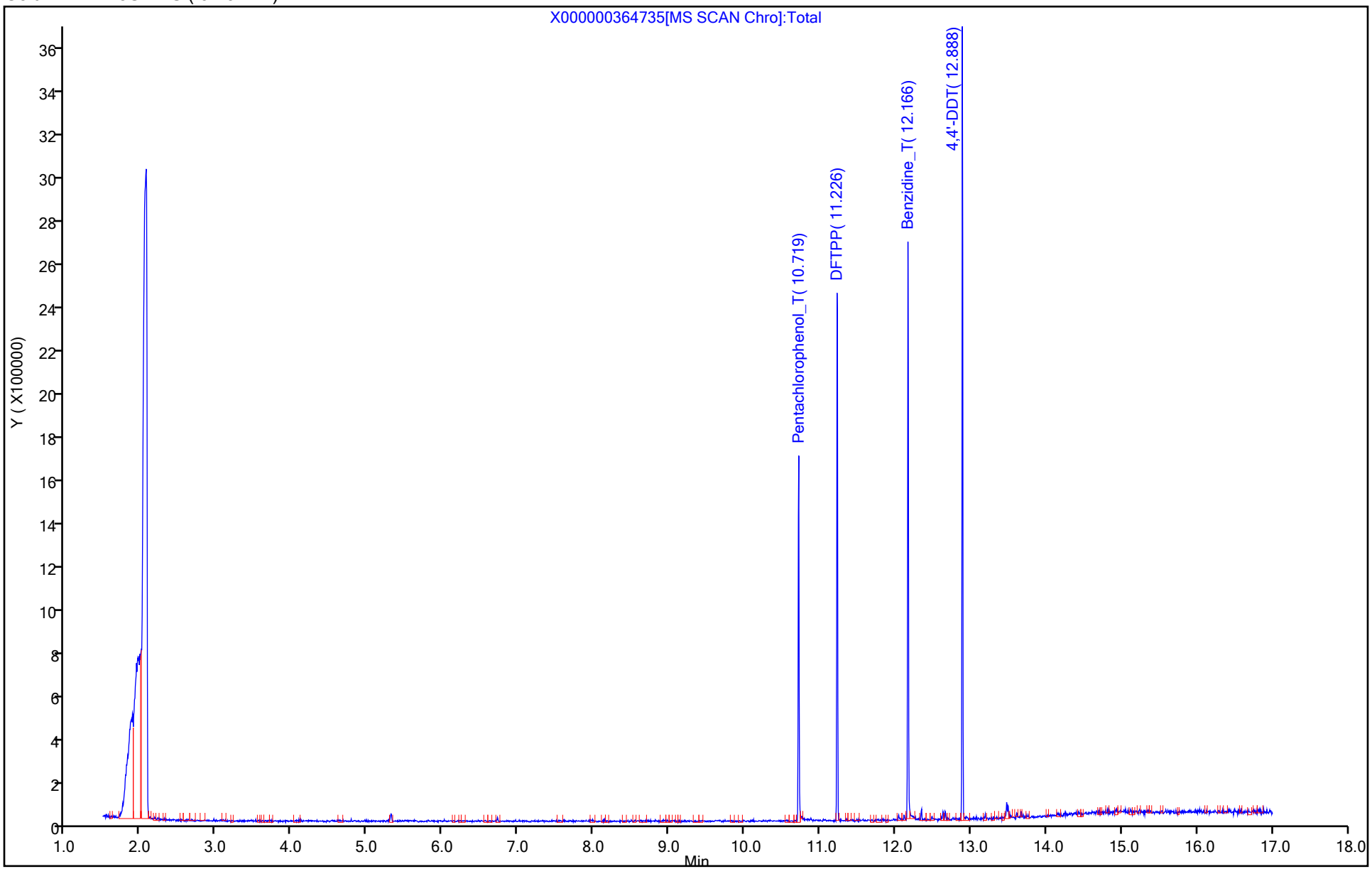
Report Date: 31-Jul-2025 11:31:45 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d

Injection Date:	30-Jul-2025 09:31:30	Instrument ID:	HP5973X	Operator ID:	JM
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

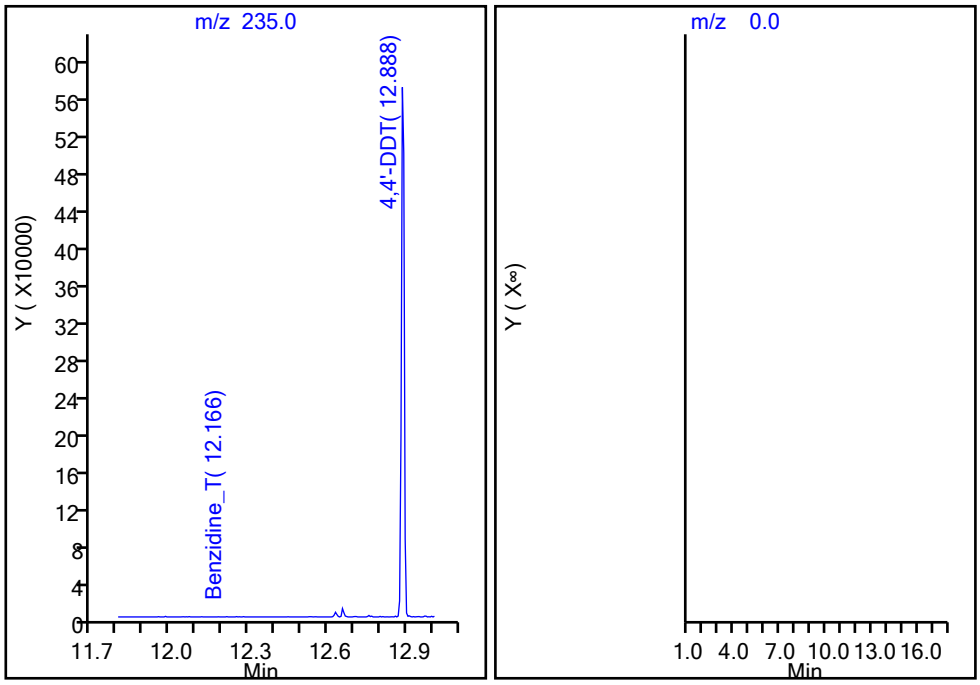


Breakdown Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d
Injection Date: 30-Jul-2025 09:31:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

235 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

235 4,4'-DDT, Area = 441817
234 4,4'-DDD, Area = 0
233 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Buffalo

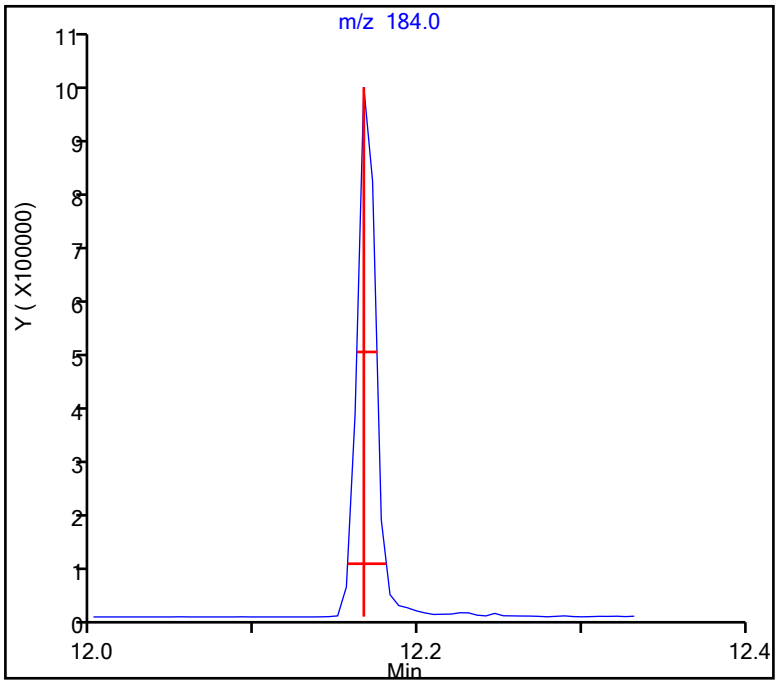
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d
Injection Date: 30-Jul-2025 09:31:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

232 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.40, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Buffalo

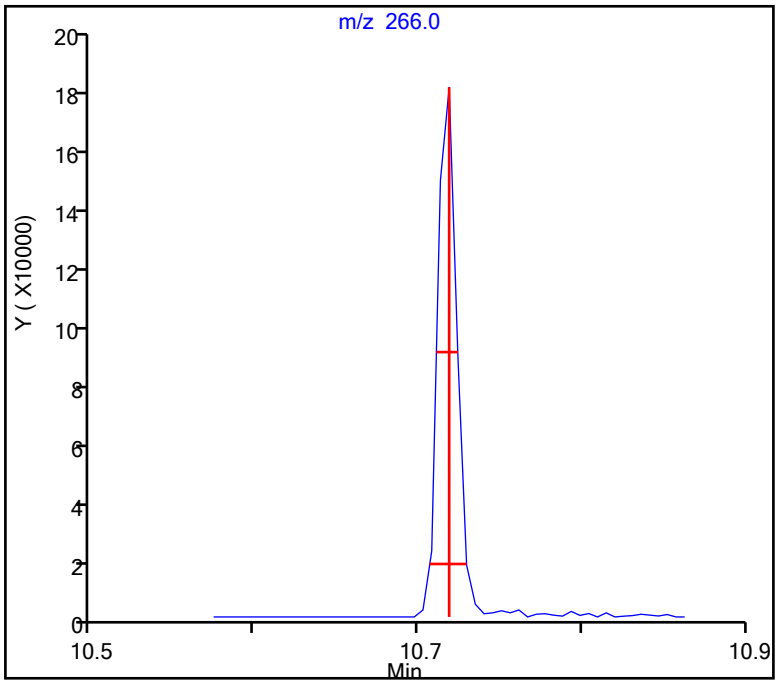
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250729-124652.b\X000000364735.d
Injection Date: 30-Jul-2025 09:31:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

230 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Sep-2025 10:46:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-002
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:53 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 04-Sep-2025 11:06:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
230 Pentachlorophenol_T	266	10.655	10.655	0.000	89	196474	NR	NR	
231 DFTPP									
233 4,4'-DDE	246		11.958					ND	
232 Benzidine_T	184	12.108	12.108	0.000	98	448544	NR	NR	
234 4,4'-DDD	235	12.572	12.572	0.000	51	1600		NR	
235 4,4'-DDT	235	12.829	12.829	0.000	97	618064	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

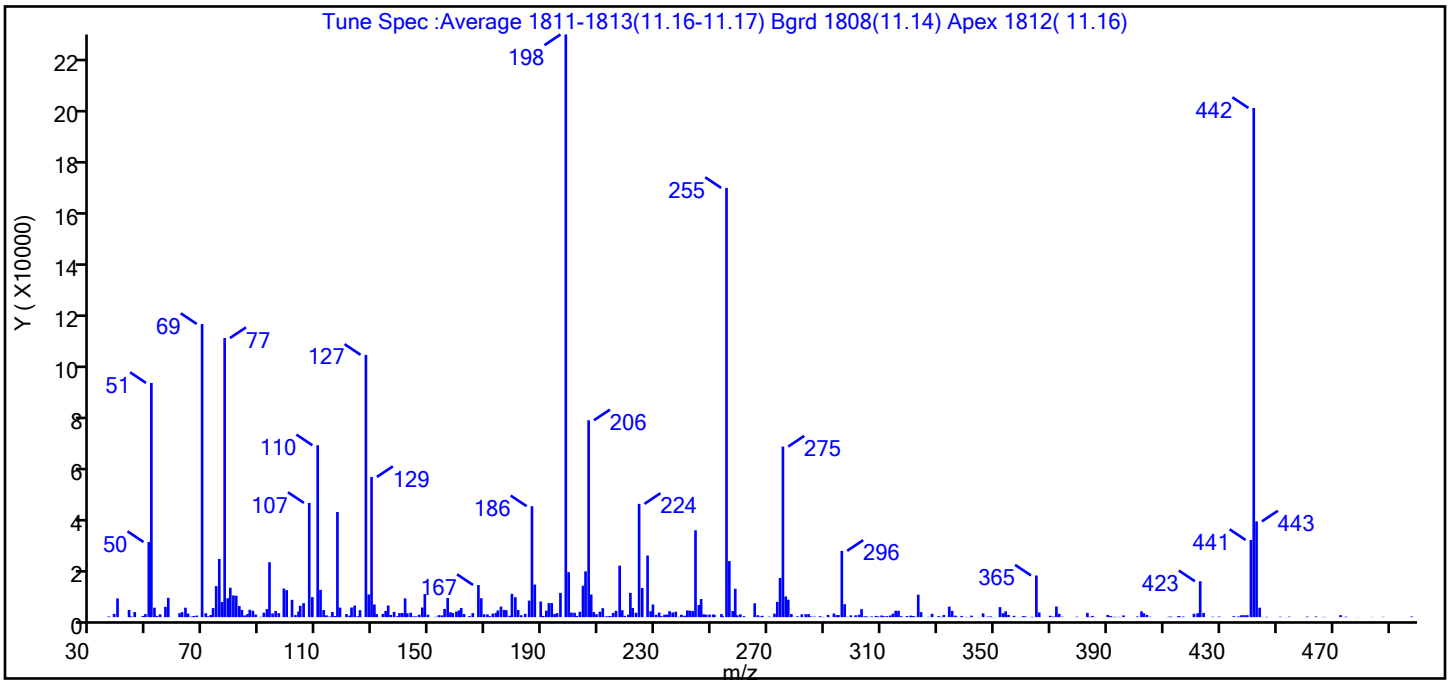
MB_DFTPP_WRK_00451 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d
Injection Date: 04-Sep-2025 10:46:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: AF ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

231 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (114.4)
51	10-80% of the base peak	40.2
68	<2% of mass 69	0.0 (0.0)
69	Present	50.3
70	<2% of mass 69	0.7 (1.3)
127	10-80% of the base peak	45.0
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.7
275	10-60% of the base peak	29.3
365	>1% of mass 198	7.1
441	present but <24% of mass 442	13.2 (15.2)
442	base peak, or >50% of 198	87.4
443	15-24% of mass 442	16.4 (18.8)

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d\X-8270.rslt\spectra.d
Injection Date: 04-Sep-2025 10:46:30
Spectrum: Tune Spec :Average 1811-1813(11.16-11.17) Bgrd 1808(11.14) Apex 1812(11.16)
Base Peak: 198.10
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	261	139.00	1591	232.00	386	335.00	2444
38.00	1269	140.00	1589	233.00	934	336.00	576
39.00	7259	141.00	7265	234.00	1000	337.00	155
43.00	2798	142.00	1494	235.00	2298	338.00	478
44.00	295	143.00	1692	236.00	1785	340.00	107
45.00	1966	144.00	302	237.00	2109	341.00	42
48.00	486	145.00	305	238.00	112	342.00	573
49.00	1170	146.00	939	239.00	938	345.00	66
50.00	29128	147.00	3726	240.00	543	346.00	1462
51.00	90760	148.00	8938	241.00	2602	348.00	212
52.00	3659	149.00	945	242.00	2479	349.00	287
53.00	488	150.00	22	243.00	2405	350.00	64
54.00	1090	152.00	142	244.00	33648	352.00	3882
56.00	3990	153.00	755	245.00	4708	353.00	1496
57.00	7490	154.00	672	246.00	7016	354.00	2254
61.00	1534	155.00	3168	247.00	1106	355.00	866
62.00	1909	156.00	7434	248.00	964	357.00	510
63.00	3659	157.00	1873	249.00	1004	359.00	46
64.00	1389	158.00	1570	250.00	1016	360.00	410
65.00	206	159.00	2141	251.00	846	361.00	283
66.00	456	160.00	2610	253.00	1175	363.00	136
67.00	608	161.00	3544	254.00	380	364.00	84
69.00	113608	162.00	1197	255.00	166336	365.00	16138
70.00	1500	164.00	416	256.00	21712	366.00	1807
71.00	338	165.00	1572	257.00	2381	370.00	527
72.00	836	167.00	12452	258.00	11011	371.00	242
73.00	3510	168.00	7332	259.00	710	372.00	4111
74.00	12025	169.00	1107	260.00	1083	373.00	1296
75.00	22552	170.00	1062	261.00	380	374.00	169
76.00	5854	171.00	373	265.00	5368	379.00	204
77.00	108152	172.00	1365	266.00	738	383.00	1649
78.00	7327	173.00	1649	267.00	236	384.00	140
79.00	11393	174.00	2591	268.00	523	385.00	462

Report Date: 05-Sep-2025 08:58:54 Chrom Revision: 2.3 13-Aug-2025 14:00:00
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d\X-8270.rslt\spectra.d
Injection Date: 04-Sep-2025 10:46:30
Spectrum: Tune Spec :Average 1811-1813(11.16-11.17) Bgrd 1808(11.14) Apex 1812(11.16)
Base Peak: 198.10
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	8405	175.00	4104	270.00	183	386.00	60
81.00	8297	176.00	2813	271.00	56	390.00	852
82.00	4333	177.00	2671	272.00	1346	391.00	472
83.00	2789	178.00	531	273.00	5925	392.00	88
84.00	647	179.00	9037	274.00	15199	393.00	145
85.00	1165	180.00	7726	275.00	66104	394.00	106
86.00	2858	181.00	2778	276.00	8009	395.00	75
87.00	2477	182.00	713	277.00	6745	396.00	667
88.00	982	184.00	1260	278.00	1211	401.00	266
90.00	137	185.00	6404	280.00	338	402.00	2253
91.00	1732	186.00	42984	282.00	1086	403.00	1502
92.00	3118	187.00	12634	283.00	1135	404.00	877
93.00	21280	189.00	6059	284.00	1169	405.00	157
94.00	1443	190.00	480	285.00	288	411.00	35
95.00	2389	191.00	2501	286.00	202	412.00	172
96.00	1545	192.00	5445	288.00	344	413.00	194
98.00	11086	193.00	5447	289.00	114	415.00	407
99.00	10459	194.00	1190	291.00	877	416.00	278
100.00	45	195.00	1538	292.00	88	417.00	233
101.00	6719	196.00	9401	293.00	1401	421.00	1303
102.00	798	198.00	225792	294.00	750	422.00	1491
103.00	2139	199.00	17448	295.00	799	423.00	13921
104.00	4409	200.00	1770	296.00	25696	424.00	1626
105.00	5429	201.00	1686	297.00	5010	428.00	158
107.00	44264	202.00	488	298.00	122	430.00	231
108.00	7753	203.00	2101	299.00	697	435.00	369
110.00	66616	204.00	12169	301.00	712	436.00	169
111.00	10566	205.00	17736	302.00	950	437.00	249
112.00	2767	206.00	76296	303.00	3093	438.00	756
113.00	712	207.00	8757	304.00	333	439.00	764
114.00	250	208.00	1948	305.00	277	440.00	752
115.00	2011	209.00	1114	307.00	279	441.00	29912
116.00	463	210.00	2139	308.00	477	442.00	197312
117.00	40752	211.00	3479	309.00	268	443.00	37096

Report Date: 05-Sep-2025 08:58:54 Chrom Revision: 2.3 13-Aug-2025 14:00:00
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d\X-8270.rslt\spectra.d
Injection Date: 04-Sep-2025 10:46:30
Spectrum: Tune Spec :Average 1811-1813(11.16-11.17) Bgrd 1808(11.14) Apex 1812(11.16)
Base Peak: 198.10
Minimum % Base Peak: 0
Number of Points: 348

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	3692	212.00	309	310.00	636	444.00	3664
119.00	16	213.00	377	311.00	355	445.00	74
120.00	1190	214.00	388	312.00	402	447.00	104
121.00	580	215.00	1598	313.00	640	447.00	79
122.00	3729	216.00	2451	314.00	1353	452.00	182
123.00	4461	217.00	19952	315.00	2469	454.00	40
124.00	347	218.00	2690	316.00	2460	455.00	187
125.00	2713	219.00	512	317.00	360	461.00	41
126.00	46	220.00	967	319.00	424	461.00	222
127.00	101648	221.00	9419	320.00	580	462.00	2
128.00	8769	222.00	3558	321.00	468	464.00	267
129.00	54320	223.00	1692	322.00	315	466.00	52
130.00	4901	224.00	43896	323.00	8694	467.00	118
131.00	1173	225.00	11320	324.00	1954	473.00	771
133.00	1251	226.00	36	327.00	140	474.00	74
134.00	2386	227.00	23872	328.00	1306	475.00	175
135.00	4523	228.00	2281	330.00	387	479.00	54
136.00	830	229.00	4903	331.00	133	484.00	88
137.00	2004	230.00	898	332.00	812	488.00	133
138.00	365	231.00	1770	334.00	4089	498.00	252

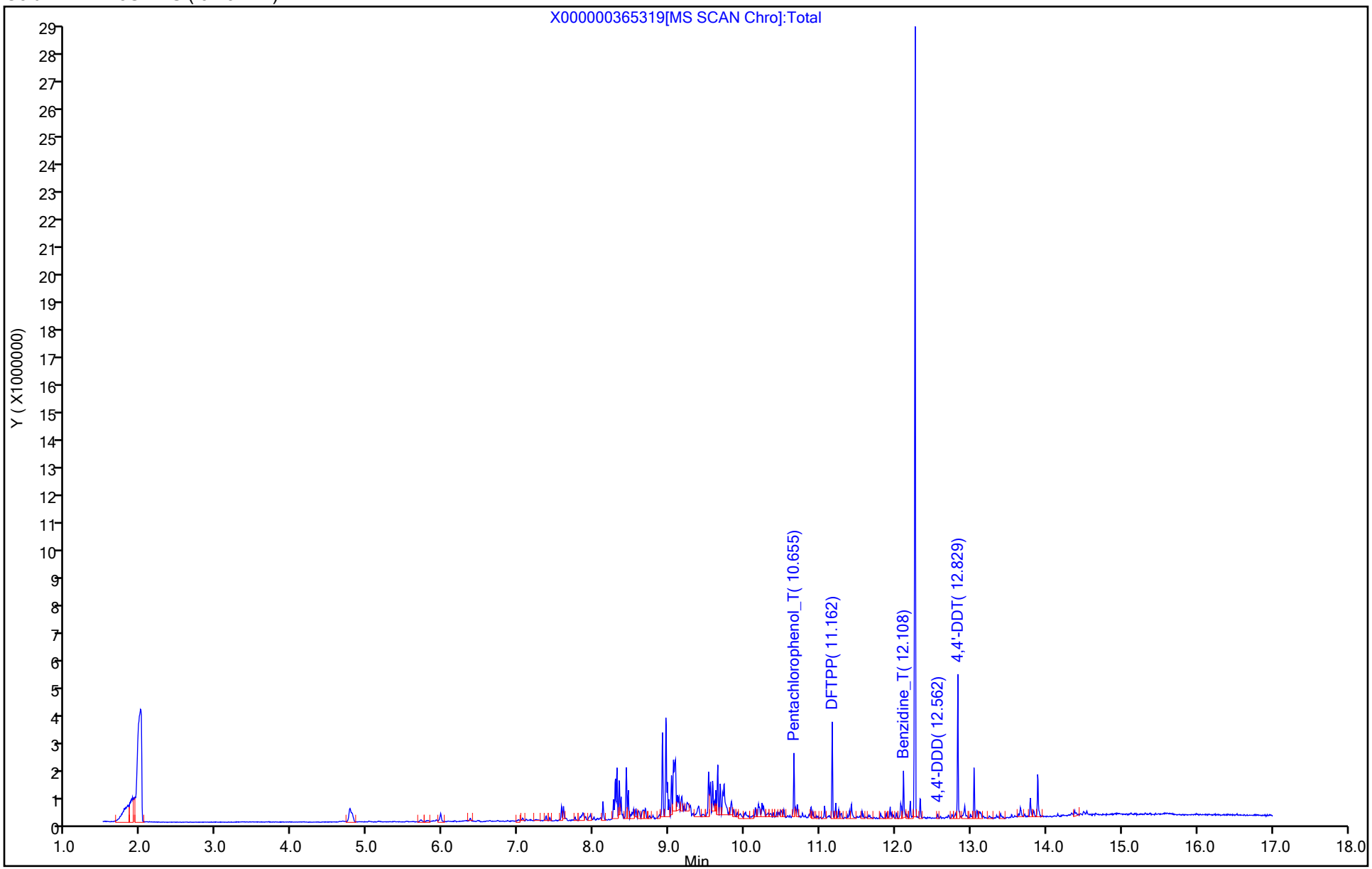
Report Date: 05-Sep-2025 08:58:54 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d

Injection Date:	04-Sep-2025 10:46:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	DFTPP			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)

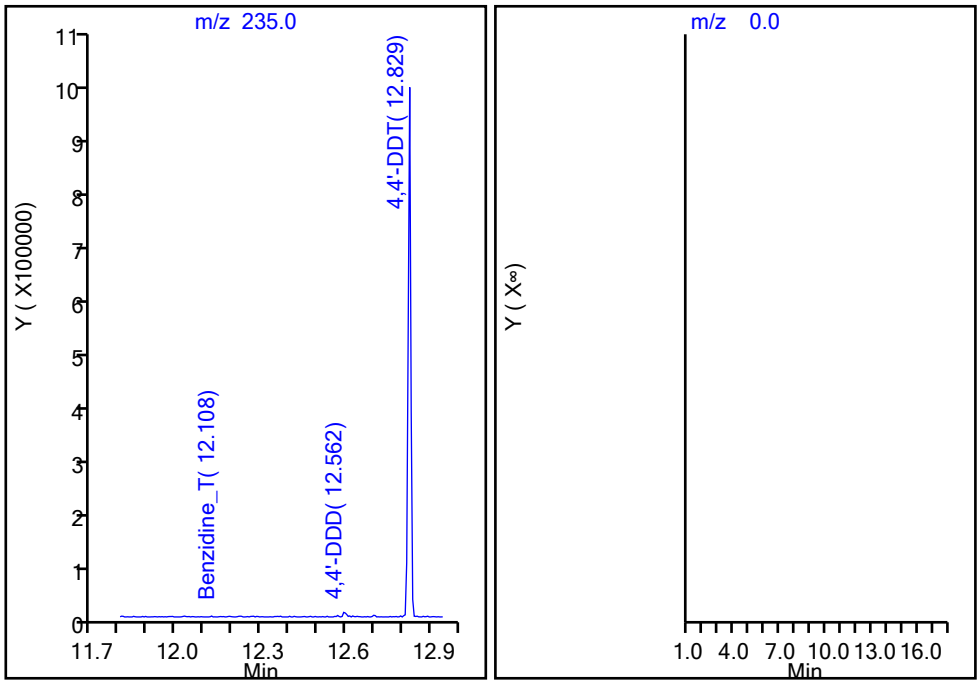


Breakdown Report

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d
Injection Date: 04-Sep-2025 10:46:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: AF ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

235 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

235 4,4'-DDT, Area = 618064
234 4,4'-DDD, Area = 1600
233 4,4'-DDE, Area = 0

%Breakdown: 0.26%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Buffalo

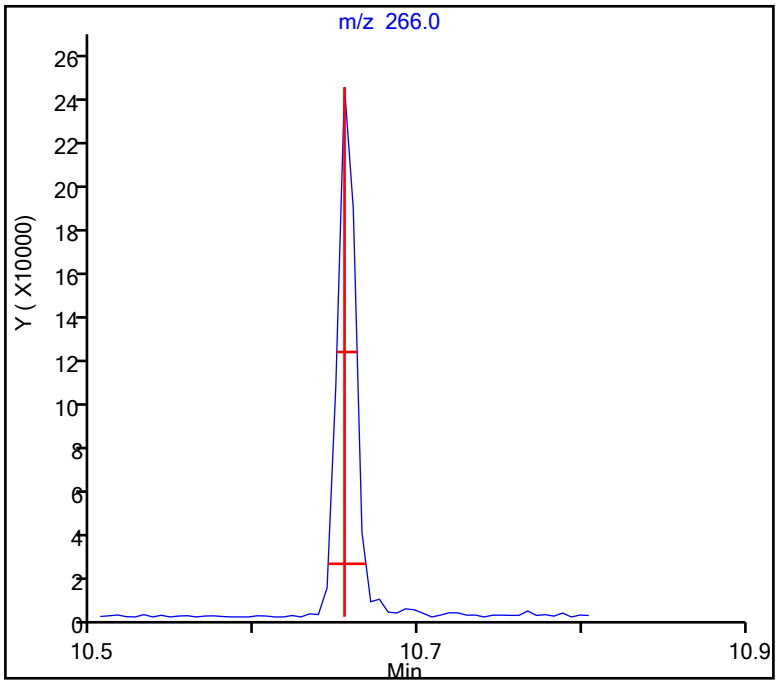
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d
Injection Date: 04-Sep-2025 10:46:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: AF ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

230 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.30, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Buffalo

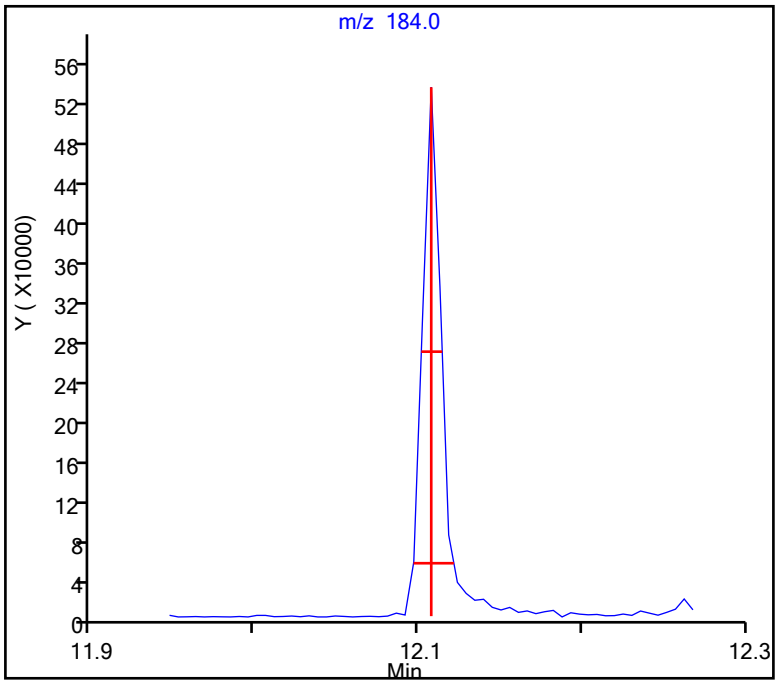
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365319.d
Injection Date: 04-Sep-2025 10:46:30 Instrument ID: HP5973X
Lims ID: DFTPP
Client ID:
Operator ID: AF ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL

232 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.27, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-755889/1-A

Matrix: Solid | Lab File ID: X000000365322.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15(g) | Date Analyzed: 09/04/2025 12:00

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	34
88-06-2	2,4,6-Trichlorophenol	ND		170	26
120-83-2	2,4-Dichlorophenol	ND		170	33
105-67-9	2,4-Dimethylphenol	ND		170	36
51-28-5	2,4-Dinitrophenol	ND		1700	32
121-14-2	2,4-Dinitrotoluene	ND		170	23
606-20-2	2,6-Dinitrotoluene	ND		170	24
91-58-7	2-Chloronaphthalene	ND		170	32
95-57-8	2-Chlorophenol	ND		170	27
91-57-6	2-Methylnaphthalene	ND		170	27
95-48-7	2-Methylphenol	ND		170	27
88-74-4	2-Nitroaniline	ND		330	29
88-75-5	2-Nitrophenol	ND		170	19
91-94-1	3,3'-Dichlorobenzidine	ND		330	50
99-09-2	3-Nitroaniline	ND		330	24
534-52-1	4,6-Dinitro-2-methylphenol	ND		330	37
101-55-3	4-Bromophenyl phenyl ether	ND		170	29
59-50-7	4-Chloro-3-methylphenol	ND		170	35
106-47-8	4-Chloroaniline	ND		170	24
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	36
106-44-5	4-Methylphenol	ND		330	30
100-01-6	4-Nitroaniline	ND		330	25
100-02-7	4-Nitrophenol	ND		330	46
83-32-9	Acenaphthene	ND		170	31
208-96-8	Acenaphthylene	ND		170	33
98-86-2	Acetophenone	ND		170	30
120-12-7	Anthracene	ND		170	31
1912-24-9	Atrazine	ND		170	57
100-52-7	Benzaldehyde	ND		170	130
56-55-3	Benzo[a]anthracene	ND		170	23
50-32-8	Benzo[a]pyrene	ND		170	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-755889/1-A

Matrix: Solid | Lab File ID: X000000365322.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15(g) | Date Analyzed: 09/04/2025 12:00

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	ND		170	23
191-24-2	Benzo[g,h,i]perylene	ND		170	30
207-08-9	Benzo[k]fluoranthene	ND		170	38
92-52-4	Biphenyl	ND		170	32
108-60-1	bis (2-chloroisopropyl) ether	ND		170	35
111-91-1	Bis(2-chloroethoxy)methane	ND		170	32
111-44-4	Bis(2-chloroethyl)ether	ND		170	32
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	37
85-68-7	Butyl benzyl phthalate	ND		170	31
105-60-2	Caprolactam	ND		170	39
86-74-8	Carbazole	ND		170	33
218-01-9	Chrysene	ND		170	41
53-70-3	Dibenz(a,h)anthracene	ND		170	34
132-64-9	Dibenzofuran	ND		170	30
84-66-2	Diethyl phthalate	ND		170	30
131-11-3	Dimethyl phthalate	ND		170	33
84-74-2	Di-n-butyl phthalate	ND		170	38
117-84-0	Di-n-octyl phthalate	ND		170	32
206-44-0	Fluoranthene	ND		170	31
86-73-7	Fluorene	ND		170	31
118-74-1	Hexachlorobenzene	ND		170	33
87-68-3	Hexachlorobutadiene	ND		170	25
77-47-4	Hexachlorocyclopentadiene	ND		330	74
67-72-1	Hexachloroethane	ND		170	31
193-39-5	Indeno[1,2,3-cd]pyrene	ND		170	25
78-59-1	Isophorone	ND		170	35
91-20-3	Naphthalene	ND		170	28
98-95-3	Nitrobenzene	ND		170	28
621-64-7	N-Nitrosodi-n-propylamine	ND		170	38
86-30-6	N-Nitrosodiphenylamine	ND		170	28
87-86-5	Pentachlorophenol	ND		330	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-755889/1-A

Matrix: Solid | Lab File ID: X000000365322.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15(g) | Date Analyzed: 09/04/2025 12:00

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	ND		170	32
108-95-2	Phenol	ND		170	31
129-00-0	Pyrene	ND		170	32

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		10-140
321-60-8	2-Fluorobiphenyl	82		29-120
367-12-4	2-Fluorophenol	69		18-120
4165-60-0	Nitrobenzene-d5	75		22-120
4165-62-2	Phenol-d5	69		23-120
1718-51-0	p-Terphenyl-d14	89		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365322.d
Lims ID: MB 480-755889/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Sep-2025 12:00:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-005
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:50:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	97	328678	40.0	40.0	
* 2 Naphthalene-d8	136	7.145	7.145	0.000	98	1061583	40.0	40.0	
* 3 Acenaphthene-d10	164	9.201	9.201	0.000	95	640970	40.0	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	98	1160660	40.0	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	99	1003459	40.0	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	99	1075071	40.0	40.0	
$ 7 2-Fluorophenol	112	3.891	3.886	0.005	90	326751	40.0	27.4	
$ 8 Phenol-d5	99	5.195	5.195	0.000	78	436615	40.0	27.5	
$ 9 Nitrobenzene-d5	82	6.285	6.285	0.000	87	486335	40.0	30.0	
$ 10 2-Fluorobiphenyl	172	8.432	8.432	0.000	96	782206	40.0	32.9	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	94	139338	40.0	31.2	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	98	934214	40.0	35.7	
204 Chlorotoluene N.O.S	1		-0.700					ND	
205 Lidocaine	1		-0.700					ND	
199 2-Chlorotoluene	91		-0.700					ND	
213 Chlorobenzotrifluoride N.O.S	1		-0.700					ND	
191 N-Methylaniline	1		-0.700					ND	
211 5-Ethyl-5-phenyl barbituric acid	1		-0.700					ND	
15 1,4-Dioxane	88		1.615					ND	
16 N-Nitrosodimethylamine	74		1.899					ND	
17 Pyridine	52		1.947					ND	
18 2-Picoline	93		2.967					ND	
19 N-Nitrosomethylethylamine	88		3.138					ND	
21 Acrylamide	44		3.608					ND	U
20 Methyl methanesulfonate	80		3.619					ND	
22 4-Chloropyridine	78		3.819					ND	
23 3-Chloropyridine	78		3.908					ND	
24 N-Nitrosodiethylamine	102		4.190					ND	
26 2-Chloropyridine	78		4.400					ND	
25 Ethyl methanesulfonate	79		4.618					ND	
27 Benzaldehyde	77		5.034					ND	
34 n,n'-Dimethylaniline	120		5.186					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
29 Aniline	93		5.189					ND	
28 Phenol	94		5.211					ND	
30 Pentachloroethane	167		5.243					ND	
31 Bis(2-chloroethyl)ether	93		5.280					ND	
32 2-Chlorophenol	128		5.344					ND	
35 n-Decane	57		5.435					ND	
36 1,3-Dichlorobenzene	146		5.526					ND	
37 1,4-Dichlorobenzene	146		5.622					ND	
38 Benzyl alcohol	108		5.798					ND	
39 1,2-Dichlorobenzene	146		5.809					ND	
33 p-Fluoroaniline	111		5.896					ND	
229 Indene	115		5.927					ND	
51 o-Anisidine	108		5.959					ND	
42 2,2'-oxybis[1-chloropropane]	45		5.964					ND	
40 2-Methylphenol	108		5.964					ND	
53 2,6-Dichloropyridine	112		5.996					ND	
43 N-Nitrosopyrrolidine	100		6.076					ND	
45 Acetophenone	105		6.108					ND	
47 N-Nitrosodi-n-propylamine	70		6.124					ND	
44 N-Nitrosomorpholine	56		6.124					ND	
48 2-Toluidine	106		6.156					ND	
46 4-Methylphenol	108		6.162					ND	
49 4-Methylbenzenamine	106		6.167					ND	
50 Hexachloroethane	117		6.220					ND	
52 Nitrobenzene	77		6.311					ND	
54 N-Nitrosopiperidine	114		6.488					ND	
56 Isophorone	82		6.605					ND	
212 2,4-Dichlorotoluene	125		6.632					ND	
57 2-Chloroaniline	127		6.659					ND	
58 2-Nitrophenol	139		6.696					ND	
66 5-Methyl-o-Anisidine	122		6.747					ND	
206 1,3,5-Trichlorobenzene	180		6.749					ND	
299 1,3-Dibromobenzene TIC	236		6.782					ND	
59 2,4-Dimethylphenol	107		6.792					ND	
300 1,4-Dibromobenzene TIC	236		6.817					ND	
61 Tetraethyl lead	237		6.824					ND	
60 o,o',o''-Triethylphosphorothioat	198		6.862					ND	
62 Bis(2-chloroethoxy)methane	93		6.888					ND	
65 2,4-Dichlorophenol	162		7.000					ND	
63 alpha,alpha-Dimethyl phenethylam	58		7.011					ND	
64 Benzoic acid	105		7.059					ND	
67 1,2,4-Trichlorobenzene	180		7.086					ND	
69 Naphthalene	128		7.171					ND	
184 4-Chlorophenol	128		7.198					ND	
41 Alpha-Terpineol	59		7.203					ND	
71 4-Chloroaniline	127		7.257					ND	
70 2,6-Dichlorophenol	162		7.262					ND	
72 Hexachloropropene	213		7.289					ND	
73 Hexachlorobutadiene	225		7.342					ND	
74 Quinoline	129		7.561					ND	
77 p-Phenylene diamine	108		7.663					ND	
76 N-Nitrosodi-n-butylamine	84		7.668					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
78 Caprolactam	113		7.700					ND	
79 4-Chloro-3-methylphenol	107		7.871					ND	
80 Safrole, Total	162		7.903					ND	
267 2,4,5-Trichlorotoluene	159		7.983					ND	
82 2-Methylnaphthalene	142		7.989					ND	
55 Phthalic anhydride	104		8.074					ND	
83 1-Methylnaphthalene	142		8.106					ND	
84 Hexachlorocyclopentadiene	237		8.192					ND	
85 1,2,4,5-Tetrachlorobenzene	216		8.197					ND	
292 Isosafrole Peak 1	162		8.251					ND	
269 2,3-Dichlorobenzenamine	161		8.325					ND	
86 2,4,6-Trichlorophenol	196		8.341					ND	
87 2,4,5-Trichlorophenol	196		8.395					ND	
89 Isosafrole	162		8.512					ND	
294 Isosafrole Peak 2	162		8.512					ND	
90 1,1'-Biphenyl	154		8.544					ND	
91 2-Chloronaphthalene	162		8.555					ND	
270 1,2,3,4 -Tetrachlorobenzene	216		8.555					ND	
92 1-Chloronaphthalene	162		8.582					ND	
93 2-Nitroaniline	65		8.689					ND	
94 1,4-Naphthoquinone	158		8.758					ND	
68 Dicyclohexylamine	138		8.806					ND	
95 1,4-Dinitrobenzene	168		8.844					ND	
96 Dimethyl phthalate	163		8.918					ND	
97 1,3-Dinitrobenzene	168		8.940					ND	
99 2,6-Dinitrotoluene	165		8.977					ND	
100 Acenaphthylene	152		9.036					ND	
101 3-Nitroaniline	138		9.169					ND	
102 Acenaphthene	153		9.239					ND	
103 2,4-Dinitrophenol	184		9.292					ND	
105 Pentachlorobenzene	250		9.404					ND	
104 4-Nitrophenol	109		9.420					ND	
107 Dibenzofuran	168		9.442					ND	
106 2,4-Dinitrotoluene	165		9.447					ND	
108 1-Naphthylamine	143		9.533					ND	
109 2,3,5,6-Tetrachlorophenol	232		9.549					ND	
110 2,3,4,6-Tetrachlorophenol	232		9.602					ND	
111 2-Naphthylamine	143		9.623					ND	
112 Diethyl phthalate	149		9.746					ND	
138 Hexadecane	57		9.784					ND	U
114 Thionazin	97		9.826					ND	
115 Fluorene	166		9.837					ND	
116 4-Chlorophenyl phenyl ether	204		9.853					ND	
117 N-Nitro-o-toluidine	152		9.859					ND	
118 4-Nitroaniline	138		9.880					ND	
119 4,6-Dinitro-2-methylphenol	198		9.917					ND	
120 N-Nitrosodiphenylamine	169		9.987					ND	
121 Diphenylamine	169		9.987					ND	
81 Tributyl phosphate	99		9.997					ND	
123 1,2-Diphenylhydrazine	77		10.029					ND	
122 Azobenzene	77		10.029					ND	
124 Sulfotepp	322		10.184					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
125 1,3,5-Trinitrobenzene	75		10.286					ND	
128 Phorate	75		10.313					ND	
295 Diallate Peak 1	86		10.313					ND	U
127 Diallate	86		10.313					ND	
129 Phenacetin	108		10.339					ND	
130 4-Bromophenyl phenyl ether	248		10.382					ND	
297 Diallate Peak 2	86		10.398					ND	
131 Hexachlorobenzene	284		10.446					ND	
132 Dimethoate	87		10.484					ND	
88 Simazine	201		10.537					ND	
133 Atrazine	200		10.580					ND	
135 4-Aminobiphenyl	169		10.655					ND	
134 Pentachlorophenol	266		10.660					ND	
136 Pentachloronitrobenzene	237		10.665					ND	
137 Pronamide	173		10.735					ND	
113 n-Octadecane	57		10.772					ND	U
141 Phenanthrene	178		10.852					ND	
139 Dinoseb	211		10.852					ND	
140 Disulfoton	88		10.852					ND	
142 Anthracene	178		10.906					ND	
143 Carbazole	167		11.077					ND	
144 Methyl parathion	109		11.215					ND	
98 Alachlor	160		11.226					ND	
271 2-Methylanthracene	192		11.424					ND	
145 Di-n-butyl phthalate	149		11.429					ND	
150 Octachlorostyrene	308		11.564					ND	
146 Ethyl Parathion	97		11.589					ND	
147 4-Nitroquinoline-1-oxide	190		11.600					ND	
148 Anthraquinone	180		11.621					ND	
149 Methapyrilene	58		11.686					ND	
151 Isodrin	193		11.841					ND	
152 Fluoranthene	202		11.979					ND	
153 1-Hydroxyanthraquinone	224		12.011					ND	
154 Benzidine	184		12.108					ND	
155 Pyrene	202		12.182					ND	
293 Aramite Peak 1	185		12.311					ND	U
296 Aramite Peak 2	185		12.380					ND	U
156 Aramite, Total	185		12.380					ND	U
157 1,4-Dihydroxyanthraquinone	240		12.423					ND	
158 p-Dimethylamino azobenzene	120		12.444					ND	
159 Chlorobenzilate	139		12.492					ND	
160 Famphur	218		12.695					ND	
161 3,3'-Dimethylbenzidine	212		12.733					ND	
162 Butyl benzyl phthalate	149		12.749					ND	
163 9-Octadecenamide	72		12.759					ND	
126 Kepone	272		12.776					ND	
164 2-Acetylaminofluorene	181		12.946					ND	
165 4,4'-Methylene bis(2-chloroani	231		13.192					ND	
166 3,3'-Dichlorobenzidine	252		13.197					ND	
167 Benzo[a]anthracene	228		13.213					ND	
172 Bis(2-ethylhexyl) phthalate	149		13.235					ND	
169 Chrysene	228		13.245					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
170 6-Methylchrysene	242		13.614					ND	
168 Di-n-octyl phthalate	149		13.758					ND	
173 7,12-Dimethylbenz(a)anthracene	256		14.068					ND	
174 Benzo[b]fluoranthene	252		14.084					ND	
175 Benzo[k]fluoranthene	252		14.106					ND	
176 Hexachlorophene	196		14.218					ND	
268 Benzo[e]pyrene	252	14.314	14.325	-0.005	2	170		NC	
177 Benzo[a]pyrene	252		14.335					ND	
178 3-Methylcholanthrene	252		14.597					ND	
179 Dibenz[a,h]acridine	279		15.046					ND	U
180 Indeno[1,2,3-cd]pyrene	276		15.270					ND	
181 Dibenz(a,h)anthracene	278		15.276					ND	
182 Benzo[g,h,i]perylene	276		15.521					ND	
183 Dibenzo[a,e]pyrene	302		17.391					ND	
278 Photomirex TIC	1		-0.700					ND	
274 Phenyl ether	1		-0.700					ND	
291 3-Chlorobenzotrifluoride TIC	1		-0.700					ND	
273 4-tert-Octylphenol	1		-0.700					ND	
196 CU-600	1		-0.700					ND	
186 Dibenz[a,j]acridine	279		-0.700					ND	
193 Dibenz(a,i)pyrene	1		-0.700					ND	
275 1,2,3-Trimethylbenzene	105		-0.700					ND	
194 CN-500	1		-0.700					ND	
202 4-Chlorotoluene	91		-0.700					ND	
277 1,4-Dioxane TIC	1		-0.700					ND	
225 2,4-Toluene diamine	1		-0.700					ND	
219 alpha,alpha-Dimethyl phenethylam	1		-0.700					ND	
223 2-Chlorobenzotrifluoride	1		-0.700					ND	
188 CAG-800	1		-0.700					ND	
208 n,n'-Dimethylacetamide	1		-0.700					ND	
217 1-Bromopropane	1		-0.700					ND	
290 2,4-Dichlorotoluene TIC	1		-0.700					ND	
216 4-Chlorobenzotrifluoride	1		-0.700					ND	
201 2,3-Dichlorophenol	1		-0.700					ND	
272 Benzophenone	1		-0.700					ND	
203 Pendimethalin	1		-0.700					ND	
287 2,6-Dichlorotoluene TIC	1		-0.700					ND	
192 NVF-400	1		-0.700					ND	
200 Dibenzo[a,h]pyrene	1		-0.700					ND	
276 4-Chloro-3-nitro-alpha,alpha,alp	1		-0.700					ND	
224 CBF-400	1		-0.700					ND	
289 2-Chlorobenzotrifluoride TIC	1		-0.700					ND	
185 Phenylmercaptan	110		-0.700					ND	
207 3-Chlorobenzotrifluoride	1		-0.700					ND	
190 Benzeneacetonitrile	1		-0.700					ND	
209 7H-Dibenzo[c,g]carbazole	1		-0.700					ND	
195 Phenylacetic Acid	1		-0.700					ND	
210 3-Chlorotoluene	1		-0.700					ND	
298 2-Aminopyridine TIC	1		-0.700					ND	
215 1-Methylcyclopentanol	1		-0.700					ND	
221 CBF-500	1		-0.700					ND	
S 239 EPH Adjustment 1	1		-0.700					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
S 237 Total Cresols	1		-0.700					ND	
S 236 3 & 4 Methylphenol	108		-0.700					ND	
S 238 3-Methylphenol	1		-0.700					ND	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
U - Marked Undetected

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

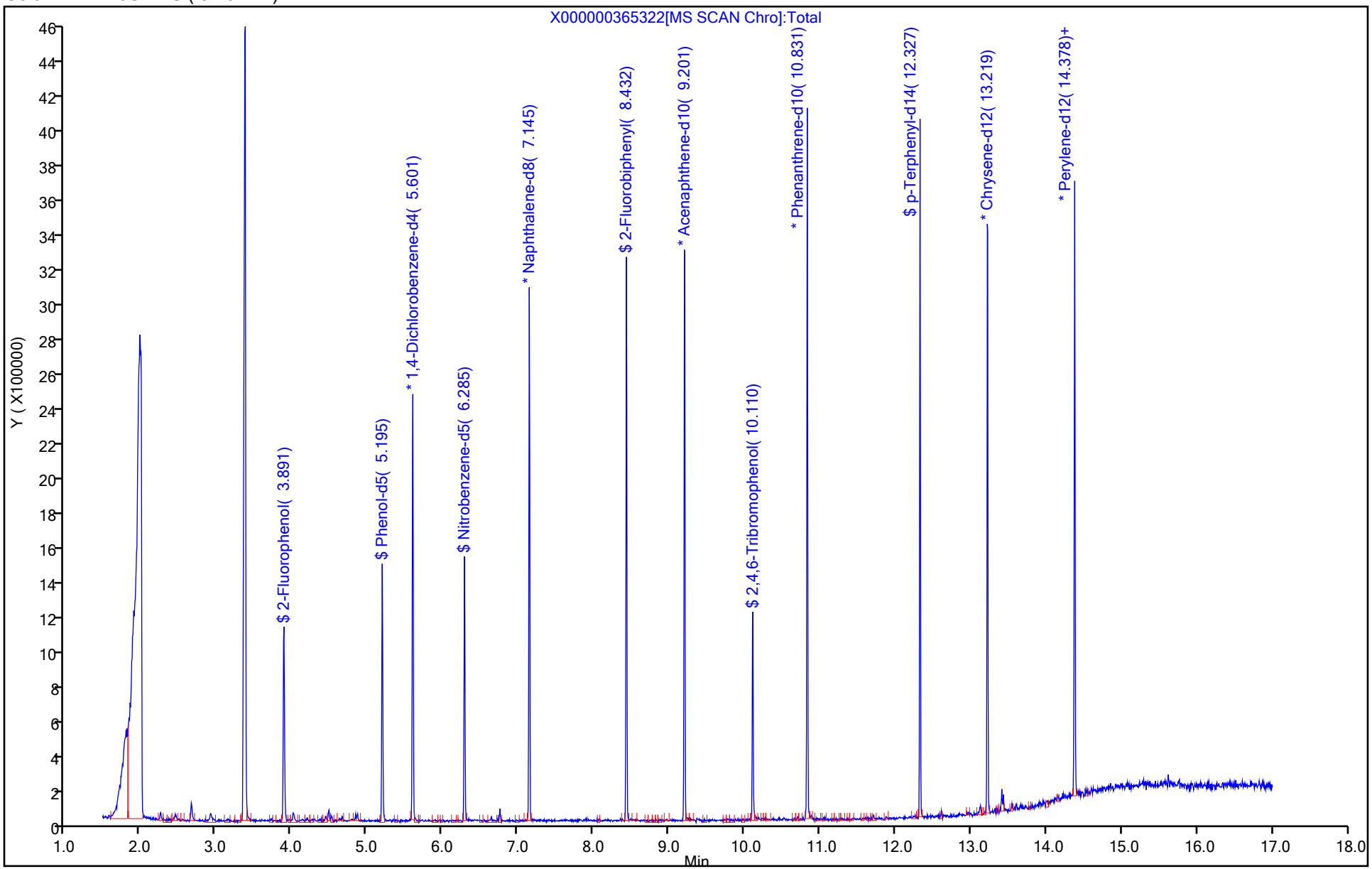
Report Date: 05-Sep-2025 08:58:25 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365322.d

Injection Date:	04-Sep-2025 12:00:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	MB 480-755889/1-A			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365322.d
Lims ID: MB 480-755889/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Sep-2025 12:00:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-005
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:50:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	27.4	68.52
$ 8 Phenol-d5	40.0	27.5	68.74
$ 9 Nitrobenzene-d5	40.0	30.0	74.93
$ 10 2-Fluorobiphenyl	40.0	32.9	82.17
$ 11 2,4,6-Tribromophenol	40.0	31.2	77.99
$ 12 p-Terphenyl-d14	40.0	35.7	89.20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-755889/2-A

Matrix: Solid | Lab File ID: X000000365323.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15(g) | Date Analyzed: 09/04/2025 12:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2050		170	34
88-06-2	2,4,6-Trichlorophenol	2180		170	26
120-83-2	2,4-Dichlorophenol	2370		170	33
105-67-9	2,4-Dimethylphenol	2230		170	36
51-28-5	2,4-Dinitrophenol	2840		1700	32
121-14-2	2,4-Dinitrotoluene	2280		170	23
606-20-2	2,6-Dinitrotoluene	2130		170	24
91-58-7	2-Chloronaphthalene	2100		170	32
95-57-8	2-Chlorophenol	1870		170	27
91-57-6	2-Methylnaphthalene	2160		170	27
95-48-7	2-Methylphenol	1860		170	27
88-74-4	2-Nitroaniline	1920		330	29
88-75-5	2-Nitrophenol	2200		170	19
91-94-1	3,3'-Dichlorobenzidine	1600		330	50
99-09-2	3-Nitroaniline	1330		330	24
534-52-1	4,6-Dinitro-2-methylphenol	4230		330	37
101-55-3	4-Bromophenyl phenyl ether	2370		170	29
59-50-7	4-Chloro-3-methylphenol	2090		170	35
106-47-8	4-Chloroaniline	1130		170	24
7005-72-3	4-Chlorophenyl phenyl ether	2110		170	36
106-44-5	4-Methylphenol	1950		330	30
100-01-6	4-Nitroaniline	1870		330	25
100-02-7	4-Nitrophenol	3880		330	46
83-32-9	Acenaphthene	2150		170	31
208-96-8	Acenaphthylene	2070		170	33
98-86-2	Acetophenone	1810		170	30
120-12-7	Anthracene	2160		170	31
1912-24-9	Atrazine	1620		170	57
100-52-7	Benzaldehyde	1120		170	130
56-55-3	Benzo[a]anthracene	2240		170	23
50-32-8	Benzo[a]pyrene	2260		170	29

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-755889/2-A

Matrix: Solid | Lab File ID: X000000365323.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15(g) | Date Analyzed: 09/04/2025 12:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	2280		170	23
191-24-2	Benzo[g,h,i]perylene	2310		170	30
207-08-9	Benzo[k]fluoranthene	2330		170	38
92-52-4	Biphenyl	2170		170	32
108-60-1	bis (2-chloroisopropyl) ether	1710		170	35
111-91-1	Bis(2-chloroethoxy)methane	2090		170	32
111-44-4	Bis(2-chloroethyl)ether	1740		170	32
117-81-7	Bis(2-ethylhexyl) phthalate	2270		170	37
85-68-7	Butyl benzyl phthalate	2220		170	31
105-60-2	Caprolactam	1430		170	39
86-74-8	Carbazole	2240		170	33
218-01-9	Chrysene	2280		170	41
53-70-3	Dibenz(a,h)anthracene	2410		170	34
132-64-9	Dibenzofuran	2150		170	30
84-66-2	Diethyl phthalate	2050		170	30
131-11-3	Dimethyl phthalate	2030		170	33
84-74-2	Di-n-butyl phthalate	2100		170	38
117-84-0	Di-n-octyl phthalate	2270		170	32
206-44-0	Fluoranthene	2250		170	31
86-73-7	Fluorene	2240		170	31
118-74-1	Hexachlorobenzene	2180		170	33
87-68-3	Hexachlorobutadiene	2190		170	25
77-47-4	Hexachlorocyclopentadiene	1990		330	74
67-72-1	Hexachloroethane	1770		170	31
193-39-5	Indeno[1,2,3-cd]pyrene	2270		170	25
78-59-1	Isophorone	1930		170	35
91-20-3	Naphthalene	2060		170	28
98-95-3	Nitrobenzene	1920		170	28
621-64-7	N-Nitrosodi-n-propylamine	1760		170	38
86-30-6	N-Nitrosodiphenylamine	2240		170	28
87-86-5	Pentachlorophenol	3410		330	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-755889/2-A

Matrix: Solid | Lab File ID: X000000365323.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15(g) | Date Analyzed: 09/04/2025 12:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	2240		170	32
108-95-2	Phenol	1720		170	31
129-00-0	Pyrene	2250		170	32

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	84		10-140
321-60-8	2-Fluorobiphenyl	86		29-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	75		22-120
4165-62-2	Phenol-d5	70		23-120
1718-51-0	p-Terphenyl-d14	85		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365323.d
Lims ID: LCS 480-755889/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Sep-2025 12:25:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-006
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:51:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	96	238118	40.0	40.0	
* 2 Naphthalene-d8	136	7.145	7.145	0.000	98	748298	40.0	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	95	475676	40.0	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	98	912829	40.0	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	99	934613	40.0	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	99	1006375	40.0	40.0	
$ 7 2-Fluorophenol	112	3.886	3.886	0.000	89	233849	40.0	27.1	
$ 8 Phenol-d5	99	5.195	5.195	0.000	91	322521	40.0	28.0	
$ 9 Nitrobenzene-d5	82	6.285	6.285	0.000	89	342510	40.0	29.9	
$ 10 2-Fluorobiphenyl	172	8.432	8.432	0.000	97	606928	40.0	34.4	
$ 11 2,4,6-Tribromophenol	330	10.110	10.110	0.000	92	117642	40.0	33.4	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	98	825660	40.0	33.9	
15 1,4-Dioxane	88	1.599	1.615	-0.016	88	66991	40.0	15.7	
16 N-Nitrosodimethylamine	74	1.888	1.888	-0.011	86	148589	40.0	22.8	a
17 Pyridine	52	1.936	1.952	-0.011	96	191306	80.0	31.7	
27 Benzaldehyde	77	5.034	5.035	0.000	93	216101	40.0	16.8	
29 Aniline	93	5.184	5.189	-0.005	97	244284	40.0	15.9	
28 Phenol	94	5.211	5.211	0.000	95	340720	40.0	25.8	
31 Bis(2-chloroethyl)ether	93	5.280	5.280	0.000	97	243666	40.0	26.0	
32 2-Chlorophenol	128	5.344	5.344	0.000	92	212860	40.0	28.0	
35 n-Decane	57	5.435	5.435	0.000	94	177638	40.0	22.0	
36 1,3-Dichlorobenzene	146	5.526	5.526	0.000	91	245524	40.0	29.1	
37 1,4-Dichlorobenzene	146	5.622	5.622	0.000	82	237186	40.0	27.3	
38 Benzyl alcohol	108	5.793	5.798	-0.005	86	194312	40.0	30.8	
39 1,2-Dichlorobenzene	146	5.809	5.809	0.000	88	243049	40.0	30.1	
229 Indene	115	5.927	5.927	0.000	88	3231306	320.0	213.1	
42 2,2'-oxybis[1-chloropropane]	45	5.964	5.964	0.000	46	180993	40.0	25.6	a
40 2-Methylphenol	108	5.964	5.964	0.000	77	249125	40.0	27.9	
45 Acetophenone	105	6.108	6.108	0.000	93	396441	40.0	27.1	
47 N-Nitrosodi-n-propylamine	70	6.124	6.124	0.000	82	217173	40.0	26.4	
46 4-Methylphenol	108	6.162	6.162	0.000	91	264201	40.0	29.2	
50 Hexachloroethane	117	6.220	6.220	0.000	85	119848	40.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
52 Nitrobenzene	77	6.306	6.311	-0.005	93	318998	40.0	28.7	
56 Isophorone	82	6.605	6.605	0.000	97	578109	40.0	28.9	
58 2-Nitrophenol	139	6.701	6.701	0.005	73	115971	40.0	33.0	
59 2,4-Dimethylphenol	107	6.792	6.792	0.000	82	342037	40.0	33.5	
62 Bis(2-chloroethoxy)methane	93	6.888	6.883	0.000	98	316566	40.0	31.3	
65 2,4-Dichlorophenol	162	7.006	7.006	0.006	88	207882	40.0	35.5	
64 Benzoic acid	105	7.038	6.904	-0.021	89	1452649	320.0	201.6	
67 1,2,4-Trichlorobenzene	180	7.086	7.086	0.000	90	234051	40.0	34.4	
69 Naphthalene	128	7.171	7.171	0.000	97	621472	40.0	30.9	
71 4-Chloroaniline	127	7.257	7.257	0.000	89	140403	40.0	16.9	
70 2,6-Dichlorophenol	162	7.262	7.262	0.000	88	201120	40.0	33.4	
73 Hexachlorobutadiene	225	7.342	7.348	0.000	95	193171	40.0	32.8	
78 Caprolactam	113	7.679	7.706	-0.021	81	76201	40.0	21.4	
79 4-Chloro-3-methylphenol	107	7.866	7.871	-0.005	86	277454	40.0	31.3	
82 2-Methylnaphthalene	142	7.994	7.989	0.005	93	406896	40.0	32.4	
83 1-Methylnaphthalene	142	8.106	8.106	0.000	92	392816	40.0	30.9	
84 Hexachlorocyclopentadiene	237	8.192	8.196	0.000	94	221733	40.0	29.8	
85 1,2,4,5-Tetrachlorobenzene	216	8.197	8.197	0.000	92	272718	40.0	30.7	
86 2,4,6-Trichlorophenol	196	8.341	8.341	0.000	93	172567	40.0	32.7	
87 2,4,5-Trichlorophenol	196	8.389	8.400	-0.006	94	175892	40.0	30.7	
90 1,1'-Biphenyl	154	8.544	8.549	0.000	96	606953	40.0	32.6	
91 2-Chloronaphthalene	162	8.555	8.560	0.000	95	443828	40.0	31.6	
93 2-Nitroaniline	65	8.694	8.689	0.005	86	184223	40.0	28.8	
96 Dimethyl phthalate	163	8.918	8.918	0.000	98	555213	40.0	30.5	
97 1,3-Dinitrobenzene	168	8.940	8.940	0.000	89	86109	40.0	35.5	
99 2,6-Dinitrotoluene	165	8.977	8.982	0.000	80	113371	40.0	32.0	
100 Acenaphthylene	152	9.036	9.036	0.000	96	766412	40.0	31.1	
101 3-Nitroaniline	138	9.169	9.169	0.000	87	77297	40.0	19.9	
102 Acenaphthene	153	9.244	9.239	0.005	96	492228	40.0	32.2	
103 2,4-Dinitrophenol	184	9.292	9.298	0.000	86	97988	80.0	42.6	
104 4-Nitrophenol	109	9.420	9.420	0.000	85	260268	80.0	58.2	
107 Dibenzofuran	168	9.442	9.442	0.000	92	722619	40.0	32.2	
106 2,4-Dinitrotoluene	165	9.442	9.453	-0.005	68	176605	40.0	34.3	
110 2,3,4,6-Tetrachlorophenol	232	9.607	9.602	0.005	96	164590	40.0	34.3	
112 Diethyl phthalate	149	9.746	9.746	0.000	97	608700	40.0	30.8	
138 Hexadecane	57	9.789	9.784	0.005	85	287831	40.0	27.7	
115 Fluorene	166	9.842	9.837	0.005	97	603377	40.0	33.6	
116 4-Chlorophenyl phenyl ether	204	9.853	9.853	0.000	84	304311	40.0	31.7	
118 4-Nitroaniline	138	9.880	9.886	0.000	84	108308	40.0	28.0	
119 4,6-Dinitro-2-methylphenol	198	9.917	9.922	0.000	93	181350	80.0	63.4	
120 N-Nitrosodiphenylamine	169	9.987	9.987	0.000	70	424055	40.0	33.6	
121 Diphenylamine	169	9.987	9.987	0.000	98	424055	34.2	28.7	
123 1,2-Diphenylhydrazine	77	10.029	10.029	0.000	51	725276	40.0	28.8	
122 Azobenzene	77	10.029	10.029	0.000	100	726558	40.0	28.9	
130 4-Bromophenyl phenyl ether	248	10.382	10.387	0.000	86	205568	40.0	35.5	
131 Hexachlorobenzene	284	10.446	10.451	0.000	97	232158	40.0	32.8	
133 Atrazine	200	10.580	10.586	0.000	92	196371	40.0	24.3	
134 Pentachlorophenol	266	10.660	10.660	0.000	90	220231	80.0	51.1	
113 n-Octadecane	57	10.777	10.772	0.005	87	308677	40.0	28.9	
141 Phenanthrene	178	10.858	10.852	0.006	98	819005	40.0	33.5	
142 Anthracene	178	10.906	10.906	0.000	99	843496	40.0	32.4	
143 Carbazole	167	11.077	11.077	0.000	98	772516	40.0	33.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
145 Di-n-butyl phthalate	149	11.434	11.429	0.005	100	978895	40.0	31.5	
152 Fluoranthene	202	11.979	11.979	0.000	98	1041625	40.0	33.8	
154 Benzidine	184	12.108	12.108	0.000	97	76289	40.0	4.42	
155 Pyrene	202	12.182	12.182	0.000	98	1045329	40.0	33.8	
162 Butyl benzyl phthalate	149	12.754	12.749	0.005	94	466346	40.0	33.3	
166 3,3'-Dichlorobenzidine	252	13.197	13.197	0.000	98	276268	40.0	24.0	
167 Benzo[a]anthracene	228	13.213	13.214	0.000	98	1019713	40.0	33.7	
172 Bis(2-ethylhexyl) phthalate	149	13.240	13.235	0.005	97	694225	40.0	34.0	
169 Chrysene	228	13.246	13.245	0.001	96	977960	40.0	34.1	
168 Di-n-octyl phthalate	149	13.758	13.758	0.000	97	1123043	40.0	34.1	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	96	1091636	40.0	34.2	
175 Benzo[k]fluoranthene	252	14.106	14.095	0.000	96	1044667	40.0	35.0	
177 Benzo[a]pyrene	252	14.335	14.335	0.000	98	964202	40.0	33.8	
180 Indeno[1,2,3-cd]pyrene	276	15.270	15.270	0.000	95	1244186	40.0	34.0	
181 Dibenz(a,h)anthracene	278	15.276	15.276	0.000	95	1027745	40.0	36.2	
182 Benzo[g,h,i]perylene	276	15.521	15.521	0.000	97	941284	40.0	34.7	
S 238 3-Methylphenol	1				0		40.0	29.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

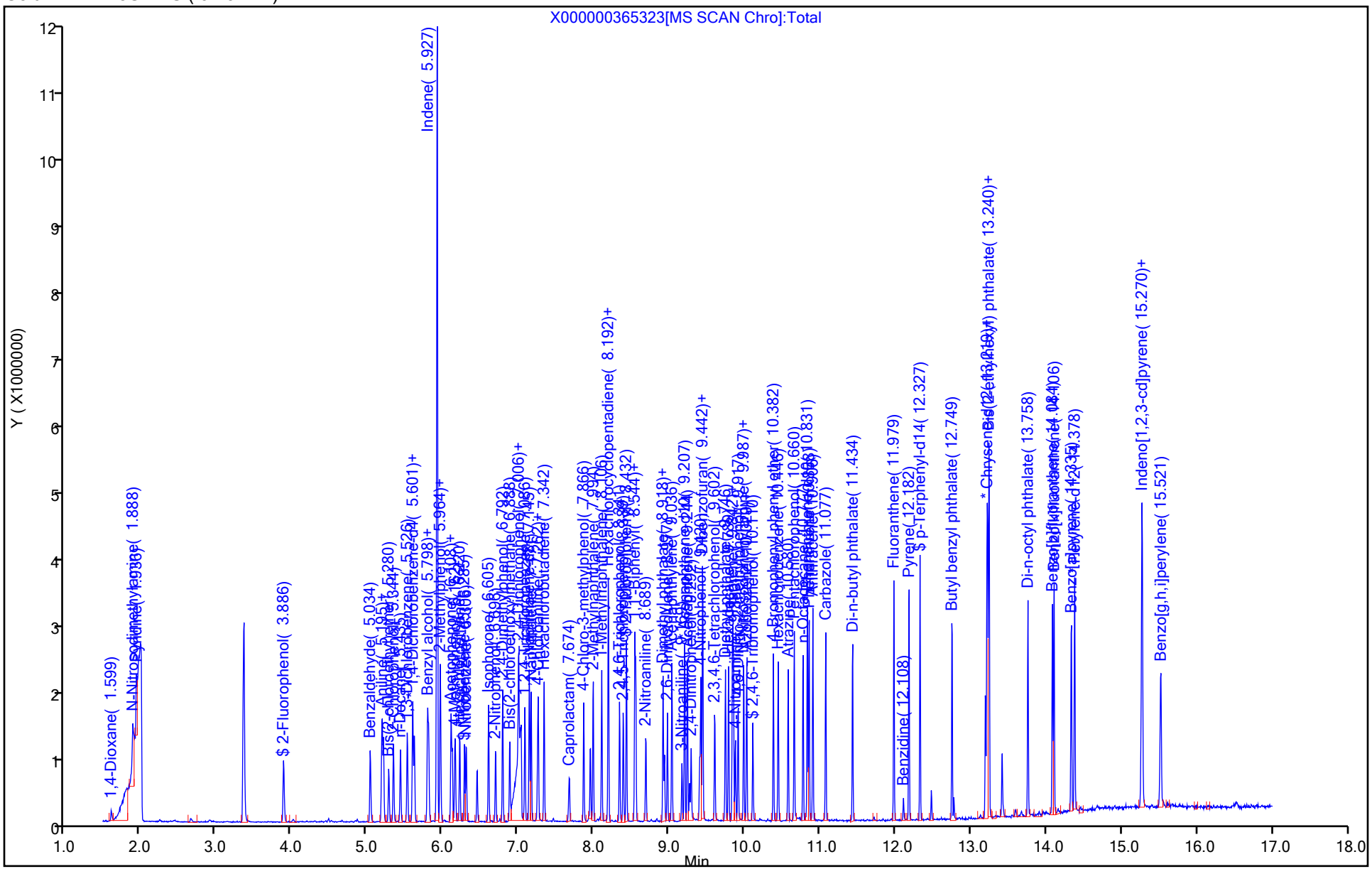
Report Date: 05-Sep-2025 08:58:28 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365323.d

Injection Date:	04-Sep-2025 12:25:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	LCS 480-755889/2-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365323.d
Lims ID: LCS 480-755889/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Sep-2025 12:25:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-006
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:51:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	27.1	67.70
$ 8 Phenol-d5	40.0	28.0	70.09
$ 9 Nitrobenzene-d5	40.0	29.9	74.87
$ 10 2-Fluorobiphenyl	40.0	34.4	85.94
$ 11 2,4,6-Tribromophenol	40.0	33.4	83.57
$ 12 p-Terphenyl-d14	40.0	33.9	84.64

Manual Integration/User Assign Peak Report

Eurofins Buffalo

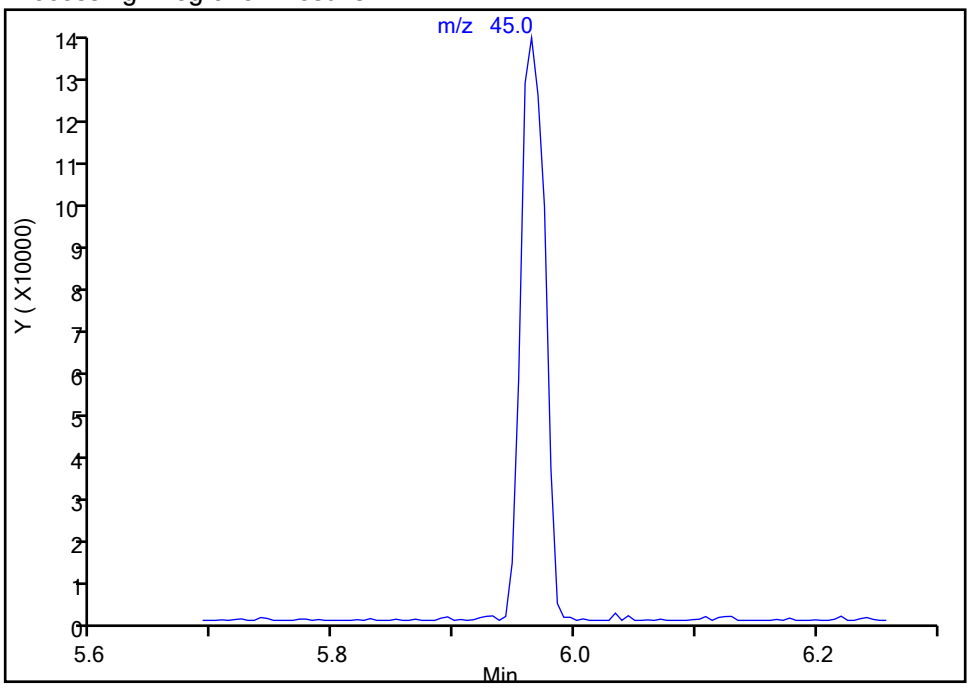
Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365323.d
Injection Date: 04-Sep-2025 12:25:30 Instrument ID: HP5973X
Lims ID: LCS 480-755889/2-A
Client ID:
Operator ID: AF ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: X-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

42 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

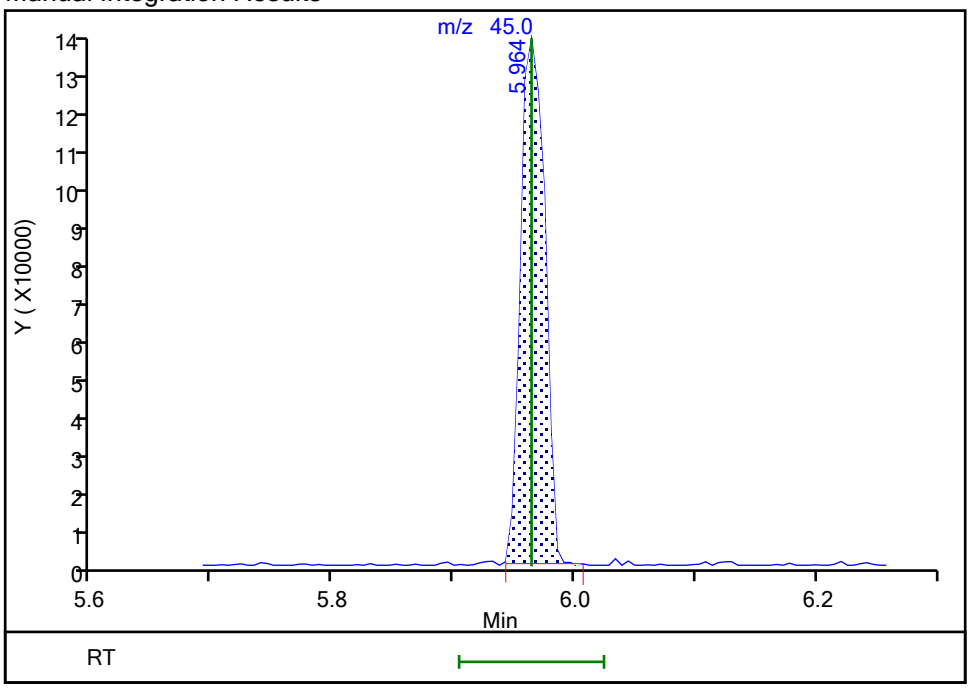
Not Detected
Expected RT: 5.96

Processing Integration Results



Manual Integration Results

RT: 5.96
Area: 180993
Amount: 25.632632
Amount Units: ng/uL



Reviewer: PY8T, 05-Sep-2025 08:50:47 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft MS | Lab Sample ID: 480-232238-5 MS

Matrix: Solid | Lab File ID: X000000365324.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 12:50

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2580		180	37
88-06-2	2,4,6-Trichlorophenol	2380		180	28
120-83-2	2,4-Dichlorophenol	2540		180	35
105-67-9	2,4-Dimethylphenol	1990		180	38
51-28-5	2,4-Dinitrophenol	3100		1800	34
121-14-2	2,4-Dinitrotoluene	2610		180	25
606-20-2	2,6-Dinitrotoluene	2550		180	26
91-58-7	2-Chloronaphthalene	2410		180	34
95-57-8	2-Chlorophenol	2260		180	28
91-57-6	2-Methylnaphthalene	2440		180	28
95-48-7	2-Methylphenol	2080		180	29
88-74-4	2-Nitroaniline	2030		350	31
88-75-5	2-Nitrophenol	2330		180	21
91-94-1	3,3'-Dichlorobenzidine	1700		350	53
99-09-2	3-Nitroaniline	1510		350	26
534-52-1	4,6-Dinitro-2-methylphenol	5020		350	40
101-55-3	4-Bromophenyl phenyl ether	2660		180	31
59-50-7	4-Chloro-3-methylphenol	2120		180	37
106-47-8	4-Chloroaniline	1260		180	26
7005-72-3	4-Chlorophenyl phenyl ether	2530		180	38
106-44-5	4-Methylphenol	2200		350	32
100-01-6	4-Nitroaniline	2270		350	27
100-02-7	4-Nitrophenol	4820		350	49
83-32-9	Acenaphthene	2390		180	34
208-96-8	Acenaphthylene	2330		180	35
98-86-2	Acetophenone	2030		180	32
120-12-7	Anthracene	2400		180	33
1912-24-9	Atrazine	1880		180	61
100-52-7	Benzaldehyde	1330		180	140
56-55-3	Benzo[a]anthracene	2650		180	25
50-32-8	Benzo[a]pyrene	2490		180	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft MS | Lab Sample ID: 480-232238-5 MS

Matrix: Solid | Lab File ID: X000000365324.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 12:50

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	2470		180	24
191-24-2	Benzo[g,h,i]perylene	2710		180	32
207-08-9	Benzo[k]fluoranthene	2540		180	41
92-52-4	Biphenyl	2410		180	34
108-60-1	bis (2-chloroisopropyl) ether	2050		180	37
111-91-1	Bis(2-chloroethoxy)methane	2230		180	35
111-44-4	Bis(2-chloroethyl)ether	2030		180	34
117-81-7	Bis(2-ethylhexyl) phthalate	2670		180	39
85-68-7	Butyl benzyl phthalate	2620		180	33
105-60-2	Caprolactam	1580		180	42
86-74-8	Carbazole	2660		180	36
218-01-9	Chrysene	2670		180	44
53-70-3	Dibenz(a,h)anthracene	2720		180	37
132-64-9	Dibenzofuran	2370		180	32
84-66-2	Diethyl phthalate	2320		180	32
131-11-3	Dimethyl phthalate	2390		180	35
84-74-2	Di-n-butyl phthalate	2450		180	41
117-84-0	Di-n-octyl phthalate	2710		180	34
206-44-0	Fluoranthene	2490		180	33
86-73-7	Fluorene	2340		180	33
118-74-1	Hexachlorobenzene	2540		180	35
87-68-3	Hexachlorobutadiene	2330		180	27
77-47-4	Hexachlorocyclopentadiene	2220		350	79
67-72-1	Hexachloroethane	2210		180	33
193-39-5	Indeno[1,2,3-cd]pyrene	2510		180	27
78-59-1	Isophorone	2160		180	37
91-20-3	Naphthalene	2260		180	30
98-95-3	Nitrobenzene	2200		180	30
621-64-7	N-Nitrosodi-n-propylamine	2150		180	41
86-30-6	N-Nitrosodiphenylamine	2440		180	30
87-86-5	Pentachlorophenol	4140		350	58

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft MS | Lab Sample ID: 480-232238-5 MS

Matrix: Solid | Lab File ID: X000000365324.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.13(g) | Date Analyzed: 09/04/2025 12:50

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	2620		180	34
108-95-2	Phenol	2010		180	33
129-00-0	Pyrene	2830		180	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		10-140
321-60-8	2-Fluorobiphenyl	90		29-120
367-12-4	2-Fluorophenol	83		18-120
4165-60-0	Nitrobenzene-d5	75		22-120
4165-62-2	Phenol-d5	80		23-120
1718-51-0	p-Terphenyl-d14	94		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365324.d
Lims ID: 480-232238-A-5-A MS
Client ID:
Sample Type: MS
Inject. Date: 04-Sep-2025 12:50:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-007
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:51:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	96	221976	40.0	40.0	
* 2 Naphthalene-d8	136	7.145	7.145	0.000	98	758706	40.0	40.0	
* 3 Acenaphthene-d10	164	9.207	9.201	0.006	94	452781	40.0	40.0	
* 4 Phenanthrene-d10	188	10.831	10.831	0.000	98	851709	40.0	40.0	
* 5 Chrysene-d12	240	13.224	13.224	0.000	98	813901	40.0	40.0	
* 6 Perylene-d12	264	14.378	14.378	0.000	99	977682	40.0	40.0	
$ 7 2-Fluorophenol	112	3.886	3.886	0.000	93	266721	40.0	33.1	
$ 8 Phenol-d5	99	5.195	5.195	0.000	88	343138	40.0	32.0	
$ 9 Nitrobenzene-d5	82	6.285	6.285	0.000	88	348684	40.0	30.1	
$ 10 2-Fluorobiphenyl	172	8.432	8.432	0.000	96	602295	40.0	35.8	
$ 11 2,4,6-Tribromophenol	330	10.115	10.110	0.005	93	129404	40.0	39.3	
$ 12 p-Terphenyl-d14	244	12.327	12.327	0.000	97	800045	40.0	37.7	
27 Benzaldehyde	77	5.040	5.035	0.006	94	223073	40.0	18.7	
28 Phenol	94	5.211	5.211	0.000	96	346742	40.0	28.1	
31 Bis(2-chloroethyl)ether	93	5.280	5.280	0.000	97	248199	40.0	28.4	
32 2-Chlorophenol	128	5.344	5.344	0.000	93	224101	40.0	31.6	
42 2,2'-oxybis[1-chloropropane]	45	5.964	5.964	0.000	50	188848	40.0	28.7	
40 2-Methylphenol	108	5.964	5.964	0.000	75	242553	40.0	29.1	
45 Acetophenone	105	6.108	6.108	0.000	91	387303	40.0	28.4	
47 N-Nitrosodi-n-propylamine	70	6.124	6.124	0.000	77	231537	40.0	30.1	
46 4-Methylphenol	108	6.162	6.162	0.000	90	259994	40.0	30.9	
50 Hexachloroethane	117	6.220	6.220	0.000	83	130407	40.0	30.9	
52 Nitrobenzene	77	6.311	6.311	0.000	93	346504	40.0	30.8	
56 Isophorone	82	6.605	6.605	0.000	97	612286	40.0	30.2	
58 2-Nitrophenol	139	6.701	6.701	0.005	64	116072	40.0	32.6	
59 2,4-Dimethylphenol	107	6.792	6.792	0.000	81	289157	40.0	27.9	
62 Bis(2-chloroethoxy)methane	93	6.888	6.883	0.000	98	319632	40.0	31.2	
65 2,4-Dichlorophenol	162	7.006	7.006	0.006	89	210898	40.0	35.5	
69 Naphthalene	128	7.171	7.171	0.000	97	644677	40.0	31.7	
71 4-Chloroaniline	127	7.257	7.257	0.000	93	148454	40.0	17.7	
73 Hexachlorobutadiene	225	7.342	7.348	0.000	95	194881	40.0	32.7	
78 Caprolactam	113	7.679	7.706	-0.021	84	79660	40.0	22.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107	7.871	7.871	0.000	87	266629	40.0	29.7	
82 2-Methylnaphthalene	142	7.994	7.989	0.005	95	434238	40.0	34.1	
84 Hexachlorocyclopentadiene	237	8.192	8.196	0.000	94	219665	40.0	31.0	
86 2,4,6-Trichlorophenol	196	8.341	8.341	0.000	95	167425	40.0	33.3	
87 2,4,5-Trichlorophenol	196	8.395	8.400	0.000	96	196424	40.0	36.1	
90 1,1'-Biphenyl	154	8.544	8.549	0.000	97	597960	40.0	33.7	
91 2-Chloronaphthalene	162	8.560	8.560	0.005	95	452422	40.0	33.8	
93 2-Nitroaniline	65	8.689	8.689	0.000	88	172693	40.0	28.4	
96 Dimethyl phthalate	163	8.918	8.918	0.000	96	580551	40.0	33.5	
99 2,6-Dinitrotoluene	165	8.977	8.982	0.000	82	120687	40.0	35.7	
100 Acenaphthylene	152	9.036	9.036	0.000	97	764388	40.0	32.6	
101 3-Nitroaniline	138	9.169	9.169	0.000	85	78456	40.0	21.2	
102 Acenaphthene	153	9.244	9.239	0.005	95	487907	40.0	33.5	
103 2,4-Dinitrophenol	184	9.292	9.298	0.000	87	95311	80.0	43.5	
104 4-Nitrophenol	109	9.420	9.420	0.000	84	288996	80.0	67.6	
107 Dibenzofuran	168	9.447	9.442	0.005	92	708645	40.0	33.2	
106 2,4-Dinitrotoluene	165	9.447	9.453	0.000	68	179864	40.0	36.6	
112 Diethyl phthalate	149	9.746	9.746	0.000	96	610323	40.0	32.5	
115 Fluorene	166	9.843	9.837	0.005	96	561729	40.0	32.8	
116 4-Chlorophenyl phenyl ether	204	9.853	9.853	0.000	87	323852	40.0	35.4	
118 4-Nitroaniline	138	9.880	9.886	0.000	84	116922	40.0	31.7	
119 4,6-Dinitro-2-methylphenol	198	9.917	9.922	0.000	92	188321	80.0	70.3	
120 N-Nitrosodiphenylamine	169	9.992	9.987	0.005	72	402791	40.0	34.2	
130 4-Bromophenyl phenyl ether	248	10.382	10.387	0.000	85	201213	40.0	37.3	
131 Hexachlorobenzene	284	10.446	10.451	0.000	96	235607	40.0	35.6	
133 Atrazine	200	10.580	10.586	0.000	91	201825	40.0	26.3	
134 Pentachlorophenol	266	10.660	10.660	0.000	90	233925	80.0	58.0	
141 Phenanthrene	178	10.858	10.852	0.006	98	835059	40.0	36.7	
142 Anthracene	178	10.906	10.906	0.000	98	816663	40.0	33.6	
143 Carbazole	167	11.077	11.077	0.000	98	799840	40.0	37.3	
145 Di-n-butyl phthalate	149	11.434	11.429	0.005	100	997998	40.0	34.4	
152 Fluoranthene	202	11.979	11.979	0.000	97	1005249	40.0	34.9	
155 Pyrene	202	12.182	12.182	0.000	98	1066875	40.0	39.6	
162 Butyl benzyl phthalate	149	12.749	12.749	0.000	95	447563	40.0	36.7	
166 3,3'-Dichlorobenzidine	252	13.197	13.197	0.000	97	238842	40.0	23.8	
167 Benzo[a]anthracene	228	13.213	13.214	0.000	98	979652	40.0	37.2	
172 Bis(2-ethylhexyl) phthalate	149	13.240	13.235	0.005	96	663782	40.0	37.3	
169 Chrysene	228	13.246	13.245	0.001	95	932561	40.0	37.4	
168 Di-n-octyl phthalate	149	13.758	13.758	0.000	97	1088916	40.0	37.9	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	97	1074470	40.0	34.7	
175 Benzo[k]fluoranthene	252	14.106	14.095	0.000	96	1031624	40.0	35.6	
177 Benzo[a]pyrene	252	14.335	14.335	0.000	97	964360	40.0	34.8	
180 Indeno[1,2,3-cd]pyrene	276	15.270	15.270	0.000	96	1249830	40.0	35.2	
181 Dibenz(a,h)anthracene	278	15.276	15.276	0.000	95	1051224	40.0	38.1	
182 Benzo[g,h,i]perylene	276	15.521	15.521	0.000	97	999585	40.0	37.9	

QC Flag Legend

Processing Flags

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

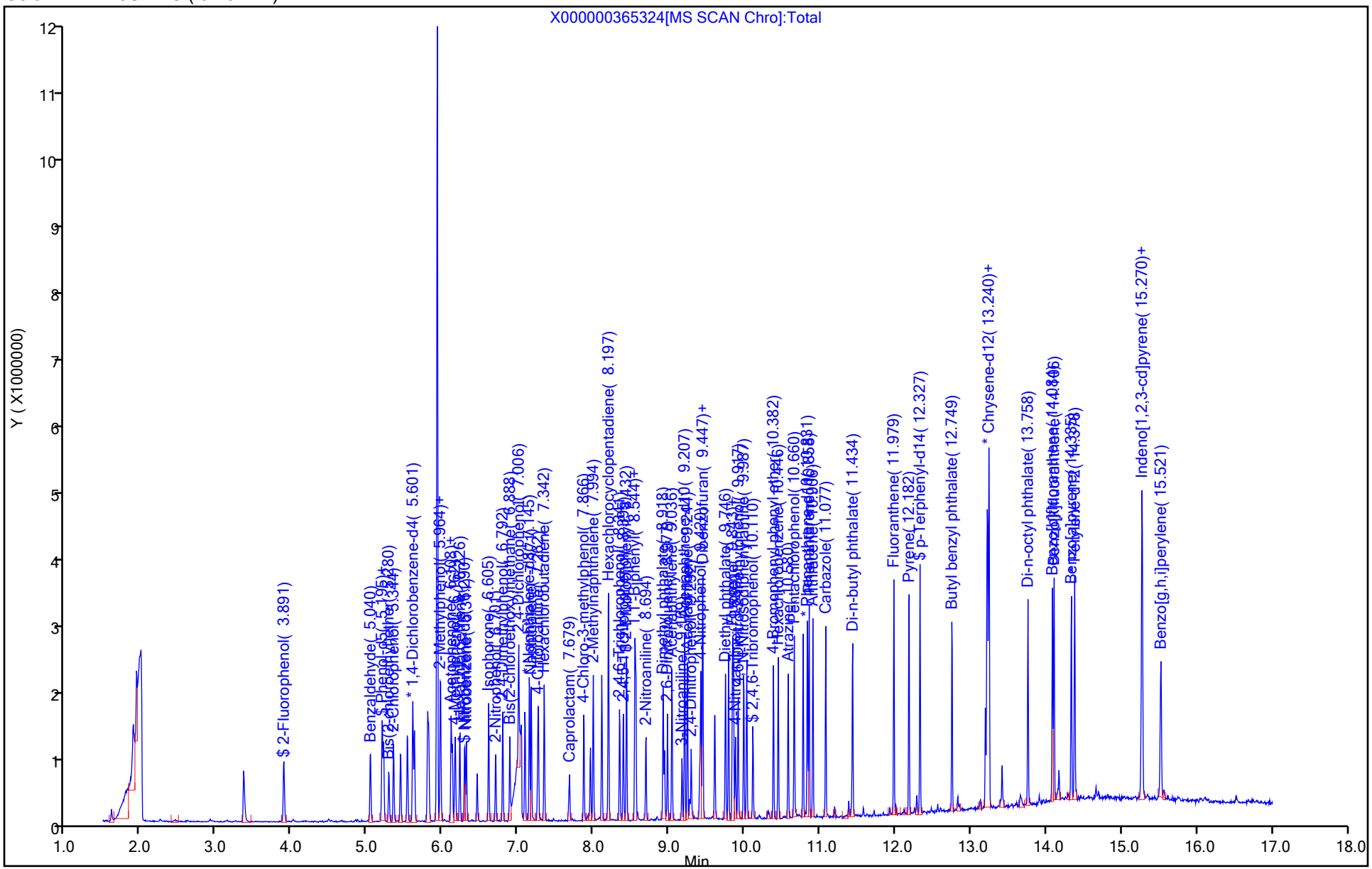
Report Date: 05-Sep-2025 08:58:33 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365324.d

Injection Date:	04-Sep-2025 12:50:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-5-A MS			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365324.d
Lims ID: 480-232238-A-5-A MS
Client ID:
Sample Type: MS
Inject. Date: 04-Sep-2025 12:50:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-007
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:51:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	33.1	82.63
$ 8 Phenol-d5	40.0	32.0	79.99
$ 9 Nitrobenzene-d5	40.0	30.1	75.17
$ 10 2-Fluorobiphenyl	40.0	35.8	89.62
$ 11 2,4,6-Tribromophenol	40.0	39.3	98.17
$ 12 p-Terphenyl-d14	40.0	37.7	94.18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft MSD | Lab Sample ID: 480-232238-5 MSD

Matrix: Solid | Lab File ID: X000000365325.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.05(g) | Date Analyzed: 09/04/2025 13:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	2390		180	37
88-06-2	2,4,6-Trichlorophenol	2340		180	28
120-83-2	2,4-Dichlorophenol	2510		180	36
105-67-9	2,4-Dimethylphenol	1990		180	38
51-28-5	2,4-Dinitrophenol	3110		1800	35
121-14-2	2,4-Dinitrotoluene	2370		180	25
606-20-2	2,6-Dinitrotoluene	2410		180	26
91-58-7	2-Chloronaphthalene	2250		180	34
95-57-8	2-Chlorophenol	2200		180	29
91-57-6	2-Methylnaphthalene	2390		180	29
95-48-7	2-Methylphenol	2000		180	29
88-74-4	2-Nitroaniline	2050		360	31
88-75-5	2-Nitrophenol	2440		180	21
91-94-1	3,3'-Dichlorobenzidine	1600		360	53
99-09-2	3-Nitroaniline	1570		360	26
534-52-1	4,6-Dinitro-2-methylphenol	4740		360	40
101-55-3	4-Bromophenyl phenyl ether	2500		180	31
59-50-7	4-Chloro-3-methylphenol	2190		180	37
106-47-8	4-Chloroaniline	1160		180	26
7005-72-3	4-Chlorophenyl phenyl ether	2350		180	38
106-44-5	4-Methylphenol	2060		360	33
100-01-6	4-Nitroaniline	1830		360	27
100-02-7	4-Nitrophenol	4210		360	50
83-32-9	Acenaphthene	2260		180	34
208-96-8	Acenaphthylene	2150		180	35
98-86-2	Acetophenone	2020		180	32
120-12-7	Anthracene	2530		180	34
1912-24-9	Atrazine	1740		180	62
100-52-7	Benzaldehyde	1210		180	140
56-55-3	Benzo[a]anthracene	2670		180	25
50-32-8	Benzo[a]pyrene	2550		180	31

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft MSD | Lab Sample ID: 480-232238-5 MSD

Matrix: Solid | Lab File ID: X000000365325.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.05(g) | Date Analyzed: 09/04/2025 13:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	2470		180	24
191-24-2	Benzo[g,h,i]perylene	2830		180	32
207-08-9	Benzo[k]fluoranthene	2770		180	41
92-52-4	Biphenyl	2200		180	34
108-60-1	bis (2-chloroisopropyl) ether	1860		180	37
111-91-1	Bis(2-chloroethoxy)methane	2200		180	35
111-44-4	Bis(2-chloroethyl)ether	1930		180	34
117-81-7	Bis(2-ethylhexyl) phthalate	2480		180	40
85-68-7	Butyl benzyl phthalate	2460		180	34
105-60-2	Caprolactam	1490		180	42
86-74-8	Carbazole	2560		180	36
218-01-9	Chrysene	2810		180	44
53-70-3	Dibenz(a,h)anthracene	2660		180	37
132-64-9	Dibenzofuran	2300		180	32
84-66-2	Diethyl phthalate	2220		180	33
131-11-3	Dimethyl phthalate	2160		180	35
84-74-2	Di-n-butyl phthalate	2370		180	41
117-84-0	Di-n-octyl phthalate	2570		180	35
206-44-0	Fluoranthene	3250		180	33
86-73-7	Fluorene	2340		180	33
118-74-1	Hexachlorobenzene	2340		180	35
87-68-3	Hexachlorobutadiene	2190		180	27
77-47-4	Hexachlorocyclopentadiene	2000		360	80
67-72-1	Hexachloroethane	2010		180	33
193-39-5	Indeno[1,2,3-cd]pyrene	2630		180	27
78-59-1	Isophorone	2030		180	37
91-20-3	Naphthalene	2350		180	30
98-95-3	Nitrobenzene	2230		180	31
621-64-7	N-Nitrosodi-n-propylamine	2080		180	41
86-30-6	N-Nitrosodiphenylamine	2570		180	30
87-86-5	Pentachlorophenol	3950		360	58

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-232238-1

SDG No.:

Client Sample ID: SB-04-CONF-D-1Ft MSD | Lab Sample ID: 480-232238-5 MSD

Matrix: Solid | Lab File ID: X000000365325.d

Analysis Method: 8270D | Date Collected: 09/02/2025 08:09

Extract. Method: 3546 | Date Extracted: 09/03/2025 13:20

Sample wt/vol: 15.05(g) | Date Analyzed: 09/04/2025 13:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: 7.4 % Solids: 92.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 755980 | Units: ug/Kg

Preparation Batch No.: 755889 | Instrument ID: HP5973X

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	3330		180	34
108-95-2	Phenol	1940		180	33
129-00-0	Pyrene	3050		180	35

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	93		10-140
321-60-8	2-Fluorobiphenyl	86		29-120
367-12-4	2-Fluorophenol	73		18-120
4165-60-0	Nitrobenzene-d5	76		22-120
4165-62-2	Phenol-d5	75		23-120
1718-51-0	p-Terphenyl-d14	89		28-124

Eurofins Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365325.d
Lims ID: 480-232238-A-5-B MSD
Client ID:
Sample Type: MSD
Inject. Date: 04-Sep-2025 13:14:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-008
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:52:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.601	5.601	0.000	96	232564	40.0	40.0	
*	2 Naphthalene-d8	136	7.150	7.145	0.005	98	754787	40.0	40.0	
*	3 Acenaphthene-d10	164	9.207	9.201	0.006	93	483066	40.0	40.0	
*	4 Phenanthrene-d10	188	10.836	10.831	0.005	98	855936	40.0	40.0	
*	5 Chrysene-d12	240	13.224	13.224	0.000	98	860776	40.0	40.0	
*	6 Perylene-d12	264	14.378	14.378	0.000	99	1022558	40.0	40.0	
$	7 2-Fluorophenol	112	3.891	3.886	0.005	90	246227	40.0	29.2	
$	8 Phenol-d5	99	5.200	5.195	0.005	88	338772	40.0	30.2	
$	9 Nitrobenzene-d5	82	6.290	6.285	0.005	89	349935	40.0	30.3	
$	10 2-Fluorobiphenyl	172	8.437	8.432	0.005	98	617528	40.0	34.4	
$	11 2,4,6-Tribromophenol	330	10.115	10.110	0.005	90	122961	40.0	37.2	
$	12 p-Terphenyl-d14	244	12.327	12.327	0.000	97	798809	40.0	35.6	
	27 Benzaldehyde	77	5.040	5.035	0.006	97	211717	40.0	16.9	
	28 Phenol	94	5.216	5.211	0.005	95	348466	40.0	27.0	
	31 Bis(2-chloroethyl)ether	93	5.286	5.280	0.006	97	246204	40.0	26.9	
	32 2-Chlorophenol	128	5.344	5.344	0.000	94	227319	40.0	30.6	
	42 2,2'-oxybis[1-chloropropane]	45	5.964	5.964	0.000	51	179094	40.0	26.0	
	40 2-Methylphenol	108	5.969	5.964	0.005	77	242514	40.0	27.8	
	45 Acetophenone	105	6.108	6.108	0.000	93	401864	40.0	28.1	
	47 N-Nitrosodi-n-propylamine	70	6.124	6.124	0.000	79	233384	40.0	29.0	
	46 4-Methylphenol	108	6.162	6.162	0.000	90	253927	40.0	28.8	
	50 Hexachloroethane	117	6.226	6.220	0.006	82	123439	40.0	28.0	
	52 Nitrobenzene	77	6.311	6.311	0.000	92	348527	40.0	31.1	
	56 Isophorone	82	6.605	6.605	0.000	97	570607	40.0	28.3	
	58 2-Nitrophenol	139	6.701	6.701	0.005	75	120343	40.0	34.0	
	59 2,4-Dimethylphenol	107	6.792	6.792	0.000	80	286069	40.0	27.8	
	62 Bis(2-chloroethoxy)methane	93	6.888	6.883	0.000	98	312676	40.0	30.7	
	65 2,4-Dichlorophenol	162	7.006	7.006	0.006	89	206700	40.0	35.0	
	69 Naphthalene	128	7.171	7.171	0.000	97	663678	40.0	32.8	
	71 4-Chloroaniline	127	7.257	7.257	0.000	94	135010	40.0	16.1	
	73 Hexachlorobutadiene	225	7.342	7.348	0.000	95	180838	40.0	30.5	
	78 Caprolactam	113	7.679	7.706	-0.021	89	74731	40.0	20.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
79 4-Chloro-3-methylphenol	107	7.866	7.871	-0.005	86	272374	40.0	30.5	
82 2-Methylnaphthalene	142	7.994	7.989	0.005	95	422038	40.0	33.3	
84 Hexachlorocyclopentadiene	237	8.192	8.196	0.000	94	210248	40.0	27.9	
86 2,4,6-Trichlorophenol	196	8.347	8.341	0.006	93	174710	40.0	32.6	
87 2,4,5-Trichlorophenol	196	8.395	8.400	0.000	93	193081	40.0	33.2	
90 1,1'-Biphenyl	154	8.544	8.549	0.000	98	579048	40.0	30.6	
91 2-Chloronaphthalene	162	8.560	8.560	0.005	94	447936	40.0	31.4	
93 2-Nitroaniline	65	8.694	8.689	0.005	88	184859	40.0	28.5	
96 Dimethyl phthalate	163	8.918	8.918	0.000	97	557719	40.0	30.1	
99 2,6-Dinitrotoluene	165	8.977	8.982	0.000	82	121132	40.0	33.6	
100 Acenaphthylene	152	9.036	9.036	0.000	96	750097	40.0	30.0	
101 3-Nitroaniline	138	9.169	9.169	0.000	88	86438	40.0	21.9	
102 Acenaphthene	153	9.244	9.239	0.005	95	489575	40.0	31.5	
103 2,4-Dinitrophenol	184	9.292	9.298	0.000	90	101182	80.0	43.3	
104 4-Nitrophenol	109	9.420	9.420	0.000	84	266217	80.0	58.6	
107 Dibenzofuran	168	9.447	9.442	0.005	92	729249	40.0	32.0	
106 2,4-Dinitrotoluene	165	9.447	9.453	0.000	68	172740	40.0	33.0	
112 Diethyl phthalate	149	9.746	9.746	0.000	97	621369	40.0	31.0	
115 Fluorene	166	9.842	9.837	0.005	97	594793	40.0	32.6	
116 4-Chlorophenyl phenyl ether	204	9.853	9.853	0.000	88	319290	40.0	32.7	
118 4-Nitroaniline	138	9.880	9.886	0.000	80	100279	40.0	25.5	
119 4,6-Dinitro-2-methylphenol	198	9.917	9.922	0.000	93	177448	80.0	66.1	
120 N-Nitrosodiphenylamine	169	9.992	9.987	0.005	75	423991	40.0	35.8	
130 4-Bromophenyl phenyl ether	248	10.382	10.387	0.000	87	189206	40.0	34.9	
131 Hexachlorobenzene	284	10.446	10.451	0.000	96	216677	40.0	32.6	
133 Atrazine	200	10.580	10.586	0.000	90	198937	40.0	24.2	
134 Pentachlorophenol	266	10.660	10.660	0.000	87	222579	80.0	55.0	
141 Phenanthrene	178	10.857	10.852	0.005	98	1062359	40.0	46.4	
142 Anthracene	178	10.906	10.906	0.000	99	860138	40.0	35.2	
143 Carbazole	167	11.076	11.077	-0.001	99	768939	40.0	35.7	
145 Di-n-butyl phthalate	149	11.434	11.429	0.005	100	963310	40.0	33.0	
152 Fluoranthene	202	11.985	11.979	0.006	98	1308507	40.0	45.2	
155 Pyrene	202	12.182	12.182	0.000	97	1209210	40.0	42.5	
162 Butyl benzyl phthalate	149	12.754	12.749	0.005	95	442872	40.0	34.3	
166 3,3'-Dichlorobenzidine	252	13.197	13.197	0.000	96	235775	40.0	22.3	
167 Benzo[a]anthracene	228	13.213	13.214	0.000	97	1036745	40.0	37.2	
172 Bis(2-ethylhexyl) phthalate	149	13.240	13.235	0.005	97	649596	40.0	34.6	
169 Chrysene	228	13.245	13.245	0.000	96	1033775	40.0	39.2	
168 Di-n-octyl phthalate	149	13.758	13.758	0.000	97	1085676	40.0	35.7	
174 Benzo[b]fluoranthene	252	14.084	14.084	0.000	98	1116122	40.0	34.4	
175 Benzo[k]fluoranthene	252	14.106	14.095	0.000	97	1169105	40.0	38.6	
177 Benzo[a]pyrene	252	14.335	14.335	0.000	97	1029942	40.0	35.6	
180 Indeno[1,2,3-cd]pyrene	276	15.275	15.270	0.005	96	1360383	40.0	36.6	
181 Dibenz(a,h)anthracene	278	15.275	15.276	-0.001	95	1068523	40.0	37.1	
182 Benzo[g,h,i]perylene	276	15.521	15.521	0.000	96	1085778	40.0	39.4	

QC Flag Legend

Processing Flags

Reagents:

MB_INTSTD_STK_00111 Amount Added: 20.00 Units: uL Run Reagent

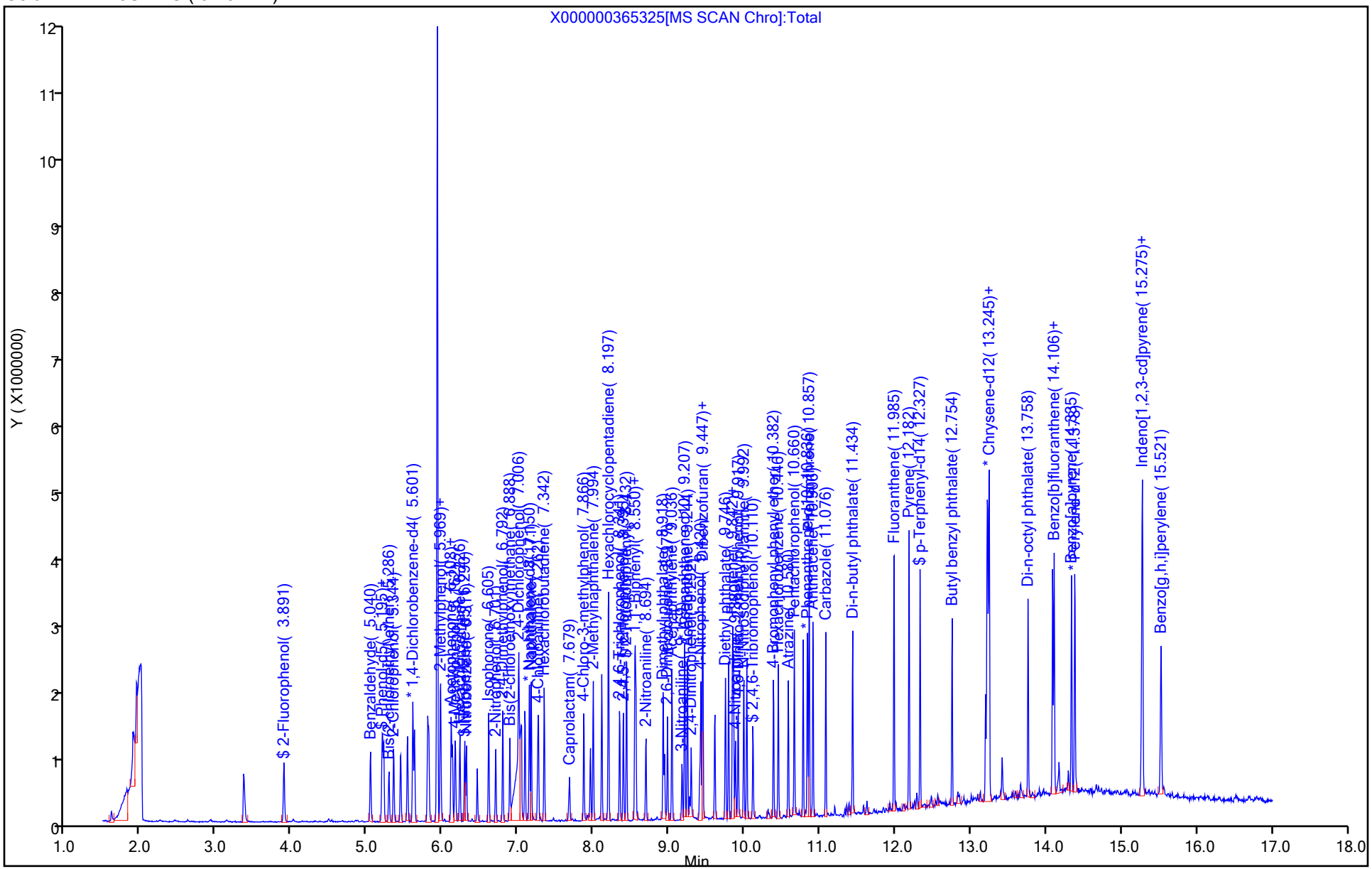
Report Date: 05-Sep-2025 08:58:36 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365325.d

Injection Date:	04-Sep-2025 13:14:30	Instrument ID:	HP5973X	Operator ID:	AF
Lims ID:	480-232238-A-5-B MSD			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	X-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Eurofins Buffalo
Recovery Report

Data File: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X000000365325.d
Lims ID: 480-232238-A-5-B MSD
Client ID:
Sample Type: MSD
Inject. Date: 04-Sep-2025 13:14:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 480-0125143-008
Operator ID: AF Instrument ID: HP5973X

Method: \\chromfs\Buffalo\ChromData\HP5973X\20250904-125143.b\X-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 05-Sep-2025 08:58:12 Calib Date: 25-Aug-2025 18:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Buffalo\ChromData\HP5973X\20250825-125015.b\X000000365142.d

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1602

First Level Reviewer: PY8T Date: 05-Sep-2025 08:52:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	40.0	29.2	72.91
$ 8 Phenol-d5	40.0	30.2	75.38
$ 9 Nitrobenzene-d5	40.0	30.3	75.83
$ 10 2-Fluorobiphenyl	40.0	34.4	86.11
$ 11 2,4,6-Tribromophenol	40.0	37.2	92.93
$ 12 p-Terphenyl-d14	40.0	35.6	88.91

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Instrument ID: HP5973X Start Date: 07/30/2025 09:31

Analysis Batch Number: 752954 End Date: 07/30/2025 16:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-752954/2		07/30/2025 09:31	1	X000000364735.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/3		07/30/2025 09:55	1	X000000364736.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/4		07/30/2025 10:20	1	X000000364737.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/5		07/30/2025 10:45	1	X000000364738.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/6		07/30/2025 11:09	1	X000000364739.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/7		07/30/2025 11:34	1	X000000364740.d	RXI-5Sil MS 0.25(mm)
ICIS 480-752954/8		07/30/2025 11:59	1	X000000364741.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/9		07/30/2025 12:23	1	X000000364742.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/10		07/30/2025 12:48	1	X000000364743.d	RXI-5Sil MS 0.25(mm)
ICV 480-752954/11		07/30/2025 13:13	1	X000000364744.d	RXI-5Sil MS 0.25(mm)
IC 480-752954/12		07/30/2025 13:37	1		RXI-5Sil MS 0.25(mm)
IC 480-752954/13		07/30/2025 14:03	1		RXI-5Sil MS 0.25(mm)
IC 480-752954/14		07/30/2025 14:28	1		RXI-5Sil MS 0.25(mm)
IC 480-752954/15		07/30/2025 14:53	1		RXI-5Sil MS 0.25(mm)
IC 480-752954/16		07/30/2025 15:18	1		RXI-5Sil MS 0.25(mm)
IC 480-752954/17		07/30/2025 15:43	1		RXI-5Sil MS 0.25(mm)
IC 480-752954/18		07/30/2025 16:08	1		RXI-5Sil MS 0.25(mm)
ICV 480-752954/19		07/30/2025 16:34	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Instrument ID: HP5973X Start Date: 09/04/2025 10:46

Analysis Batch Number: 755980 End Date: 09/04/2025 15:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-755980/2		09/04/2025 10:46	1	X000000365319.d	RXI-5Sil MS 0.25(mm)
CCVIS 480-755980/3		09/04/2025 11:11	1	X000000365320.d	RXI-5Sil MS 0.25(mm)
MB 480-755889/1-A		09/04/2025 12:00	1	X000000365322.d	RXI-5Sil MS 0.25(mm)
LCS 480-755889/2-A		09/04/2025 12:25	1	X000000365323.d	RXI-5Sil MS 0.25(mm)
480-232238-5 MS	SB-04-CONF-D-1Ft MS	09/04/2025 12:50	1	X000000365324.d	RXI-5Sil MS 0.25(mm)
480-232238-5 MSD	SB-04-CONF-D-1Ft MSD	09/04/2025 13:14	1	X000000365325.d	RXI-5Sil MS 0.25(mm)
480-232238-5	SB-04-CONF-D-1Ft	09/04/2025 13:39	1	X000000365326.d	RXI-5Sil MS 0.25(mm)
480-232238-1	SB-04-CONF-N-1Ft	09/04/2025 14:04	5	X000000365327.d	RXI-5Sil MS 0.25(mm)
480-232238-2	SB-04-CONF-E-1Ft	09/04/2025 14:29	1	X000000365328.d	RXI-5Sil MS 0.25(mm)
480-232238-3	SB-04-CONF-S-1Ft	09/04/2025 14:54	5	X000000365329.d	RXI-5Sil MS 0.25(mm)
480-232238-4	SB-04-CONF-W-1Ft	09/04/2025 15:19	1	X000000365330.d	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Batch Number: 752954 Batch Start Date: 07/30/25 09:31 Batch Analyst: Marshall, Joseph M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	CalcMsg	MB_DFTPP_WRK 00449	MB_L1SS_WRK 00064	MB_LIST1_WRK 01073	MB_LIST1_WRK 01074
DFTPP 480-752954/2		8270D			1 mL	Perform Calculation left blank	1 mL			
IC 480-752954/3		8270D			1 mL	Perform Calculation left blank			1 mL	
IC 480-752954/4		8270D			1 mL	Perform Calculation left blank				1 mL
IC 480-752954/5		8270D			1 mL	Perform Calculation left blank				
IC 480-752954/6		8270D			1 mL	Perform Calculation left blank				
IC 480-752954/7		8270D			1 mL	Perform Calculation left blank				
ICIS 480-752954/8		8270D			1 mL	Perform Calculation left blank				
IC 480-752954/9		8270D			1 mL	Perform Calculation left blank				
IC 480-752954/10		8270D			1 mL	Perform Calculation left blank				
ICV 480-752954/11		8270D			1 mL	Perform Calculation left blank		1 mL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MB_LIST1_WRK 01075	MB_LIST1_WRK 01076	MB_LIST1_WRK 01077	MB_LIST1_WRK 01078	MB_LIST1_WRK 01079	MB_LIST1_WRK 01080
DFTPP 480-752954/2		8270D								
IC 480-752954/3		8270D								
IC 480-752954/4		8270D								
IC 480-752954/5		8270D			1 mL					
IC 480-752954/6		8270D				1 mL				
IC 480-752954/7		8270D					1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Batch Number: 752954 Batch Start Date: 07/30/25 09:31 Batch Analyst: Marshall, Joseph M

Batch Method: 8270D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MB_LIST1_WRK 01075	MB_LIST1_WRK 01076	MB_LIST1_WRK 01077	MB_LIST1_WRK 01078	MB_LIST1_WRK 01079	MB_LIST1_WRK 01080
ICIS 480-752954/8		8270D						1 mL		
IC 480-752954/9		8270D							1 mL	
IC 480-752954/10		8270D								1 mL
ICV 480-752954/11		8270D								

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Batch Number: 755889 Batch Start Date: 09/03/25 13:20 Batch Analyst: Capelli, Lane S

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	O_8270/625LCS 00261	O_8270surr 00135		
MB 480-755889/1		3546, 8270D			15 g	1 mL		1 mL		
LCS 480-755889/2		3546, 8270D			15 g	1 mL	1 mL	1 mL		
480-232238-A-5 MS	SB-04-CONF-D-1Ft	3546, 8270D		T	15.13 g	1 mL	1 mL	1 mL		
480-232238-A-5 MSD	SB-04-CONF-D-1Ft	3546, 8270D		T	15.05 g	1 mL	1 mL	1 mL		
480-232238-A-5	SB-04-CONF-D-1Ft	3546, 8270D	Solid	T	15.12 g	1 mL		1 mL		
480-232238-A-1	SB-04-CONF-N-1Ft	3546, 8270D	Solid	T	15.16 g	1 mL		1 mL		
480-232238-A-2	SB-04-CONF-E-1Ft	3546, 8270D	Solid	T	15.22 g	1 mL		1 mL		
480-232238-A-3	SB-04-CONF-S-1Ft	3546, 8270D	Solid	T	15.15 g	1 mL		1 mL		
480-232238-A-4	SB-04-CONF-W-1Ft	3546, 8270D	Solid	T	15.13 g	1 mL		1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Batch Number: 755889 Batch Start Date: 09/03/25 13:20 Batch Analyst: Capelli, Lane S

Batch Method: 3546 Batch End Date:

Batch Notes	
Method/Fraction	3546/8270D
Was daily balance calibration done?	Yes
Balance ID	Balance-5
Balance is Level? (Y/N)	yes
Microwave Oven ID	Microwave #1
Microwave Program ID	3546: 8-24V
Analyst ID - Extraction	LC
Blank Matrix ID	8331597
Analyst ID - Spike Analyst	LC
Analyst ID - Spike Witness Analyst	LC
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	8409025/8386871
Na2SO4 ID	8406994
Filter ID	16887158
Analyst ID - Concentration	LC
Exchange Solvent ID	8409025
Vial Lot Number	22076066
Batch Comment	Microwave start time: 15:39

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-232238-1

SDG No.:

Project: 412 E. Main Street Fredonia

Client Sample ID	Lab Sample ID
SB-04-CONF-N-1Ft	480-232238-1
SB-04-CONF-E-1Ft	480-232238-2
SB-04-CONF-S-1Ft	480-232238-3
SB-04-CONF-W-1Ft	480-232238-4
SB-04-CONF-D-1Ft	480-232238-5

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-232238-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job Number: 480-232238-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/03/2025 14:08 End Date: 09/03/2025 14:16

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
480-232238-1	1	T	14:08	X	X																		
480-232238-2	1	T	14:08	X	X																		
480-232238-3	1	T	14:08	X	X																		
480-232238-4	1	T	14:08	X	X																		
480-232238-5	1	T	14:08	X	X																		
ZZZZZZ (Client)			14:08																				
ZZZZZZ (Client)			14:08																				
ZZZZZZ (QC)			14:08																				
ZZZZZZ (QC)			14:08																				
ZZZZZZ (Client)			14:08																				
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ZZZZZZ (Client)			14:16																				
ZZZZZZ (Client)			14:16																				
ZZZZZZ (Client)			14:16																				
ZZZZZZ (Client)			14:16																				

Prep Types

T = Total/NA

General Chemistry Raw Data Report

Job ID: 480-232238-1

Batch: 755905 **Analyst Initials: MAN**

Method: Moisture **Instrument: No Equipment Used for this Test**

Lab Sample ID: 480-232238-A-1

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	13.1172839506173	%
Percent Solids	None	1	86.8827160493827	%

Lab Sample ID: 480-232238-A-2

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	6.01915184678521	%
Percent Solids	None	1	93.9808481532148	%

Lab Sample ID: 480-232238-A-3

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	11.6883116883117	%
Percent Solids	None	1	88.3116883116883	%

Lab Sample ID: 480-232238-A-4

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	8.95381715362871	%
Percent Solids	None	1	91.0461828463713	%

Lab Sample ID: 480-232238-A-5

Analysis Date: Sep 03, 2025 14:08

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	7.41935483870969	%
Percent Solids	None	1	92.5806451612903	%

755905 9/3/25 MAN

BF-SC-DW-008
Rev. 0
5/9/2013

Cup #	Sample ID	Cup Weight	Cup #	Sample ID	Cup Weight
1-5	232238 1-5	4.25		9/3/25 MAN	
9/3/25 MAN ~~6-24~~ 6-28	232252 1-7 9-24 14-ms 2-ms				
		9/3/25 MAN			

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Buffalo Job No.: 480-232238-1

SDG No.:

Batch Number: 755905 Batch Start Date: 09/03/25 14:08 Batch Analyst: Neary, Mary A

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
480-232238-A-1	SB-04-CONF-N-1Ft	Moisture	Solid	T	1	4.25 g	10.73 g	9.88 g	13.1172839506173 %	86.8827160493827 %
480-232238-A-2	SB-04-CONF-E-1Ft	Moisture	Solid	T	2	4.25 g	11.56 g	11.12 g	6.01915184678521 %	93.9808481532148 %
480-232238-A-3	SB-04-CONF-S-1Ft	Moisture	Solid	T	3	4.25 g	11.95 g	11.05 g	11.6883116883117 %	88.3116883116883 %
480-232238-A-4	SB-04-CONF-W-1Ft	Moisture	Solid	T	4	4.25 g	14.86 g	13.91 g	8.95381715362871 %	91.0461828463713 %
480-232238-A-5	SB-04-CONF-D-1Ft	Moisture	Solid	T	5	4.25 g	16.65 g	15.73 g	7.41935483870969 %	92.5806451612903 %

Batch Notes	
Balance ID	7
Oven ID	GC
Thermometer ID	3243
Date samples were placed in the oven	09/03/2025
Time samples were place in the oven	14:33
Temperature - Uncorrected - Start	110 Degrees C
Oven Temp In	108.5 Degrees C
Date samples were removed from oven	09/04/2025
Time Samples were removed from oven	08:00
Temperature - Uncorrected - End	110.0 Degrees C
Oven Temp Out	108.5 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: BW	Lab PM: Beninati, John	Carrier Tracking No(s):	COC No: 480-207727-42077.1
Client Contact: Mr. Brian Wasilewski	Phone: 716-474-9092	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: C&S Engineers, Inc.	PWSID:			Job #:
Address: 141 Elm Street Suite 100	Due Date Requested:			
City: Buffalo	TAT Requested (days): 3 DAY			
State, Zip: NY, 14203	Compliance Project: Δ Yes Δ No			
Phone: 716-847-1630(Tel)	PO #: K11017003			
Email: bwasilewski@cscos.com	WO #:			
Project Name: 412 E. Main Street Fredonia	Project #: 48029155			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) TCL SVOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
SB-04-CONF-N-1ft	9/2/2025	805	G	Solid			X		
SB-04-CONF-E-1ft		806		Solid			X		
SB-04-CONF-S-1ft		807		Solid			X		
SB-04-CONF-W-1ft		808		Solid			X		
SB-04-CONF-D-1ft		809		Solid			X		

Total Solids

480-232238 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9/2/25 1222	C&S	[signature]	9/2/25 1222	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 18.6 IR-SC NOICE

Ver: 05/06/2024

09/08/2025

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-232238-1

Login Number: 232238
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	18.6 IR#SC no ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	C&S Engineers
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APPENDIX F

IMPORTED MATERIAL DOCUMENTATION

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

Site Name: 412 E Main Street Fredonia

Site Number: V00417

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 400-500

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? yes

Does it contain less than 10%, by weight, material that passes a size 100 sieve? yes

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The sampling of the virgin rock material from a permitted mine / quarry shows that the material contains less than 10 percent passing No. 100 sieve

---

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The sampling of the virgin rock material from a permitted mine / quarry shows that the material contains less than 10 percent passing No. 100 sieve. Therefore, no contaminant characterization sampling is required.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

David M. Gier

Name and address of fill source:

13870 Taylor Hollow Road, Collins, New York, 14034

Location where fill was obtained:

Gernatt's Middle Road borrow pit

Identification of any state or local approvals as a fill source:

NYSDOT Source #2997 NYSDEC Mine ID #-90369 NYSDEC Permit #9043-30-0369

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Source certification letter, lab results

The information provided on this form is accurate and complete.

	10/3/2025
Signature	Date
Brian Wasilewski	
Print Name	
C&S Engineers	
Firm	

1279 N. Main Street • Jamestown, NY 14701 • (716) 664-4400
www.LakeShorePaving.com

SUBMITTAL COVER SHEET

SUBMITTAL #: 001

ARCHITECT:

DATE: 8/20/2025

PROJECT: Northern Chautauqua Hospital

Contractor: Lake Shore Paving, Inc.

Product Name: Truck Wash Stone/ Fabric

Manufacturer Crushed #3&4 Stone/ Terratex GS

Supplier: Gernatt/ JMI Supply

Reference drawing:

Specification Section: 026500

Type of Submittal:

- [ ] Color Selection
- [x] Product Data
- [ ] Samples
- [ ] Shop Drawings
- [ ] Certification
- [ ] Schedule
- [ ] Substitutions
- [ ] Re-submittal
- [ ] Other

Contractor Comments:

- [x] For Approval
- [ ] As Requested
- [ ] For Your Information
- [ ] For Review & Comment

Architect/Engineer Review stamp

Turner

Northern Chautauqua Hospital (NCH)
Project #250266

Reviewed by Turner Construction for General Compliance with the most current drawings and specifications. This review does not relieve the subcontractor of the responsibility for making the work conform to the requirements of the contract. The subcontractor is responsible for all dimensions, correct fabrication and accurate fit with the work of other trades.

Submittal Manager/Reviewer: A. Lane

Submittal #: 026500-3 Revision 0

Date: 8/25/25

Reviewed by: Blake Carlson

13870 Taylor Hollow Rd, Collins, New York, 14034 - 716-532-3371 - Fax 716-532-9000

8/20/2025

LAKE SHORE PAVING
7 OSMER STREET
JAMESTOWN NY 14701

Via EMail: bcarlson@lakeshorepaving.com

ATTENTION: Blake Carlson

RE: Material Submittal Northern Chautauqua Hospital
Crushed #3 & #4

Dear Blake

This is to certify that the Crushed #3 & #4 proposed for use on the above listed project will be supplied in conformance with the requirements of the NYSDOT and project specifications. The Crushed #3 & #4 will be supplied out of our NYSDOT approved Middle Road borrow pit which is an virgin sand and gravel deposit with both NYSDOT and NYSDEC material source approvals.NYSDOT Source # 2997, NYSDEC Mine ID #-90369, NYSDEC Permit # 9043-30-0369

A Typical mechanical analysis of the proposed material is as follows:

Crushed #3 & #4 Middle Road

Seive Size	Percent Passing	Specification
4"	100	100
2"	52	40-60
1/2"	1.1	0-15
#200	0.5	0-2

Sincerely,
Gernatt Asphalt Products, Inc.

David M. Gier
Inside Sales Representative

HANES® GEO COMPONENTS™
A Leggett & Platt® COMPANY

815 Buxton Street | Winston Salem, NC | 27101
PH: 888.239.4539 | FAX: 336.747.1652
www.HanesGeo.com

TerraTex® GS

TerraTex® GS is a woven geotextile made up of polypropylene yarns. These yarns are woven to form a stable and durable network such that the yarns retain their relative position. TerraTex® GS meets AASHTO M288 Class 3 for separation and stabilization. It is non-biodegradable and resistant to most soil chemicals, acids, and alkali with a pH range of 3 to 12. TerraTex® GS is manufactured to meet or exceed the following minimum average roll values:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight (Typical) [1]	ASTM D5261	**4.0** oz/yd^2	**136** g/m^2
Grab Tensile	ASTM D4632	**200** lbs	**0.90** kN
Grab Elongation	ASTM D4632	**15** %	**15** %
Trapezoid Tear	ASTM D4533	**75** lbs	**0.333** kN
CBR Puncture	ASTM D6241	**700** lbs	**3.120** kN
Permittivity [1]	ASTM D4491	**0.05** sec^{-1}	**0.05** sec^{-1}
Water Flow Rate [1]	ASTM D4491	**5** gpm/ft^2	**203** Lpm/m^2
AOS [1,2]	ASTM D4751	**40** US Std. Sleve	**0.430** mm
UV Resistance	ASTM D4355	**70** % @ 500 hrs	**70** % @ 500 hrs

1 At the time of manufacturing. Handling, storage, and shipping may change these properties.
2 Value represents maximum average roll value.

DISCLAIMER: Descriptions regarding the products described herein are based solely upon information provided by the manufacturer and are provided for informational purposes only. **NOTHING CONTAINED HEREIN SHOULD BE CONSTRUED AS CREATING AN EXPRESSED OR IMPLIED WARRANTY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS, EACH OF WHICH IS HEREBY DISCLAIMED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.** The final determination as to the suitability of any product of Hanes Geo Components in any particular application rests solely with the user. Hanes Geo Components reserves the right to alter or modify its products and descriptions at any time without notice.

7/9/2015

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e) and 6NYCRR Part 360.13. Use of this form is not a substitute for reading the applicable regulations and Technical Guidance document.

SECTION 1 – SITE BACKGROUND

Site Name: 412 E Main Street Fredonia

Site Number: V00417

The allowable site use is: Commercial or Industrial Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 0-50

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that passes a size 100 sieve? no

Is this virgin material from a permitted mine or quarry? yes

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The sampling of the virgin rock material from a permitted mine / quarry shows that the material contains more than 10 percent passing through No. 100 sieve, therefore required DER-10 sampling. See attached summary table.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

All soil sample results are below the DER-10 Appendix 5 Import Criteria for Commercial/ Industrial Sites. See the attached documentation.

For 0-50 CY of topsoil:

1 discrete for VOCs
1 composite for SVOCs, Metals, PCBs/Pesticides, and PFAS

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Blake Carlson

Name and address of fill source:

Stark Gravel 3030 Strunk Road, Jamestown, NY

Location where fill was obtained:

On site quarry

Identification of any state or local approvals as a fill source:

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Sub-company of Lakeshore Paving, material is virgin from Jamestown Quarry at 3030 Strunk Road, Jamestown

Provide a list of supporting documentation included with this request:

Laboratory Analytical Package J232680-1
Tabulated data table

The information provided on this form is accurate and complete.

	10/03/2025
Signature	Date
Brian Wasilewski	
Print Name	
C&S Engineers	
Firm	

Table 2

412 E. Main Street Fredonia Import Sampling

Project Name: 412 E. Main Street Fredonia			
Analyte	DER-10 Commercial Use	Sample ID COMP-20250917	
Volatile Organic Compounds			
1,1-Dichloroethane	270	ND	ug/Kg
1,1-Dichloroethene	330	ND	ug/Kg
1,1,1-Trichloroethane	680	ND	ug/Kg
1,1,2-Trichloro-1,2,2-trifluoroethane		ND	ug/Kg
1,1,2-Trichloroethane		ND	ug/Kg
1,1,2,2-Tetrachloroethane		ND	ug/Kg
1,2-Dibromo-3-Chloropropane		ND	ug/Kg
1,2-Dibromoethane		ND	ug/Kg
1,2-Dichlorobenzene	1100	ND	ug/Kg
1,2-Dichloroethane	20	ND	ug/Kg
1,2-Dichloropropane		ND	ug/Kg
1,2,4-Trichlorobenzene		ND	ug/Kg
1,3-Dichlorobenzene	2400	ND	ug/Kg
1,4-Dichlorobenzene	1800	ND	ug/Kg
2-Butanone (MEK)	120	ND	ug/Kg
2-Hexanone		ND	ug/Kg
4-Methyl-2-pentanone (MIBK)		ND	ug/Kg
Acetone	50	ND	ug/Kg
Benzene	60	ND	ug/Kg
Bromodichloromethane		ND	ug/Kg
Bromoform		ND	ug/Kg
Bromomethane		ND	ug/Kg
Carbon disulfide		ND	ug/Kg
Carbon tetrachloride	760	ND	ug/Kg
Chlorobenzene	1100	ND	ug/Kg
Chloroethane		ND	ug/Kg
Chloroform	370	0.59	ug/Kg
Chloromethane		ND	ug/Kg
cis-1,2-Dichloroethene	250	ND	ug/Kg
cis-1,3-Dichloropropene		ND	ug/Kg
Cyclohexane		ND	ug/Kg
Dibromochloromethane		ND	ug/Kg
Dichlorodifluoromethane		ND	ug/Kg
Ethylbenzene	1000	ND	ug/Kg
Isopropylbenzene		ND	ug/Kg
Methyl acetate		ND	ug/Kg
Methyl tert-butyl ether	930	ND	ug/Kg
Methylcyclohexane		ND	ug/Kg
Methylene Chloride	50	ND	ug/Kg
Styrene		ND	ug/Kg
Tetrachloroethene	1300	ND	ug/Kg
Toluene	700	ND	ug/Kg
trans-1,2-Dichloroethene	190	ND	ug/Kg
trans-1,3-Dichloropropene		ND	ug/Kg
Trichloroethene	470	ND	ug/Kg
Trichlorofluoromethane		ND	ug/Kg
Vinyl chloride	20	ND	ug/Kg
Xylenes, Total	1600	ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

Semivolatile Organic Compounds			
1,4-Dioxane	100	ND	ug/Kg
2-Chloronaphthalene		ND	ug/Kg
2-Chlorophenol		ND	ug/Kg
2-Methylnaphthalene		ND	ug/Kg
2-Methylphenol	330	ND	ug/Kg
2-Nitroaniline		ND	ug/Kg
2-Nitrophenol		ND	ug/Kg
2,4-Dichlorophenol		ND	ug/Kg
2,4-Dimethylphenol		ND	ug/Kg
2,4-Dinitrophenol		ND	ug/Kg
2,4-Dinitrotoluene		ND	ug/Kg
2,4,5-Trichlorophenol		ND	ug/Kg
2,4,6-Trichlorophenol		ND	ug/Kg
2,6-Dinitrotoluene		ND	ug/Kg
3-Nitroaniline		ND	ug/Kg
3,3'-Dichlorobenzidine		ND	ug/Kg
4-Bromophenyl phenyl ether		ND	ug/Kg
4-Chloro-3-methylphenol		ND	ug/Kg
4-Chloroaniline		ND	ug/Kg
4-Chlorophenyl phenyl ether		ND	ug/Kg
4-Methylphenol	330	ND	ug/Kg
4-Nitroaniline		ND	ug/Kg
4-Nitrophenol		ND	ug/Kg
4,6-Dinitro-2-methylphenol		ND	ug/Kg
Acenaphthene	98000	ND	ug/Kg
Acenaphthylene	107000	ND	ug/Kg
Acetophenone		ND	ug/Kg
Anthracene	500000	ND	ug/Kg
Atrazine		ND	ug/Kg
Benzaldehyde		ND	ug/Kg
Benzo[a]anthracene	1000	ND	ug/Kg
Benzo[a]pyrene	1000	ND	ug/Kg
Benzo[b]fluoranthene	1700	ND	ug/Kg
Benzo[g,h,i]perylene	500000	ND	ug/Kg
Benzo[k]fluoranthene	1700	ND	ug/Kg
Biphenyl		ND	ug/Kg
bis (2-chloroisopropyl) ether		ND	ug/Kg
Bis(2-chloroethoxy)methane		ND	ug/Kg
Bis(2-chloroethyl)ether		ND	ug/Kg
Bis(2-ethylhexyl) phthalate		ND	ug/Kg
Butyl benzyl phthalate		ND	ug/Kg
Caprolactam		ND	ug/Kg
Chrysene	1000	ND	ug/Kg
Carbazole		ND	ug/Kg
Di-n-butyl phthalate		ND	ug/Kg
Di-n-octyl phthalate		ND	ug/Kg
Dibenz(a,h)anthracene	560	ND	ug/Kg
Dibenzofuran	210000	ND	ug/Kg
Diethyl phthalate		ND	ug/Kg
Dimethyl phthalate		ND	ug/Kg
Fluoranthene	500000	ND	ug/Kg
Fluorene	386000	ND	ug/Kg
Hexachlorobenzene	3200	ND	ug/Kg
Hexachlorobutadiene		ND	ug/Kg
Hexachlorocyclopentadiene		ND	ug/Kg
Hexachloroethane		ND	ug/Kg
Indeno[1,2,3-cd]pyrene	5600	ND	ug/Kg
Isophorone		ND	ug/Kg
N-Nitrosodi-n-propylamine		ND	ug/Kg
N-Nitrosodiphenylamine		ND	ug/Kg
Naphthalene	12000	ND	ug/Kg
Pentachlorophenol	800	ND	ug/Kg
Nitrobenzene		ND	ug/Kg
Phenanthrene	500000	ND	ug/Kg
Phenol	330	ND	ug/Kg
Pyrene	500000	ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

PFAS			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		ND	ng/g
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)		ND	ng/g
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		ND	ng/g
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)		ND	ng/g
3-Perfluoroheptylpropanoic acid (7:3 FTCA)		ND	ng/g
3-Perfluoropentylpropanoic acid (5:3 FTCA)		ND	ng/g
3-Perfluoropropylpropanoic acid (3:3 FTCA)		ND	ng/g
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		ND	ng/g
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		ND	ng/g
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		ND	ng/g
N-ethylperfluorooctane sulfonamide (NEtFOSA)		ND	ng/g
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)		ND	ng/g
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		ND	ng/g
N-methylperfluorooctane sulfonamide (NMeFOSA)		ND	ng/g
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)		ND	ng/g
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		ND	ng/g
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		ND	ng/g
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		ND	ng/g
Perfluoro-3-methoxypropanoic acid (PFMPA)		ND	ng/g
Perfluoro-4-methoxybutanoic acid (PFMBA)		ND	ng/g
Perfluorobutanesulfonic acid (PFBS)		ND	ng/g
Perfluorobutanoic acid (PFBA)		ND	ng/g
Perfluorodecanesulfonic acid (PFDS)		ND	ng/g
Perfluorodecanoic acid (PFDA)		ND	ng/g
Perfluorododecanesulfonic acid (PFDoS)		ND	ng/g
Perfluorododecanoic acid (PFDoA)		ND	ng/g
Perfluoroheptanesulfonic acid (PFHpS)		ND	ng/g
Perfluoroheptanoic acid (PFHpA)		ND	ng/g
Perfluorohexanesulfonic acid (PFHxS)		ND	ng/g
Perfluorohexanoic acid (PFHxA)		ND	ng/g
Perfluorononanesulfonic acid (PFNS)		ND	ng/g
Perfluorononanoic acid (PFNA)		ND	ng/g
Perfluorooctanesulfonamide (PFOSA)		ND	ng/g
Perfluorooctanesulfonic acid (PFOS)		ND	ng/g
Perfluorooctanoic acid (PFOA)		ND	ng/g
Perfluoropentanesulfonic acid (PFPeS)		ND	ng/g
Perfluoropentanoic acid (PFPeA)		ND	ng/g
Perfluorotetradecanoic acid (PFTeDA)		ND	ng/g
Perfluorotridecanoic acid (PFTrDA)		ND	ng/g
Perfluoroundecanoic acid (PFUnA)		ND	ng/g
Pesticides and Herbicides			
4,4'-DDD	14000	ND	ug/Kg
4,4'-DDE	17000	ND	ug/Kg
4,4'-DDT	47000	ND	ug/Kg
Aldrin	190	ND	ug/Kg
alpha-BHC	20	ND	ug/Kg
beta-BHC	90	ND	ug/Kg
cis-Chlordane	2900	ND	ug/Kg
delta-BHC	250	1	ug/Kg
Dieldrin	100	ND	ug/Kg
Endosulfan I	102000	ND	ug/Kg
Endosulfan II	102000	ND	ug/Kg
Endosulfan sulfate	200000	ND	ug/Kg
Endrin	60	ND	ug/Kg
Endrin aldehyde		ND	ug/Kg
Endrin ketone		ND	ug/Kg
gamma-BHC (Lindane)	100	ND	ug/Kg
Heptachlor	380	ND	ug/Kg
Heptachlor epoxide		ND	ug/Kg
Methoxychlor		ND	ug/Kg
Silvex (2,4,5-TP)	3800	ND	ug/Kg
Toxaphene		ND	ug/Kg
trans-Chlordane		ND	ug/Kg

Table 2 **412 E. Main Street Fredonia Import Sampling**

PCBs			
PCB-1016		ND	mg/Kg
PCB-1221		ND	mg/Kg
PCB-1232		ND	mg/Kg
PCB-1242		ND	mg/Kg
PCB-1248		ND	mg/Kg
PCB-1254		ND	mg/Kg
PCB-1260		ND	mg/Kg
Metals			
Aluminum		**11800**	mg/Kg
Antimony		0.62	mg/Kg
Arsenic	16	**9.7**	mg/Kg
Barium	400	**111**	mg/Kg
Beryllium	47	**0.44**	mg/Kg
Cadmium	7.5	0.10	mg/Kg
Calcium		**15700**	mg/Kg
Chromium		**14.3**	mg/Kg
Cobalt		**9.9**	mg/Kg
Copper	270	**25.9**	mg/Kg
Iron		**25800**	mg/Kg
Lead	450	**16.9**	mg/Kg
Magnesium		**5370**	mg/Kg
Manganese	2000	**492**	mg/Kg
Mercury	0.73	0.010	mg/Kg
Nickel	130	**24.8**	mg/Kg
Potassium		**1810**	mg/Kg
Selenium	4	ND	mg/Kg
Silver	8.3	ND	mg/Kg
Sodium		74.5	mg/Kg
Thallium		ND	mg/Kg
Vanadium		**16.3**	mg/Kg
Zinc	2480	**72.4**	mg/Kg
Cr (VI)	19	ND	mg/Kg
Cyanide, Total	27	ND	mg/Kg
Percent Moisture		**4.6**	%
Percent Solids		**95.4**	%

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SUBMITTAL COVER SHEET

SUBMITTAL #: 001

ARCHITECT:

DATE: 8/20/2025

PROJECT: Northern Chautauqua Hospital

Contractor: Lake Shore Paving, Inc.

Product Name: Backfill Void where Contaminated soil is removed

Manufacturer Screen Gravel

Supplier: Stark Gravel

Reference drawing:

Specification Section: 026500

Type of Submittal:

- [ ] Color Selection
- [x] Product Data
- [ ] Samples
- [ ] Shop Drawings
- [ ] Certification
- [ ] Schedule
- [ ] Substitutions
- [ ] Re-submittal
- [ ] Other

Contractor Comments:

- [x] For Approval
- [ ] As Requested
- [ ] For Your Information
- [ ] For Review & Comment

Architect/Engineer Review stamp

Turner

Northern Chautauqua Hospital (NCH)
Project #250266

Reviewed by Turner Construction for General Compliance with the most current drawings and specifications. This review does not relieve the subcontractor of the responsibility for making the work conform to the requirements of the contract. The subcontractor is responsible for all dimensions, correct fabrication and accurate fit with the work of other trades.

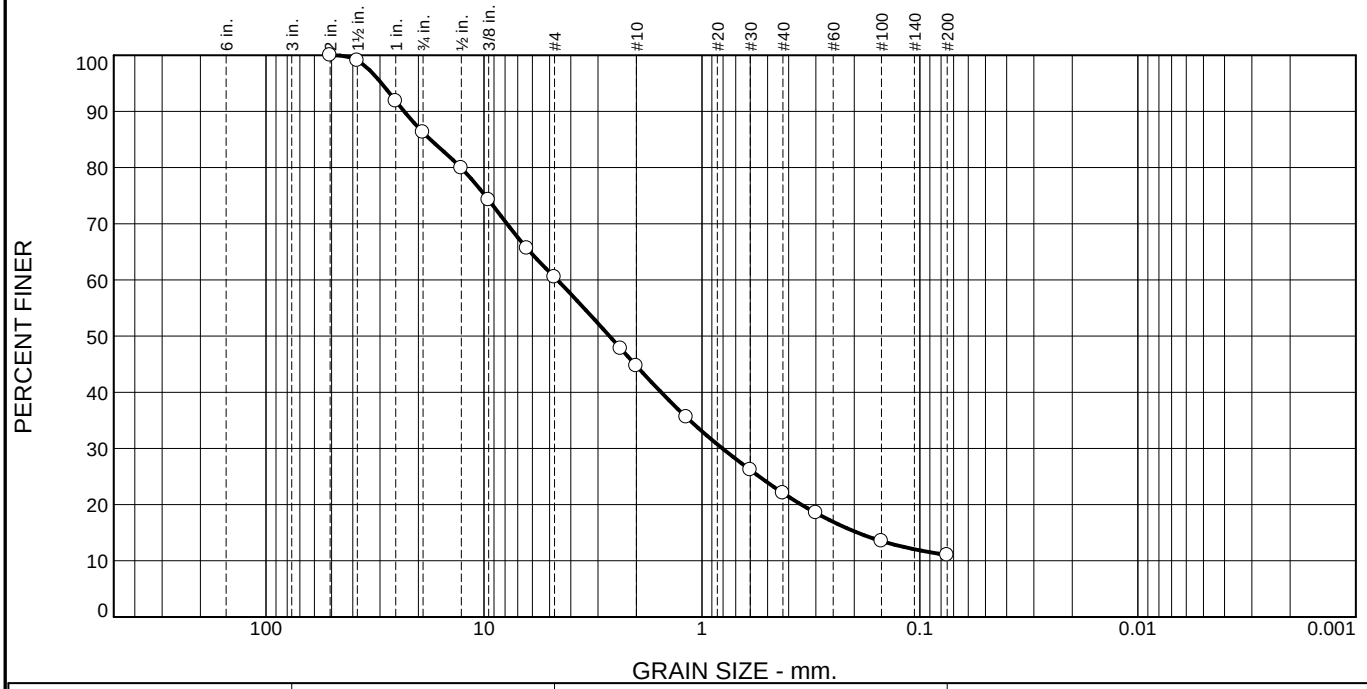
Submittal Manager/Reviewer: A. Lane

Submittal #: 026500-7 Revision 0

Date: 8/25/25

Reviewed by: Blake Carlson

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	13.7	25.8	15.8	22.7	11.0	11.0	

TEST RESULTS (ASTM D6913)

Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
2"	100.0		
1.5	99.1		
1	91.8		
.75	86.3		
.5	79.9		
.375	74.2		
.25	65.6		
#4	60.5		
#8	47.8		
#10	44.7		
#16	35.6		
#30	26.2		
#40	22.0		
#50	18.5		
#100	13.5		
#200	11.0		

* (no specification provided)

Material Description

ID#23-438

Atterberg Limits (ASTM D 4318)

PL= **LL=** **PI=**

Classification

USCS (D 2487)= **AASHTO (M 145)=**

Coefficients

D_{90}= 23.2370 D_{85}= 17.6360 D_{60}= 4.6100
D_{50}= 2.6557 D_{30}= 0.8054 D_{15}= 0.1931
D_{10}= C_u= C_c=

Remarks

Date Received: 6/26/23 **Date Tested:** 7/18/23

Tested By: MR

Checked By: JMA

Title: LM

Source of Sample: Screened Gravel **Date Sampled:**
Sample Number: Screened Gravel

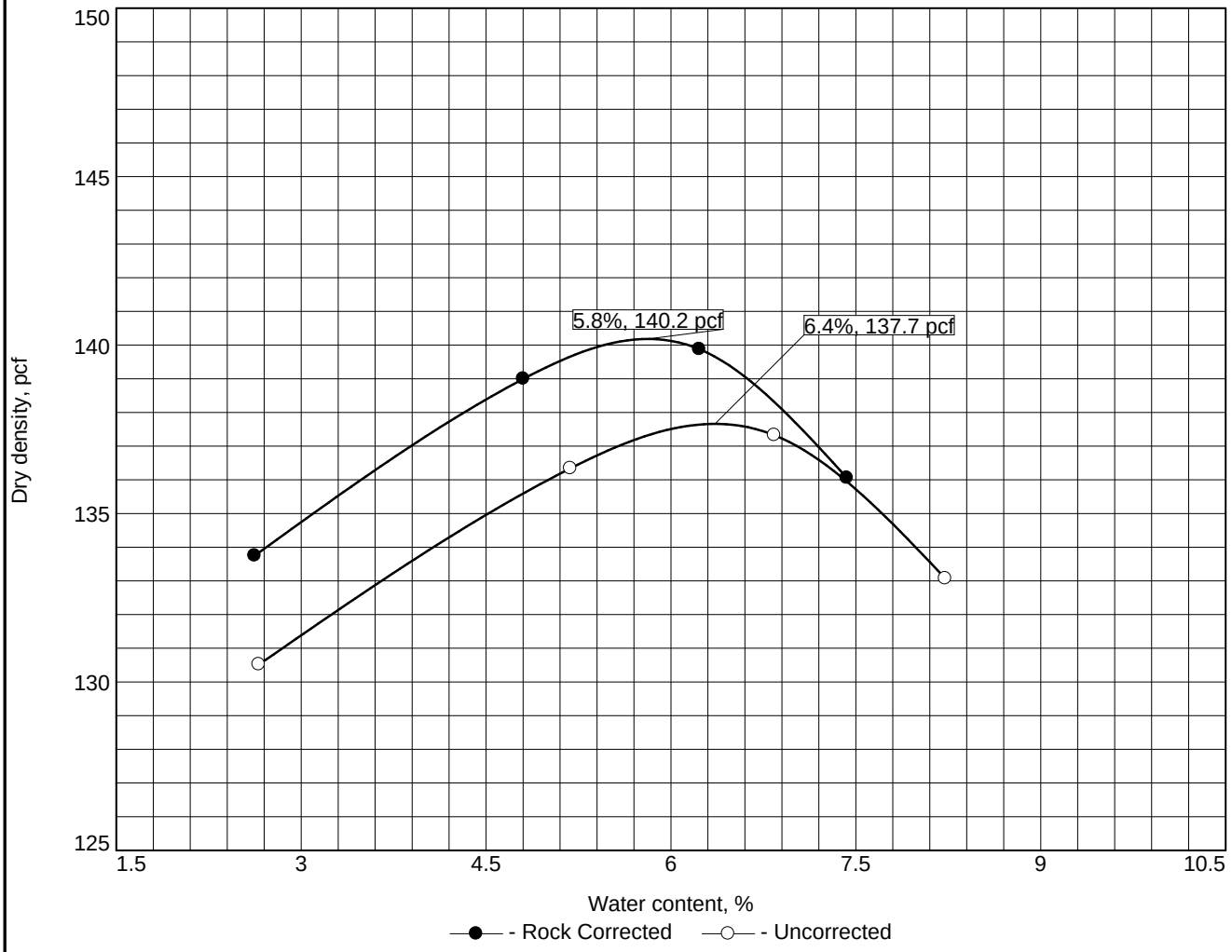
3rd Rock, LLC

East Aurora, NY

Client: Lakeshore Paving
Project:

Project No: 23-040 **Figure**

COMPACTION TEST REPORT



Test specification: ASTM D 1557-07 Method C Modified
ASTM D4718-15 Oversize Corr. Applied to Each Test Point

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
							13.7	11.0

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 140.2 pcf	137.7 pcf	ID#23-438
Optimum moisture = 5.8 %	6.4 %	

Project No. 23-040 **Client:** Lakeshore Paving
Project:

○**Source of Sample:** Screened Gravel **Sample Number:** Screened Gravel

3rd Rock, LLC

East Aurora, NY

Remarks:

Figure

Tested By: TD 7/10/23 **Checked By:** JMA

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SUBMITTAL COVER SHEET

SUBMITTAL #: 001

ARCHITECT:

DATE: 8/20/2025

PROJECT: Northern Chautauqua Hospital

Contractor: Lake Shore Paving, Inc.

Product Name: Trailer Lot Parking Stone

Manufacturer Screen Gravel

Supplier: Stark Gravel Products

Reference drawing:

Specification Section: 026500

Type of Submittal:

- [ ] Color Selection
- [x] Product Data
- [ ] Samples
- [ ] Shop Drawings
- [ ] Certification
- [ ] Schedule
- [ ] Substitutions
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Northern Chautauqua Hospital (NCH)
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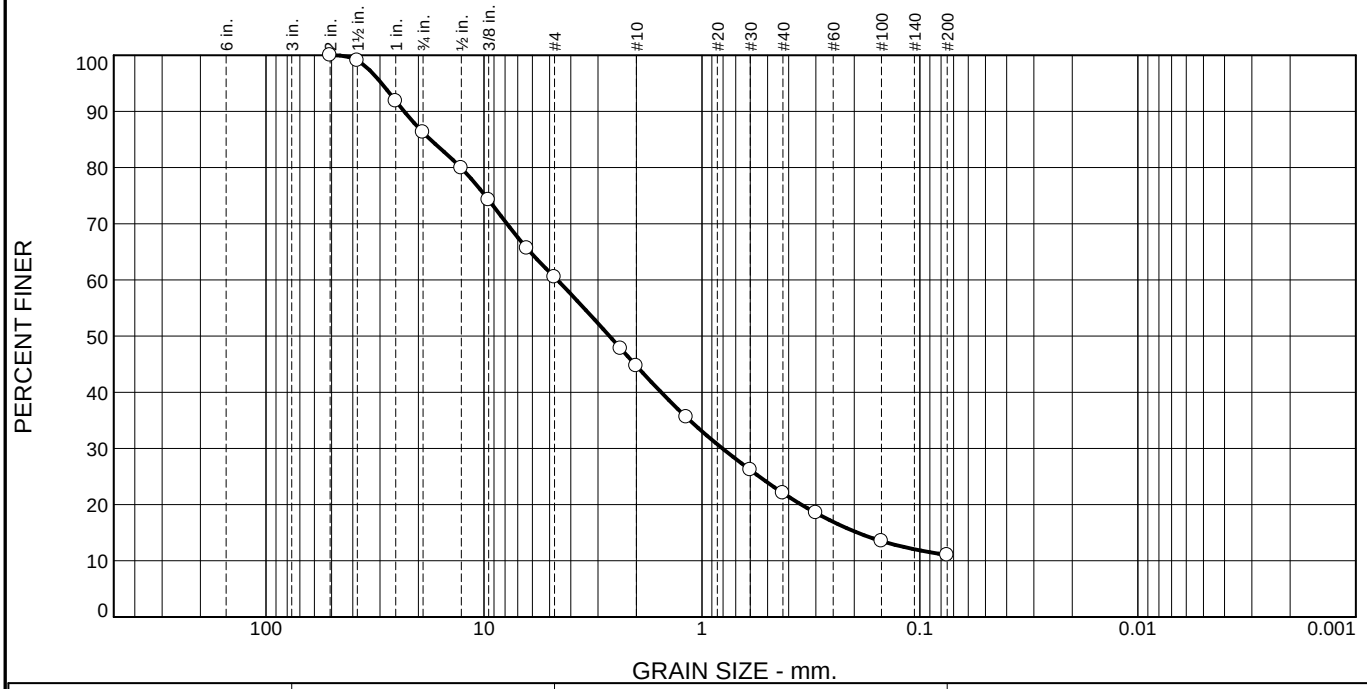
Submittal Manager/Reviewer: A. Lane

Submittal #: 026500-7 Revision 0

Date: 8/25/25

Reviewed by: Blake Carlson

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
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ID#23-438

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Remarks

Date Received: 6/26/23 **Date Tested:** 7/18/23

Tested By: MR

Checked By: JMA

Title: LM

Source of Sample: Screened Gravel **Date Sampled:**
Sample Number: Screened Gravel

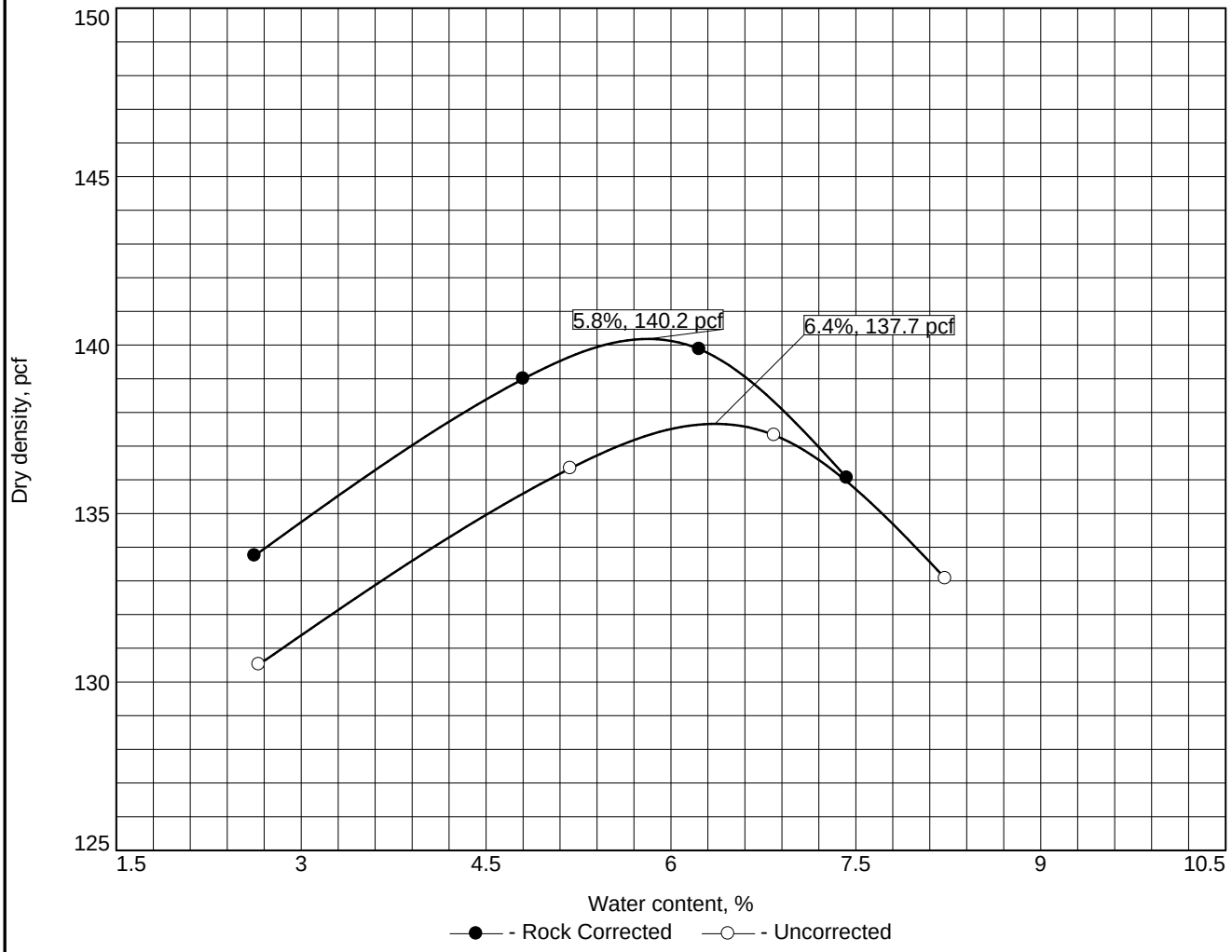
3rd Rock, LLC

East Aurora, NY

Client: Lakeshore Paving
Project:

Project No: 23-040 **Figure**

COMPACTION TEST REPORT



Test specification: ASTM D 1557-07 Method C Modified
ASTM D4718-15 Oversize Corr. Applied to Each Test Point

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Maximum dry density = 140.2 pcf	137.7 pcf	ID#23-438
Optimum moisture = 5.8 %	6.4 %	

Project No. 23-040 **Client:** Lakeshore Paving
Project:

○**Source of Sample:** Screened Gravel **Sample Number:** Screened Gravel

3rd Rock, LLC

East Aurora, NY

Remarks:

Figure

Tested By: TD 7/10/23 **Checked By:** JMA

HANES® GEO COMPONENTS™
A Leggett & Platt® COMPANY

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PH: 888.239.4539 | FAX: 336.747.1652
www.HanesGeo.com

TerraTex® GS

TerraTex® GS is a woven geotextile made up of polypropylene yarns. These yarns are woven to form a stable and durable network such that the yarns retain their relative position. TerraTex® GS meets AASHTO M288 Class 3 for separation and stabilization. It is non-biodegradable and resistant to most soil chemicals, acids, and alkali with a pH range of 3 to 12. TerraTex® GS is manufactured to meet or exceed the following minimum average roll values:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight (Typical) [1]	ASTM D5261	**4.0** oz/yd^2	**136** g/m^2
Grab Tensile	ASTM D4632	**200** lbs	**0.90** kN
Grab Elongation	ASTM D4632	**15** %	**15** %
Trapezoid Tear	ASTM D4533	**75** lbs	**0.333** kN
CBR Puncture	ASTM D6241	**700** lbs	**3.120** kN
Permittivity [1]	ASTM D4491	**0.05** sec^{-1}	**0.05** sec^{-1}
Water Flow Rate [1]	ASTM D4491	**5** gpm/ft^2	**203** Lpm/m^2
AOS [1,2]	ASTM D4751	**40** US Std. Sleve	**0.430** mm
UV Resistance	ASTM D4355	**70** % @ 500 hrs	**70** % @ 500 hrs

1 At the time of manufacturing. Handling, storage, and shipping may change these properties.
2 Value represents maximum average roll value.

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7/9/2015

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cody Martin
C&S Engineers, Inc.
141 Elm Street
Suite 100
Buffalo, New York 14203

Generated 9/30/2025 11:03:17 AM

JOB DESCRIPTION

Northern Chautauqua Hospital

JOB NUMBER

480-232680-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A- L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
^5-	Linear Range Check (LRC) is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
480-232680-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The sample was received on 9/17/2025 2:20 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 23.6°C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-757227 recovered above the upper control limit for Cyclohexane. The sample(s) associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The associated sample is:Comp-20250917 (480-232680-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-757387 and analytical batch 480-757599 recovered outside control limits for multiple analytes. The associated sample is:Comp-20250917 (480-232680-1).

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-757599 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is:Comp-20250917 (480-232680-1).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-757599 recovered outside acceptance criteria, low biased, for 1,4-Dioxane and bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated sample is:Comp-20250917 (480-232680-1).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-757599 recovered above the upper control limit for 4-Bromophenyl phenyl ether, 4-Nitrophenol, Hexachlorobenzene and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:Comp-20250917 (480-232680-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Herbicides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The method blank for preparation batch 480-757252 and analytical batch 480-757298 contained delta-BHC above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed. The following associated sample is impacted: Comp-20250917 (480-232680-1).

Job ID: 480-232680-1 (Continued) Eurofins Buffalo

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The linear range check (LRC) standard recovery associated with 480-757553 is outside the acceptance criteria for the following analytes: Silver, Sodium and Nickel. The concentration of these analyte(s) in the sample(s) are below the highest standard of the calibration curve; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Client Sample ID: Comp-20250917
Lab Sample ID: 480-232680-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.59	J vs B	5.0	0.31	ug/Kg	1	☼	8260C	Total/NA
delta-BHC	1.0	J B	3.5	0.65	ug/Kg	1	☼	8081B	Total/NA
Aluminum	11800		10.7	9.2	mg/Kg	1	☼	6010D	Total/NA
Antimony	0.62	J F1	16.0	0.57	mg/Kg	1	☼	6010D	Total/NA
Arsenic	9.7		2.1	0.94	mg/Kg	1	☼	6010D	Total/NA
Barium	111		0.53	0.15	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.44		0.21	0.043	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.10	J	0.21	0.075	mg/Kg	1	☼	6010D	Total/NA
Calcium	15700	F1 F2	53.3	28.8	mg/Kg	1	☼	6010D	Total/NA
Chromium	14.3		0.53	0.38	mg/Kg	1	☼	6010D	Total/NA
Cobalt	9.9		0.53	0.11	mg/Kg	1	☼	6010D	Total/NA
Copper	25.9		1.1	0.61	mg/Kg	1	☼	6010D	Total/NA
Iron	25800		10.7	9.0	mg/Kg	1	☼	6010D	Total/NA
Lead	16.9		1.1	0.49	mg/Kg	1	☼	6010D	Total/NA
Magnesium	5370		21.3	9.0	mg/Kg	1	☼	6010D	Total/NA
Manganese	492		1.1	0.30	mg/Kg	1	☼	6010D	Total/NA
Nickel	24.8	^5-	5.3	0.27	mg/Kg	1	☼	6010D	Total/NA
Potassium	1810		32.0	25.9	mg/Kg	1	☼	6010D	Total/NA
Sodium	74.5	J ^5-	149	65.4	mg/Kg	1	☼	6010D	Total/NA
Vanadium	16.3		0.53	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	72.4	F1	2.1	1.1	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.010	J	0.020	0.0047	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Client Sample ID: Comp-20250917
Lab Sample ID: 480-232680-1
Date Collected: 09/17/25 13:30
Matrix: Solid
Date Received: 09/17/25 14:20
Percent Solids: 95.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.0	0.37	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,1,2,2-Tetrachloroethane	ND	vs	5.0	0.82	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.0	1.1	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,1,2-Trichloroethane	ND	vs	5.0	0.65	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,1-Dichloroethane	ND	vs	5.0	0.61	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,1-Dichloroethene	ND	vs	5.0	0.62	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,2,4-Trichlorobenzene	ND	vs	5.0	0.31	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.0	2.5	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,2-Dibromoethane	ND	vs	5.0	0.65	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,2-Dichlorobenzene	ND	vs	5.0	0.39	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,2-Dichloroethane	ND	vs	5.0	0.25	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,2-Dichloropropane	ND	vs	5.0	2.5	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,3-Dichlorobenzene	ND	vs	5.0	0.26	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
1,4-Dichlorobenzene	ND	vs	5.0	0.70	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
2-Butanone (MEK)	ND	vs	25	1.8	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
2-Hexanone	ND	vs	25	2.5	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
4-Methyl-2-pentanone (MIBK)	ND	vs	25	1.6	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Acetone	ND	vs	25	4.2	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Benzene	ND	vs	5.0	0.25	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Bromodichloromethane	ND	vs	5.0	0.67	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Bromoform	ND	vs	5.0	2.5	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Bromomethane	ND	vs	5.0	0.45	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Carbon disulfide	ND	vs	5.0	2.5	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Carbon tetrachloride	ND	vs	5.0	0.49	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Chlorobenzene	ND	vs	5.0	0.66	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Chloroethane	ND	vs	5.0	1.1	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Chloroform	**0.59**	**J vs B**	5.0	0.31	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Chloromethane	ND	vs	5.0	0.30	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
cis-1,2-Dichloroethene	ND	vs	5.0	0.64	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
cis-1,3-Dichloropropene	ND	vs	5.0	0.72	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Cyclohexane	ND	vs	5.0	0.70	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Dibromochloromethane	ND	vs	5.0	0.64	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Dichlorodifluoromethane	ND	vs	5.0	0.42	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Ethylbenzene	ND	vs	5.0	0.35	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Isopropylbenzene	ND	vs	5.0	0.76	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Methyl acetate	ND	vs	25	3.0	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Methyl tert-butyl ether	ND	vs	5.0	0.49	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Methylcyclohexane	ND	vs	5.0	0.76	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Methylene Chloride	ND	vs	5.0	2.3	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Styrene	ND	vs	5.0	0.25	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Tetrachloroethene	ND	vs	5.0	0.68	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Toluene	ND	vs	5.0	0.38	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
trans-1,2-Dichloroethene	ND	vs	5.0	0.52	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
trans-1,3-Dichloropropene	ND	vs	5.0	2.2	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Trichloroethene	ND	vs	5.0	1.1	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Trichlorofluoromethane	ND	vs	5.0	0.48	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Vinyl chloride	ND	vs	5.0	0.61	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1
Xylenes, Total	ND	vs	10	0.85	ug/Kg	☼	09/17/25 17:32	09/17/25 23:22	1

Client: C&S Engineers, Inc.
Project/Site: Northern Chautauqua Hospital

Job ID: 480-232680-1

Client Sample ID: Comp-20250917
Date Collected: 09/17/25 13:30
Date Received: 09/17/25 14:20

Lab Sample ID: 480-232680-1
Matrix: Solid
Percent Solids: 95.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*09/17/25 17:32*	*09/17/25 23:22*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*09/17/25 17:32*	*09/17/25 23:22*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*09/17/25 17:32*	*09/17/25 23:22*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/17/25 17:32*	*09/17/25 23:22*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	37	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,4,5-Trichlorophenol	ND	*1	170	35	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,4-Dichlorophenol	ND		170	33	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,4-Dimethylphenol	ND		170	36	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,4-Dinitrophenol	ND	F1	1700	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2,6-Dinitrotoluene	ND	*1	170	24	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2-Chloronaphthalene	ND		170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2-Chlorophenol	ND		170	27	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2-Methylnaphthalene	ND		170	27	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2-Methylphenol	ND		170	28	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2-Nitroaniline	ND		330	29	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
2-Nitrophenol	ND	*1	170	19	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
3-Nitroaniline	ND	*1	330	24	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4,6-Dinitro-2-methylphenol	ND	*1	330	37	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Bromophenyl phenyl ether	ND	*1	170	29	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Chloroaniline	ND		170	24	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Chlorophenyl phenyl ether	ND	*1	170	36	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Methylphenol	ND		330	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Nitroaniline	ND		330	25	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
4-Nitrophenol	ND		330	47	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Acenaphthene	ND		170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Acenaphthylene	ND		170	33	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Acetophenone	ND		170	30	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Anthracene	ND	*1	170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Atrazine	ND		170	58	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Benzaldehyde	ND	*1	170	130	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Benzo[a]anthracene	ND	*1	170	23	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Benzo[a]pyrene	ND	*1	170	29	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Benzo[b]fluoranthene	ND	*1	170	23	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Benzo[g,h,i]perylene	ND	*1	170	30	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Biphenyl	ND	*1	170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Bis(2-chloroethoxy)methane	ND		170	33	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Bis(2-chloroethyl)ether	ND	*1	170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Bis(2-ethylhexyl) phthalate	ND	*1	170	37	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Butyl benzyl phthalate	ND	*1	170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Caprolactam	ND		170	39	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Carbazole	ND		170	33	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1

Client Sample ID: Comp-20250917
Date Collected: 09/17/25 13:30
Date Received: 09/17/25 14:20

Lab Sample ID: 480-232680-1
Matrix: Solid
Percent Solids: 95.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND	*1	170	41	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Dibenz(a,h)anthracene	ND	*1	170	34	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Dibenzofuran	ND	*1	170	30	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Diethyl phthalate	ND		170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Dimethyl phthalate	ND		170	33	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Di-n-butyl phthalate	ND	*1	170	38	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Di-n-octyl phthalate	ND	*1	170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Fluoranthene	ND	*1	170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Fluorene	ND		170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Hexachlorobenzene	ND	*1	170	33	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Hexachlorobutadiene	ND		170	25	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Hexachlorocyclopentadiene	ND		330	75	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Hexachloroethane	ND		170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Indeno[1,2,3-cd]pyrene	ND	*1	170	25	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Isophorone	ND		170	35	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Naphthalene	ND		170	28	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Nitrobenzene	ND		170	29	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
N-Nitrosodiphenylamine	ND	*1	170	29	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Pentachlorophenol	ND		330	54	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Phenanthrene	ND	*1	170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Phenol	ND		170	31	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1
Pyrene	ND		170	32	ug/Kg	☼	09/19/25 08:23	09/22/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*81*		*22 - 120*	*09/19/25 08:23*	*09/22/25 15:34*	*1*
p-Terphenyl-d14	*93*		*28 - 124*	*09/19/25 08:23*	*09/22/25 15:34*	*1*
Phenol-d5	*78*		*23 - 120*	*09/19/25 08:23*	*09/22/25 15:34*	*1*
2-Fluorophenol	*74*		*18 - 120*	*09/19/25 08:23*	*09/22/25 15:34*	*1*
2,4,6-Tribromophenol	*109*		*10 - 140*	*09/19/25 08:23*	*09/22/25 15:34*	*1*
2-Fluorobiphenyl	*87*		*29 - 120*	*09/19/25 08:23*	*09/22/25 15:34*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.5	0.68	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
4,4'-DDE	ND		3.5	0.73	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
4,4'-DDT	ND		3.5	0.81	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Aldrin	ND		3.5	0.86	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
alpha-BHC	ND		3.5	0.63	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
cis-Chlordane	ND		3.5	1.7	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
beta-BHC	ND		3.5	0.63	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
delta-BHC	**1.0**	**J B**	3.5	0.65	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Dieldrin	ND		3.5	0.83	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Endosulfan I	ND		3.5	0.67	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Endosulfan II	ND		3.5	0.63	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Endosulfan sulfate	ND		3.5	0.65	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Endrin	ND		3.5	0.69	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Endrin aldehyde	ND		3.5	0.89	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Endrin ketone	ND		3.5	0.86	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
gamma-BHC (Lindane)	ND		3.5	0.64	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1

Client Sample ID: Comp-20250917
Date Collected: 09/17/25 13:30
Date Received: 09/17/25 14:20

Lab Sample ID: 480-232680-1
Matrix: Solid
Percent Solids: 95.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		3.5	1.1	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Heptachlor	ND		3.5	0.75	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Heptachlor epoxide	ND		3.5	0.90	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Methoxychlor	ND		3.5	0.71	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1
Toxaphene	ND		35	20	ug/Kg	☼	09/18/25 07:52	09/18/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*45 - 120*	*09/18/25 07:52*	*09/18/25 15:47*	*1*
Tetrachloro-m-xylene	*75*		*30 - 124*	*09/18/25 07:52*	*09/18/25 15:47*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1
PCB-1221	ND		0.19	0.037	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1
PCB-1232	ND		0.19	0.037	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1
PCB-1242	ND		0.19	0.037	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1
PCB-1248	ND		0.19	0.037	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1
PCB-1254	ND		0.19	0.088	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1
PCB-1260	ND		0.19	0.088	mg/Kg	☼	09/18/25 06:43	09/18/25 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*09/18/25 06:43*	*09/18/25 17:45*	*1*
DCB Decachlorobiphenyl	*120*		*65 - 174*	*09/18/25 06:43*	*09/18/25 17:45*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		17	6.3	ug/Kg	☼	09/18/25 06:49	09/23/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*28 - 129*	*09/18/25 06:49*	*09/23/25 11:04*	*1*

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.38	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoropentanoic acid (PFPeA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorohexanoic acid (PFHxA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoroheptanoic acid (PFHpA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorooctanoic acid (PFOA)	ND		0.19	0.058	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorononanoic acid (PFNA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorodecanoic acid (PFDA)	ND		0.19	0.058	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1

Client: C&S Engineers, Inc.
Project/Site: Northern Chautauqua Hospital

Job ID: 480-232680-1

Client Sample ID: Comp-20250917
Date Collected: 09/17/25 13:30
Date Received: 09/17/25 14:20

Lab Sample ID: 480-232680-1
Matrix: Solid
Percent Solids: 95.4

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.38	0.19	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.38	0.19	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.38	0.19	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		0.96	0.48	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		0.96	0.48	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.19	0.096	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.38	0.19	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		0.96	0.48	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		0.96	0.48	ng/g	☼	09/20/25 10:54	09/20/25 23:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*8 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C5 PFPeA	*106*		*35 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C5 PFHxA	*102*		*40 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C4 PFHpA	*104*		*40 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C8 PFOA	*101*		*40 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C9 PFNA	*104*		*40 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C6 PFDA	*102*		*40 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*
13C7 PFUnA	*97.9*		*40 - 130*	*09/20/25 10:54*	*09/20/25 23:48*	*1*

Client Sample ID: Comp-20250917
Date Collected: 09/17/25 13:30
Date Received: 09/17/25 14:20

Lab Sample ID: 480-232680-1
Matrix: Solid
Percent Solids: 95.4

Method: EPA 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	91.1		20 - 130	09/20/25 10:54	09/20/25 23:48	1
13C3 PFBS	90.6		40 - 135	09/20/25 10:54	09/20/25 23:48	1
13C3 PFHxS	91.3		40 - 130	09/20/25 10:54	09/20/25 23:48	1
13C8 PFOS	94.3		40 - 130	09/20/25 10:54	09/20/25 23:48	1
13C8 FOSA	84.2		40 - 130	09/20/25 10:54	09/20/25 23:48	1
d3-NMeFOSAA	94.9		40 - 135	09/20/25 10:54	09/20/25 23:48	1
d5-NEtFOSAA	87.3		40 - 150	09/20/25 10:54	09/20/25 23:48	1
13C2 4:2 FTS	90.6		40 - 165	09/20/25 10:54	09/20/25 23:48	1
13C2 6:2 FTS	96.8		40 - 215	09/20/25 10:54	09/20/25 23:48	1
13C2 8:2 FTS	123		40 - 275	09/20/25 10:54	09/20/25 23:48	1
13C3 HFPO-DA	99.6		40 - 130	09/20/25 10:54	09/20/25 23:48	1
d7-N-MeFOSE-M	71.8		20 - 130	09/20/25 10:54	09/20/25 23:48	1
d9-N-EtFOSE-M	63.3		15 - 130	09/20/25 10:54	09/20/25 23:48	1
d5-NEtPFOSA	73.3		10 - 130	09/20/25 10:54	09/20/25 23:48	1
d3-NMePFOSA	75.9		10 - 130	09/20/25 10:54	09/20/25 23:48	1
13C2 PFDoA	92.3		40 - 130	09/20/25 10:54	09/20/25 23:48	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11800		10.7	9.2	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Antimony	0.62	J F1	16.0	0.57	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Arsenic	9.7		2.1	0.94	mg/Kg	☼	09/19/25 08:51	09/22/25 11:02	1
Barium	111		0.53	0.15	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Beryllium	0.44		0.21	0.043	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Cadmium	0.10	J	0.21	0.075	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Calcium	15700	F1 F2	53.3	28.8	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Chromium	14.3		0.53	0.38	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Cobalt	9.9		0.53	0.11	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Copper	25.9		1.1	0.61	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Iron	25800		10.7	9.0	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Lead	16.9		1.1	0.49	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Magnesium	5370		21.3	9.0	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Manganese	492		1.1	0.30	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Nickel	24.8	^5-	5.3	0.27	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Potassium	1810		32.0	25.9	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Selenium	ND		4.3	0.85	mg/Kg	☼	09/19/25 08:51	09/22/25 11:02	1
Silver	ND	^5-	0.64	0.21	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Sodium	74.5	J ^5-	149	65.4	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Thallium	ND		6.4	0.81	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Vanadium	16.3		0.53	0.14	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1
Zinc	72.4	F1	2.1	1.1	mg/Kg	☼	09/19/25 08:51	09/19/25 18:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.020	0.0047	mg/Kg	☼	09/19/25 08:34	09/19/25 11:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SW846 7196A)	ND		0.43	0.38	mg/Kg	☼	09/29/25 18:11	09/29/25 23:25	1
Cyanide, Total (SW846 9012B)	ND	F1	1.0	0.50	mg/Kg	☼	09/23/25 12:35	09/23/25 16:36	1

Surrogate Summary

Client: C&S Engineers, Inc.
Project/Site: Northern Chautauqua Hospital

Job ID: 480-232680-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-232680-1	Comp-20250917	101	94	98	96
LCS 480-757225/1-A	Lab Control Sample	99	93	95	98
MB 480-757225/2-A	Method Blank	100	93	97	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	TPHd14	PHL	2FP	TBP	FBP
Lab Sample ID	Client Sample ID	(22-120)	(28-124)	(23-120)	(18-120)	(10-140)	(29-120)
480-232680-1	Comp-20250917	81	93	78	74	109	87
480-232680-1 MS	Comp-20250917	80	86	73	62	114	84
480-232680-1 MSD	Comp-20250917	81	91	74	66	115	84
LCS 480-757387/2-A	Lab Control Sample	68	75	62	55	102	72
LCSD 480-757387/3-A	Lab Control Sample Dup	81	91	76	67	123	85
MB 480-757387/1-A	Method Blank	75	86	64	62	107	76

Surrogate Legend

NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5
2FP = 2-Fluorophenol
TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(45-120)	(30-124)
480-232680-1	Comp-20250917	84	75
480-232680-1 MS	Comp-20250917	90	82
480-232680-1 MSD	Comp-20250917	87	82
LCS 480-757252/2-A	Lab Control Sample	82	62
MB 480-757252/1-A	Method Blank	97	77

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: C&S Engineers, Inc. Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	DCBP1								
Lab Sample ID	Client Sample ID	(60-154)	(65-174)								
480-232680-1	Comp-20250917	110	120								
LCS 480-757243/2-A	Lab Control Sample	142	151								
MB 480-757243/1-A	Method Blank	118	131								

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCPAA1									
Lab Sample ID	Client Sample ID	(28-129)									
480-232680-1	Comp-20250917	77									
LCS 480-757244/2-A	Lab Control Sample	83									
MB 480-757244/1-A	Method Blank	76									

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: C&S Engineers, Inc.
Project/Site: Northern Chautauqua Hospital

Job ID: 480-232680-1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(8-130)	(35-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)	(40-130)
480-232680-1	Comp-20250917	103	106	102	104	101	104	102	97.9
LCS 410-702241/2-A	Lab Control Sample	86.2	83.0	85.6	83.8	84.8	83.1	84.2	81.8
LLCS 410-702241/3-A	Lab Control Sample	102	104	104	105	99.5	96.1	98.2	101
MB 410-702241/1-A	Method Blank	103	102	102	103	101	100	97.4	93.5

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-130)	(40-135)	(40-130)	(40-130)	(40-130)	(40-135)	(40-150)	(40-165)
480-232680-1	Comp-20250917	91.1	90.6	91.3	94.3	84.2	94.9	87.3	90.6
LCS 410-702241/2-A	Lab Control Sample	76.4	84.3	87.3	86.7	71.0	85.0	73.2	79.8
LLCS 410-702241/3-A	Lab Control Sample	86.3	102	102	102	88.2	99.8	91.7	104
MB 410-702241/1-A	Method Blank	86.4	104	105	101	84.1	91.4	83.1	103

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoA
Lab Sample ID	Client Sample ID	(40-215)	(40-275)	(40-130)	(20-130)	(15-130)	(10-130)	(10-130)	(40-130)
480-232680-1	Comp-20250917	96.8	123	99.6	71.8	63.3	73.3	75.9	92.3
LCS 410-702241/2-A	Lab Control Sample	89.8	117	75.6	63.3	53.2	63.5	63.9	77.2
LLCS 410-702241/3-A	Lab Control Sample	106	146	97.0	93.4	78.5	78.7	78.5	96.9
MB 410-702241/1-A	Method Blank	111	143	97.8	68.2	55.2	67.8	71.6	88.9

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoA = 13C2 PFDoA

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-757225/2-A
Matrix: Solid
Analysis Batch: 757227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757225

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
2-Hexanone	ND		25	2.5	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Acetone	ND		25	4.2	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Benzene	ND		5.0	0.25	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Bromoform	ND		5.0	2.5	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Bromomethane	ND		5.0	0.45	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Chloroethane	ND		5.0	1.1	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Chloroform	0.632	J	5.0	0.31	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Chloromethane	ND		5.0	0.30	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Cyclohexane	ND		5.0	0.70	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Methyl acetate	ND		25	3.0	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Styrene	ND		5.0	0.25	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Toluene	ND		5.0	0.38	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Trichloroethene	ND		5.0	1.1	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		09/17/25 17:32	09/17/25 21:00	1
Xylenes, Total	ND		10	0.84	ug/Kg		09/17/25 17:32	09/17/25 21:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-757225/2-A
Matrix: Solid
Analysis Batch: 757227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757225

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	09/17/25 17:32	09/17/25 21:00	1
4-Bromofluorobenzene (Surr)	93		72 - 126	09/17/25 17:32	09/17/25 21:00	1
Dibromofluoromethane (Surr)	97		60 - 140	09/17/25 17:32	09/17/25 21:00	1
Toluene-d8 (Surr)	97		71 - 125	09/17/25 17:32	09/17/25 21:00	1

Lab Sample ID: LCS 480-757225/1-A
Matrix: Solid
Analysis Batch: 757227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	44.1		ug/Kg		88	77 - 121
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/Kg		99	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.0		ug/Kg		98	60 - 140
1,1,2-Trichloroethane	50.0	46.8		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	48.7		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	47.0		ug/Kg		94	59 - 125
1,2,4-Trichlorobenzene	50.0	45.5		ug/Kg		91	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	43.9		ug/Kg		88	78 - 120
1,2-Dichlorobenzene	50.0	45.6		ug/Kg		91	75 - 120
1,2-Dichloroethane	50.0	44.0		ug/Kg		88	77 - 122
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	75 - 124
1,3-Dichlorobenzene	50.0	46.4		ug/Kg		93	74 - 120
1,4-Dichlorobenzene	50.0	45.4		ug/Kg		91	73 - 120
2-Butanone (MEK)	250	247		ug/Kg		99	70 - 134
2-Hexanone	250	234		ug/Kg		94	59 - 130
4-Methyl-2-pentanone (MIBK)	250	233		ug/Kg		93	65 - 133
Acetone	250	230		ug/Kg		92	61 - 137
Benzene	50.0	49.2		ug/Kg		98	79 - 127
Bromodichloromethane	50.0	47.0		ug/Kg		94	80 - 122
Bromoform	50.0	45.9		ug/Kg		92	68 - 126
Bromomethane	50.0	45.3		ug/Kg		91	37 - 149
Carbon disulfide	50.0	50.1		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	42.9		ug/Kg		86	75 - 135
Chlorobenzene	50.0	44.9		ug/Kg		90	76 - 124
Chloroethane	50.0	47.9		ug/Kg		96	69 - 135
Chloroform	50.0	44.9		ug/Kg		90	80 - 120
Chloromethane	50.0	48.7		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	81 - 120
cis-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	80 - 120
Cyclohexane	50.0	53.8		ug/Kg		108	65 - 120
Dibromochloromethane	50.0	46.9		ug/Kg		94	76 - 125
Dichlorodifluoromethane	50.0	44.3		ug/Kg		89	57 - 142
Ethylbenzene	50.0	46.8		ug/Kg		94	80 - 120
Isopropylbenzene	50.0	50.3		ug/Kg		101	72 - 120
Methyl acetate	100	100		ug/Kg		100	55 - 136
Methyl tert-butyl ether	50.0	46.1		ug/Kg		92	63 - 125
Methylcyclohexane	50.0	47.5		ug/Kg		95	60 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-757225/1-A
Matrix: Solid
Analysis Batch: 757227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757225

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	50.0	51.6		ug/Kg		103	61 - 127
Styrene	50.0	45.5		ug/Kg		91	80 - 120
Tetrachloroethene	50.0	44.6		ug/Kg		89	74 - 122
Toluene	50.0	46.5		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	47.1		ug/Kg		94	78 - 126
trans-1,3-Dichloropropene	50.0	44.5		ug/Kg		89	73 - 123
Trichloroethene	50.0	46.0		ug/Kg		92	77 - 129
Trichlorofluoromethane	50.0	45.2		ug/Kg		90	65 - 146
Vinyl chloride	50.0	49.0		ug/Kg		98	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*
Dibromofluoromethane (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*98*		*71 - 125*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-757387/1-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		100	37	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,4,5-Trichlorophenol	ND		170	34	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,4,6-Trichlorophenol	ND		170	26	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,4-Dichlorophenol	ND		170	33	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,4-Dimethylphenol	ND		170	36	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,4-Dinitrophenol	ND		1700	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,4-Dinitrotoluene	ND		170	23	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2,6-Dinitrotoluene	ND		170	24	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2-Chloronaphthalene	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2-Chlorophenol	ND		170	27	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2-Methylnaphthalene	ND		170	27	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2-Methylphenol	ND		170	27	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2-Nitroaniline	ND		330	29	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
2-Nitrophenol	ND		170	19	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
3,3'-Dichlorobenzidine	ND		330	50	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
3-Nitroaniline	ND		330	24	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4,6-Dinitro-2-methylphenol	ND		330	37	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Bromophenyl phenyl ether	ND		170	29	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Chloro-3-methylphenol	ND		170	35	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Chloroaniline	ND		170	24	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Chlorophenyl phenyl ether	ND		170	36	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Methylphenol	ND		330	30	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Nitroaniline	ND		330	25	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
4-Nitrophenol	ND		330	46	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Acenaphthene	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Acenaphthylene	ND		170	33	ug/Kg		09/19/25 08:23	09/22/25 13:08	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-757387/1-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		170	30	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Anthracene	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Atrazine	ND		170	57	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Benzaldehyde	ND		170	130	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Benzo[a]anthracene	ND		170	23	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Benzo[a]pyrene	ND		170	29	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Benzo[b]fluoranthene	ND		170	23	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Benzo[g,h,i]perylene	ND		170	30	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Benzo[k]fluoranthene	ND		170	38	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Biphenyl	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
bis (2-chloroisopropyl) ether	ND		170	35	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Bis(2-chloroethoxy)methane	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Bis(2-chloroethyl)ether	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Bis(2-ethylhexyl) phthalate	ND		170	37	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Butyl benzyl phthalate	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Caprolactam	ND		170	39	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Carbazole	ND		170	33	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Chrysene	ND		170	41	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Dibenz(a,h)anthracene	ND		170	34	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Dibenzofuran	ND		170	30	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Diethyl phthalate	ND		170	30	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Dimethyl phthalate	ND		170	33	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Di-n-butyl phthalate	ND		170	38	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Di-n-octyl phthalate	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Fluoranthene	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Fluorene	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Hexachlorobenzene	ND		170	33	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Hexachlorobutadiene	ND		170	25	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Hexachlorocyclopentadiene	ND		330	74	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Hexachloroethane	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Indeno[1,2,3-cd]pyrene	ND		170	25	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Isophorone	ND		170	35	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Naphthalene	ND		170	28	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Nitrobenzene	ND		170	28	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
N-Nitrosodi-n-propylamine	ND		170	38	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
N-Nitrosodiphenylamine	ND		170	28	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Pentachlorophenol	ND		330	54	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Phenanthrene	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Phenol	ND		170	31	ug/Kg		09/19/25 08:23	09/22/25 13:08	1
Pyrene	ND		170	32	ug/Kg		09/19/25 08:23	09/22/25 13:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*75*		*22 - 120*	*09/19/25 08:23*	*09/22/25 13:08*	*1*
p-Terphenyl-d14	*86*		*28 - 124*	*09/19/25 08:23*	*09/22/25 13:08*	*1*
Phenol-d5	*64*		*23 - 120*	*09/19/25 08:23*	*09/22/25 13:08*	*1*
2-Fluorophenol	*62*		*18 - 120*	*09/19/25 08:23*	*09/22/25 13:08*	*1*
2,4,6-Tribromophenol	*107*		*10 - 140*	*09/19/25 08:23*	*09/22/25 13:08*	*1*
2-Fluorobiphenyl	*76*		*29 - 120*	*09/19/25 08:23*	*09/22/25 13:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-757387/2-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	2670	863		ug/Kg		32	22 - 120
2,4,5-Trichlorophenol	2670	2010		ug/Kg		75	52 - 120
2,4,6-Trichlorophenol	2670	2090		ug/Kg		78	51 - 120
2,4-Dichlorophenol	2670	1860		ug/Kg		70	44 - 120
2,4-Dimethylphenol	2670	1980		ug/Kg		74	48 - 120
2,4-Dinitrophenol	5330	3680		ug/Kg		69	28 - 120
2,4-Dinitrotoluene	2670	2100		ug/Kg		79	55 - 125
2,6-Dinitrotoluene	2670	2070		ug/Kg		78	51 - 125
2-Chloronaphthalene	2670	1800		ug/Kg		67	46 - 120
2-Chlorophenol	2670	1720		ug/Kg		64	40 - 120
2-Methylnaphthalene	2670	1890		ug/Kg		71	45 - 120
2-Methylphenol	2670	1670		ug/Kg		63	41 - 120
2-Nitroaniline	2670	1900		ug/Kg		71	51 - 125
2-Nitrophenol	2670	1760		ug/Kg		66	43 - 120
3,3'-Dichlorobenzidine	2670	1910		ug/Kg		72	10 - 120
3-Nitroaniline	2670	1720		ug/Kg		65	33 - 120
4,6-Dinitro-2-methylphenol	5330	4150		ug/Kg		78	49 - 126
4-Bromophenyl phenyl ether	2670	2440		ug/Kg		91	55 - 123
4-Chloro-3-methylphenol	2670	1970		ug/Kg		74	54 - 120
4-Chloroaniline	2670	1670		ug/Kg		63	20 - 120
4-Chlorophenyl phenyl ether	2670	2130		ug/Kg		80	54 - 120
4-Methylphenol	2670	1720		ug/Kg		65	43 - 120
4-Nitroaniline	2670	1850		ug/Kg		69	54 - 120
4-Nitrophenol	5330	4840		ug/Kg		91	47 - 120
Acenaphthene	2670	1900		ug/Kg		71	49 - 121
Acenaphthylene	2670	1870		ug/Kg		70	49 - 120
Acetophenone	2670	1800		ug/Kg		68	39 - 120
Anthracene	2670	1950		ug/Kg		73	57 - 120
Atrazine	2670	1720		ug/Kg		64	44 - 120
Benzaldehyde	2670	1080		ug/Kg		40	10 - 120
Benzo[a]anthracene	2670	1840		ug/Kg		69	58 - 120
Benzo[a]pyrene	2670	1940		ug/Kg		73	59 - 122
Benzo[b]fluoranthene	2670	1970		ug/Kg		74	56 - 120
Benzo[g,h,i]perylene	2670	2040		ug/Kg		76	56 - 132
Benzo[k]fluoranthene	2670	1920		ug/Kg		72	59 - 127
Biphenyl	2670	1830		ug/Kg		69	47 - 120
bis (2-chloroisopropyl) ether	2670	919		ug/Kg		34	31 - 120
Bis(2-chloroethoxy)methane	2670	1520		ug/Kg		57	42 - 120
Bis(2-chloroethyl)ether	2670	1360		ug/Kg		51	34 - 120
Bis(2-ethylhexyl) phthalate	2670	1790		ug/Kg		67	49 - 130
Butyl benzyl phthalate	2670	1740		ug/Kg		65	50 - 122
Caprolactam	2670	1110		ug/Kg		42	10 - 120
Carbazole	2670	1990		ug/Kg		75	58 - 124
Chrysene	2670	1930		ug/Kg		72	57 - 120
Dibenz(a,h)anthracene	2670	2080		ug/Kg		78	53 - 124
Dibenzofuran	2670	1920		ug/Kg		72	53 - 120
Diethyl phthalate	2670	2200		ug/Kg		82	54 - 120
Dimethyl phthalate	2670	2090		ug/Kg		79	53 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-757387/2-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757387

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Di-n-butyl phthalate			2670	2060		ug/Kg		77	49 - 120		
Di-n-octyl phthalate			2670	1630		ug/Kg		61	42 - 125		
Fluoranthene			2670	2110		ug/Kg		79	57 - 121		
Fluorene			2670	2040		ug/Kg		77	55 - 121		
Hexachlorobenzene			2670	2440		ug/Kg		91	56 - 120		
Hexachlorobutadiene			2670	2250		ug/Kg		84	40 - 120		
Hexachlorocyclopentadiene			2670	1870		ug/Kg		70	30 - 125		
Hexachloroethane			2670	1760		ug/Kg		66	34 - 120		
Indeno[1,2,3-cd]pyrene			2670	2070		ug/Kg		77	53 - 125		
Isophorone			2670	1650		ug/Kg		62	46 - 120		
Naphthalene			2670	1720		ug/Kg		65	43 - 120		
Nitrobenzene			2670	1660		ug/Kg		62	40 - 120		
N-Nitrosodi-n-propylamine			2670	1690		ug/Kg		63	41 - 120		
Pentachlorophenol			5330	4800		ug/Kg		90	10 - 124		
Phenanthrene			2670	1950		ug/Kg		73	57 - 120		
Phenol			2670	1600		ug/Kg		60	37 - 120		
Pyrene			2670	1730		ug/Kg		65	59 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*68*		*22 - 120*
p-Terphenyl-d14	*75*		*28 - 124*
Phenol-d5	*62*		*23 - 120*
2-Fluorophenol	*55*		*18 - 120*
2,4,6-Tribromophenol	*102*		*10 - 140*
2-Fluorobiphenyl	*72*		*29 - 120*

Lab Sample ID: LCSD 480-757387/3-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 757387

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			2670	1070		ug/Kg		40	22 - 120	22	50
2,4,5-Trichlorophenol			2670	2490	*1	ug/Kg		93	52 - 120	21	18
2,4,6-Trichlorophenol			2670	2350		ug/Kg		88	51 - 120	12	19
2,4-Dichlorophenol			2670	2190		ug/Kg		82	44 - 120	16	19
2,4-Dimethylphenol			2670	2270		ug/Kg		85	48 - 120	14	42
2,4-Dinitrophenol			5330	4190		ug/Kg		79	28 - 120	13	22
2,4-Dinitrotoluene			2670	2330		ug/Kg		87	55 - 125	11	20
2,6-Dinitrotoluene			2670	2440	*1	ug/Kg		91	51 - 125	16	15
2-Chloronaphthalene			2670	2200		ug/Kg		82	46 - 120	20	21
2-Chlorophenol			2670	2060		ug/Kg		77	40 - 120	18	25
2-Methylnaphthalene			2670	2230		ug/Kg		84	45 - 120	16	21
2-Methylphenol			2670	2110		ug/Kg		79	41 - 120	23	27
2-Nitroaniline			2670	2170		ug/Kg		81	51 - 125	14	15
2-Nitrophenol			2670	2170	*1	ug/Kg		82	43 - 120	21	18
3,3'-Dichlorobenzidine			2670	2410		ug/Kg		90	10 - 120	23	25
3-Nitroaniline			2670	2100	*1	ug/Kg		79	33 - 120	20	19
4,6-Dinitro-2-methylphenol			5330	4930	*1	ug/Kg		93	49 - 126	17	15

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-757387/3-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Bromophenyl phenyl ether	2670	2860	*1	ug/Kg		107	55 - 123	16	15
4-Chloro-3-methylphenol	2670	2420		ug/Kg		91	54 - 120	20	27
4-Chloroaniline	2670	1970		ug/Kg		74	20 - 120	16	22
4-Chlorophenyl phenyl ether	2670	2610	*1	ug/Kg		98	54 - 120	20	16
4-Methylphenol	2670	2130		ug/Kg		80	43 - 120	21	24
4-Nitroaniline	2670	2240		ug/Kg		84	54 - 120	19	24
4-Nitrophenol	5330	5840		ug/Kg		110	47 - 120	19	25
Acenaphthene	2670	2310		ug/Kg		87	49 - 121	19	35
Acenaphthylene	2670	2200		ug/Kg		83	49 - 120	16	18
Acetophenone	2670	2150		ug/Kg		81	39 - 120	17	20
Anthracene	2670	2340	*1	ug/Kg		88	57 - 120	18	15
Atrazine	2670	2010		ug/Kg		75	44 - 120	15	20
Benzaldehyde	2670	1430	*1	ug/Kg		53	10 - 120	28	20
Benzo[a]anthracene	2670	2240	*1	ug/Kg		84	58 - 120	20	15
Benzo[a]pyrene	2670	2330	*1	ug/Kg		87	59 - 122	19	15
Benzo[b]fluoranthene	2670	2340	*1	ug/Kg		88	56 - 120	17	15
Benzo[g,h,i]perylene	2670	2480	*1	ug/Kg		93	56 - 132	20	15
Benzo[k]fluoranthene	2670	2390		ug/Kg		90	59 - 127	22	22
Biphenyl	2670	2260	*1	ug/Kg		85	47 - 120	21	20
bis (2-chloroisopropyl) ether	2670	1160		ug/Kg		43	31 - 120	23	24
Bis(2-chloroethoxy)methane	2670	1800		ug/Kg		68	42 - 120	17	17
Bis(2-chloroethyl)ether	2670	1790	*1	ug/Kg		67	34 - 120	28	21
Bis(2-ethylhexyl) phthalate	2670	2130	*1	ug/Kg		80	49 - 130	18	15
Butyl benzyl phthalate	2670	2100	*1	ug/Kg		79	50 - 122	18	16
Caprolactam	2670	1320		ug/Kg		50	10 - 120	18	20
Carbazole	2670	2390		ug/Kg		89	58 - 124	18	20
Chrysene	2670	2300	*1	ug/Kg		86	57 - 120	18	15
Dibenz(a,h)anthracene	2670	2560	*1	ug/Kg		96	53 - 124	21	15
Dibenzofuran	2670	2350	*1	ug/Kg		88	53 - 120	20	15
Diethyl phthalate	2670	2550		ug/Kg		96	54 - 120	15	15
Dimethyl phthalate	2670	2420		ug/Kg		91	53 - 120	14	15
Di-n-butyl phthalate	2670	2450	*1	ug/Kg		92	49 - 120	17	15
Di-n-octyl phthalate	2670	2030	*1	ug/Kg		76	42 - 125	22	16
Fluoranthene	2670	2560	*1	ug/Kg		96	57 - 121	19	15
Fluorene	2670	2360		ug/Kg		89	55 - 121	15	15
Hexachlorobenzene	2670	2950	*1	ug/Kg		111	56 - 120	19	15
Hexachlorobutadiene	2670	2610		ug/Kg		98	40 - 120	15	44
Hexachlorocyclopentadiene	2670	2230		ug/Kg		84	30 - 125	18	49
Hexachloroethane	2670	2160		ug/Kg		81	34 - 120	20	46
Indeno[1,2,3-cd]pyrene	2670	2600	*1	ug/Kg		97	53 - 125	23	15
Isophorone	2670	1940		ug/Kg		73	46 - 120	16	17
Naphthalene	2670	2120		ug/Kg		79	43 - 120	20	29
Nitrobenzene	2670	2070		ug/Kg		78	40 - 120	22	24
N-Nitrosodi-n-propylamine	2670	2010		ug/Kg		75	41 - 120	17	31
Pentachlorophenol	5330	5530		ug/Kg		104	10 - 124	14	35
Phenanthrene	2670	2320	*1	ug/Kg		87	57 - 120	17	15
Phenol	2670	1850		ug/Kg		69	37 - 120	14	35
Pyrene	2670	2110		ug/Kg		79	59 - 125	20	35

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-757387/3-A
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 757387

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*81*		*22 - 120*
p-Terphenyl-d14	*91*		*28 - 124*
Phenol-d5	*76*		*23 - 120*
2-Fluorophenol	*67*		*18 - 120*
2,4,6-Tribromophenol	*123*		*10 - 140*
2-Fluorobiphenyl	*85*		*29 - 120*

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	ND		2790	1020		ug/Kg	☼	37	13 - 120
2,4,5-Trichlorophenol	ND	*1	2790	2320		ug/Kg	☼	83	46 - 120
2,4,6-Trichlorophenol	ND		2790	2420		ug/Kg	☼	87	41 - 123
2,4-Dichlorophenol	ND		2790	2270		ug/Kg	☼	81	45 - 120
2,4-Dimethylphenol	ND		2790	1730		ug/Kg	☼	62	52 - 120
2,4-Dinitrophenol	ND	F1	5590	1570	J F1	ug/Kg	☼	28	41 - 146
2,4-Dinitrotoluene	ND		2790	2490		ug/Kg	☼	89	63 - 125
2,6-Dinitrotoluene	ND	*1	2790	2450		ug/Kg	☼	88	66 - 120
2-Chloronaphthalene	ND		2790	2160		ug/Kg	☼	77	57 - 120
2-Chlorophenol	ND		2790	1970		ug/Kg	☼	71	43 - 120
2-Methylnaphthalene	ND		2790	2360		ug/Kg	☼	84	55 - 120
2-Methylphenol	ND		2790	2050		ug/Kg	☼	74	48 - 120
2-Nitroaniline	ND		2790	2310		ug/Kg	☼	83	61 - 120
2-Nitrophenol	ND	*1	2790	2040		ug/Kg	☼	73	37 - 120
3,3'-Dichlorobenzidine	ND		2790	2260		ug/Kg	☼	81	37 - 126
3-Nitroaniline	ND	*1	2790	2080		ug/Kg	☼	74	48 - 120
4,6-Dinitro-2-methylphenol	ND	*1	5590	3550		ug/Kg	☼	63	23 - 149
4-Bromophenyl phenyl ether	ND	*1	2790	2920		ug/Kg	☼	105	58 - 120
4-Chloro-3-methylphenol	ND		2790	2360		ug/Kg	☼	85	49 - 125
4-Chloroaniline	ND		2790	1910		ug/Kg	☼	68	38 - 120
4-Chlorophenyl phenyl ether	ND	*1	2790	2610		ug/Kg	☼	93	63 - 124
4-Methylphenol	ND		2790	2070		ug/Kg	☼	74	50 - 120
4-Nitroaniline	ND		2790	2180		ug/Kg	☼	78	47 - 120
4-Nitrophenol	ND		5590	5670		ug/Kg	☼	102	31 - 147
Acenaphthene	ND		2790	2300		ug/Kg	☼	82	60 - 120
Acenaphthylene	ND		2790	2240		ug/Kg	☼	80	58 - 121
Acetophenone	ND		2790	2280		ug/Kg	☼	82	47 - 120
Anthracene	ND	*1	2790	2290		ug/Kg	☼	82	62 - 120
Atrazine	ND		2790	1990		ug/Kg	☼	71	60 - 150
Benzaldehyde	ND	*1	2790	1310		ug/Kg	☼	47	10 - 150
Benzo[a]anthracene	ND	*1	2790	2220		ug/Kg	☼	79	65 - 120
Benzo[a]pyrene	ND	*1	2790	2280		ug/Kg	☼	82	64 - 120
Benzo[b]fluoranthene	ND	*1	2790	2210		ug/Kg	☼	79	10 - 150
Benzo[g,h,i]perylene	ND	*1	2790	2410		ug/Kg	☼	86	45 - 145
Benzo[k]fluoranthene	ND		2790	2330		ug/Kg	☼	83	23 - 150
Biphenyl	ND	*1	2790	2200		ug/Kg	☼	79	58 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	ND		2790	1150		ug/Kg	☼	41	31 - 120
Bis(2-chloroethoxy)methane	ND		2790	1950		ug/Kg	☼	70	52 - 120
Bis(2-chloroethyl)ether	ND	*1	2790	1690		ug/Kg	☼	60	45 - 120
Bis(2-ethylhexyl) phthalate	ND	*1	2790	2040		ug/Kg	☼	73	61 - 133
Butyl benzyl phthalate	ND	*1	2790	2020		ug/Kg	☼	72	61 - 120
Caprolactam	ND		2790	1260		ug/Kg	☼	45	37 - 133
Carbazole	ND		2790	2360		ug/Kg	☼	84	59 - 120
Chrysene	ND	*1	2790	2260		ug/Kg	☼	81	64 - 120
Dibenz(a,h)anthracene	ND	*1	2790	2460		ug/Kg	☼	88	54 - 132
Dibenzofuran	ND	*1	2790	2400		ug/Kg	☼	86	62 - 120
Diethyl phthalate	ND		2790	2570		ug/Kg	☼	92	66 - 120
Dimethyl phthalate	ND		2790	2410		ug/Kg	☼	86	65 - 124
Di-n-butyl phthalate	ND	*1	2790	2420		ug/Kg	☼	87	58 - 130
Di-n-octyl phthalate	ND	*1	2790	1960		ug/Kg	☼	70	57 - 133
Fluoranthene	ND	*1	2790	2500		ug/Kg	☼	90	62 - 120
Fluorene	ND		2790	2430		ug/Kg	☼	87	63 - 120
Hexachlorobenzene	ND	*1	2790	3030		ug/Kg	☼	108	60 - 120
Hexachlorobutadiene	ND		2790	2710		ug/Kg	☼	97	45 - 120
Hexachlorocyclopentadiene	ND		2790	2180		ug/Kg	☼	78	31 - 120
Hexachloroethane	ND		2790	2010		ug/Kg	☼	72	21 - 120
Indeno[1,2,3-cd]pyrene	ND	*1	2790	2440		ug/Kg	☼	87	56 - 134
Isophorone	ND		2790	2040		ug/Kg	☼	73	56 - 120
Naphthalene	ND		2790	2150		ug/Kg	☼	77	46 - 120
Nitrobenzene	ND		2790	2010		ug/Kg	☼	72	49 - 120
N-Nitrosodi-n-propylamine	ND		2790	2000		ug/Kg	☼	71	46 - 120
Pentachlorophenol	ND		5590	4200		ug/Kg	☼	75	10 - 136
Phenanthrene	ND	*1	2790	2350		ug/Kg	☼	84	60 - 122
Phenol	ND		2790	1900		ug/Kg	☼	68	50 - 120
Pyrene	ND		2790	2040		ug/Kg	☼	73	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*80*		*22 - 120*
p-Terphenyl-d14	*86*		*28 - 124*
Phenol-d5	*73*		*23 - 120*
2-Fluorophenol	*62*		*18 - 120*
2,4,6-Tribromophenol	*114*		*10 - 140*
2-Fluorobiphenyl	*84*		*29 - 120*

Lab Sample ID: 480-232680-1 MSD
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	ND		2780	1060		ug/Kg	☼	38	13 - 120	4	50
2,4,5-Trichlorophenol	ND	*1	2780	2380		ug/Kg	☼	86	46 - 120	3	18
2,4,6-Trichlorophenol	ND		2780	2340		ug/Kg	☼	84	41 - 123	4	19
2,4-Dichlorophenol	ND		2780	2140		ug/Kg	☼	77	45 - 120	6	19
2,4-Dimethylphenol	ND		2780	1630		ug/Kg	☼	59	52 - 120	6	42

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-232680-1 MSD
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrophenol	ND	F1	5560	1770	F1	ug/Kg	☼	32	41 - 146	12	22
2,4-Dinitrotoluene	ND		2780	2500		ug/Kg	☼	90	63 - 125	1	20
2,6-Dinitrotoluene	ND	*1	2780	2450		ug/Kg	☼	88	66 - 120	0	15
2-Chloronaphthalene	ND		2780	2210		ug/Kg	☼	80	57 - 120	2	21
2-Chlorophenol	ND		2780	2050		ug/Kg	☼	74	43 - 120	4	25
2-Methylnaphthalene	ND		2780	2290		ug/Kg	☼	82	55 - 120	3	21
2-Methylphenol	ND		2780	1940		ug/Kg	☼	70	48 - 120	6	27
2-Nitroaniline	ND		2780	2260		ug/Kg	☼	81	61 - 120	2	15
2-Nitrophenol	ND	*1	2780	2150		ug/Kg	☼	77	37 - 120	5	18
3,3'-Dichlorobenzidine	ND		2780	2220		ug/Kg	☼	80	37 - 126	2	25
3-Nitroaniline	ND	*1	2780	2220		ug/Kg	☼	80	48 - 120	7	19
4,6-Dinitro-2-methylphenol	ND	*1	5560	4000		ug/Kg	☼	72	23 - 149	12	15
4-Bromophenyl phenyl ether	ND	*1	2780	2840		ug/Kg	☼	102	58 - 120	3	15
4-Chloro-3-methylphenol	ND		2780	2290		ug/Kg	☼	83	49 - 125	3	27
4-Chloroaniline	ND		2780	2000		ug/Kg	☼	72	38 - 120	5	22
4-Chlorophenyl phenyl ether	ND	*1	2780	2500		ug/Kg	☼	90	63 - 124	4	16
4-Methylphenol	ND		2780	2000		ug/Kg	☼	72	50 - 120	3	24
4-Nitroaniline	ND		2780	2240		ug/Kg	☼	81	47 - 120	3	24
4-Nitrophenol	ND		5560	5850		ug/Kg	☼	105	31 - 147	3	25
Acenaphthene	ND		2780	2330		ug/Kg	☼	84	60 - 120	2	35
Acenaphthylene	ND		2780	2330		ug/Kg	☼	84	58 - 121	4	18
Acetophenone	ND		2780	2320		ug/Kg	☼	83	47 - 120	2	20
Anthracene	ND	*1	2780	2380		ug/Kg	☼	85	62 - 120	4	15
Atrazine	ND		2780	2130		ug/Kg	☼	76	60 - 150	7	20
Benzaldehyde	ND	*1	2780	1410		ug/Kg	☼	51	10 - 150	8	20
Benzo[a]anthracene	ND	*1	2780	2300		ug/Kg	☼	83	65 - 120	4	15
Benzo[a]pyrene	ND	*1	2780	2450		ug/Kg	☼	88	64 - 120	7	15
Benzo[b]fluoranthene	ND	*1	2780	2440		ug/Kg	☼	88	10 - 150	10	15
Benzo[g,h,i]perylene	ND	*1	2780	2550		ug/Kg	☼	92	45 - 145	5	15
Benzo[k]fluoranthene	ND		2780	2500		ug/Kg	☼	90	23 - 150	7	22
Biphenyl	ND	*1	2780	2270		ug/Kg	☼	82	58 - 120	4	20
bis (2-chloroisopropyl) ether	ND		2780	1170		ug/Kg	☼	42	31 - 120	2	24
Bis(2-chloroethoxy)methane	ND		2780	1950		ug/Kg	☼	70	52 - 120	0	17
Bis(2-chloroethyl)ether	ND	*1	2780	1820		ug/Kg	☼	65	45 - 120	8	21
Bis(2-ethylhexyl) phthalate	ND	*1	2780	2200		ug/Kg	☼	79	61 - 133	8	15
Butyl benzyl phthalate	ND	*1	2780	2240		ug/Kg	☼	81	61 - 120	11	16
Caprolactam	ND		2780	1400		ug/Kg	☼	50	37 - 133	10	20
Carbazole	ND		2780	2410		ug/Kg	☼	87	59 - 120	2	20
Chrysene	ND	*1	2780	2390		ug/Kg	☼	86	64 - 120	6	15
Dibenz(a,h)anthracene	ND	*1	2780	2600		ug/Kg	☼	94	54 - 132	5	15
Dibenzofuran	ND	*1	2780	2320		ug/Kg	☼	83	62 - 120	4	15
Diethyl phthalate	ND		2780	2650		ug/Kg	☼	95	66 - 120	3	15
Dimethyl phthalate	ND		2780	2470		ug/Kg	☼	89	65 - 124	3	15
Di-n-butyl phthalate	ND	*1	2780	2540		ug/Kg	☼	91	58 - 130	5	15
Di-n-octyl phthalate	ND	*1	2780	2110		ug/Kg	☼	76	57 - 133	8	16
Fluoranthene	ND	*1	2780	2570		ug/Kg	☼	93	62 - 120	3	15
Fluorene	ND		2780	2410		ug/Kg	☼	87	63 - 120	1	15
Hexachlorobenzene	ND	*1	2780	3130		ug/Kg	☼	112	60 - 120	3	15
Hexachlorobutadiene	ND		2780	2660		ug/Kg	☼	96	45 - 120	2	44

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-232680-1 MSD
Matrix: Solid
Analysis Batch: 757599

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexachlorocyclopentadiene	ND		2780	2320		ug/Kg	☼	84	31 - 120	6	49
Hexachloroethane	ND		2780	2150		ug/Kg	☼	77	21 - 120	7	46
Indeno[1,2,3-cd]pyrene	ND	*1	2780	2640		ug/Kg	☼	95	56 - 134	8	15
Isophorone	ND		2780	2030		ug/Kg	☼	73	56 - 120	1	17
Naphthalene	ND		2780	2220		ug/Kg	☼	80	46 - 120	3	29
Nitrobenzene	ND		2780	2000		ug/Kg	☼	72	49 - 120	0	24
N-Nitrosodi-n-propylamine	ND		2780	2180		ug/Kg	☼	78	46 - 120	9	31
Pentachlorophenol	ND		5560	4840		ug/Kg	☼	87	10 - 136	14	35
Phenanthrene	ND	*1	2780	2410		ug/Kg	☼	87	60 - 122	3	15
Phenol	ND		2780	1840		ug/Kg	☼	66	50 - 120	3	35
Pyrene	ND		2780	2180		ug/Kg	☼	78	61 - 133	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*81*		*22 - 120*
p-Terphenyl-d14	*91*		*28 - 124*
Phenol-d5	*74*		*23 - 120*
2-Fluorophenol	*66*		*18 - 120*
2,4,6-Tribromophenol	*115*		*10 - 140*
2-Fluorobiphenyl	*84*		*29 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-757252/1-A
Matrix: Solid
Analysis Batch: 757298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.3	0.65	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
4,4'-DDE	ND		3.3	0.70	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
4,4'-DDT	ND		3.3	0.78	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Aldrin	ND		3.3	0.82	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
alpha-BHC	ND		3.3	0.60	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
cis-Chlordane	ND		3.3	1.7	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
beta-BHC	ND		3.3	0.60	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
delta-BHC	0.843	J	3.3	0.62	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Dieldrin	ND		3.3	0.80	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Endosulfan I	ND		3.3	0.64	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Endosulfan II	ND		3.3	0.60	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Endosulfan sulfate	ND		3.3	0.62	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Endrin	ND		3.3	0.66	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Endrin aldehyde	ND		3.3	0.85	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Endrin ketone	ND		3.3	0.82	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
gamma-BHC (Lindane)	ND		3.3	0.61	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
trans-Chlordane	ND		3.3	1.1	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Heptachlor	ND		3.3	0.72	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Heptachlor epoxide	ND		3.3	0.86	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Methoxychlor	ND		3.3	0.68	ug/Kg		09/18/25 07:52	09/18/25 14:29	1
Toxaphene	ND		33	19	ug/Kg		09/18/25 07:52	09/18/25 14:29	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-757252/1-A
Matrix: Solid
Analysis Batch: 757298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757252

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		45 - 120	09/18/25 07:52	09/18/25 14:29	1
Tetrachloro-m-xylene	77		30 - 124	09/18/25 07:52	09/18/25 14:29	1

Lab Sample ID: LCS 480-757252/2-A
Matrix: Solid
Analysis Batch: 757298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757252

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			33.3	24.4		ug/Kg		73	56 - 120		
4,4'-DDE			33.3	22.3		ug/Kg		67	44 - 120		
4,4'-DDT			33.3	21.9		ug/Kg		66	38 - 120		
Aldrin			33.3	20.5		ug/Kg		61	38 - 120		
alpha-BHC			33.3	20.4		ug/Kg		61	39 - 120		
cis-Chlordane			33.3	22.4		ug/Kg		67	47 - 120		
beta-BHC			33.3	23.2		ug/Kg		70	40 - 120		
delta-BHC			33.3	23.6		ug/Kg		71	45 - 120		
Dieldrin			33.3	23.8		ug/Kg		71	58 - 120		
Endosulfan I			33.3	23.8		ug/Kg		72	49 - 120		
Endosulfan II			33.3	24.4		ug/Kg		73	55 - 120		
Endosulfan sulfate			33.3	23.7		ug/Kg		71	49 - 124		
Endrin			33.3	24.3		ug/Kg		73	58 - 120		
Endrin aldehyde			33.3	18.2		ug/Kg		55	37 - 121		
Endrin ketone			33.3	23.5		ug/Kg		70	46 - 123		
gamma-BHC (Lindane)			33.3	21.6		ug/Kg		65	50 - 120		
trans-Chlordane			33.3	23.1		ug/Kg		69	48 - 120		
Heptachlor			33.3	22.9		ug/Kg		69	50 - 120		
Heptachlor epoxide			33.3	23.9		ug/Kg		72	50 - 120		
Methoxychlor			33.3	22.5		ug/Kg		67	58 - 133		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	82		45 - 120
Tetrachloro-m-xylene	62		30 - 124

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757298

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD	ND		34.9	27.8		ug/Kg	☼	80	37 - 126		
4,4'-DDE	ND		34.9	25.6		ug/Kg	☼	73	34 - 120		
4,4'-DDT	ND		34.9	26.3		ug/Kg	☼	75	43 - 123		
Aldrin	ND		34.9	26.0		ug/Kg	☼	74	37 - 125		
alpha-BHC	ND		34.9	23.3		ug/Kg	☼	67	39 - 120		
cis-Chlordane	ND		34.9	26.3		ug/Kg	☼	75	35 - 120		
beta-BHC	ND		34.9	25.9		ug/Kg	☼	74	36 - 120		
delta-BHC	1.0	J B	34.9	27.1		ug/Kg	☼	75	34 - 120		
Dieldrin	ND		34.9	27.5		ug/Kg	☼	79	45 - 120		
Endosulfan I	ND		34.9	27.4		ug/Kg	☼	79	39 - 120		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757298

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757252

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Endosulfan II	ND		34.9	27.8		ug/Kg	☼	79	34 - 126
Endosulfan sulfate	ND		34.9	26.7		ug/Kg	☼	76	27 - 130
Endrin	ND		34.9	27.8		ug/Kg	☼	80	47 - 121
Endrin aldehyde	ND		34.9	20.3		ug/Kg	☼	58	33 - 123
Endrin ketone	ND		34.9	25.8		ug/Kg	☼	74	43 - 126
gamma-BHC (Lindane)	ND		34.9	25.0		ug/Kg	☼	72	50 - 120
trans-Chlordane	ND		34.9	27.4		ug/Kg	☼	79	31 - 120
Heptachlor	ND		34.9	26.1		ug/Kg	☼	75	42 - 120
Heptachlor epoxide	ND		34.9	27.3		ug/Kg	☼	78	40 - 120
Methoxychlor	ND		34.9	25.7		ug/Kg	☼	74	44 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*90*		*45 - 120*
Tetrachloro-m-xylene	*82*		*30 - 124*

Lab Sample ID: 480-232680-1 MSD
Matrix: Solid
Analysis Batch: 757298

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757252

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	ND		34.5	28.5		ug/Kg	☼	83	37 - 126	2	21
4,4'-DDE	ND		34.5	25.6		ug/Kg	☼	74	34 - 120	0	18
4,4'-DDT	ND		34.5	26.0		ug/Kg	☼	76	43 - 123	1	25
Aldrin	ND		34.5	26.0		ug/Kg	☼	76	37 - 125	0	12
alpha-BHC	ND		34.5	24.1		ug/Kg	☼	70	39 - 120	3	15
cis-Chlordane	ND		34.5	26.7		ug/Kg	☼	77	35 - 120	1	23
beta-BHC	ND		34.5	26.3		ug/Kg	☼	76	36 - 120	2	19
delta-BHC	1.0	J B	34.5	27.4		ug/Kg	☼	76	34 - 120	1	14
Dieldrin	ND		34.5	27.7		ug/Kg	☼	80	45 - 120	0	12
Endosulfan I	ND		34.5	27.6		ug/Kg	☼	80	39 - 120	1	18
Endosulfan II	ND		34.5	27.8		ug/Kg	☼	81	34 - 126	0	26
Endosulfan sulfate	ND		34.5	26.4		ug/Kg	☼	77	27 - 130	1	35
Endrin	ND		34.5	28.0		ug/Kg	☼	81	47 - 121	1	20
Endrin aldehyde	ND		34.5	20.0		ug/Kg	☼	58	33 - 123	2	47
Endrin ketone	ND		34.5	25.6		ug/Kg	☼	74	43 - 126	1	37
gamma-BHC (Lindane)	ND		34.5	25.8		ug/Kg	☼	75	50 - 120	3	12
trans-Chlordane	ND		34.5	27.9		ug/Kg	☼	81	31 - 120	2	15
Heptachlor	ND		34.5	26.7		ug/Kg	☼	78	42 - 120	2	22
Heptachlor epoxide	ND		34.5	27.5		ug/Kg	☼	80	40 - 120	1	15
Methoxychlor	ND		34.5	24.9		ug/Kg	☼	72	44 - 150	3	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*45 - 120*
Tetrachloro-m-xylene	*82*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-757243/1-A
Matrix: Solid
Analysis Batch: 757238

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg		09/18/25 06:43	09/18/25 13:44	1
PCB-1221	ND		0.25	0.049	mg/Kg		09/18/25 06:43	09/18/25 13:44	1
PCB-1232	ND		0.25	0.049	mg/Kg		09/18/25 06:43	09/18/25 13:44	1
PCB-1242	ND		0.25	0.049	mg/Kg		09/18/25 06:43	09/18/25 13:44	1
PCB-1248	ND		0.25	0.049	mg/Kg		09/18/25 06:43	09/18/25 13:44	1
PCB-1254	ND		0.25	0.12	mg/Kg		09/18/25 06:43	09/18/25 13:44	1
PCB-1260	ND		0.25	0.12	mg/Kg		09/18/25 06:43	09/18/25 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*09/18/25 06:43*	*09/18/25 13:44*	*1*
DCB Decachlorobiphenyl	*131*		*65 - 174*	*09/18/25 06:43*	*09/18/25 13:44*	*1*

Lab Sample ID: LCS 480-757243/2-A
Matrix: Solid
Analysis Batch: 757238

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757243

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.50	3.54		mg/Kg		141	51 - 185		
PCB-1260			2.50	3.22		mg/Kg		129	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*142*		*60 - 154*
DCB Decachlorobiphenyl	*151*		*65 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-757244/1-A
Matrix: Solid
Analysis Batch: 757689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		09/18/25 06:49	09/23/25 08:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*76*		*28 - 129*	*09/18/25 06:49*	*09/23/25 08:57*	*1*

Lab Sample ID: LCS 480-757244/2-A
Matrix: Solid
Analysis Batch: 757689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757244

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silvex (2,4,5-TP)			66.7	51.8		ug/Kg		78	39 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*28 - 129*

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A

Lab Sample ID: MB 410-702241/1-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.40	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.060	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.060	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorotetradecanoic acid (PFTeDA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoroheptanesulfonic acid (PFHpS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	ND		0.40	0.20	ng/g		09/20/25 10:54	09/20/25 19:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	ND		0.40	0.20	ng/g		09/20/25 10:54	09/20/25 19:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	ND		0.40	0.20	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	ND		1.0	0.50	ng/g		09/20/25 10:54	09/20/25 19:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	ND		1.0	0.50	ng/g		09/20/25 10:54	09/20/25 19:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: MB 410-702241/1-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702241

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ND		0.20	0.10	ng/g		09/20/25 10:54	09/20/25 19:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	ND		0.40	0.20	ng/g		09/20/25 10:54	09/20/25 19:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	ND		1.0	0.50	ng/g		09/20/25 10:54	09/20/25 19:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	ND		1.0	0.50	ng/g		09/20/25 10:54	09/20/25 19:16	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*8 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C5 PFPeA	*102*		*35 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C5 PFHxA	*102*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C4 PFHpA	*103*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C8 PFOA	*101*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C9 PFNA	*100*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C6 PFDA	*97.4*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C7 PFUnA	*93.5*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C2 PFTeDA	*86.4*		*20 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C3 PFBS	*104*		*40 - 135*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C3 PFHxS	*105*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C8 PFOS	*101*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C8 FOSA	*84.1*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
d3-NMeFOSAA	*91.4*		*40 - 135*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
d5-NEtFOSAA	*83.1*		*40 - 150*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C2 4:2 FTS	*103*		*40 - 165*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C2 6:2 FTS	*111*		*40 - 215*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C2 8:2 FTS	*143*		*40 - 275*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C3 HFPO-DA	*97.8*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
d7-N-MeFOSE-M	*68.2*		*20 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
d9-N-EtFOSE-M	*55.2*		*15 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
d5-NEtPFOSA	*67.8*		*10 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
d3-NMePFOSA	*71.6*		*10 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*
13C2 PFDoA	*88.9*		*40 - 130*	*09/20/25 10:54*	*09/20/25 19:16*	*1*

Lab Sample ID: LCS 410-702241/2-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	5.00	4.55		ng/g		91	70 - 140
Perfluoropentanoic acid (PFPeA)	2.50	2.44		ng/g		97	60 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.35		ng/g		94	65 - 140
Perfluoroheptanoic acid (PFHpA)	2.50	2.52		ng/g		101	65 - 145
Perfluorooctanoic acid (PFOA)	2.50	2.38		ng/g		95	70 - 150
Perfluorononanoic acid (PFNA)	2.50	2.48		ng/g		99	70 - 155
Perfluorodecanoic acid (PFDA)	2.50	2.39		ng/g		96	70 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-702241/2-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.50	2.46		ng/g		98	70 - 155
Perfluorododecanoic acid (PFDoA)	2.50	2.38		ng/g		95	70 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.54		ng/g		102	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.34		ng/g		94	65 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.04		ng/g		92	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.38		ng/g		101	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.00		ng/g		88	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.30		ng/g		97	65 - 155
Perfluorooctanesulfonic acid (PFOS)	2.33	2.15		ng/g		93	65 - 160
Perfluorononanesulfonic acid (PFNS)	2.41	2.14		ng/g		89	55 - 140
Perfluorodecanesulfonic acid (PFDS)	2.41	2.12		ng/g		88	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.09		ng/g		86	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	4.69	5.01		ng/g		107	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	4.76	4.84		ng/g		102	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	4.80	4.69		ng/g		98	70 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.31		ng/g		92	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.44		ng/g		98	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.47		ng/g		99	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.30		ng/g		92	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.49		ng/g		100	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	12.5	12.2		ng/g		97	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	12.5	12.6		ng/g		101	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.88	2.08		ng/g		111	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.37	2.53		ng/g		107	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.50	2.69		ng/g		108	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.50	2.42		ng/g		97	60 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.50	2.51		ng/g		100	60 - 155

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LCS 410-702241/2-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702241

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	2.34	1.85		ng/g		79	70 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.36	1.98		ng/g		84	45 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.23	2.12		ng/g		95	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	5.00	4.87		ng/g		97	45 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	12.5	8.98		ng/g		72	60 - 130
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	12.5	8.76		ng/g		70	60 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*86.2*		*8 - 130*
13C5 PFPeA	*83.0*		*35 - 130*
13C5 PFHxA	*85.6*		*40 - 130*
13C4 PFHpA	*83.8*		*40 - 130*
13C8 PFOA	*84.8*		*40 - 130*
13C9 PFNA	*83.1*		*40 - 130*
13C6 PFDA	*84.2*		*40 - 130*
13C7 PFUnA	*81.8*		*40 - 130*
13C2 PFTeDA	*76.4*		*20 - 130*
13C3 PFBS	*84.3*		*40 - 135*
13C3 PFHxS	*87.3*		*40 - 130*
13C8 PFOS	*86.7*		*40 - 130*
13C8 FOSA	*71.0*		*40 - 130*
d3-NMeFOSAA	*85.0*		*40 - 135*
d5-NEtFOSAA	*73.2*		*40 - 150*
13C2 4:2 FTS	*79.8*		*40 - 165*
13C2 6:2 FTS	*89.8*		*40 - 215*
13C2 8:2 FTS	*117*		*40 - 275*
13C3 HFPO-DA	*75.6*		*40 - 130*
d7-N-MeFOSE-M	*63.3*		*20 - 130*
d9-N-EtFOSE-M	*53.2*		*15 - 130*
d5-NEtPFOSA	*63.5*		*10 - 130*
d3-NMePFOSA	*63.9*		*10 - 130*
13C2 PFDoA	*77.2*		*40 - 130*

Lab Sample ID: LLCS 410-702241/3-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702241

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.444		ng/g		89	70 - 140
Perfluoropentanoic acid (PFPeA)	0.250	0.227		ng/g		91	60 - 150
Perfluorohexanoic acid (PFHxA)	0.250	0.240		ng/g		96	65 - 140
Perfluoroheptanoic acid (PFHpA)	0.250	0.234		ng/g		94	65 - 145
Perfluorooctanoic acid (PFOA)	0.250	0.256		ng/g		102	70 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-702241/3-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702241

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorononanoic acid (PFNA)	0.250	0.254		ng/g		102	70 - 155
Perfluorodecanoic acid (PFDA)	0.250	0.230		ng/g		92	70 - 155
Perfluoroundecanoic acid (PFUnA)	0.250	0.240		ng/g		96	70 - 155
Perfluorododecanoic acid (PFDoA)	0.250	0.248		ng/g		99	70 - 150
Perfluorotridecanoic acid (PFTrDA)	0.250	0.256		ng/g		102	65 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.250	0.239		ng/g		95	65 - 150
Perfluorobutanesulfonic acid (PFBS)	0.222	0.211		ng/g		95	65 - 145
Perfluoropentanesulfonic acid (PFPeS)	0.235	0.218		ng/g		93	55 - 160
Perfluorohexanesulfonic acid (PFHxS)	0.228	0.200		ng/g		88	60 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.239	0.209		ng/g		88	65 - 155
Perfluorooctanesulfonic acid (PFOS)	0.233	0.211		ng/g		91	65 - 160
Perfluorononanesulfonic acid (PFNS)	0.241	0.198	J	ng/g		82	55 - 140
Perfluorodecanesulfonic acid (PFDS)	0.241	0.203		ng/g		84	40 - 155
Perfluorododecanesulfonic acid (PFDoS)	0.243	0.198	J	ng/g		82	25 - 160
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.468		ng/g		100	60 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.453		ng/g		95	55 - 200
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.419		ng/g		87	70 - 150
Perfluorooctanesulfonamide (PFOSA)	0.250	0.240		ng/g		96	70 - 140
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.250	0.248		ng/g		99	70 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.250	0.244		ng/g		98	70 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.250	0.217		ng/g		87	65 - 155
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.250	0.223		ng/g		89	65 - 165
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.21		ng/g		97	70 - 140
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.24		ng/g		99	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.188	0.192	J	ng/g		103	70 - 145
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.237	0.221		ng/g		93	70 - 160
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.232		ng/g		93	30 - 140
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.220		ng/g		88	60 - 150

Method: 1633A - Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A (Continued)

Lab Sample ID: LLCS 410-702241/3-A
Matrix: Solid
Analysis Batch: 702269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702241

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)			0.250	0.246		ng/g		99	60 - 155		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)			0.234	0.204		ng/g		87	70 - 150		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			0.236	0.196	J	ng/g		83	45 - 160		
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)			0.223	0.201		ng/g		90	70 - 140		
3-Perfluoropropylpropanoic acid (3:3 FTCA)			0.500	0.452		ng/g		90	45 - 130		
3-Perfluoropentylpropanoic acid (5:3 FTCA)			1.25	0.896	J	ng/g		72	60 - 130		
3-Perfluoroheptylpropanoic acid (7:3 FTCA)			1.25	0.924	J	ng/g		74	60 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*102*		*8 - 130*
13C5 PFPeA	*104*		*35 - 130*
13C5 PFHxA	*104*		*40 - 130*
13C4 PFHpA	*105*		*40 - 130*
13C8 PFOA	*99.5*		*40 - 130*
13C9 PFNA	*96.1*		*40 - 130*
13C6 PFDA	*98.2*		*40 - 130*
13C7 PFUnA	*101*		*40 - 130*
13C2 PFTeDA	*86.3*		*20 - 130*
13C3 PFBS	*102*		*40 - 135*
13C3 PFHxS	*102*		*40 - 130*
13C8 PFOS	*102*		*40 - 130*
13C8 FOSA	*88.2*		*40 - 130*
d3-NMeFOSAA	*99.8*		*40 - 135*
d5-NEtFOSAA	*91.7*		*40 - 150*
13C2 4:2 FTS	*104*		*40 - 165*
13C2 6:2 FTS	*106*		*40 - 215*
13C2 8:2 FTS	*146*		*40 - 275*
13C3 HFPO-DA	*97.0*		*40 - 130*
d7-N-MeFOSE-M	*93.4*		*20 - 130*
d9-N-EtFOSE-M	*78.5*		*15 - 130*
d5-NEtPFOSA	*78.7*		*10 - 130*
d3-NMePFOSA	*78.5*		*10 - 130*
13C2 PFDoA	*96.9*		*40 - 130*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-757302/1-A
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.8	8.4	mg/Kg		09/19/25 08:51	09/19/25 18:34	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-757302/1-A
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14.7	0.52	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Barium	ND		0.49	0.14	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Beryllium	ND		0.20	0.039	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Cadmium	ND		0.20	0.068	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Calcium	ND		48.9	26.4	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Chromium	ND		0.49	0.35	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Cobalt	ND		0.49	0.098	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Copper	ND		0.98	0.56	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Iron	ND		9.8	8.3	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Lead	ND		0.98	0.45	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Magnesium	ND		19.6	8.3	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Manganese	ND		0.98	0.27	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Nickel	ND	^5-	4.9	0.24	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Potassium	ND		29.3	23.7	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Silver	ND	^5-	0.59	0.20	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Sodium	ND	^5-	137	59.9	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Thallium	ND		5.9	0.74	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Vanadium	ND		0.49	0.13	mg/Kg		09/19/25 08:51	09/19/25 18:34	1
Zinc	ND		2.0	1.0	mg/Kg		09/19/25 08:51	09/19/25 18:34	1

Lab Sample ID: MB 480-757302/1-A
Matrix: Solid
Analysis Batch: 757628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757302

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.86	mg/Kg		09/19/25 08:51	09/22/25 10:57	1
Selenium	ND		3.9	0.78	mg/Kg		09/19/25 08:51	09/22/25 10:57	1

Lab Sample ID: LCSSRM 480-757302/2-A
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7680	8154		mg/Kg		106.2	47.4 - 130.2
Antimony	250	86.32		mg/Kg		34.5	10.0 - 131.2
Barium	244	271.0		mg/Kg		111.1	67.2 - 112.3
Beryllium	165	173.8		mg/Kg		105.3	66.7 - 110.9
Cadmium	134	132.3		mg/Kg		98.7	66.0 - 109.7
Calcium	4280	4451		mg/Kg		104.0	68.5 - 122.4
Chromium	172	171.0		mg/Kg		99.4	62.2 - 115.7
Cobalt	253	277.0		mg/Kg		109.5	68.8 - 114.2
Copper	99.6	97.14		mg/Kg		97.5	68.7 - 114.5

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-757302/2-A
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Iron	7360	6951		mg/Kg		94.4	10.0 - 187.5
Lead	153	151.0		mg/Kg		98.7	66.7 - 117.6
Magnesium	2060	1969		mg/Kg		95.6	53.9 - 179.1
Manganese	442	405.2		mg/Kg		91.7	69.0 - 112.4
Nickel	165	181.5		mg/Kg		110.0	60.6 - 113.3
Potassium	1950	1995		mg/Kg		102.3	51.2 - 129.2
Silver	83.9	77.79		mg/Kg		92.7	65.1 - 118.5
Sodium	732	768.4		mg/Kg		105.0	55.9 - 124.7
Thallium	208	224.0		mg/Kg		107.7	63.0 - 113.0
Vanadium	179	170.4		mg/Kg		95.2	64.8 - 113.4
Zinc	327	317.8		mg/Kg		97.2	62.4 - 115.9

Lab Sample ID: LCSSRM 480-757302/2-A
Matrix: Solid
Analysis Batch: 757628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	229	196.2		mg/Kg		85.7	59.0 - 110.0
Selenium	107	94.88		mg/Kg		88.7	57.2 - 119.6

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	11800		1060	15540	4	mg/Kg	☼	350	75 - 125
Antimony	0.62	J F1	104	45.95	F1	mg/Kg	☼	44	75 - 125
Barium	111		208	275.2		mg/Kg	☼	79	75 - 125
Beryllium	0.44		103	87.49		mg/Kg	☼	85	75 - 125
Cadmium	0.10	J	104	80.28		mg/Kg	☼	77	75 - 125
Calcium	15700	F1 F2	5190	20290		mg/Kg	☼	89	75 - 125
Chromium	14.3		104	98.05		mg/Kg	☼	81	75 - 125
Cobalt	9.9		104	104.4		mg/Kg	☼	91	75 - 125
Copper	25.9		104	110.2		mg/Kg	☼	81	75 - 125
Iron	25800		1060	26960	4	mg/Kg	☼	107	75 - 125
Lead	16.9		104	116.2		mg/Kg	☼	96	75 - 125
Magnesium	5370		5180	10560		mg/Kg	☼	100	75 - 125
Manganese	492		103	635.1	4	mg/Kg	☼	138	75 - 125
Nickel	24.8	^5-	104	120.7	^5-	mg/Kg	☼	92	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	1810		5190	7221		mg/Kg	☼	104	75 - 125
Silver	ND	^5-	10.4	8.33	^5-	mg/Kg	☼	80	75 - 125
Sodium	74.5	J ^5-	5190	4403	^5-	mg/Kg	☼	83	75 - 125
Thallium	ND		207	181.6		mg/Kg	☼	88	75 - 125
Vanadium	16.3		104	103.0		mg/Kg	☼	84	75 - 125
Zinc	72.4	F1	104	143.6	F1	mg/Kg	☼	69	75 - 125

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757628

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	9.7		208	178.5		mg/Kg	☼	81	75 - 125
Selenium	ND		208	158.0		mg/Kg	☼	76	75 - 125

Lab Sample ID: 480-232680-1 MSD
Matrix: Solid
Analysis Batch: 757553

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	11800		1070	14420	4	mg/Kg	☼	243	75 - 125	7	20
Antimony	0.62	J F1	105	46.66	F1	mg/Kg	☼	44	75 - 125	2	20
Barium	111		209	279.6		mg/Kg	☼	81	75 - 125	2	20
Beryllium	0.44		104	89.49		mg/Kg	☼	86	75 - 125	2	20
Cadmium	0.10	J	105	81.88		mg/Kg	☼	78	75 - 125	2	20
Calcium	15700	F1 F2	5230	25300	F1 F2	mg/Kg	☼	184	75 - 125	22	20
Chromium	14.3		105	97.13		mg/Kg	☼	79	75 - 125	1	20
Cobalt	9.9		105	106.2		mg/Kg	☼	92	75 - 125	2	20
Copper	25.9		105	104.1		mg/Kg	☼	75	75 - 125	6	20
Iron	25800		1070	24510	4	mg/Kg	☼	-123	75 - 125	10	20
Lead	16.9		105	116.4		mg/Kg	☼	95	75 - 125	0	20
Magnesium	5370		5220	9885		mg/Kg	☼	86	75 - 125	7	20
Manganese	492		104	696.4	4	mg/Kg	☼	196	75 - 125	9	20
Nickel	24.8	^5-	105	119.8	^5-	mg/Kg	☼	91	75 - 125	1	20
Potassium	1810		5230	7267		mg/Kg	☼	104	75 - 125	1	20
Silver	ND	^5-	10.5	8.50	^5-	mg/Kg	☼	81	75 - 125	2	20
Sodium	74.5	J ^5-	5230	4550	^5-	mg/Kg	☼	86	75 - 125	3	20
Thallium	ND		209	184.9		mg/Kg	☼	89	75 - 125	2	20
Vanadium	16.3		105	101.8		mg/Kg	☼	82	75 - 125	1	20
Zinc	72.4	F1	105	137.3	F1	mg/Kg	☼	62	75 - 125	4	20

Lab Sample ID: 480-232680-1 MSD
Matrix: Solid
Analysis Batch: 757628

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757302

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	9.7		209	179.4		mg/Kg	☼	81	75 - 125	0	20
Selenium	ND		209	160.7		mg/Kg	☼	77	75 - 125	2	20

Client: C&S Engineers, Inc.
Project/Site: Northern Chautauqua Hospital

Job ID: 480-232680-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-757382/1-A
Matrix: Solid
Analysis Batch: 757440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0046	mg/Kg		09/19/25 08:34	09/19/25 11:08	1

Lab Sample ID: LCSSRM 480-757382/2-A
Matrix: Solid
Analysis Batch: 757440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757382

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	15.9	13.27		mg/Kg		83.5	53.1 - 123.9

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 410-706430/1-A
Matrix: Solid
Analysis Batch: 706562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 706430

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.42	0.37	mg/Kg		09/29/25 18:11	09/29/25 23:25	1

Lab Sample ID: LCS 410-706430/2-A
Matrix: Solid
Analysis Batch: 706562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706430

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	5.00	4.95		mg/Kg		99	80 - 120

Lab Sample ID: LCSI 410-706430/3-A
Matrix: Solid
Analysis Batch: 706562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 706430

Analyte	Spike Added	LCSI Result	LCSI Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	791	693.5		mg/Kg		88	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-757752/1-A
Matrix: Solid
Analysis Batch: 757790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 757752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.97	0.47	mg/Kg		09/23/25 12:35	09/23/25 16:31	1

Lab Sample ID: LCS 480-757752/3-A
Matrix: Solid
Analysis Batch: 757790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.366		mg/Kg		92	29 - 122

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 480-757752/4-A
Matrix: Solid
Analysis Batch: 757790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.236		mg/Kg		94	29 - 122		

Lab Sample ID: LCSSRM 480-757752/2-A
Matrix: Solid
Analysis Batch: 757790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 757752

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			134	85.53		mg/Kg		63.8	31.6 - 131.3		

Lab Sample ID: 480-232680-1 MS
Matrix: Solid
Analysis Batch: 757790

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	ND	F1	1.22	1.64	F1	mg/Kg	☼	134	85 - 115		

Lab Sample ID: 480-232680-1 DU
Matrix: Solid
Analysis Batch: 757790

Client Sample ID: Comp-20250917
Prep Type: Total/NA
Prep Batch: 757752

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cyanide, Total	ND	F1		ND		mg/Kg	☼			NC	15

GC/MS VOA

Prep Batch: 757225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	5035A_L	
MB 480-757225/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-757225/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 757227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	8260C	757225
MB 480-757225/2-A	Method Blank	Total/NA	Solid	8260C	757225
LCS 480-757225/1-A	Lab Control Sample	Total/NA	Solid	8260C	757225

GC/MS Semi VOA

Prep Batch: 757387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	3546	
MB 480-757387/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-757387/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 480-757387/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
480-232680-1 MS	Comp-20250917	Total/NA	Solid	3546	
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	3546	

Analysis Batch: 757599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	8270D	757387
MB 480-757387/1-A	Method Blank	Total/NA	Solid	8270D	757387
LCS 480-757387/2-A	Lab Control Sample	Total/NA	Solid	8270D	757387
LCSD 480-757387/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	757387
480-232680-1 MS	Comp-20250917	Total/NA	Solid	8270D	757387
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	8270D	757387

GC Semi VOA

Analysis Batch: 757238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	8082A	757243
MB 480-757243/1-A	Method Blank	Total/NA	Solid	8082A	757243
LCS 480-757243/2-A	Lab Control Sample	Total/NA	Solid	8082A	757243

Prep Batch: 757243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	3550C	
MB 480-757243/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-757243/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 757244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	8151A	
MB 480-757244/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-757244/2-A	Lab Control Sample	Total/NA	Solid	8151A	

GC Semi VOA

Prep Batch: 757252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	3546	
MB 480-757252/1-A	Method Blank	Total/NA	Solid	3546	
LCS 480-757252/2-A	Lab Control Sample	Total/NA	Solid	3546	
480-232680-1 MS	Comp-20250917	Total/NA	Solid	3546	
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	3546	

Analysis Batch: 757298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	8081B	757252
MB 480-757252/1-A	Method Blank	Total/NA	Solid	8081B	757252
LCS 480-757252/2-A	Lab Control Sample	Total/NA	Solid	8081B	757252
480-232680-1 MS	Comp-20250917	Total/NA	Solid	8081B	757252
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	8081B	757252

Analysis Batch: 757689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	8151A	757244
MB 480-757244/1-A	Method Blank	Total/NA	Solid	8151A	757244
LCS 480-757244/2-A	Lab Control Sample	Total/NA	Solid	8151A	757244

LCMS

Prep Batch: 702241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	1633A Shake	
MB 410-702241/1-A	Method Blank	Total/NA	Solid	1633A Shake	
LCS 410-702241/2-A	Lab Control Sample	Total/NA	Solid	1633A Shake	
LLCS 410-702241/3-A	Lab Control Sample	Total/NA	Solid	1633A Shake	

Analysis Batch: 702269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	1633A	702241
MB 410-702241/1-A	Method Blank	Total/NA	Solid	1633A	702241
LCS 410-702241/2-A	Lab Control Sample	Total/NA	Solid	1633A	702241
LLCS 410-702241/3-A	Lab Control Sample	Total/NA	Solid	1633A	702241

Metals

Prep Batch: 757302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	3050B	
MB 480-757302/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-757302/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-232680-1 MS	Comp-20250917	Total/NA	Solid	3050B	
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	3050B	

Prep Batch: 757382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	7471B	
MB 480-757382/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-757382/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Metals

Analysis Batch: 757440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	7471B	757382
MB 480-757382/1-A	Method Blank	Total/NA	Solid	7471B	757382
LCSSRM 480-757382/2-A	Lab Control Sample	Total/NA	Solid	7471B	757382

Analysis Batch: 757553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	6010D	757302
MB 480-757302/1-A	Method Blank	Total/NA	Solid	6010D	757302
LCSSRM 480-757302/2-A	Lab Control Sample	Total/NA	Solid	6010D	757302
480-232680-1 MS	Comp-20250917	Total/NA	Solid	6010D	757302
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	6010D	757302

Analysis Batch: 757628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	6010D	757302
MB 480-757302/1-A	Method Blank	Total/NA	Solid	6010D	757302
LCSSRM 480-757302/2-A	Lab Control Sample	Total/NA	Solid	6010D	757302
480-232680-1 MS	Comp-20250917	Total/NA	Solid	6010D	757302
480-232680-1 MSD	Comp-20250917	Total/NA	Solid	6010D	757302

General Chemistry

Prep Batch: 706430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	3060A	
MB 410-706430/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 410-706430/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSI 410-706430/3-A	Lab Control Sample	Total/NA	Solid	3060A	

Analysis Batch: 706562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	7196A	706430
MB 410-706430/1-A	Method Blank	Total/NA	Solid	7196A	706430
LCS 410-706430/2-A	Lab Control Sample	Total/NA	Solid	7196A	706430
LCSI 410-706430/3-A	Lab Control Sample	Total/NA	Solid	7196A	706430

Analysis Batch: 757337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	Moisture	

Prep Batch: 757752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	9012B	
MB 480-757752/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 480-757752/3-A	Lab Control Sample	Total/NA	Solid	9012B	
LCS 480-757752/4-A	Lab Control Sample	Total/NA	Solid	9012B	
LCSSRM 480-757752/2-A	Lab Control Sample	Total/NA	Solid	9012B	
480-232680-1 MS	Comp-20250917	Total/NA	Solid	9012B	
480-232680-1 DU	Comp-20250917	Total/NA	Solid	9012B	

QC Association Summary

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

General Chemistry

Analysis Batch: 757790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232680-1	Comp-20250917	Total/NA	Solid	9012B	757752
MB 480-757752/1-A	Method Blank	Total/NA	Solid	9012B	757752
LCS 480-757752/3-A	Lab Control Sample	Total/NA	Solid	9012B	757752
LCS 480-757752/4-A	Lab Control Sample	Total/NA	Solid	9012B	757752
LCSSRM 480-757752/2-A	Lab Control Sample	Total/NA	Solid	9012B	757752
480-232680-1 MS	Comp-20250917	Total/NA	Solid	9012B	757752
480-232680-1 DU	Comp-20250917	Total/NA	Solid	9012B	757752

Lab Chronicle

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Client Sample ID: Comp-20250917
Lab Sample ID: 480-232680-1
Date Collected: 09/17/25 13:30
Matrix: Solid
Date Received: 09/17/25 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	757337	JMM	EET BUF	09/18/25 15:21

Client Sample ID: Comp-20250917
Lab Sample ID: 480-232680-1
Date Collected: 09/17/25 13:30
Matrix: Solid
Date Received: 09/17/25 14:20
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			757225	CDC	EET BUF	09/17/25 17:32
Total/NA	Analysis	8260C		1	757227	CDC	EET BUF	09/17/25 23:22
Total/NA	Prep	3546			757387	VXF	EET BUF	09/19/25 08:23
Total/NA	Analysis	8270D		1	757599	JMM	EET BUF	09/22/25 15:34
Total/NA	Prep	3546			757252	VXF	EET BUF	09/18/25 07:52
Total/NA	Analysis	8081B		1	757298	JLS	EET BUF	09/18/25 15:47
Total/NA	Prep	3550C			757243	SMP	EET BUF	09/18/25 06:43
Total/NA	Analysis	8082A		1	757238	H9RU	EET BUF	09/18/25 17:45
Total/NA	Prep	8151A			757244	SMP	EET BUF	09/18/25 06:49
Total/NA	Analysis	8151A		1	757689	MAN	EET BUF	09/23/25 11:04
Total/NA	Prep	1633A Shake			702241	MSH2	ELLE	09/20/25 10:54
Total/NA	Analysis	1633A		1	702269	QY4X	ELLE	09/20/25 23:48
Total/NA	Prep	3050B			757302	EMO	EET BUF	09/19/25 08:51
Total/NA	Analysis	6010D		1	757553	BMB	EET BUF	09/19/25 18:38
Total/NA	Prep	3050B			757302	EMO	EET BUF	09/19/25 08:51
Total/NA	Analysis	6010D		1	757628	MP	EET BUF	09/22/25 11:02
Total/NA	Prep	7471B			757382	ESB	EET BUF	09/19/25 08:34
Total/NA	Analysis	7471B		1	757440	ESB	EET BUF	09/19/25 11:29
Total/NA	Prep	3060A			706430	UDS7	ELLE	09/29/25 18:11
Total/NA	Analysis	7196A		1	706562	UDS7	ELLE	09/29/25 23:25
Total/NA	Prep	9012B			757752	AM	EET BUF	09/23/25 12:35
Total/NA	Analysis	9012B		1	757790	AM	EET BUF	09/23/25 16:36

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	0001.01	11-30-26
A2LA	Dept. of Energy	0001.01	11-30-26
A2LA	ISO/IEC 17025	0001.01	11-30-26
Alabama	State	43200	01-31-26
Alaska	State	PA00009	06-30-26
Alaska (UST)	State	17-027	12-30-26
Arizona	State	AZ0780	03-12-26
Arkansas DEQ	State	88-00660	08-09-26
California	State	2792	01-31-26
Colorado	State	PA00009	06-30-26
Connecticut	State	PH-0746	06-30-27
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-26
Delaware (DW)	State	N/A	01-31-26
Florida	NELAP	E87997	07-01-26
Georgia (DW)	State	C048	01-31-26
Illinois	NELAP	200027	01-31-26
Iowa	State	361	03-01-26
Kansas	NELAP	E-10151	10-31-25
Kentucky (DW)	State	KY90088	12-31-25
Kentucky (UST)	State	0001.01	11-30-26
Kentucky (WW)	State	KY90088	12-31-25
Louisiana (All)	NELAP	02055	06-30-26
Maine	State	2019012	03-12-27
Maryland	State	100	06-30-26
Massachusetts	State	M-PA009	06-30-26
Michigan	State	9930	01-31-26
Minnesota	NELAP	042-999-487	12-31-25
Mississippi	State	023	01-31-26
Missouri	State	450	01-31-28
Montana (DW)	State	0098	01-01-26
Nebraska	State	NE-OS-32-17	01-31-26
New Hampshire	NELAP	2730	01-10-26
New Jersey	NELAP	PA011	06-30-26
New York	NELAP	10670	04-01-26
North Carolina (DW)	State	42705	07-31-26
North Carolina (WW/SW)	State	521	12-31-25
North Dakota	State	R-205	01-31-24 *
Ohio	State	87787	01-31-26
Oklahoma	NELAP	9804	12-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: C&S Engineers, Inc. Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	PA200001	09-12-26
Pennsylvania	NELAP	36-00037	01-31-26
Quebec Ministry of Environment and Fight against Climate Change	PALA	507	09-16-29
Rhode Island	State	LAO00338	12-30-25
South Carolina	State	89002	01-31-26
Tennessee	State	02838	01-31-26
Texas	NELAP	T104704194-23-46	08-31-26
USDA	US Federal Programs	525-22-298-19481	10-25-25
Vermont	State	VT - 36037	10-28-25
Virginia	NELAP	460182	06-14-26
Washington	State	C457	04-11-26
West Virginia (DW)	State	9906 C	03-31-26
West Virginia DEP	State	055	07-31-26
Wyoming	State	8TMS-L	01-31-26
Wyoming (UST)	A2LA	0001.01	11-30-26

Method Summary

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
8151A	Herbicides (GC)	SW846	EET BUF
1633A	Per- and Polyfluoroalkyl Substances by LC/MS/MS, 1633A	EPA	ELLE
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
7196A	Chromium, Hexavalent	SW846	ELLE
9012B	Cyanide, Total andor Amenable	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633A Shake	Shake Extraction with SPE	EPA	ELLE
3050B	Preparation, Metals	SW846	EET BUF
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	ELLE
3546	Microwave Extraction	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: C&S Engineers, Inc.
Job ID: 480-232680-1
Project/Site: Northern Chautauqua Hospital

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-232680-1	Comp-20250917	Solid	09/17/25 13:30	09/17/25 14:20	New York

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information
Client Contact: Cody Martin
Company: C&S Engineers, Inc.
Address: 141 Elm Street Suite 100
City: Buffalo
State, Zip: NY, 14203
Phone: 716-847-1630(Tel)
Email: cmartin@cscos.com
Project Name: Northern Chautauqua Hospital
Site:

Sampler:
Phone: 716-474-9092
PWSID:
Due Date Requested:
TAT Requested (days): Stand
Compliance Project: Δ Yes Δ No
PO #: K11017003
WO #:
Project #: 48029207
SSOW#:

Lab PM: Beninati, John
E-Mail: John.Beninati@et.eurofinsus.com
Carrier Tracking No(s): Rochester
State of Origin: #484

COC No: 480-208075-42118.1
Page: Page 1 of 1
Job #:

Analysis Requested

Preservation Codes: N - None
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs	7196A - Chromium, Hexavalent	1633A - List of 40 based on EPA method	6010D, 7471B, 9012B	8081B, 8082A, 8151A, 8270D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N		
Comp-20250917	9/17/25	1330	grab	Solid			X	X	X	X	X	9	
				Solid									
				Solid									
				Solid									

480-232680 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	9/17/25	C&S	[signature]	9-17-25 2:14 20	TAB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 23.6 IR-SC tee-NO ICE

Ver: 10/10/2024

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Beninati, John	Carrier Tracking No(s): N/A	COC No: 480-94977.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: John.Beninati@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New York		Job #: 480-232680-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 9/30/2025			Preservation Codes: -
City: Lancaster	TAT Requested (days): N/A			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Northern Chautauqua Hospital	Project #: 48029207			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A/3060A Chromium, Hexavalent	1633A/1633A_ShakeList of 40 based on EPA method	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Comp-20250917 (480-232680-1)	9/17/25	13:30 Eastern	G	Solid			X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	VPD	9-17-25 1600				
2						
3				Hazel Tyree	9/18/25 950	ELLET

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 6.9/5.5

Ver: 10/10/2024

9/30/2025

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-232680-1

Login Number: 232680

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	23.6 IR#SC no ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	C&S Engineers
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: C&S Engineers, Inc.

Job Number: 480-232680-1

Login Number: 232680
List Number: 2
Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC
List Creation: 09/18/25 02:56 PM

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

STARK GRAVEL PRODUCTS

No 6290

1279 N. Main Steet, Jamestown, NY 14701 • 716-664-4400

DATE 8-27-25

CUSTOMER LSP

JOB North Chaut Hospital

TRUCK NO. Lictus DRIVER

LOAD LOCATION

DUMP LOCATION

MATERIAL screen-gravel

TONS	TONS	TONS	TONS	TONS	TONS	TONS
19.84		20.82		19.88		20.32
20.12		20.28		20.62		20.96
		162.84	ton			

CUSTOMER SIGNATURE:

STARK GRAVEL PRODUCTS

No 6291

1279 N. Main Steet, Jamestown, NY 14701 • 716-664-4400

DATE 8-27-25

CUSTOMER LSP

JOB Northern Chautauqua Hospital

TRUCK NO. ABm DRIVER

LOAD LOCATION 25055 N. Chaut. Hospital - Site Work

DUMP LOCATION

MATERIAL Screen gravel

TONS	TONS	TONS	TONS	TONS	TONS	TONS
19.80		20.54		20.38		20.52
19.82		20.58		19.50		19.36
19.96		19.68		19.12		20.52
	239.80 ton					

CUSTOMER SIGNATURE:

1279 North Main Street
Jamestown, NY 14701
Phone: 716-664-4400

STARK GRAVEL PRODUCTS

BILL TO

Lake Shore Paving, Inc.
1279 North Main Street

Jamestown, NY 14701

INVOICE #	INVOICE DATE
2941	8/31/2025

P.O. NUMBER	TERMS
	NET15

Date	Description	Quantity	U/M	Unit Price	Extended Price
	25055 N. Chaut. Hospital-Site Work				
8/27/2025	Screened Gravel	402.6400	TON	12.0000	4,831.68

Job Name N. Chaut. Hospital
Job # 25055
Invoice # _____ Inv. Date _____

GL _____ Cost Code _____ $ _____
GL _____ Cost Code _____ $ _____
GL _____ Cost Code 1525 $ _____
GL _____ Cost Code _____ $ _____
GL _____ Cost Code _____ $ _____

Date: 9/20 Initals: BC T/E Y/N

Comments:

INVOICE AMOUNT	$	4,831.68
SALES TAX (if applicable)	$	0.00
Less: RETAINAGE	$	0.00
TOTAL DUE	$	4,831.68

Gernatt
ASPHALT PRODUCTS, INC.

INVOICE

Invoice #:	19228
Invoice Date:	09/15/25
Due Date:	10/15/25
Customer No:	1776
Plant Location: 10	Hanover Gravel

Sold To:

LAKE SHORE PAVING
1279 N MAIN STREET
JAMESTOWN, NY 14701

RECEIVED
SEP 22 2025
LAKE SHORE PAVING, INC

REMIT TO:

GERNATT ASPHALT PRODUCTS
DEPT 124
P.O. BOX 8000
BUFFALO, NY 14267
PHONE: 716-532-3371

Sale Date	Ticket	Truck	Units	UM	Unit Price	Matl Total	Haul Total	Tax Code	Tax	Total
Job #: 1776-22 2025 FREDONIA HOSPITAL										
PO #:										
MATERIAL: CR #1 & #2 GRAVEL (PA #57)										
09/2/25	1099895	LAK136	21.26	TON	25.65	545.32	0.00	CHAU	43.63	588.95
09/2/25	1099901	LAK136	21.17	TON	25.65	543.01	0.00	CHAU	43.44	586.45
Total Material: CR #1 & #2 GRAVEL (PA #57)			**42.43**	TON		**1,088.33**	**0.00**		**87.07**	**1,175.40**
Total :						**1,088.33**	**0.00**		**87.07**	**1,175.40**

Job Name N. Chaut. Hospital
Job # _____
Invoice # 25055 Inv. Date _____

GL _____ Cost Code _____ $ _____
GL _____ Cost Code _____ $ _____
GL _____ Cost Code 1000 $ 1088.33
GL _____ Cost Code _____ $ _____
GL _____ Cost Code _____ $ _____

Date: 9/27 Initals BC T/E Y/N

Comments:

Pay Terms NET 30 **Total: 1,175.40**

A FINANCE CHARGE of 1.5% per month (18% per annum) will be charged on invoices not paid within terms.

HANOVER PLANT
549-0551

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

TRUCKER'S COPY

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

25055
1000

Ticket #: 1099895
Date: 09/02/25
Time: 09:41 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: 1776
Name: LAKE SHORE PAVING
Address: 1279 N MAIN STREET
JAMESTOWN, NY 14701

JOB INFORMATION

ID: 1776-22 PO#:
Name: 2025 FREDONIA HOSPITAL
Address: ROUTE 20, FREDONIA
Phone: 716-664-4400 Phase: 10

Truck and Carrier Information

Truck ID: LAK136 LIC:
Descript: LAK136
Carrier ID:10666
Name: LAKESHORE PAVING INC.

Truck Weights

	Gross	Tare	Net
	70920 lb	28400 lb	42520 lb
	35.460 TN	14.200 TN	21.260 TN
	32.169 Mg	12.882 Mg	19.287 Mg

Weighmaster: CHARYL KRUN

PRODUCT AND LOAD TOTALS

ID:		1/TODAY
Name:	CR #1&#2 GRAVEL (PA	21.260TN
JMF#:		MG
Pile #:		

Driver: _____ Received By: _____ Picked Up
Load Total: 42520

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB
LEFT JOB

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

HANOVER PLANT
549-0551

TRUCKER'S COPY

Gernatt

13870 TAYLOR HOLLOW ROAD - COLLINS, NY 14034

www.gernatt.com
OFFICE PHONE
(716) 532-3371
(716) 532-9000 FAX

25055
1000

Ticket #: 1099901
Date: 09/02/25
Time: 10:36 AM

*** Delivery ***

CUSTOMER INFORMATION

ID: 1776
Name: LAKE SHORE PAVING
Address: 1279 N MAIN STREET
JAMESTOWN, NY 14701

JOB INFORMATION

ID: 1776-22 PO#:
Name: 2025 FREDONIA HOSPITAL
Address: ROUTE 20, FREDONIA

Phone: 716-664-4400 Phase: 10

Truck and Carrier Information

Truck ID: LAK136 LIC:
Descript: LAK136
Carrier ID:10666
Name: LAKESHORE PAVING INC.

Truck Weights

	Gross	Tare	Net
	70740 lb	28400 lb	42340 lb
	35.370 TN	14.200 TN	21.170 TN
	32.087 Mg	12.882 Mg	19.205 Mg

Weighmaster: CHARYL KRUN

PRODUCT AND LOAD TOTALS

ID: 426	2/TODAY
Name: CR #1&#2 GRAVEL (PA	42.430TN
JMF#:	MG
Pile #:	

N. chaut. hospital
2505

Driver: _____ Received By: _____

Picked Up
Load Total: 42340

1000 1083.33

A FINANCE CHARGE OF 1½% PER MONTH (18% PER ANNUAL) ($1.00 Minimum Service Fee) will be charged on amounts not paid within normal terms. Acceptance of delivery constitutes acceptance of these terms.

Our trucking responsibility ends at the curb. A charge will be made for holding truck on the job for over 20 minutes.

ARV. JOB
LEFT JOB

WARNING: Hot mix asphalt may release hydrogen sulfide (H_2S) which can be toxic in large concentrations. Avoid breathing fumes unnecessarily. Contact with hot asphalt can produce burns. Avoid contact with skin.

APPENDIX G

FILED ENVIRONMENTAL EASEMENT

Chautauqua County Clerk

Return To:

OFFICE OF UNIVERSITY COUNSEL
CORNELL UNIVERSITY
300 CCC BLDG GARDEN AVE
ITHACA NY 14853

Index DEED BOOK

Book 02679 Page 0569

No. Pages 0004

Instrument AMEND/DEEDS/TP

Date : 6/23/2009

Time : 2:25:02

Control # 200906230236

INST# DE 2009 002857

TRTX# TT 2009 005027

Employee ID SWEENEY

CORNELL UNIVERSITY

NEW YORK STATE DEPARTMENT OF E
NVIRONMENTAL CONSERV ATION

COUNTY	$	46.00
	$	.00
SED/CEA	$	19.00
	$	.00
TRANS TAX	$	.00
	$	.00
	$	.00
	$	.00
	$	.00
Total:	$	65.00

STATE OF NEW YORK
Chautauqua County Clerk

TRANSFER TAX

WARNING: THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT, REQUIRED BY SECTION 316-a(5) & SECTION 319 OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH.

CONSIDERATN $ .00

Transfer Tax $ .00

Sandra K. Sopak
County Clerk

D026790569

AMENDED DECLARATION of COVENANTS and RESTRICTIONS

THIS AMENDED DECLARATION OF COVENANTS AND RESTRICTIONS is made the 29th day of May, 2009, by Cornell University ("Cornell"), an education corporation chartered by the State of New York, having an address for the transaction of business at c/o Real Estate Department, Box DH-Real Estate, Ithaca, New York 14853;

WHEREAS Cornell is the owner of a certain parcel of land (the "Property"), a portion of which is subject to a Declaration of Covenants and Restrictions ("Covenant") which was filed in the Office of the Chautauqua County Clerk on June 20, 2005 in Deed Book 02575 at Page 0070; and

WHEREAS the Property is also identified as Tax Map Number 113.08-1-28, being lands conveyed to Cornell by deed recorded in the Chautauqua County Clerk's Office in Liber 1073 of Deeds at Page 485; and

WHEREAS Cornell entered into a Voluntary Cleanup Agreement ("VCA") dated February 26, 2001, with the New York State Department of Environmental Conservation ("DEC") with respect to Cornell's Vineyard Research Laboratory located at 412 East Main Street, Village of Fredonia, Town of Pomfret, County of Chautauqua, State of New York; and

WHEREAS DEC approved a remedy in said VCA which required that a parcel of the Property be subject to restrictive covenants which were recorded in the Covenant; and

WHEREAS Cornell intends to undertake additional remediation at the Property and Cornell and DEC agree that the Covenant should be amended as provided herein.

NOW, THEREFORE, Cornell, for itself and its successors and/or assigns, covenants that:

First, the Property subject to this Amended Declaration of Covenants and Restrictions ("Restricted Property") is a 2.02 acre parcel located on the Property and is as shown on a map entitled "Boundary Survey, Cornell Vineyard Research Laboratory, Town of Pomfret, County of Chautauqua, State of New York" dated March 23, 2001, Peter J. Welsby, LLS 049414, a copy of which map is being recorded concurrently herewith. The Restricted Property is more particularly described as follows:

> ALL that tract or parcel of land, situate in the Town of Pomfret, County of Chautauqua and State of New York, being part of Lot 2, Township 6, and Range 12 of the Holland Land Company's Survey, and more particularly described as follows:
>
> Commencing on the northerly line of East Main Street (also known as State Route 20) at the southwest corner of lands conveyed to Cornell University (1073/485);
>
> Thence N 03° 50' 01" W along a westerly line of Cornell University's land a distance of 75.00' to a point;

Thence N 86° 31' 41" E and parallel with the northerly line of East Main Street, a distance of 115.00' to a point;

Thence N 18° 15' 18" E a distance of 310.00' to a point;

Thence S 89° 41' 26" W a distance of 420.00' to a point;

Thence S 03° 50' 01" E a distance of 200.00' to a point on the southerly line of Cornell University's land as last mentioned;

Thence N 86° 31' 41" E parallel with the northerly line of East Main Street and along the south line of Cornell University's land a distance of 187.64' to a southwest corner of Cornell University's land;

Thence S 03° 50' 01" E along the west line of Cornell University's land, a distance of 111.15' to the point of beginning, containing 2.02 acres of land, more or less.

Second, unless prior written approval by DEC or, if the DEC shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, no person shall engage in any activity that will, or that reasonably is foreseeable to, expose the public health or the environment to a significantly increased threat of harm or damage.

Third, the owner of the Restricted Property shall prohibit the Restricted Property from ever being used for purposes other than for industrial or commercial use without the express written waiver of such prohibition by the DEC or the Relevant Agency.

Fourth, the owner of the Restricted Property shall prohibit the use of the groundwater underlying the Restricted Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the DEC or the Relevant Agency.

Fifth, if site soil is excavated and is intended to be removed from the Restricted Property it must be managed, characterized, and properly disposed in accordance with DEC regulations and directives. Soil excavated at the Restricted Property may be reused as backfill material thereon, provided it contains no visual or olfactory evidence of contamination. If sampling is conducted the levels of contamination must meet 6 NYCRR Part 375 Commercial Soil Cleanup Objectives. Before the soils may be reused on the Restricted Property DEC must be notified.

Sixth, the owner of the Restricted Property shall continue in full force and effect any institutional controls the Department required Respondent to put into place and maintain unless the owner first obtains permission to discontinue such controls from the Relevant Agency.

Seventh, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property.

Eighth, Cornell hereby consents on behalf of itself and its successors and assigns to the enforcement by the Relevant Agency of the prohibitions and restrictions set forth herein, and hereby covenants not to contest such enforcement.

Ninth, any deed of conveyance of the Restricted Property, or any portion thereof, shall recite, unless the DEC or the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

Tenth, to the extent that the terms set forth in this Amended Declaration of Covenants and Restrictions conflict with any of the terms of the Covenant, the terms of the Amended Declaration shall control.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

CORNELL UNIVERSITY

By: _____
Stephen T. Golding
Executive Vice President for Finance
and Administration

STATE OF NEW YORK)
COUNTY OF TOMPKINS) ss:

On the 29th day of May, in the year 2009, before me, the undersigned, a Notary Public in and for the State, personally appeared Stephen T. Golding, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument as Executive Vice President for Finance and Administration of Cornell University.

_____
Notary Public

DEBORAH G. OSTRANDER
Notary Public, State of New York
No. 4936629
Qualified in Tompkins County
Commission Expires July 5, 20 10

SECTION	113.08
BLOCK	1
LOT	28 (portion – 2.02 acres)
TOWN	Pomfret

STATE OF NEW YORK, COUNTY OF CHAUTAUQUA, A TRUE COPY OF THE ORIGINAL FILED OR RECORDED IN THIS OFFICE

JUN 23 2009

WITNESS MY HAND AND OFFICIAL SEAL OF THE COUNTY OF CHAUTAUQUA

CHAUTAUQUA COUNTY CLERK