



Period Review Report Golden Road Disposal Site NYSDEC Site Number 828021

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233



Prepared by

EA Engineering, P.C. and Its Affiliate
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October 2022
Version: FINAL
EA Project No. 1602523.07

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A handwritten signature in black ink, appearing to read "Donald Conan".

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5 October 2022

Date

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EA Science and Technology

5 October 2022

Date

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LIST OF ACRONYMS AND ABBREVIATIONS

amsl	Above mean sea level
CEMC	Chevron Environmental Management Company
cy	Cubic yard(s)
DER	Division of Environmental Remediation
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EPA	U.S. Environmental Protection Agency
ESD	Explanation of significant difference
Fe	Iron
FER	Final Engineering Report
ft	Foot (feet)
IC	Institutional control
EC	Engineering control
Mg	Magnesium
Na	Sodium
No.	Number
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated biphenyl
PDB	Passive diffusion bag
PDI	Pre-Design Investigation
P.E.	Professional Engineer
PFAS	Per-and polyfluoroalkyl substances
P.G.	Professional Geologist
PRR	Period Review Report
PVC	Polyvinyl chloride
RAWP	Remedial Action Work Plan
RD	Remedial design
RI	Remedial investigation
ROD	Record of Decision
RP	Responsible Party
SCG	Standards, criteria, and guidance
SI	Site inspection
SMP	Site Management Plan
SSF	State Superfund
SVOC	Semivolatile organic compound
VOC	Volatile organic compound

ES. EXECUTIVE SUMMARY

Table ES-1. Site Summary

Category	Summary/Results
Site Name/Site Number	Golden Road Disposal Site (Site Number 828021)
Institutional Controls	<ul style="list-style-type: none"> • Groundwater and Land Use Restrictions • SMP; Institutional Control/Engineering Control Plan; Monitoring Plan • Environmental Notice
SMP	SMP – October 2012
Certification/Reporting Period	<p>Certification Period: Annually, or as indicated by the NYSDEC.</p> <p>PRR Period: Within 60 days of the first annual inspection and monitoring round following issuance of Certification of Compliance or equivalent document. This PRR is the first to be completed for the Site since the SMP was approved in October 2012 and covers the period 1 October 2014 through 18 April 2022.</p>
Inspection	Frequency
Site Inspection	Annually initially, and then as approved by the NYSDEC in the PRR.
Monitoring	Frequency
Groundwater	Annually initially, and then as approved by the NYSDEC in the PRR.
Prior PRR Recommendations	This PRR is the first to be completed for the Site since the SMP was approved in October 2012. No site management reports were completed for the Site.
Site Management Activities	<ul style="list-style-type: none"> • October 2014 groundwater sampling event conducted by NYSDEC • 2021 emerging contaminant sampling • May 2021 site inspection conducted by EA • November 2021 groundwater sampling event conducted by EA
Site Inspection Findings/Concerns	<ul style="list-style-type: none"> • Vegetative overgrowth • GW-10 and GW-15 damaged; GW-05 and GW-03 missing • Metal debris
Groundwater Monitoring Findings/Results	<ul style="list-style-type: none"> • An Emerging Contaminant Form 1 was completed for the Site following the sampling in 2021 stating that no further action with regard to the emerging contaminants 1,4-dioxane and PFAS is required • No volatile organic compound/semivolatile organic compound concentrations reported in exceedance of applicable standards, criteria, and guidance • Metal exceedances (Fe, Mg, Na) consistent with background/historical results
Recommendations	<ul style="list-style-type: none"> • Well abandonment and discuss path forward for delisting site

Notes:

EA = EA Engineering, P.C. and its affiliate EA Science and Technology

Fe = Iron

Mg = Magnesium

Na = Sodium

NYSDEC = New York State Department of Environmental Conservation

PRR = Period Review Report

SMP = Site Management Plan

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1. INTRODUCTION

EA Engineering, P.C. and its affiliate EA Science and Technology (EA) was tasked by the New York State Department of Environmental Conservation (NYSDEC) under State Superfund Standby Contract Work Assignment Number (No.) D009806-23 to prepare a Periodic Review Report (PRR) for the Golden Road Disposal Site (Site), which covers the period January through December 2021. The purpose of this PRR is to summarize and evaluate the remedy implemented at the Site, relative to the requirements of the Record of Decision (ROD) dated October 2002 (NYSDEC 2002). The information provided in this report summarizes the site inspection and sampling activities that were performed by EA at the request of NYSDEC. This report was prepared in accordance with the NYSDEC Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation (NYSDEC 2010). A site summary and applicable remedial program information are summarized in the sections below.

1.1 SITE LOCATION AND DESCRIPTION

The Site is located in a rural residential area on the west side of Golden Road in the Town of Chili, County of Monroe, New York (**Figure 1**), and is identified as Section 132.20 Block 01 and Lot 003 on the Chili Tax Map. The Site is currently an undeveloped former disposal site with no existing structures. It is bounded by a railway system owned by CSX Corporation, Inc. to the north, NYS Route 490 to the south, a residential property to the east, and undeveloped land to the west.

The 7-acre parcel, formerly identified as the “south parcel” is an uneven fill area with mounds of fill (foundry sand) overgrown with vegetation (weeds, brush, and trees). The site is in a lowland area with poor drainage. Natural surface drainage has been significantly impacted by the construction of Interstate 490 to the south, and the railroad tracks that run through the center of the site. It falls off steeply on the south, east, and west to a seasonal deciduous forested wetland area. Surface water in the south parcel drains south and west into the deciduous forested wetland area.

Formerly, the Site also included a 12-acre northern parcel located to the north of the current Site boundaries (**Figure 2**). The north parcel is generally flat with building structures. It was bounded by residences to the north and east, railroad tracks to the south, and a wooded area to the west. This parcel was remediated previously and removed from the site description after the ROD (NYSDEC 2002) found that no consequential amounts of hazardous waste were identified on the north parcel. Therefore, the north parcel is not included in this PRR.

The Site is within a mile of an identified Potential Environmental Justice Area (NYSDEC 2020), comprised of a rural minority population percentage of 30.64 (**Figure 3**). The community is located hydraulically upgradient of the Site.

1.2 INVESTIGATION HISTORY

The Site was privately operated by Howard Fitzsimmons, Jr. from 1955 through 1976, during which time period a variety of wastes were disposed of, including household refuse, metal slag, fly ash, foundry sand, scrap metal, artillery shell casings, drums, used aboveground storage tanks, and junked vehicles. Fill material composed primarily of dark foundry sand, ashes and cinders

associated with past disposal activities lies over much of the site. Where it has been spread on the north parcel, it varies in thickness from 1 foot to 4 feet.

The Site was placed on the NYSDEC Inactive Hazardous Waste Registry on 12 August 1980. During the initial site inspection in 1983 by NYSDEC, over 200 drums in various stages of decay were discovered south of the tracks. Foundry sand was observed on both sides of the tracks as well. In 1984, the Golden Road Disposal Site was listed as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York (Registry). A "Class 2" site is a site where hazardous waste represents a significant threat to human health, or the environment and action is required. In 1985, the NYSDEC conducted a drum and limited soil removal. A total of 562 drums and containers, and 75 cubic yards of contaminated soil and debris were removed from the site south of the railroad tracks. Environmental testing revealed the presence of chlorinated and non-chlorinated solvents, high total organic carbon, organic solids with low flash points, polychlorinated biphenyls (PCBs), and waste oils.

A remedial investigation report (RI) was conducted in two phases, the first in September 1999 and the second in April 2000. The RI report identified soil, sediment, and groundwater impacted with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, and asbestos at the Site at concentrations exceeding the applicable environmental standards, criteria, and guidance values (SCGS) (URS Corporation 2000, 2001). Groundwater, drinking water, and surface water SCGs identified for the Site were based on NYSDEC Ambient Water Quality Standards (AWQS) and Part 5 of the New York State Sanitary Code. For soils, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 provides soil cleanup guidelines based on the protection of groundwater, background conditions, and health-based exposure scenarios. In addition, for soils, site specific background concentration levels can be considered for certain classes of contaminants, especially metals such as iron, magnesium, and sodium. Guidance values for evaluating contamination in sediments are provided by the 1999 NYSDEC "Technical Guidance for Screening Contaminated Sediments."

The identified VOCs of concern for the Site were benzene, toluene, ethylbenzene and xylene. Chlorinated solvents previously identified on the south parcel were addressed by the 1985 drum removal. The identified SVOCs of concern were polycyclic aromatic hydrocarbons (PAHs), including benzo(a)anthracene, benzo(a)pyrene and chrysene. PAHs are SVOCs normally associated with fossil fuel products. PCBs, also previously identified on the south parcel, were addressed by the 1985 drum removal as well. The identified metals of concern were chromium, nickel and zinc. These contaminants of concern (COCs) were found to be impacting soil, sediment, groundwater, and surface water at the Site. Following the RI, potential remedial alternatives were identified, screened, and evaluated in a feasibility study report (URS Corporation 2000).

A ROD was issued in 2002 and the selected remedy included hot spot remediation with off-site disposal and site regrading. Due to the different physical characteristics of the north and south parcels, each was addressed separately in the ROD. The remedy for the south parcel included excavation, off-site disposal of hazardous waste and contaminated soil from two hot spots on the south parcel and backfill with clean material. As part of the remedy, the southern fill surface was

to be regraded to improve drainage and a long-term groundwater monitoring program was established to monitor effectiveness of the remedy (NYSDEC 2002).

In October 2006, Chevron Environmental Management Company (CEMC) executed an Order on Consent with the NYSDEC to implement the selected remedy. A Pre-Design Investigation (PDI) Work Plan was prepared in 2007 and subsequently approved by the NYSDEC to allow for the collection of additional field data to complete the remedial design (RD) (ARCADIS 2007). In January and June 2008, ARCADIS implemented the PDI Work Plan at the Site to better delineate the extent of impacts designated for removal at the Site. The PDI also provided confirmatory sample data for the proposed excavation areas and waste characterization data for the materials that were disposed off-site during subsequent remedial activities.

In October 2008, the NYSDEC issued an Explanation of Significant Difference (ESD) to modify the selected remedy (NYSDEC 2008). Site visits and a wetland delineation were completed after the ROD was issued. The site was well vegetated with no visible signs of surface erosion, and it was decided that the best way to meet the remedial goal of limiting the migration of fill contaminants to the wetland would be to allow the current vegetation to remain in place, filling in low spots as necessary. The ROD had also included a provision to fill in the intermittent pond, however, the wetland delineation survey considered the pond as part of the wetland area. Given these new findings, the ESD proposed not regrading the site, not filling in the intermittent pond, and instead removing six inches of sediment from the pond followed by restoration. Under the ESD, the Site Management Plan (SMP) included a requirement for an evaluation of the potential for soil vapor intrusion if development of the Site property was proposed.

In June 2010, an RD/Remedial Action Work Plan (RAWP) was prepared for the Site and presented the remedial actions to be implemented to comply with the ROD and ESD remedy, which was subsequently approved by the NYSDEC (ARCADIS 2010). Implementation of the RD/RAWP removal actions by CEMC began in September 2010 and was completed by October 2010, with wetland restoration activities conducted in 2011. The results of the PDI are presented and discussed in Section 3 of the RD/RAWP. A Final Engineering Report (FER) documenting the implementation of the RD/RAWP was submitted to the NYSDEC in October 2012 (ARCADIS 2012a). The NYSDEC filed an Environmental Notice in September 2012.

1.3 REGULATORY REQUIREMENTS AND REMEDIAL GOAL

As specified in the ROD (NYSDEC 2002), the remediation goals for the site are to:

- Eliminate, to the extent practicable, exposure to hazardous waste and asbestos containing material
- Eliminate, to the extent practicable, exposures to hazardous waste-contaminated soil and sediment
- Prevent, to the extent practicable, the migration of contaminated waste into the adjacent deciduous forested wetland

- Prevent, to the extent practicable, the erosion and migration of fill material into the adjacent deciduous forested wetland
- Prevent, to the extent practicable, off-site migration of contaminated shallow groundwater that exceeds NYSDEC Class C Ambient Water Quality Criteria to the adjacent deciduous forested wetland
- Prevent, to the extent practicable, the use of groundwater from the south parcel without necessary water quality treatment.

1.4 REMEDIAL HISTORY

In 1985, the NYSDEC removed approximately 562 drums and containers and approximately 75 cubic yards (cy) of contaminated soil and debris from the Site as part of an emergency drum removal action.

Between 2010 and 2011, CEMC implemented the RD/RAWP to fulfill the requirements of the ROD and ESD. The remedial action activities generally consisted of excavation and off-site disposal of impacted soil and waste materials from five separate areas of the site – the Asbestos-Containing Material Area, the East Bank Area, the SS-2 Area, the Partially Buried Drum Area, and the Intermittent Pond Area. These areas are shown in **Figure 4**. Remedial actions performed as part of the RAWP included:

- Surficial cleanup, excavation and removal of impacted soil and sediment, asbestos containing materials, and other impacted materials in the Asbestos-Containing Material Area, the East Bank Area, the SS-2 Area, the Partially Buried Drum Area (waste drum identified in the ROD south-southwest of the Intermittent Pond), and the Intermittent Pond Area.
- Air monitoring for airborne particulates and volatile organic compounds.
- Post-excavation confirmatory sampling and analysis (for VOCs and PCBs).
- Backfilling and restoration (including revegetation).
- Off-site transportation and disposal of impacted materials.
- Restoration of wetland area.
- Submission of an Environmental Notice restricting land and groundwater use until cleanup criteria are satisfied.

1.5 REMAINING CONTAMINATION

As indicated by the confirmatory analytical results and observations made during implementation of the RD/RAWP, the removal actions completed in 2011 were successful in the removal of waste (asbestos area, East Bank Area, and drums), and of soil/sediment impacted with VOCs (East

Bank Area), SVOCs and metals (Intermittent Pond surface sediment), and pentachlorophenol (SS-2 Area) exceeding cleanup objectives (**Figure 4**).

Based on the removal actions that had been completed to date, and on the findings of previous investigations (discussed in Section 1.2; specifically, those conducted by URS in 1999 and 2000, and by ARCADIS in 2008), the following contamination exceeding standards, criteria, and guidance (SCG) was indicated to remain at the Site as of October 2012:

- Subsurface soil impacted with SVOCs and metals west and south of the East Bank Area.
- Sediment impacted with metals and SVOCs within the adjacent wetland and the Intermittent Pond (below the minimum 6 inches of imported backfill placed during implementation of the RD/RAWP).
- Groundwater impacted with VOCs and SVOCs (at one location within the East Bank Area) and metals (primarily iron, magnesium, manganese, and sodium, with lesser exceedances of lead, mercury, and thallium).

As stated in the ROD, removal of the waste and contaminated soil in the eastern hot spot eliminated the source of contamination to shallow groundwater and it was expected that any residual contaminated shallow groundwater would naturally attenuate to standards.

1.6 SITE MANAGEMENT AND RECLASS

All components of the site-wide remedy were completed no later than 2011. Following completion of remedial activities, the NYSDEC had approved an FER for the Site, which confirmed that the implementation of the remedy was consistent with the requirements in the ROD and ESD. The Site subsequently entered a monitoring phase. Management of contamination remaining at the Site, including any required monitoring, is controlled pursuant to a Site Management Plan (SMP) (ARCADIS 2012b). Institutional controls (IC) were required to ensure the protectiveness of the Site, and include:

- Ground water use restriction
- Land use restriction
- SMP
- IC/Engineering Control Plan
- Monitoring Plan
- Environmental Notice.

The required control, in the form of an Environmental Notice is currently in place and discussed further in Section 2.2.

Following cleanup activities, the NYSDEC determined that a significant threat to public health and the environment no longer existed at the Site, that the Site had been properly remediated and required site management; and that it therefore, qualified for Class 4 status on the Registry of Inactive Hazardous Waste Disposal Sites. The NYSDEC subsequently reclassified the Site from

Class 2 (significant threat to public health or environment – action required) to Class 4 (Site properly closed – requires continued management). As of February 2013, the Site required continued monitoring to confirm isolated groundwater contamination onsite is not migrating.

It is important to note that after the responsible party (RP) group (CEMC) completed field activities associated with the remedy, issued the FER, and the site was reclassified to Class 4, the RP group pursued a deed restriction as required in the ROD and Order on Consent but received a letter from the attorney for the Executrix of the Owner's Estate, that they cannot execute a deed restriction due to closure of the Estate and lack of a successor to the deceased Executrix. The NYSDEC proceeded with filing an Environmental Notice in September 2012.

A groundwater sampling event was completed on 8 October 2014 by NYSDEC. Monitoring wells GW-02, GW-10, GW-11, and GW-14 were sampled for SVOCs, VOCs, and metals as part of the effort. Given the complicated history and lack of site owner with no successor to the property, it appears that no monitoring (sampling or inspection) of the site has occurred since the October 2014 sampling event.

2. POST-REMEDIAL GROUNDWATER MONITORING AND INSTITUTIONAL CONTROL PLAN COMPLIANCE

A Post-Remedial Groundwater Monitoring and IC Plan was outlined in the 2012 SMP in order to address remaining contamination at the Site. The plan was designed to protect human health and the environment and provides: (1) the procedures for the implementation and management of all controls at the Site; (2) a description of the features to be evaluated during each required inspection and periodic review; and (3) any other provisions necessary to identify or establish methods for implementing the groundwater monitoring and ICs required by the Site.

2.1 POST-REMEDIAL GROUNDWATER MONITORING

Post-remedial groundwater monitoring and ICs are required to protect human health and the environment due to some contamination remaining at the Site. Post-remedial groundwater monitoring involves periodic sampling and analysis of groundwater at select monitoring well locations to evaluate the effectiveness of the ROD remedy for the Site with respect to groundwater quality. The monitoring well network used for monitoring the groundwater (GW-02, GW-03, GW-04, GW-10, GW-11, and GW-14 as defined in the SMP) is required to be maintained, such that the effectiveness of the monitoring will not be diminished. The details for monitoring groundwater are presented in Section 3. **Figure 2** shows the location of the existing monitoring wells.

Generally, monitoring will be considered complete when the cleanup objectives have been achieved as discussed in this section. Post-remedial groundwater monitoring activities will continue, until residual groundwater concentrations are found to be consistently below applicable standards, criteria, and guidance or have become asymptotic at an acceptable level over an extended period, or as otherwise approved by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional control measures will be evaluated by the NYSDEC.

2.2 INSTITUTIONAL CONTROLS

ICs for the Site include recording an Environmental Notice that requires the following:

- Limiting the use of groundwater at the Site as a potable or process water without necessary water quality treatment.
- An evaluation of the potential for soil vapor intrusion if development of the property is proposed in the future.
- A certification by the property owner to verify the above restrictions are being maintained. The property owner will submit to the NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the controlled property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC, and (2) nothing has occurred that impairs the ability of the controls to protect public health and the environment or that constitute a violation or failure to comply with

the SMP. The NYSDEC retains the right to access such controlled property at any time in order to evaluate the continued maintenance of any and all controls and conduct activities, as necessary, to ensure the SMP is implemented properly. This certification will be submitted annually, or an alternate period of time that the NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

Compliance with the Environmental Notice and the SMP by the Grantor and the Grantor's successors and assigns is required. ICs identified in the Environmental Notice may not be discontinued without an amendment to or extinguishment of the Environmental Notice.

2.3 SITE INSPECTIONS

In accordance with the SMP, inspections of the Site will be conducted by the site owner or by a representative of the NYSDEC if the SMP is implemented by the NYSDEC under the SSF Program at the frequency specified in the SMP schedule. In 2021, NYSDEC directed EA to perform this task. Inspections were conducted in accordance with procedures outlined in the Monitoring Plan of the SMP and will determine and/or document the following:

- Whether ICs continue to be protective of human health and the environment,
- Compliance with requirements of the SMP and the Environmental Notice,
- Sampling and analysis of appropriate media during monitoring events, as necessary,
- Whether site records are complete and up-to-date,
- Changes, or needed changes, to the monitoring system.

Reporting requirements are outlined in the PRR section (Section 4.3) of the SMP (ARCADIS 2012b).

2.4 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICATION

The certified IC/EC form is provided in **Appendix A** of this PRR. There are no ECs for the Golden Road Disposal Site. For the entirety of the certification/reporting period, no certification forms (to verify that ICs are being maintained) have been received from the property owner because no parties are laying claim to the property. Thus, no forms from the property owner are included as part of this PRR. With the exception of the property owner certification, EA certifies that the ICs are still in place for this reporting period.

3. MONITORING AND SAMPLING PLAN COMPLIANCE

The Monitoring Plan outlined in the SMP describes the measures for evaluating the performance and effectiveness of the Post-Remedial Groundwater Monitoring and IC Plan through periodic site inspections, groundwater sampling and analysis, and reporting. Besides the October 2014 groundwater sampling and the emerging contaminant (per-and polyfluoroalkyl substances [PFAS] and 1,4-dioxane) sampling that was completed by NYSDEC in 2021¹, the 2021 efforts are the first groundwater monitoring and site inspections to be conducted under the SMP since 2014.

3.1 2014 GROUNDWATER MONITORING

A groundwater sampling event was completed on 8 October 2014 by NYSDEC as a post-remedy baseline effort. NYSDEC provided a laboratory report containing the October 2014 analytical results via e-mail on 15 July 2021. Groundwater samples from monitoring wells GW-02, GW-10, GW-11, and GW-14 were submitted for laboratory analysis of VOCs (by EPA Method 8260C), SVOCs (by EPA Method 8270D), and Target Analyte List metals (SW6010C and SW7470A). Analytical results (detections only) are presented in **Table 1**. Results are compared to the NYSDEC groundwater standards and guidance values (6 New York Codes, Rules and Regulations Part 703.5 Water Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1 [NYSDEC 1998]).

No VOCs or SVOCs were reported at concentrations exceeding applicable SCGs in any of the groundwater samples collected during the October 2014 effort. Iron, magnesium, and sodium were the only metals reported at concentrations exceeding applicable SCGs, though it should be noted that elevated concentrations of these metals have historically been detected in groundwater samples collected from monitoring wells at the site including upgradient (or background) wells (i.e., GW-03 and GW-04) (URS Corporation 2000).

3.2 2021 SITE INSPECTION

Site inspections were performed on 18 May 2021 as part of an initial site visit and again on 10 November 2021 (as part of a groundwater monitoring event) to assess the conditions of the on-site monitoring wells (GW-02, GW-03, GW-04, GW-10, GW-11, and GW-14) and of the overall site. Though not included as part of the long-term monitoring well network, EA also attempted to locate wells GW-05 and GW-15 for inspection.

During both inspections, the Site appeared overgrown with vegetation, with dense wooded areas and undergrowth throughout much of the area. No signs of recent onsite construction or development were observed. Visible sheen was observed on standing water in the intermittent pond areas across much of the Site during the November 2021 monitoring event, particularly in the vicinity of GW-15. It is believed the sheen was caused by iron bacteria. The field team did not observe any odors or globules/petroleum. There was definite evidence of the sheen breaking, which is characteristic of iron sheen. Metal debris (e.g., small scrap metal, heavily corroded empty

¹ An Emerging Contaminant Form 1 was completed for the Site following the sampling in 2021 stating that no further action with regard to the emerging contaminants 1,4-dioxane and PFAS is required.

metal drum) were also found at the west end of the Site, near GW-15 and northeast (upgradient) of the SS-2 area (**Figure 4**).

EA located wells GW-14, GW-02, GW-10 and GW-11 from the access road. The steel casing of GW-10 had completely rusted through at its base at the water interface, such that the upper steel section of the casing hung freely propped up by the internal polyvinyl chloride (PVC) riser and could be lifted and removed with minimal effort. GW-15 was located in the densely wooded area at the west end of the Site and was observed to be significantly damaged, appearing as though it had been run over with a heavy vehicle. GW-05 could not be located. GW-03 and GW-04, located south of the Site, were accessed by vehicle from Route 490. GW-04 was located near the woodline, partially covered by undergrowth; the area around GW-04 was more heavily vegetated in November 2021 as compared to site photographs from May 2021. The outer protective casing was missing from GW-04 and was found in the undergrowth nearby. GW-03 could not be located during either of the inspections. Wells with intact outer protective casings were found locked; the locks were cut during the November 2021 monitoring event and subsequently replaced.

A map of the site layout and monitoring wells is presented on **Figure 2**. Daily field reports, field logs, and Site Inspection Reports are provided in **Appendix B, C, and D**, respectively.

3.3 2021 GROUNDWATER MONITORING

3.3.1 Groundwater Gauging

All located and accessible onsite wells were gauged using a water level meter as part of the 10–11 November 2021 groundwater monitoring event. Groundwater depths below monitoring well top of casings were used to estimate groundwater elevations and evaluate groundwater flow direction. Groundwater ranges in elevation from 561.01 feet (ft) above mean sea level (amsl) at GW-04 to 558.93 ft amsl at GW-11 and flows to the north northeast.

Table 2 summarizes the groundwater elevation data collected as part of the gauging event. **Figure 5** depicts corresponding groundwater elevation contours across the Site and the inferred groundwater flow direction.

Previous groundwater contour maps were generated using elevation data collected in the north parcel of the Site (since removed from the site description) and are influenced accordingly. However, there is no significant difference in the relative elevations of groundwater between previous investigations and those collected in November 2021.

3.3.2 Groundwater Sampling

EA performed groundwater sampling at the Site from 10 to 11 November 2021. Samples were collected from monitoring wells GW-02, GW-04, GW-10, GW-11, and GW-14. A field duplicate sample was taken at GW-14. GW-03 was the only well in the long-term monitoring program that could not be located and, therefore, was not sampled.

Wells were purged and sampled in accordance with U.S. Environmental Protection Agency (EPA) Low-Flow Groundwater Sampling Procedures using a peristaltic pump with dedicated silicone and polyethylene tubing. Water quality parameters were screened using a Horiba meter with flow-through cell and recorded until field parameters of pH, oxidation-reduction potential, dissolved oxygen, specific conductance, and turbidity reached stabilization in accordance with established criteria (EA 2020; EPA 1996). Groundwater purge forms are included as **Appendix E**.

Samples were collected for laboratory analysis using appropriate, laboratory-provided containers and placed in a cooler with ice for preservation at a temperature no greater than 4 degrees Celsius. All samples were submitted to Eurofins TestAmerica, Inc. for analysis on 11 November 2021.

3.3.3 Groundwater Sample Analytical Results

Groundwater samples were submitted for laboratory analysis of VOCs (by EPA Method 8260C), SVOCs (by EPA Method 8270D), and Target Analyte List metals (SW6010C and SW7470A). **Tables 3 through 5** summarize the analytical results for groundwater samples; results are compared to the NYSDEC groundwater standards and guidance values (6 New York Codes, Rules and Regulations Part 703.5 Water Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1 [NYSDEC 1998]). The laboratory analytical report and data validation report are included as **Appendixes F and G**, respectively.

Analytical results from the recent groundwater sampling effort were generally below the detection limits for VOCs and SVOCs. GW-14 was the only monitoring well to have a detection of either VOCs or SVOCs. PCE was detected in GW-14 at a concentration of 1.1 µg/L. No VOCs or SVOCs were reported at concentrations exceeding applicable SCGs in any of the groundwater samples collected during the November 2021 effort. Compared to the baseline post-remedy groundwater samples collected in 2014, the 2021 results are similar. Given the similarity in concentrations detected at the site in 2014 and in 2021, it appears that natural attenuation processes such as dispersion, dilution, or degradation continue to occur for chlorinated organics present at the site, as suggested would be the case in the ROD, and that the remedy remains protective of groundwater.

Groundwater samples from the 2021 effort had detections of aluminum, arsenic, barium, calcium, iron, magnesium, manganese, potassium, sodium, vanadium, and zinc. As with the samples collected in 2014, iron, magnesium, and sodium were the only metals reported at concentrations exceeding applicable SCGs. GW-04 had concentrations of iron, magnesium, and sodium comparable to downgradient wells (GW-02, GW-10, GW-11, and GW-14).

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4. GREEN REMEDIATION AND CLIMATE CHANGE RESILIENCE

Consistent with NYSDEC DER-31 Green Remediation Policy, this section provides a brief summary and qualitative assessment of the overall environmental impacts or environmental footprint of the Site for the current reporting period. In accordance with the NYSDEC's Executive Order No. 24, consideration has been given to reducing the consumption of energy and materials; and thereby, reducing the production of greenhouse gases, in the operation and maintenance of the Site. Implementation of NYSDEC DER-31 and Executive Order No. 24 have not compromised the selected remedy's protectiveness of public health and the environment, nor has it hindered achievement of the remedial goals established for the Site.

As each discrete step of any site operation and maintenance activity consumes resources and energy, consideration has been given to reducing/eliminating those activities, which may not be critical to the protectiveness of the selected remedy.

A critical infrastructure vulnerability assessment was not completed during this certifying period. Such an assessment could generally be utilized to evaluate the potential consequences climate changes may have on a Site, as well as any ongoing site management activities. The well network maintenance activities described in Section 3.2 were implemented to protect the aquifer from direct discharge and to promote proper sampling of the local water quality. These actions have the added effect of increasing the resiliency of the monitoring well network to withstand the impact of more frequent or more severe storms, weather events, flooding, and other impacts linked to climactic changes.

4.1 GREEN REMEDIATION ASSESSMENT

In accordance with the NYSDEC's DER-31 Green Remediation policy, the following section provides a qualitative assessment of the overall environmental impacts, or environmental footprint associated with the remedy.

4.1.1 Electric Usage

Implementation of the selected remedy does not directly use electricity as part of site management.

4.1.2 Fossil Fuel Usage

Implementation of the selected remedy does not directly use fossil fuels as part of site management; however, fossil fuels are indirectly used during the completion of maintenance and monitoring activities associated with the groundwater monitoring well network.

Indirect fossil fuel use results from completion of the following site-related activities:

- Transportation to and from the Site for monitoring, sampling, and well rehabilitation
- Off-site transportation and shipment of samples collected for laboratory analysis
- Disposal of waste generated at the Site.

4.1.3 Water Usage

Implementation of the selected remedy does not directly require the use of water at this Site. However, a *de minimis* quantity of water is used during sampling events for equipment decontamination.

4.1.4 Air Emissions

Implementation of the selected remedy does not directly emit contaminants to the air, nor impact air quality other than through the combustion of fossil fuels in vehicles, as described above.

4.1.5 Consumption of Materials and Generation of Waste

Monitoring, maintenance, and reporting activities associated with groundwater sampling events result in material consumption and the generation of waste. A summary of the current material consumption and waste generation activities for the site are summarized below:

- Personal protective equipment associated with groundwater sampling, such as nitrile gloves, etc.
- Consumables associated with groundwater sampling such as polyethylene tubing, paper towels, trash bags, etc.
- Packaging material and ice used to pack and preserve samples to be submitted for laboratory analysis
- Paper and office supplies associated with site logs, monitoring logs, and report preparation.
- Repair and replacement of equipment associated with the monitoring well network.

4.2 CLIMATE CHANGE VULNERABILITY ASSESSMENT

Increases in both the severity and frequency of storms and weather events, an increase in sea-level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuations, resulting from global climate change and instability, have the potential to significantly impact the performance, effectiveness, and protectiveness of a given site remedy. The intent of this vulnerability assessment is to provide information to allow the site remedy to better prepare for the impacts of the increasing frequency and intensity of severe storms, weather events, and associated flooding brought on by global climate changes and instabilities, in order to ultimately enhance the remedy's resilience to such events.

This section briefly summarizes the vulnerability of the site and/or the remedy to severe storms, weather events and associated flooding.

This assessment included consideration of the following:

- **Flood Plain**—The current monitoring well network lies immediately adjacent to low-lying wetlands. Given the site topography, it is reasonable to assume that severe rain events may cause temporary flooding of the Site. However, the overall performance and effectiveness of the monitoring wells would not be impacted.
- **Site Drainage and Storm Water Management**—The Site drains by overland flow northward to the railroad drainage ditch, and southward to the adjacent wetland. Like the overall site topography, the gradients of the drainage swales and drainage ditches onsite are generally quite low. However, the monitoring wells are located outside of the wetland in areas of higher elevation and all regrading efforts completed during the remedial action mitigated the environmental threat due to migration of fill contaminants to the wetlands.
- **Erosion**—There is no evidence of erosion at the Site, though there are berms and banks that may be susceptible to erosion during periods of severe rain events. Any erosion at these areas should not impact the monitoring well network.
- **High Wind**—The monitoring wells at the Site are stick-ups and may be susceptible to damage from falling trees resulting from periods of high winds.

4.3 CONSIDERATIONS FOR OPTIMIZATION OF PHYSICAL SYSTEMS

Environmental and energy conservation measures and other methods to reduce energy consumption, resource usage, waste generation, and water usage have been considered and are described below. During the certifying period, one groundwater sampling event was conducted, which required the purging of water from the observation wells prior to sampling. Pending the approval of recommendations in the following Section, monitoring wells may no longer be required for sampling and could be abandoned.

However, if sampling is to be continued, passive diffusion bags (PDB) would significantly reduce or negate the need for purging observation wells and would reduce or negate the need for associated equipment and energy/fuel consumption. VOCs in groundwater will diffuse across the bag material until constituent concentrations within the bag reach equilibrium with concentrations in the surrounding groundwater. Advantages of PDB samplers is that they are inexpensive and have the potential to eliminate or substantially reduce the amount of purge water associated with sampling. The samplers are easy to deploy and recover. Because PDB samplers are disposable, there is no down-hole equipment to be decontaminated between wells. The limitation of the PDB bags is the bags cannot be used to collect groundwater samples for the analysis of per- and polyfluoroalkyl substances or metals.

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5. CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Emerging contaminant sampling was completed in 2021 and an Emerging Contaminant Form 1 was completed for the Site stating that no further action with regard to the emerging contaminants 1,4-dioxane and PFAS is required. Based on a review of results from the October 2014 groundwater sampling, the May 2021 site visit and the November 2021 groundwater sampling and inspection event, the following conclusions can be made:

- No evidence of unauthorized site activity or land use was found.
- Monitoring wells GW-10 and GW-15 are damaged; GW-05 and GW-03 are missing. Based on the data available to EA, none of these wells were formerly impacted wells.
- Based on available data, groundwater elevations and flow direction are consistent with historical findings.
- No VOC/SVOC concentrations were found to exceed applicable SCGs; metal concentrations of Fe, Mg, and Na exceed applicable SCGs but are consistent with background/historical results. No detections of VOC/SVOC concentrations in groundwater indicate that the remedy was successful in removing any further contaminant sources from the area and reducing the availability of contaminants to be leached into groundwater.
- Institutional controls continue to be protective of human health and the environment.

5.2 RECOMMENDATIONS

As defined in the SMP (ARCADIS 2012b) and in accordance with DER-10 (NYSDEC 2010) remedial process closure requirements, post-remedial groundwater monitoring activities will continue, until residual groundwater concentrations are found to be consistently below applicable standards, criteria, and guidance or have become asymptotic at an acceptable level over an extended period, or as otherwise approved by the NYSDEC. Based on the observed condition of the Site from the May 2021 site visit and the results of the November 2021 groundwater sampling and inspection event, the following actions are recommended for the Golden Road Disposal Site:

- Termination of groundwater monitoring activities at the Site. Current conditions at the site indicate that the excavation of impacted soil and natural attenuation processes in groundwater have continued to be protective of groundwater, with no contaminant concentrations that exceed applicable SCGs as defined in the ROD.
- Abandonment of site monitoring wells (including those that are damaged).

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6. FUTURE SITE ACTIVITIES

Based on the recommendations in Section 5, the following site management activities will be completed during the next PRR reporting period:

- Discuss path forward for site with NYSDEC. If it is determined that termination of the groundwater monitoring program is acceptable, then proceed with abandonment of site monitoring wells (including those that are damaged).

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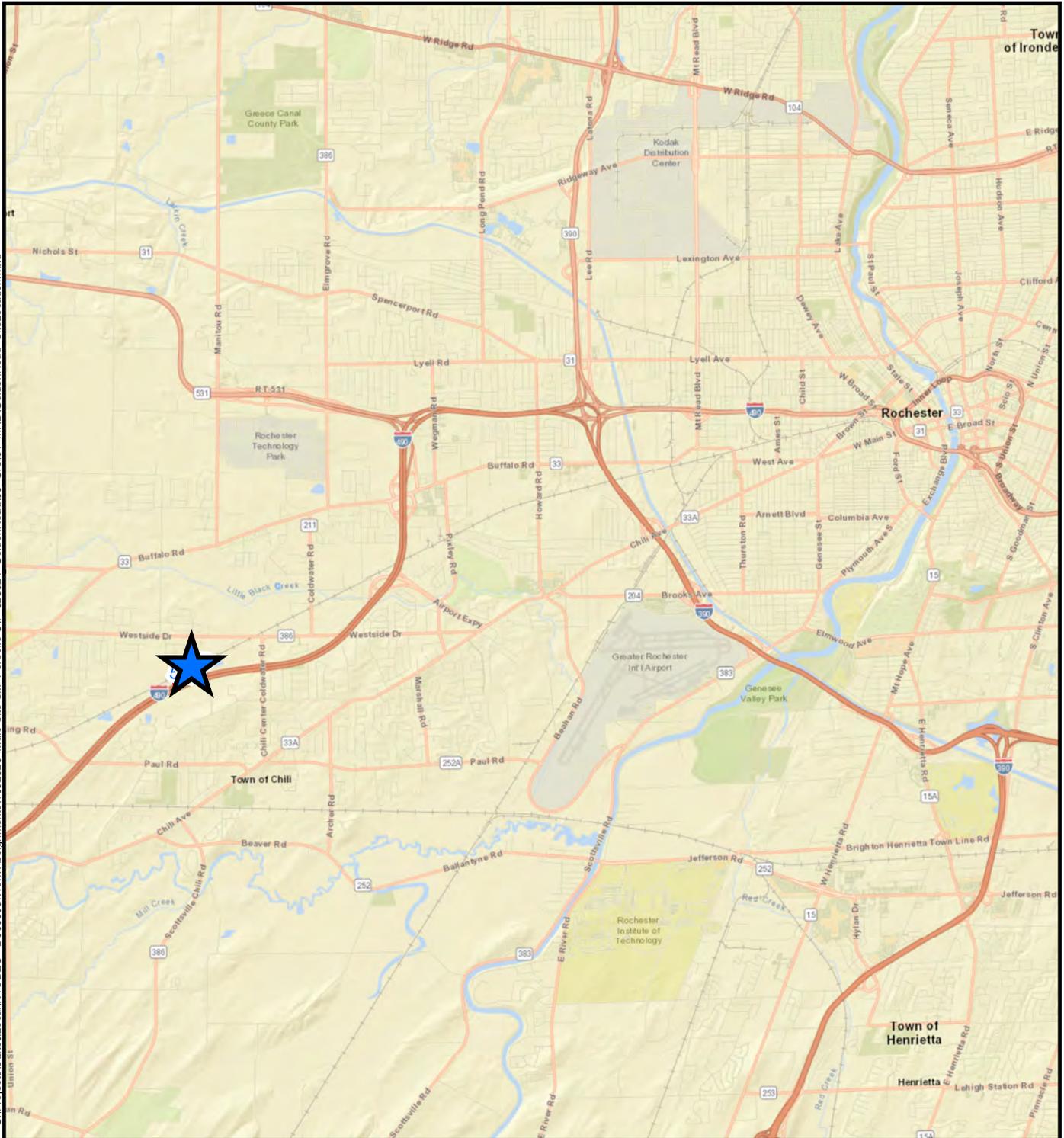
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Figures

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Legend

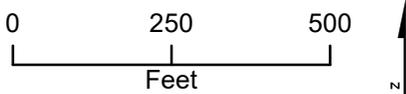
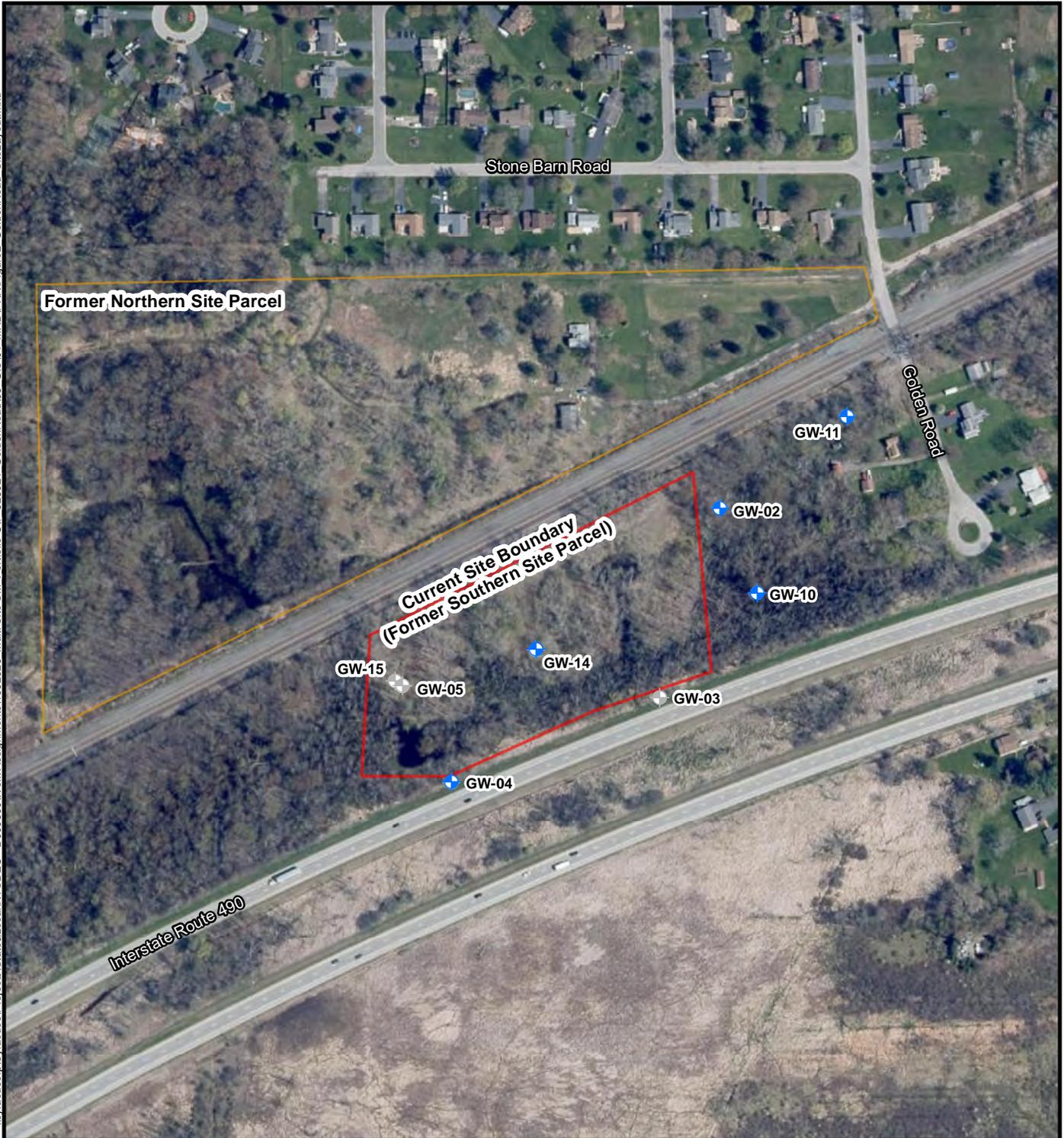
★ Site Location

Figure 1
SITE LOCATION
Golden Road Disposal Site (828021)
Rochester, New York



Map Date: 1/24/2022
Projection: State Plane West

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Legend

-  Monitoring Wells (Sampled)
-  Monitoring Wells (Missing/Destroyed)
-  Former Northern Site Parcel
-  Current Site Boundary

Figure 2
SITE LAYOUT
Golden Road Disposal Site (828021)
Rochester, New York

Map Date: 3/7/2022
Projection: State Plane West

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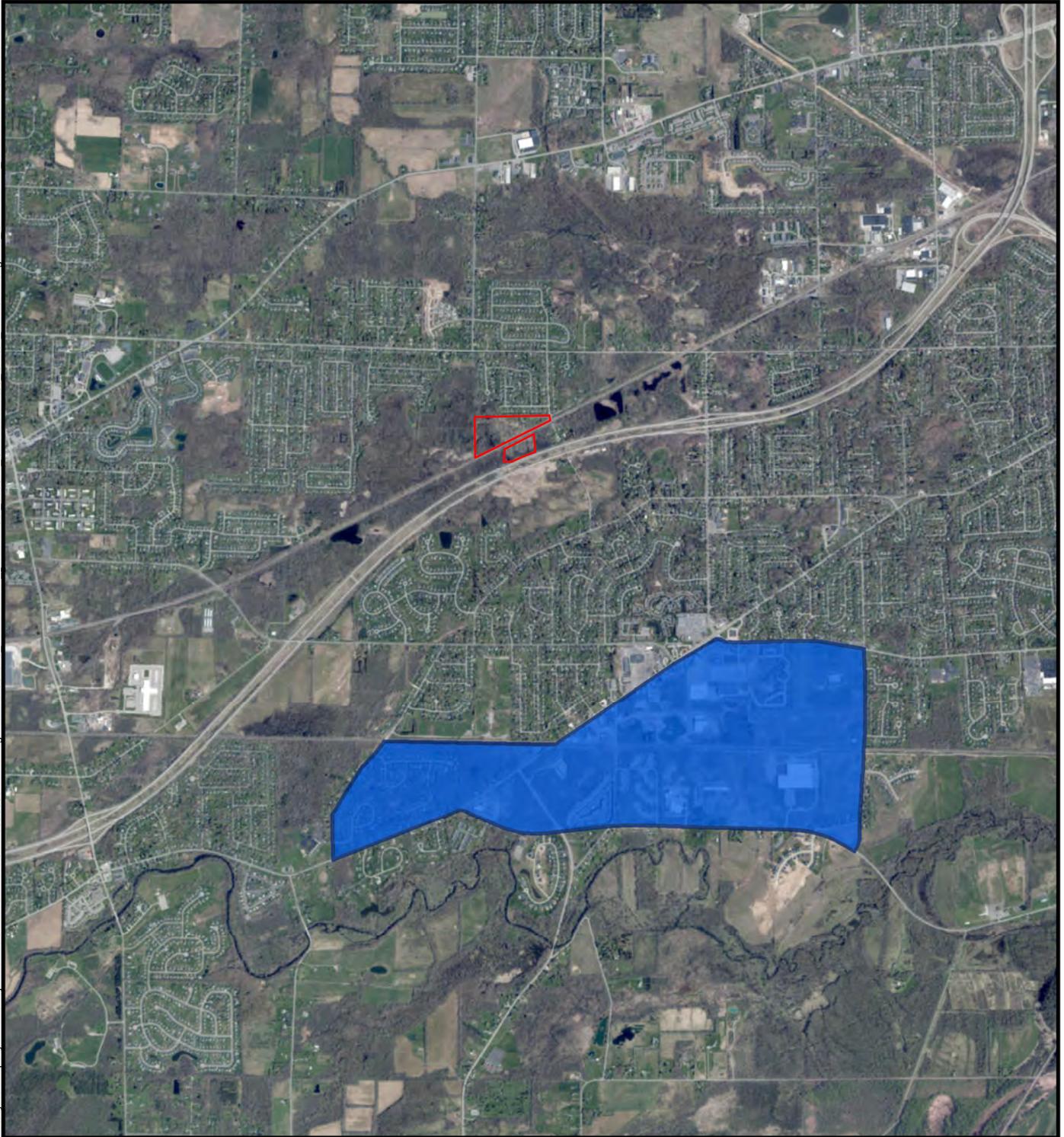


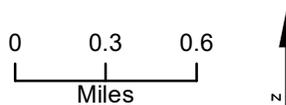
Figure 3

Environmental Justice Vicinity Map
Golden Road Disposal Site (828021)
Rochester, New York



Legend

-  Site Boundary
-  Potential Environmental Justice Area

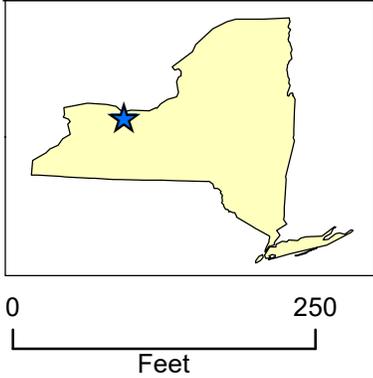


Map Date: 3/25/2022
Projection: State Plane West

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**Current Site Boundary
(Former Southern Site Parcel)**



- Legend**
- ◆ Monitoring Wells (Sampled)
 - ◆ Monitoring Wells (Missing/Destroyed)
 - Wetland Boundary
 - Former Northern Site Parcel
 - Current Site Boundary
 - Limits of Removal

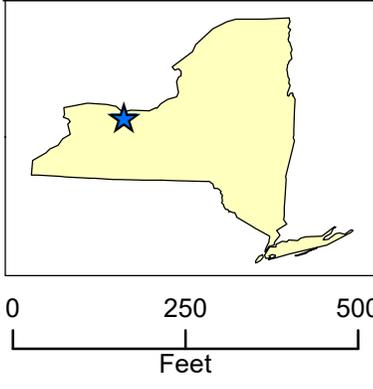
Figure 4
AREAS WITH REMAINING CONTAMINATION
 Golden Road Disposal Site (828021)
 Rochester, New York

Map Date: 3/7/2022
 Projection: State Plane West





Note: Top of casing elevations not available for GW-14; well was excluded from groundwater elevation calculations.



- Legend**
- Monitoring Wells (Sampled)
 - Monitoring Wells (Missing/Destroyed)
 - Estimated Groundwater Elevation (ft amsl)
 - Estimated Groundwater Flow Direction
 - Site Boundary

Figure 5
GROUNDWATER ELEVATIONS AND ESTIMATED FLOW DIRECTION
 (NOVEMBER 2021)
 Golden Road Disposal Site (828021)
 Rochester, New York

Map Date: 4/7/2022
 Projection: State Plane West

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Tables

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Table 1. Detected Concentrations in Groundwater Samples (October 2014)

Analyte	Sample Name	GW-02	GW-10	GW-11	GW-14	DUP	NYSDEC AWQS Class GA
	Parent Sample ID					GW-02	
	Sample Date	10/8/2014	10/8/2014	10/8/2014	10/8/2014	10/8/2014	
SVOCs by EPA Method 8270D							
Benzaldehyde	µg/L	0.52 JB	0.90 JB	0.54 JB	0.70 JB	0.56 JB	NSL
Di-N-Butyl Phthalate	µg/L	0.37 J	0.34 J	< 4.8 U	0.34 J	0.37 J	50
Total Metals (SW6010C and SW7470A)							
Aluminum	mg/L	< 0.20 U	< 0.20 U	1.2	< 0.20 U	< 0.20 U	NSL
Arsenic	mg/L	< 0.015 U	0.010 J	0.0065 J	0.015	< 0.015 U	0.025
Barium	mg/L	0.051	0.14	0.087	0.11	0.05	1
Cadmium	mg/L	0.0012 J	< 0.0020 U	< 0.0020 U	< 0.0020 U	< 0.0020 U	0.005
Calcium	mg/L	176	121	160	128	176	NSL
Chromium, Total	mg/L	0.0012 J	0.0013 J	0.0027 J	0.0010 J	0.0013 J	0.05
Cobalt	mg/L	< 0.0040 U	< 0.0040 U	< 0.0040 U	0.00071 J	< 0.0040 U	0.005
Iron	mg/L	0.78	2.7	3.4	5.3	0.77	0.3
Lead	mg/L	0.0045 J	0.0054 J	0.0049 J	0.0035 J	< 0.010 U	0.025
Magnesium	mg/L	49.1	49.4	50.1	54	48.1	35
Manganese	mg/L	0.035	0.12	0.081	0.14	0.034	0.3
Nickel	mg/L	0.0020 JB	0.0019 JB	0.0028 JB	0.0017 JB	0.0021 JB	0.1
Potassium	mg/L	2.4	2.4	3.1	1.5	2.4	NSL
Sodium	mg/L	72.7	63.1	66.6	101	71.6	20
Vanadium	mg/L	< 0.0050 U	< 0.0050 U	0.0024 J	0.0028 J	< 0.0050 U	NSL
Zinc	mg/L	0.017	0.012 B	0.026 B	0.0037 JB	0.016 B	2

Notes:

µg/L = Microgram(s) per Liter

mg/L = Milligrams per Liter

AWQS = Ambient water quality standards

EPA = U.S. Environmental Protection Agency

ID = Identification

B = Analyte found in sample and associated blank.

J = Estimated value

NSL = No screening level available

NYSDEC = New York State Department of Environmental Conservation

U = Not detected

SVOC = Semivolatile organic compound

Groundwater Screening Level = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

Table 2. November 2021 Groundwater Elevations

Well ID	Top of PVC Casing Elevation (ft amsl)^(a)	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
GW-02	561.88	2.53	559.35
GW-04	561.67	0.66	561.01
GW-10	560.93	1.22	559.71
GW-11	563.48	4.55	558.93
GW-14	Not Available	7.17	Not Available

Notes:

^(a) URS Greiner 2000 RI Report. Vertical values are referenced to the North American Vertical Datum of 1988 (NAVD 88)

amsl = Above mean sea level

ft = Foot (feet)

ID = Identification

TOC = Top of polyvinyl chloride casing

Table 3. Summary of SVOC Concentrations in Groundwater Samples (November 2021)

Analyte	Sample Name	GW-02	GW-04	GW-10	GW-11	DUP-11112021	GW-14	NYSDEC AWQS Class GA (µg/L)
	Parent Sample ID					GW-14		
	Sample Date	11/10/2021	11/10/2021	11/10/2021	11/10/2021	11/11/2021	11/11/2021	
SVOCs by EPA Method 8270D								
2,4,5-Trichlorophenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
2,4,6-Trichlorophenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
2,4-Dichlorophenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
2,4-Dimethylphenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
2,4-Dinitrophenol	µg/L	< 10 U	< 10 U	10				
2,4-Dinitrotoluene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
2,6-Dinitrotoluene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
2-Chloronaphthalene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	10
2-Chlorophenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	1
2-Methylnaphthalene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
2-Methylphenol (O-Cresol)	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
2-Nitroaniline	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	5
2-Nitrophenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
3,3'-Dichlorobenzidine	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
3-Nitroaniline	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	5
4,6-Dinitro-2-Methylphenol	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NSL
4-Bromophenyl Phenyl Ether	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
4-Chloro-3-Methylphenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
4-Chloroaniline	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
4-Chlorophenyl Phenyl Ether	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
4-Methylphenol (P-Cresol)	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	0.40 J	NSL
4-Nitroaniline	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	5
4-Nitrophenol	µg/L	< 10 U	< 10 U	NSL				
Acenaphthene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	20
Acenaphthylene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Acetophenone	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Anthracene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Atrazine	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Benzaldehyde	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Benzo(A)Anthracene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.002
Benzo(A)Pyrene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Benzo(B)Fluoranthene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.002
Benzo(G,H,I)Perylene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Benzo(K)Fluoranthene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.002
Benzyl Butyl Phthalate	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Biphenyl (Diphenyl)	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5

Table 3. Summary of SVOC Concentrations in Groundwater Samples (November 2021)

Analyte	Sample Name	GW-02	GW-04	GW-10	GW-11	DUP-11112021	GW-14	NYSDEC AWQS Class GA (µg/L)
	Parent Sample ID					GW-14		
	Sample Date	11/10/2021	11/10/2021	11/10/2021	11/10/2021	11/11/2021	11/11/2021	
Bis(2-Chloroethoxy) Methane	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	1
Bis(2-Chloroisopropyl) Ether	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
Bis(2-Ethylhexyl) Phthalate	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
Caprolactam	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Carbazole	µg/L	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.2 UJ	< 5.0 UJ	< 5.0 UJ	NSL
Chrysene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.002
Dibenz(A,H)Anthracene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Dibenzofuran	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NSL
Diethyl Phthalate	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Dimethyl Phthalate	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Di-N-Butyl Phthalate	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	0.36 J	< 5.0 U	< 5.0 U	50
Di-N-Octylphthalate	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Fluoranthene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Fluorene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Hexachlorobenzene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.04
Hexachlorobutadiene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.5
Hexachlorocyclopentadiene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
Hexachloroethane	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	5
Indeno(1,2,3-C,D)Pyrene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.002
Isophorone	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Naphthalene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	10
Nitrobenzene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	0.4
N-Nitrosodi-N-Propylamine	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
N-Nitrosodiphenylamine	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Pentachlorophenol	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	1
Phenanthrene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50
Phenol	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	NSL
Pyrene	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 U	< 5.0 U	< 5.0 U	50

Notes:

- µg/L = Microgram(s) per Liter
- AWQS = Ambient water quality standards
- EPA = U.S. Environmental Protection Agency
- ID = Identification
- H = Exceeding hold time
- NSL = No screening level available
- NYSDEC = New York State Department of Environmental Conservation
- T = Indicates that a quality control parameter has exceeded laboratory limits
- U = Not detected
- SVOC = Semivolatile organic compound
- Groundwater Screening Level = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

Table 4. Summary of VOC Concentrations in Groundwater Samples (November 2021)

Analyte	Sample Name	GW-02	GW-04	GW-10	GW-11	GW-14	DUP-11112021	NYSDEC AWQS Class GA (µg/L)
	Parent Sample ID	---	---	---	---	---	GW-14	
	Sample Date	11/10/2021	11/10/2021	11/10/2021	11/10/2021	11/11/2021	11/11/2021	
VOCs by EPA Method 8260C								
1,1,1-Trichloroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
1,1,2,2-Tetrachloroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
1,1,2-Trichloroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	1
1,1-Dichloroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
1,1-Dichloroethene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
1,2,4-Trichlorobenzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
1,2-Dibromo-3-Chloropropane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	0.04
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	NSL
1,2-Dichlorobenzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	3
1,2-Dichloroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	0.6
1,2-Dichloropropane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	1
1,3-Dichlorobenzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	3
1,4-Dichlorobenzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	3
2-Hexanone	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	50
Acetone	µg/L	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 20 UJ	< 20 UJ	50
Benzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	1
Bromodichloromethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	50
Bromoform	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	50
Bromomethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Carbon Disulfide	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	60
Carbon Tetrachloride	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Chlorobenzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Chloroethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Chloroform	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	7
Chloromethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	NSL
Cis-1,2-Dichloroethylene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Cis-1,3-Dichloropropene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	0.4
Cyclohexane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	NSL
Dibromochloromethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	50
Dichlorodifluoromethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Ethylbenzene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Isopropylbenzene (Cumene)	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Methyl Acetate	µg/L	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 5.0 U	< 5.0 U	NSL
Methyl Ethyl Ketone (2-Butanone)	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	50
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	NSL
Methylcyclohexane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	NSL
Methylene Chloride	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Styrene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Tert-Butyl Methyl Ether	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	10
Tetrachloroethylene (PCE)	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	1.1 J	< 2.0 U	5
Toluene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Trans-1,2-Dichloroethene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Trans-1,3-Dichloropropene	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	0.4
Trichloroethylene (TCE)	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Trichlorofluoromethane	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	5
Vinyl Chloride	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	2
Xylenes	µg/L	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 4.0 U	< 4.0 U	5

Notes:
µg/L = Microgram(s) per Liter
AWQS = Ambient water quality standards
EPA = U.S. Environmental Protection Agency
ID = Identification
J = Estimated value
NSL = No screening level available
NYSDEC = New York State Department of Environmental Conservation
PCE = Tetrachloroethylene
T = Indicates that a quality control parameter has exceeded laboratory limits
TCE = Trichloroethylene
U = Not detected
VOC = Volatile organic compound
Groundwater Screening Level = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

Table 5. Summary of Metal Concentrations in Groundwater Samples (November 2021)

Analyte	Sample Name	GW-02	GW-04	GW-10	GW-11	GW-14	DUP-11112021	NYSDEC AWQS Class GA (mg/L)
	Parent Sample ID	---	---	---	---	---	GW-14	
	Sample Date	11/10/2021	11/10/2021	11/10/2021	11/10/2021	11/11/2021	11/11/2021	
Total Metals (SW6010C and SW7470A)								
Aluminum	mg/L	< 0.20 U	< 0.20 U	< 0.20 U	0.2	< 0.20 U	< 0.20 U	NSL
Antimony	mg/L	< 0.020 U	0.003					
Arsenic	mg/L	< 0.015 U	< 0.015 U	< 0.015 U	< 0.015 U	0.013 J	0.010 J	0.025
Barium	mg/L	0.06	0.13	0.086	0.08	0.2	0.19	1
Beryllium	mg/L	< 0.0020 U	0.003					
Cadmium	mg/L	< 0.0020 U	0.005					
Calcium	mg/L	194	145	116	160	125	124	NSL
Chromium, Total	mg/L	< 0.0040 U	0.05					
Cobalt	mg/L	< 0.0040 U	NSL					
Copper	mg/L	< 0.010 U	0.2					
Iron	mg/L	0.79	0.37	0.77	1.4	5.4	5.1	0.3
Lead	mg/L	< 0.010 U	0.025					
Magnesium	mg/L	50.6	46	42.1	47.3	49.4	48.9	35
Manganese	mg/L	0.052	0.027	0.091	0.063	0.16	0.16	0.3
Mercury	mg/L	< 0.00020 U	0.0007					
Nickel	mg/L	< 0.010 U	0.1					
Potassium	mg/L	2.7	2.7	2.5	2.7	1.5	1.4	NSL
Selenium	mg/L	< 0.025 U	0.01					
Silver	mg/L	< 0.0060 U	0.05					
Sodium	mg/L	81.7	140	67.5	76.5	81.6	80.5	20
Thallium	mg/L	< 0.020 U	0.0005					
Vanadium	mg/L	< 0.0050 U	< 0.0050 U	< 0.0050 U	< 0.0050 U	0.0017 J	0.0017 J	NSL
Zinc	mg/L	0.017	< 0.010 U	0.0036 J	0.012	< 0.010 U	< 0.010 U	2

Notes:

mg/L = Milligram(s) per Liter

AWQS = Ambient Water Quality Standards

ID = Identification

J = Estimated value

U = Not detected

NSL = No screening level available

NYSDEC = New York State Department of Conservation

Groundwater Screening Level = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

Results exceeding the Groundwater Screening Levels are bolded and shaded gray.

Appendix A

Institutional Control/Engineering Control Certification Form

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Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
132.20-1-3.2	Estate of Howard Fitzsimmons, Jr.	Ground Water Use Restriction Landuse Restriction Site Management Plan Monitoring Plan O&M Plan IC/EC Plan

The Property is subject to an Environmental Notice requiring:

Prior written approval where contamination remains at the Property subject to the provisions of the Site Management Plan (SMP) for disturbance or excavation which threatens the integrity of the engineering controls or which results or may result in a significantly increased threat of harm or damage at any site as a result of exposure to soils.

No disturbance, removal, or interference with the installation, use, operations, and maintenance of engineering controls required without approval.

Use as undeveloped land or for industrial purposes.

No use of groundwater without treatment rendering it safe for drinking water or industrial purposes.

No use of the Property in a manner inconsistent with the environmental notice.

132.200-01-002 FRONTIER PIPE LINE CO INC
Ground Water Use Restriction
12/12/12 E. Hampston: The origin of this record is not known but is believed related to the import of information into UIS. Westside Drive is not a part of the defined site. Other than the existing Environmental Notice filed in September 2012, no other property restrictions (deed or easement) are known to exist for the limits of the State Superfund site.

132.200-01-003 FITZ SIMONS HOWARD J JR
Ground Water Use Restriction
12/12/12 E. Hampston: The origin of this record is not known but is believed related to the import of information into UIS. This property was delisted via a boundary modification prior to ROD and is not a part of the defined site. Other than the existing Environmental Notice filed in September 2012, no other property restrictions (deed or easement) are known to exist for the limits of the State Superfund site.

132.200-01-004 HYDE GORDON
Ground Water Use Restriction
12/12/12 E. Hampston: The origin of this record is not known but is believed related to the import of information into UIS. The property borders the defined site but is not a part of the site. Other than the existing Environmental Notice filed in September 2012, no other property restrictions (deed or easement) are known to exist for the limits of the State Superfund site.

Description of Engineering Controls

None Required

Not Applicable/No EC's

Periodic Review Report (PRR) Certification Statements

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

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification; *N/A - see below and Box 4*

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

YES NO

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

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

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

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

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

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

YES NO

N/A

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 828021

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

EA ENGINEERING, P.C.
269 WEST JEFFERSON ST.

I JAMES C. HAYWARD at SYRACUSE, NY 13202
print name print business address

am certifying as designated representative (Owner or Remedial Party)
for NYSDEC

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

James C. Hayward
Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5 OCT 2022
Date

Appendix B

Daily Field Reports

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DAILY FIELD REPORT

Day: Tuesday Date: 18 May 2021



Department of Environmental Conservation

Temperature: (F) 80° F

Project Name: Golden Road Disposal Site

Wind Direction: n/a

Weather: (am) sunny

NYSDEC Site # 828021

Work Assignment # 1602523

Arrive at site: 1430 (pm)

Location: Chili, New York

Leave site: 1530 (pm)

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? (If yes, list the deviation under items for concern)

Yes () No (x)

Are monitoring results at acceptable levels?

Soil

Yes () n/a (x) * No ()

Waters

Yes () n/a (x) * No ()

Air

Yes () n/a (x) * No ()

OTHER ITEMS:

- If No, provide comments

Site Sketch Attached: Yes () No (x)

Photos Taken: Yes (x) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

(1430) H. Williams, N. Carfi and H. Young arrived at Golden Road Site, specifically 189 Golden Road, Chili New York. Site looked very overgrown, wooded area and shrubbery overtaking gravel access road that leads back to the site and separated by intermittent pond areas. EA able to find wells GW-14, GW-2, GW-10 and GW-11 from the access road path and pink flagging. All wells were locked and no access to cutters was available. EA traveled by car around the site to access wells GW-3 & GW-4 from Route 490 and could only locate well GW-4, not GW-3. GW-5 was discovered on a separate map after site visit but is most likely accessible. (1530) EA offsite to finish filling out inspection forms.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Hilary Williams; Nicole Carfi; Haley Young

NYSDEC personnel: None

Subcontractor personnel: None

EA equipment*: 2020 Ford Explorer

Subcontractor Equipment: None

(*Indicates active equipment)

VISITORS TO SITE:

Daily Field Report

PROJECT SCHEDULE ISSUES:

None.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

GW-3 & GW-4 only accessible from Route 490 with fast/ heavy traffic. GW-3 could not be located.

COMMENTS:

In order to open wells, bolt cutter will be needed. All wells located were stick ups.

ATTACHMENT(S) TO THIS REPORT:

Photolog

SITE REPRESENTATIVE:

Name: H. Williams

A handwritten signature in blue ink that reads "Hilary Williams". The signature is written in a cursive style with a large initial 'H'.

cc:

Gravel/Dirt Access Road



Lock type on wells (GW-14)



GW-2 with pink flagging



GW-2 closeup and lock



Shrubbery and pink flagging markers



Intermittent Pond Area – heading toward GW-10



GW-11 with lock



GW-4 (Route 490 – locked with no metal casing)





Department of Environmental Conservation

Temperature: (F) 55° F

Project Name: Golden Road Disposal Site

Wind Direction: WNW 6 mph

Weather: Mostly clear, scattered clouds

NYSDEC Site # 828021

Work Assignment # 1602523

Arrive at site: 0800

Location: Chili, New York

Leave site: 1533

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan? (If yes, list the deviation under items for concern) Yes () No (x)

Are monitoring results at acceptable levels?	Soil	Yes ()	n/a (x)	* No ()
	Waters	Yes ()	n/a (x)	* No ()
	Air	Yes ()	n/a (x)	* No ()

• If No, provide comments

OTHER ITEMS:

Site Sketch Attached: Yes () No (x)
 Photos Taken: Yes (x) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

(0800) J. Fontaine and E. Fenner arrived onsite. Purchased ice for sample cooler. Consulted site map, located access road and nearby features. (0835) Conducted site walk/site inspection and began synoptic gauging of monitoring wells. Could not locate GW-05 or GW-03. (1109) Began purging GW-04; (1144) sampled GW-04. (1306) Began purging GW-10; (1338) sampled GW-10. (1350) Began purging GW-02; (1419) sampled GW-02. (1449) Began purging GW-11; (1511) sampled GW-11. Loaded up sampling equipment and field supplies. Spoke briefly with local resident about the site. (1533) EA offsite.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Jeremy Fontaine; Emily Fenner

NYSDEC personnel: None

Subcontractor personnel: None

EA equipment*: 2015 Ford Escape

Subcontractor Equipment: None

(*Indicates active equipment)

DAILY FIELD REPORT

Day: Wednesday Date: 10 November 2021

VISITORS TO SITE:

None.

PROJECT SCHEDULE ISSUES:

None.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

GW-03 and GW-04 are only accessible from the shoulder of Route 490 – heavy traffic; several police officers stopped to check in with us while purging and sampling GW-04.

GW-03 and GW-05 could not be located.

Steel casing of GW-10 is damaged – rusted through and detached from base. GW-15 is destroyed.

COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

Site photos.

SITE REPRESENTATIVE:

Name: J. Fontaine

cc:

GW-14



GW-15



GW-15



GW-10



GW-10



GW-10



GW-10



Location of GW-04



GW-04



GW-04



DAILY FIELD REPORT

Day: Thursday Date: 11 November 2021



**Department of
Environmental
Conservation**

Temperature: (F) 54° F

Project Name: Golden Road Disposal Site

Wind Direction: ESE 12 mph

Weather: Mostly cloudy

NYSDEC Site # 828021

Work Assignment # 1602523

Arrive at site: 0800

Location: Chili, New York

Leave site: 1015

HEALTH & SAFETY:

Are there any changes to the Health & Safety Plan?
(If yes, list the deviation under items for concern)

Yes () No (x)

Are monitoring results at acceptable levels?

Soil
Waters
Air

Yes () n/a (x) * No ()
Yes () n/a (x) * No ()
Yes () n/a (x) * No ()

- *If No, provide comments*

OTHER ITEMS:

Site Sketch Attached: Yes () No (x)
Photos Taken: Yes (x) No ()

DESCRIPTION OF DAILY WORK PERFORMED:

(0800) J. Fontaine and E. Fenner arrived onsite. Set up at GW-14. (0815) Began purging GW-14; (0838) sampled GW-14 (duplicate sample collected at this location). (0912) Loaded sampling equipment/supplies into vehicle. Left site to purchase replacement locks for monitoring well casings. (0943) Returned to site; installed replacement locks on GW-11, GW-02, and GW-14. (0952) Attempted to locate GW-05. Could not locate. (1015) EA offsite.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Jeremy Fontaine; Emily Fenner

NYSDEC personnel: None

Subcontractor personnel: None

EA equipment*: 2015 Ford Escape

Subcontractor Equipment: None

*(*Indicates active equipment)*

VISITORS TO SITE:

Daily Field Report

DAILY FIELD REPORT

Day: Thursday Date: 11 November 2021

None.

PROJECT SCHEDULE ISSUES:

None.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:

GW-05 could not be located.

Observed a visible sheen on the surface of the standing water in the supposed vicinity of GW-05.

COMMENTS:

ATTACHMENT(S) TO THIS REPORT:

Site photos.

SITE REPRESENTATIVE:

Name: J. Fontaine

cc:

Visible sheen on standing water in the supposed vicinity of GW-05



Visible sheen on standing water in the supposed vicinity of GW-05



Metal debris found at the west end of the site; near GW-05/GW-15





Appendix C

Field Log

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- 0613 EA departs for site
- 0809 Stop to get ice for coolers
- 0830 EA arrives on site
- 0835 Commence sitewalk/synoptic gauging and site inspection
- 0853 Could not find GW-5, moving on to GW-14. PID Ambient ~ 3ppm
- 0904 GW-14 PID: 0.0 DTW: 7.17 DTB: 16.92
- 0915 Discovered GW-15, ^{No change} heavily damaged, basically horizontal. Possibly supposed to be GW-05? Made a pin on Google map and moved on
- 0930 GW-2 PID: 0.0 DTW: 2.53 DTB: 12.84
PID recalibrated to 0.0 ppm
- 0938 GW-10 metal casing completely rotted out. You can take the entire casing off.
PID: 0.0 DTW: 1.22 DTB: 14.95
- 0956 GW-11 PID: 0.0 DTW: 4.55 DTB: 12.63
- 1056 GW-04 in very overgrown area, water almost to top of casing
DTW: 0.66 DTB: 16.95
- 1109 Began purging GW-04. Water initially black w/ th mud & silt
- 1144 Sampled GW-04, lunch break

Start purging GW-10
 Sampled GW-10
 Started purging GW-02
 Sampled GW-2
 Started purging GW-11
 Went to get ice for samples
 EA office
 Sampled (GW-11)

~~[Signature]
 11/10/21~~

square = _____

0800 EA onsite
 0815 Began purging at GW-14
 0838 Sampled GW-14, collected DUP
 0912 Packed up, left to go buy locks
 for well casings
 0943 Returned to site to place locks
 on well casings
 0952 Went on to explore to try and find
~~GW-05~~ GW-05, no dice ~~RF~~
 1000 Did not locate GW-05, but
 did find a sheen on wetland
 water and metal frames, drums,
 and plastic bucket
 1015 EA office

~~[Signature]
 11/11/21~~

Scale: 1 square = _____

Rite in the Rain

Appendix D
Site Inspection Report

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GOLDEN ROAD DISPOSAL SITE
CHILI, NEW YORK
SITE INSPECTION FORM

Date: 11/10/2021
Weather: 46°F Sunny

Inspectors: EF, JF

Inspection Items	Acceptable		Comments/Conditions
	Yes	No	
1 General Area Conditions			
Appearance	✓		Very overgrown Some litter on site, lots of litter along I490.
Litter	✓		
2 Access Road Conditions			
Surface	✓		
Accessibility	✓		
3 Vegetation Conditions			
Grass Growth	✓		
Bare Spots	✓		
Erosion	✓		
Settlement	✓		
Ponding Water	✓		
Protruding Objects	✓		Found rusted drums, frames, and poles from previous fencing
4 Groundwater Monitoring Well Conditions			
Well Casings		✓	GW-10 rusted out @ water level. Casing completely removed
Well Locks	✓		
5 Wetlands			
General Conditions	✓		
Vegetation	✓		
Water Levels	✓		
6 Others (list)			
GW-4 has no casing. Could not locate GW-3 or GW-5. GW-15 is destroyed.			

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Appendix E

Groundwater Sampling Purge Forms

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Appendix F

Laboratory Analytical Report

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ANALYTICAL REPORT

Job Number: 480-192275-1

Job Description: SMP C - Golden Road

Contract Number: C100700

For:

New York State D.E.C.

625 Broadway

Division of Environmental Remediation

Albany, NY 12233-7014

Attention: Sarah Saucier



Approved for release.
Wyatt B Watson
Project Management Assistant I
12/2/2021 10:38 AM

Designee for
Steve Hartmann, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(413)572-4000
Steve.Hartmann@Eurofinset.com
12/02/2021

cc: Hilary Williams

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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 TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive, Amherst, NY 14228-2298

Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



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**Job Narrative
480-192275-1**

Comments

No additional comments.

Receipt

The samples were received on 11/12/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: 828021-GW-14 (480-192275-1) and 828021-DUP-11112021 (480-192275-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-605537 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 828021-GW-14 (480-192275-1), 828021-GW-11 (480-192275-2), 828021-DUP-11112021 (480-192275-3), 828021-GW-04 (480-192275-4), 828021-GW-10 (480-192275-5), 828021-GW-2 (480-192275-6) and 8260 TRIP BLANK (480-192275-7).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-605537 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are impacted: 828021-GW-04 (480-192275-4[MS]) and 828021-GW-04 (480-192275-4[MSD]).

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 associated sample(s) was re-prepared and/or re-analyzed outside holding time due to high surrogate and spike recoveries in the method blank (MB) and laboratory control sample (LCS) for prep batch 480-605089. Both sets of data have been reported. 828021-GW-14 (480-192275-1), 828021-GW-11 (480-192275-2), 828021-DUP-11112021 (480-192275-3), 828021-GW-04 (480-192275-4), 828021-GW-04 (480-192275-4[MS]), 828021-GW-04 (480-192275-4[MSD]), 828021-GW-10 (480-192275-5) and 828021-GW-2 (480-192275-6).

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: 828021-GW-14 (480-192275-1), 828021-DUP-11112021 (480-192275-3) and 828021-GW-04 (480-192275-4[MS]). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-607022 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene and Pentachlorophenol. 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.

Method 8270D: The associated sample(s) was re-prepared and/or re-analyzed outside holding time due to high surrogate and spike recoveries in the method blank (MB) and laboratory control sample (LCS) for prep batch 480-605089. Both sets of data have been reported. 828021-GW-14 (480-192275-1), 828021-GW-11 (480-192275-2), 828021-DUP-11112021 (480-192275-3), 828021-GW-04 (480-192275-4), 828021-GW-04 (480-192275-4[MS]), 828021-GW-04 (480-192275-4[MSD]), 828021-GW-10 (480-192275-5) and 828021-GW-2 (480-192275-6).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-606080 recovered above the upper control limit for Carbazole. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: 828021-GW-14 (480-192275-1), 828021-GW-11 (480-192275-2), 828021-DUP-11112021 (480-192275-3), 828021-GW-04 (480-192275-4), 828021-GW-10 (480-192275-5) and 828021-GW-2 (480-192275-6).

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

Metals

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

Organic Prep

Method 3510C: The following samples were re-prepared outside of preparation holding time due to high recovery in the QC: 828021-GW-14 (480-192275-1), 828021-GW-11 (480-192275-2), 828021-DUP-11112021 (480-192275-3), 828021-GW-04 (480-192275-4), 828021-GW-04 (480-192275-4[MS]), 828021-GW-04 (480-192275-4[MSD]), 828021-GW-10 (480-192275-5) and 828021-GW-2 (480-192275-6).

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

Sample Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192275-1	828021-GW-14	Water	11/11/21 08:38	11/12/21 10:00
480-192275-2	828021-GW-11	Water	11/10/21 15:11	11/12/21 10:00
480-192275-3	828021-DUP-11112021	Water	11/11/21 00:00	11/12/21 10:00
480-192275-4	828021-GW-04	Water	11/10/21 11:44	11/12/21 10:00
480-192275-5	828021-GW-10	Water	11/10/21 13:28	11/12/21 10:00
480-192275-6	828021-GW-2	Water	11/10/21 14:19	11/12/21 10:00
480-192275-7	8260 TRIP BLANK	Water	11/11/21 13:45	11/12/21 10:00

Detection Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1	J	2.0	0.72	ug/L	2		8260C	Total/NA
Arsenic	0.013	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.20		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	125		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	5.4		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	49.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.16		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	1.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	81.6		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0017	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.36	J	5.2	0.32	ug/L	1		8270D	Total/NA
Aluminum	0.20		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.080		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	160		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	1.4		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	47.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.063		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	76.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.012		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methylphenol	0.40	J	10	0.36	ug/L	1		8270D	Total/NA
Arsenic	0.010	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.19		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	124		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	5.1		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	48.9		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.16		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	1.4		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	80.5		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0017	J	0.0050	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.13		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	145		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.37		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	46.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.027		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	140		1.0	0.32	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.086		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	116		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.77		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	42.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.091		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	67.5		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0036	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.060		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	194		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.79		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	50.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.052		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	81.7		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.017		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: 8260 TRIP BLANK

Lab Sample ID: 480-192275-7

No Detections.

Method Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Date Collected: 11/11/21 08:38

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/18/21 15:31	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/18/21 15:31	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/18/21 15:31	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			11/18/21 15:31	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			11/18/21 15:31	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/18/21 15:31	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			11/18/21 15:31	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			11/18/21 15:31	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			11/18/21 15:31	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/18/21 15:31	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/18/21 15:31	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			11/18/21 15:31	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			11/18/21 15:31	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/18/21 15:31	2
2-Hexanone	ND		10	2.5	ug/L			11/18/21 15:31	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/18/21 15:31	2
Acetone	ND		20	6.0	ug/L			11/18/21 15:31	2
Benzene	ND		2.0	0.82	ug/L			11/18/21 15:31	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/18/21 15:31	2
Bromoform	ND		2.0	0.52	ug/L			11/18/21 15:31	2
Bromomethane	ND		2.0	1.4	ug/L			11/18/21 15:31	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/18/21 15:31	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/18/21 15:31	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/18/21 15:31	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/18/21 15:31	2
Chloroethane	ND		2.0	0.64	ug/L			11/18/21 15:31	2
Chloroform	ND		2.0	0.68	ug/L			11/18/21 15:31	2
Chloromethane	ND		2.0	0.70	ug/L			11/18/21 15:31	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			11/18/21 15:31	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/18/21 15:31	2
Cyclohexane	ND		2.0	0.36	ug/L			11/18/21 15:31	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			11/18/21 15:31	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/18/21 15:31	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			11/18/21 15:31	2
Isopropylbenzene	ND		2.0	1.6	ug/L			11/18/21 15:31	2
Methyl acetate	ND		5.0	2.6	ug/L			11/18/21 15:31	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/18/21 15:31	2
Methylcyclohexane	ND		2.0	0.32	ug/L			11/18/21 15:31	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/18/21 15:31	2
Styrene	ND		2.0	1.5	ug/L			11/18/21 15:31	2
Tetrachloroethene	1.1	J	2.0	0.72	ug/L			11/18/21 15:31	2
Toluene	ND		2.0	1.0	ug/L			11/18/21 15:31	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/18/21 15:31	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/18/21 15:31	2
Trichloroethene	ND		2.0	0.92	ug/L			11/18/21 15:31	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			11/18/21 15:31	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/18/21 15:31	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/18/21 15:31	2

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Date Collected: 11/11/21 08:38

Matrix: Water

Date Received: 11/12/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		11/18/21 15:31	2
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		11/18/21 15:31	2
4-Bromofluorobenzene (Surr)	89		73 - 120		11/18/21 15:31	2
Dibromofluoromethane (Surr)	101		75 - 123		11/18/21 15:31	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*+	5.0	0.65	ug/L		11/16/21 06:44	11/23/21 09:38	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,4,5-Trichlorophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,4,6-Trichlorophenol	ND	*+	5.0	0.61	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,4-Dichlorophenol	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,4-Dimethylphenol	ND	*+	5.0	0.50	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 09:38	1
2,6-Dinitrotoluene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:38	1
2-Chloronaphthalene	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 09:38	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/16/21 06:44	11/23/21 09:38	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:38	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/16/21 06:44	11/23/21 09:38	1
2-Nitroaniline	ND	*+	10	0.42	ug/L		11/16/21 06:44	11/23/21 09:38	1
2-Nitrophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 09:38	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:38	1
3-Nitroaniline	ND		10	0.48	ug/L		11/16/21 06:44	11/23/21 09:38	1
4,6-Dinitro-2-methylphenol	ND	*+	10	2.2	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Bromophenyl phenyl ether	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Chloro-3-methylphenol	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Chlorophenyl phenyl ether	ND	*+	5.0	0.35	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Methylphenol	ND		10	0.36	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		11/16/21 06:44	11/23/21 09:38	1
4-Nitrophenol	ND		10	1.5	ug/L		11/16/21 06:44	11/23/21 09:38	1
Acenaphthene	ND	*+	5.0	0.41	ug/L		11/16/21 06:44	11/23/21 09:38	1
Acenaphthylene	ND	*+	5.0	0.38	ug/L		11/16/21 06:44	11/23/21 09:38	1
Acetophenone	ND	*+	5.0	0.54	ug/L		11/16/21 06:44	11/23/21 09:38	1
Anthracene	ND	*+	5.0	0.28	ug/L		11/16/21 06:44	11/23/21 09:38	1
Atrazine	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 09:38	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/16/21 06:44	11/23/21 09:38	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 09:38	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 09:38	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 09:38	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 09:38	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/16/21 06:44	11/23/21 09:38	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 09:38	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:38	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 09:38	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/16/21 06:44	11/23/21 09:38	1
Caprolactam	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 09:38	1
Carbazole	ND	*+	5.0	0.30	ug/L		11/16/21 06:44	11/23/21 09:38	1
Chrysene	ND		5.0	0.33	ug/L		11/16/21 06:44	11/23/21 09:38	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Date Collected: 11/11/21 08:38

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/16/21 06:44	11/23/21 09:38	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/16/21 06:44	11/23/21 09:38	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 09:38	1
Dibenzofuran	ND	*+	10	0.51	ug/L		11/16/21 06:44	11/23/21 09:38	1
Diethyl phthalate	ND	*+	5.0	0.22	ug/L		11/16/21 06:44	11/23/21 09:38	1
Dimethyl phthalate	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 09:38	1
Fluoranthene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:38	1
Fluorene	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 09:38	1
Hexachlorobenzene	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 09:38	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/16/21 06:44	11/23/21 09:38	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 09:38	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 09:38	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 09:38	1
Isophorone	ND	*+	5.0	0.43	ug/L		11/16/21 06:44	11/23/21 09:38	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 09:38	1
N-Nitrosodiphenylamine	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 09:38	1
Naphthalene	ND		5.0	0.76	ug/L		11/16/21 06:44	11/23/21 09:38	1
Nitrobenzene	ND	*+	5.0	0.29	ug/L		11/16/21 06:44	11/23/21 09:38	1
Pentachlorophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 09:38	1
Phenanthrene	ND	*+	5.0	0.44	ug/L		11/16/21 06:44	11/23/21 09:38	1
Phenol	ND		5.0	0.39	ug/L		11/16/21 06:44	11/23/21 09:38	1
Pyrene	ND	*+	5.0	0.34	ug/L		11/16/21 06:44	11/23/21 09:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	95		46 - 120	11/16/21 06:44	11/23/21 09:38	1
Phenol-d5 (Surr)	58		22 - 120	11/16/21 06:44	11/23/21 09:38	1
p-Terphenyl-d14 (Surr)	80		60 - 148	11/16/21 06:44	11/23/21 09:38	1
2,4,6-Tribromophenol (Surr)	104		41 - 120	11/16/21 06:44	11/23/21 09:38	1
2-Fluorobiphenyl (Surr)	96		48 - 120	11/16/21 06:44	11/23/21 09:38	1
2-Fluorophenol (Surr)	79		35 - 120	11/16/21 06:44	11/23/21 09:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	H	5.0	0.65	ug/L		11/24/21 09:06	11/30/21 20:56	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 20:56	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:56	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 20:56	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/24/21 09:06	11/30/21 20:56	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:56	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/24/21 09:06	11/30/21 20:56	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/24/21 09:06	11/30/21 20:56	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 20:56	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:56	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/24/21 09:06	11/30/21 20:56	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Date Collected: 11/11/21 08:38

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/24/21 09:06	11/30/21 20:56	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/24/21 09:06	11/30/21 20:56	1
Acenaphthene	ND	H	5.0	0.41	ug/L		11/24/21 09:06	11/30/21 20:56	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/24/21 09:06	11/30/21 20:56	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 20:56	1
Anthracene	ND	H	5.0	0.28	ug/L		11/24/21 09:06	11/30/21 20:56	1
Atrazine	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 20:56	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/24/21 09:06	11/30/21 20:56	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 20:56	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 20:56	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 20:56	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 20:56	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		11/24/21 09:06	11/30/21 20:56	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 20:56	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:56	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 20:56	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/24/21 09:06	11/30/21 20:56	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 20:56	1
Carbazole	ND	H	5.0	0.30	ug/L		11/24/21 09:06	11/30/21 20:56	1
Chrysene	ND	H	5.0	0.33	ug/L		11/24/21 09:06	11/30/21 20:56	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/24/21 09:06	11/30/21 20:56	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		11/24/21 09:06	11/30/21 20:56	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 20:56	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/24/21 09:06	11/30/21 20:56	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/24/21 09:06	11/30/21 20:56	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 20:56	1
Fluoranthene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:56	1
Fluorene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 20:56	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 20:56	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/24/21 09:06	11/30/21 20:56	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 20:56	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 20:56	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 20:56	1
Isophorone	ND	H	5.0	0.43	ug/L		11/24/21 09:06	11/30/21 20:56	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 20:56	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 20:56	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/24/21 09:06	11/30/21 20:56	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/24/21 09:06	11/30/21 20:56	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 20:56	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/24/21 09:06	11/30/21 20:56	1
Phenol	ND	H	5.0	0.39	ug/L		11/24/21 09:06	11/30/21 20:56	1
Pyrene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 20:56	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Date Collected: 11/11/21 08:38

Matrix: Water

Date Received: 11/12/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		46 - 120	11/24/21 09:06	11/30/21 20:56	1
Phenol-d5 (Surr)	52		22 - 120	11/24/21 09:06	11/30/21 20:56	1
p-Terphenyl-d14 (Surr)	97		60 - 148	11/24/21 09:06	11/30/21 20:56	1
2,4,6-Tribromophenol (Surr)	131	S1+	41 - 120	11/24/21 09:06	11/30/21 20:56	1
2-Fluorobiphenyl (Surr)	103		48 - 120	11/24/21 09:06	11/30/21 20:56	1
2-Fluorophenol (Surr)	74		35 - 120	11/24/21 09:06	11/30/21 20:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/17/21 09:41	11/18/21 22:25	1
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 22:25	1
Arsenic	0.013	J	0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 22:25	1
Barium	0.20		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 22:25	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 22:25	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 22:25	1
Calcium	125		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:25	1
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 22:25	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 22:25	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 22:25	1
Iron	5.4		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 22:25	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 22:25	1
Magnesium	49.4		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 22:25	1
Manganese	0.16		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 22:25	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 22:25	1
Potassium	1.5		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:25	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 22:25	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 22:25	1
Sodium	81.6		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 22:25	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 22:25	1
Vanadium	0.0017	J	0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 22:25	1
Zinc	ND		0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 22:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:15	1

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/21 15:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/21 15:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/21 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/18/21 15:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/18/21 15:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/21 15:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/18/21 15:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/18/21 15:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/18/21 15:54	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/21 15:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/21 15:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/18/21 15:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/18/21 15:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/21 15:54	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/21 15:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/21 15:54	1
Acetone	ND		10	3.0	ug/L			11/18/21 15:54	1
Benzene	ND		1.0	0.41	ug/L			11/18/21 15:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/21 15:54	1
Bromoform	ND		1.0	0.26	ug/L			11/18/21 15:54	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/21 15:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/21 15:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/21 15:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/21 15:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/21 15:54	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/21 15:54	1
Chloroform	ND		1.0	0.34	ug/L			11/18/21 15:54	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/21 15:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/21 15:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/21 15:54	1
Cyclohexane	ND		1.0	0.18	ug/L			11/18/21 15:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/18/21 15:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/21 15:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/18/21 15:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/18/21 15:54	1
Methyl acetate	ND		2.5	1.3	ug/L			11/18/21 15:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/18/21 15:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/18/21 15:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/21 15:54	1
Styrene	ND		1.0	0.73	ug/L			11/18/21 15:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/21 15:54	1
Toluene	ND		1.0	0.51	ug/L			11/18/21 15:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/21 15:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/21 15:54	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/21 15:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/18/21 15:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/21 15:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/21 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		11/18/21 15:54	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/18/21 15:54	1
4-Bromofluorobenzene (Surr)	86		73 - 120		11/18/21 15:54	1
Dibromofluoromethane (Surr)	100		75 - 123		11/18/21 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*+	5.2	0.68	ug/L		11/16/21 06:44	11/23/21 10:05	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		11/16/21 06:44	11/23/21 10:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND	*+	5.2	0.50	ug/L		11/16/21 06:44	11/23/21 10:05	1
2,4,6-Trichlorophenol	ND	*+	5.2	0.64	ug/L		11/16/21 06:44	11/23/21 10:05	1
2,4-Dichlorophenol	ND	*+	5.2	0.53	ug/L		11/16/21 06:44	11/23/21 10:05	1
2,4-Dimethylphenol	ND	*+	5.2	0.52	ug/L		11/16/21 06:44	11/23/21 10:05	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		11/16/21 06:44	11/23/21 10:05	1
2,4-Dinitrotoluene	ND	*+	5.2	0.47	ug/L		11/16/21 06:44	11/23/21 10:05	1
2,6-Dinitrotoluene	ND	*+	5.2	0.42	ug/L		11/16/21 06:44	11/23/21 10:05	1
2-Chloronaphthalene	ND	*+	5.2	0.48	ug/L		11/16/21 06:44	11/23/21 10:05	1
2-Chlorophenol	ND		5.2	0.55	ug/L		11/16/21 06:44	11/23/21 10:05	1
2-Methylphenol	ND		5.2	0.42	ug/L		11/16/21 06:44	11/23/21 10:05	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		11/16/21 06:44	11/23/21 10:05	1
2-Nitroaniline	ND	*+	10	0.44	ug/L		11/16/21 06:44	11/23/21 10:05	1
2-Nitrophenol	ND	*+	5.2	0.50	ug/L		11/16/21 06:44	11/23/21 10:05	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		11/16/21 06:44	11/23/21 10:05	1
3-Nitroaniline	ND		10	0.50	ug/L		11/16/21 06:44	11/23/21 10:05	1
4,6-Dinitro-2-methylphenol	ND	*+	10	2.3	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Bromophenyl phenyl ether	ND	*+	5.2	0.47	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Chloro-3-methylphenol	ND	*+	5.2	0.47	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Chloroaniline	ND		5.2	0.61	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Chlorophenyl phenyl ether	ND	*+	5.2	0.36	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Methylphenol	ND		10	0.38	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Nitroaniline	ND	*+	10	0.26	ug/L		11/16/21 06:44	11/23/21 10:05	1
4-Nitrophenol	ND		10	1.6	ug/L		11/16/21 06:44	11/23/21 10:05	1
Acenaphthene	ND	*+	5.2	0.43	ug/L		11/16/21 06:44	11/23/21 10:05	1
Acenaphthylene	ND	*+	5.2	0.40	ug/L		11/16/21 06:44	11/23/21 10:05	1
Acetophenone	ND	*+	5.2	0.56	ug/L		11/16/21 06:44	11/23/21 10:05	1
Anthracene	ND	*+	5.2	0.29	ug/L		11/16/21 06:44	11/23/21 10:05	1
Atrazine	ND	*+	5.2	0.48	ug/L		11/16/21 06:44	11/23/21 10:05	1
Benzaldehyde	ND		5.2	0.28	ug/L		11/16/21 06:44	11/23/21 10:05	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		11/16/21 06:44	11/23/21 10:05	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		11/16/21 06:44	11/23/21 10:05	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		11/16/21 06:44	11/23/21 10:05	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		11/16/21 06:44	11/23/21 10:05	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		11/16/21 06:44	11/23/21 10:05	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		11/16/21 06:44	11/23/21 10:05	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		11/16/21 06:44	11/23/21 10:05	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		11/16/21 06:44	11/23/21 10:05	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		11/16/21 06:44	11/23/21 10:05	1
Caprolactam	ND		5.2	2.3	ug/L		11/16/21 06:44	11/23/21 10:05	1
Carbazole	ND	*+	5.2	0.31	ug/L		11/16/21 06:44	11/23/21 10:05	1
Chrysene	ND		5.2	0.34	ug/L		11/16/21 06:44	11/23/21 10:05	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		11/16/21 06:44	11/23/21 10:05	1
Di-n-butyl phthalate	0.36	J	5.2	0.32	ug/L		11/16/21 06:44	11/23/21 10:05	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		11/16/21 06:44	11/23/21 10:05	1
Dibenzofuran	ND	*+	10	0.53	ug/L		11/16/21 06:44	11/23/21 10:05	1
Diethyl phthalate	ND	*+	5.2	0.23	ug/L		11/16/21 06:44	11/23/21 10:05	1
Dimethyl phthalate	ND	*+	5.2	0.38	ug/L		11/16/21 06:44	11/23/21 10:05	1
Fluoranthene	ND	*+	5.2	0.42	ug/L		11/16/21 06:44	11/23/21 10:05	1
Fluorene	ND	*+	5.2	0.38	ug/L		11/16/21 06:44	11/23/21 10:05	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	ND	*+	5.2	0.53	ug/L		11/16/21 06:44	11/23/21 10:05	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		11/16/21 06:44	11/23/21 10:05	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		11/16/21 06:44	11/23/21 10:05	1
Hexachloroethane	ND		5.2	0.61	ug/L		11/16/21 06:44	11/23/21 10:05	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		11/16/21 06:44	11/23/21 10:05	1
Isophorone	ND	*+	5.2	0.45	ug/L		11/16/21 06:44	11/23/21 10:05	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		11/16/21 06:44	11/23/21 10:05	1
N-Nitrosodiphenylamine	ND	*+	5.2	0.53	ug/L		11/16/21 06:44	11/23/21 10:05	1
Naphthalene	ND		5.2	0.79	ug/L		11/16/21 06:44	11/23/21 10:05	1
Nitrobenzene	ND	*+	5.2	0.30	ug/L		11/16/21 06:44	11/23/21 10:05	1
Pentachlorophenol	ND		10	2.3	ug/L		11/16/21 06:44	11/23/21 10:05	1
Phenanthrene	ND	*+	5.2	0.46	ug/L		11/16/21 06:44	11/23/21 10:05	1
Phenol	ND		5.2	0.41	ug/L		11/16/21 06:44	11/23/21 10:05	1
Pyrene	ND	*+	5.2	0.35	ug/L		11/16/21 06:44	11/23/21 10:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	105		46 - 120	11/16/21 06:44	11/23/21 10:05	1
Phenol-d5 (Surr)	64		22 - 120	11/16/21 06:44	11/23/21 10:05	1
p-Terphenyl-d14 (Surr)	106		60 - 148	11/16/21 06:44	11/23/21 10:05	1
2,4,6-Tribromophenol (Surr)	96		41 - 120	11/16/21 06:44	11/23/21 10:05	1
2-Fluorobiphenyl (Surr)	110		48 - 120	11/16/21 06:44	11/23/21 10:05	1
2-Fluorophenol (Surr)	85		35 - 120	11/16/21 06:44	11/23/21 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	H	5.0	0.65	ug/L		11/24/21 09:06	11/30/21 21:23	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 21:23	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:23	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 21:23	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/24/21 09:06	11/30/21 21:23	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:23	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/24/21 09:06	11/30/21 21:23	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/24/21 09:06	11/30/21 21:23	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 21:23	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:23	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/24/21 09:06	11/30/21 21:23	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/24/21 09:06	11/30/21 21:23	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/24/21 09:06	11/30/21 21:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	H	5.0	0.41	ug/L		11/24/21 09:06	11/30/21 21:23	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/24/21 09:06	11/30/21 21:23	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 21:23	1
Anthracene	ND	H	5.0	0.28	ug/L		11/24/21 09:06	11/30/21 21:23	1
Atrazine	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 21:23	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/24/21 09:06	11/30/21 21:23	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 21:23	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 21:23	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 21:23	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 21:23	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		11/24/21 09:06	11/30/21 21:23	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 21:23	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:23	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 21:23	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/24/21 09:06	11/30/21 21:23	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 21:23	1
Carbazole	ND	H	5.0	0.30	ug/L		11/24/21 09:06	11/30/21 21:23	1
Chrysene	ND	H	5.0	0.33	ug/L		11/24/21 09:06	11/30/21 21:23	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/24/21 09:06	11/30/21 21:23	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		11/24/21 09:06	11/30/21 21:23	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 21:23	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/24/21 09:06	11/30/21 21:23	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/24/21 09:06	11/30/21 21:23	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 21:23	1
Fluoranthene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:23	1
Fluorene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 21:23	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 21:23	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/24/21 09:06	11/30/21 21:23	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 21:23	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 21:23	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 21:23	1
Isophorone	ND	H	5.0	0.43	ug/L		11/24/21 09:06	11/30/21 21:23	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 21:23	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 21:23	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/24/21 09:06	11/30/21 21:23	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/24/21 09:06	11/30/21 21:23	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 21:23	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/24/21 09:06	11/30/21 21:23	1
Phenol	ND	H	5.0	0.39	ug/L		11/24/21 09:06	11/30/21 21:23	1
Pyrene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	88		46 - 120	11/24/21 09:06	11/30/21 21:23	1
Phenol-d5 (Surr)	53		22 - 120	11/24/21 09:06	11/30/21 21:23	1
p-Terphenyl-d14 (Surr)	108		60 - 148	11/24/21 09:06	11/30/21 21:23	1
2,4,6-Tribromophenol (Surr)	91		41 - 120	11/24/21 09:06	11/30/21 21:23	1
2-Fluorobiphenyl (Surr)	107		48 - 120	11/24/21 09:06	11/30/21 21:23	1
2-Fluorophenol (Surr)	70		35 - 120	11/24/21 09:06	11/30/21 21:23	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.20		0.20	0.060	mg/L		11/17/21 09:41	11/18/21 22:40	1
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 22:40	1
Arsenic	ND		0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 22:40	1
Barium	0.080		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 22:40	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 22:40	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 22:40	1
Calcium	160		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:40	1
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 22:40	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 22:40	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 22:40	1
Iron	1.4		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 22:40	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 22:40	1
Magnesium	47.3		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 22:40	1
Manganese	0.063		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 22:40	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 22:40	1
Potassium	2.7		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:40	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 22:40	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 22:40	1
Sodium	76.5		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 22:40	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 22:40	1
Vanadium	ND		0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 22:40	1
Zinc	0.012		0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 22:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:16	1

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			11/18/21 16:16	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/18/21 16:16	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/18/21 16:16	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			11/18/21 16:16	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			11/18/21 16:16	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/18/21 16:16	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			11/18/21 16:16	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			11/18/21 16:16	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			11/18/21 16:16	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/18/21 16:16	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/18/21 16:16	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			11/18/21 16:16	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			11/18/21 16:16	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/18/21 16:16	2
2-Hexanone	ND		10	2.5	ug/L			11/18/21 16:16	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/18/21 16:16	2
Acetone	ND		20	6.0	ug/L			11/18/21 16:16	2

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			11/18/21 16:16	2
Bromodichloromethane	ND		2.0	0.78	ug/L			11/18/21 16:16	2
Bromoform	ND		2.0	0.52	ug/L			11/18/21 16:16	2
Bromomethane	ND		2.0	1.4	ug/L			11/18/21 16:16	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/18/21 16:16	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/18/21 16:16	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/18/21 16:16	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/18/21 16:16	2
Chloroethane	ND		2.0	0.64	ug/L			11/18/21 16:16	2
Chloroform	ND		2.0	0.68	ug/L			11/18/21 16:16	2
Chloromethane	ND		2.0	0.70	ug/L			11/18/21 16:16	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			11/18/21 16:16	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/18/21 16:16	2
Cyclohexane	ND		2.0	0.36	ug/L			11/18/21 16:16	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			11/18/21 16:16	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/18/21 16:16	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			11/18/21 16:16	2
Isopropylbenzene	ND		2.0	1.6	ug/L			11/18/21 16:16	2
Methyl acetate	ND		5.0	2.6	ug/L			11/18/21 16:16	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/18/21 16:16	2
Methylcyclohexane	ND		2.0	0.32	ug/L			11/18/21 16:16	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/18/21 16:16	2
Styrene	ND		2.0	1.5	ug/L			11/18/21 16:16	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/18/21 16:16	2
Toluene	ND		2.0	1.0	ug/L			11/18/21 16:16	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/18/21 16:16	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/18/21 16:16	2
Trichloroethene	ND		2.0	0.92	ug/L			11/18/21 16:16	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			11/18/21 16:16	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/18/21 16:16	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/18/21 16:16	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	99		80 - 120		11/18/21 16:16	2
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		77 - 120		11/18/21 16:16	2
<i>4-Bromofluorobenzene (Surr)</i>	84		73 - 120		11/18/21 16:16	2
<i>Dibromofluoromethane (Surr)</i>	102		75 - 123		11/18/21 16:16	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*+	5.0	0.65	ug/L		11/16/21 06:44	11/23/21 10:32	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,4,5-Trichlorophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,4,6-Trichlorophenol	ND	*+	5.0	0.61	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,4-Dichlorophenol	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,4-Dimethylphenol	ND	*+	5.0	0.50	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 10:32	1
2,6-Dinitrotoluene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:32	1
2-Chloronaphthalene	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 10:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		5.0	0.53	ug/L		11/16/21 06:44	11/23/21 10:32	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:32	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/16/21 06:44	11/23/21 10:32	1
2-Nitroaniline	ND	*+	10	0.42	ug/L		11/16/21 06:44	11/23/21 10:32	1
2-Nitrophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 10:32	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:32	1
3-Nitroaniline	ND		10	0.48	ug/L		11/16/21 06:44	11/23/21 10:32	1
4,6-Dinitro-2-methylphenol	ND	*+	10	2.2	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Bromophenyl phenyl ether	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Chloro-3-methylphenol	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Chlorophenyl phenyl ether	ND	*+	5.0	0.35	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Methylphenol	0.40	J	10	0.36	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		11/16/21 06:44	11/23/21 10:32	1
4-Nitrophenol	ND		10	1.5	ug/L		11/16/21 06:44	11/23/21 10:32	1
Acenaphthene	ND	*+	5.0	0.41	ug/L		11/16/21 06:44	11/23/21 10:32	1
Acenaphthylene	ND	*+	5.0	0.38	ug/L		11/16/21 06:44	11/23/21 10:32	1
Acetophenone	ND	*+	5.0	0.54	ug/L		11/16/21 06:44	11/23/21 10:32	1
Anthracene	ND	*+	5.0	0.28	ug/L		11/16/21 06:44	11/23/21 10:32	1
Atrazine	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 10:32	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/16/21 06:44	11/23/21 10:32	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 10:32	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 10:32	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 10:32	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 10:32	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/16/21 06:44	11/23/21 10:32	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 10:32	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:32	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 10:32	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/16/21 06:44	11/23/21 10:32	1
Caprolactam	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 10:32	1
Carbazole	ND	*+	5.0	0.30	ug/L		11/16/21 06:44	11/23/21 10:32	1
Chrysene	ND		5.0	0.33	ug/L		11/16/21 06:44	11/23/21 10:32	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/16/21 06:44	11/23/21 10:32	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/16/21 06:44	11/23/21 10:32	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 10:32	1
Dibenzofuran	ND	*+	10	0.51	ug/L		11/16/21 06:44	11/23/21 10:32	1
Diethyl phthalate	ND	*+	5.0	0.22	ug/L		11/16/21 06:44	11/23/21 10:32	1
Dimethyl phthalate	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 10:32	1
Fluoranthene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:32	1
Fluorene	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 10:32	1
Hexachlorobenzene	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 10:32	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/16/21 06:44	11/23/21 10:32	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 10:32	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 10:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 10:32	1
Isophorone	ND	*+	5.0	0.43	ug/L		11/16/21 06:44	11/23/21 10:32	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 10:32	1
N-Nitrosodiphenylamine	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 10:32	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	0.76	ug/L		11/16/21 06:44	11/23/21 10:32	1
Nitrobenzene	ND	*+	5.0	0.29	ug/L		11/16/21 06:44	11/23/21 10:32	1
Pentachlorophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 10:32	1
Phenanthrene	ND	*+	5.0	0.44	ug/L		11/16/21 06:44	11/23/21 10:32	1
Phenol	ND		5.0	0.39	ug/L		11/16/21 06:44	11/23/21 10:32	1
Pyrene	ND	*+	5.0	0.34	ug/L		11/16/21 06:44	11/23/21 10:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	123	S1+	46 - 120	11/16/21 06:44	11/23/21 10:32	1
Phenol-d5 (Surr)	72		22 - 120	11/16/21 06:44	11/23/21 10:32	1
p-Terphenyl-d14 (Surr)	106		60 - 148	11/16/21 06:44	11/23/21 10:32	1
2,4,6-Tribromophenol (Surr)	136	S1+	41 - 120	11/16/21 06:44	11/23/21 10:32	1
2-Fluorobiphenyl (Surr)	133	S1+	48 - 120	11/16/21 06:44	11/23/21 10:32	1
2-Fluorophenol (Surr)	99		35 - 120	11/16/21 06:44	11/23/21 10:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	H	5.0	0.65	ug/L		11/24/21 09:06	11/30/21 21:50	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 21:50	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:50	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 21:50	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/24/21 09:06	11/30/21 21:50	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:50	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/24/21 09:06	11/30/21 21:50	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/24/21 09:06	11/30/21 21:50	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 21:50	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:50	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/24/21 09:06	11/30/21 21:50	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/24/21 09:06	11/30/21 21:50	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/24/21 09:06	11/30/21 21:50	1
Acenaphthene	ND	H	5.0	0.41	ug/L		11/24/21 09:06	11/30/21 21:50	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/24/21 09:06	11/30/21 21:50	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 21:50	1
Anthracene	ND	H	5.0	0.28	ug/L		11/24/21 09:06	11/30/21 21:50	1
Atrazine	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 21:50	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/24/21 09:06	11/30/21 21:50	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 21:50	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 21:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 21:50	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 21:50	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		11/24/21 09:06	11/30/21 21:50	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 21:50	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:50	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 21:50	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/24/21 09:06	11/30/21 21:50	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 21:50	1
Carbazole	ND	H	5.0	0.30	ug/L		11/24/21 09:06	11/30/21 21:50	1
Chrysene	ND	H	5.0	0.33	ug/L		11/24/21 09:06	11/30/21 21:50	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/24/21 09:06	11/30/21 21:50	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		11/24/21 09:06	11/30/21 21:50	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 21:50	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/24/21 09:06	11/30/21 21:50	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/24/21 09:06	11/30/21 21:50	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 21:50	1
Fluoranthene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 21:50	1
Fluorene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 21:50	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 21:50	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/24/21 09:06	11/30/21 21:50	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 21:50	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 21:50	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 21:50	1
Isophorone	ND	H	5.0	0.43	ug/L		11/24/21 09:06	11/30/21 21:50	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 21:50	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 21:50	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/24/21 09:06	11/30/21 21:50	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/24/21 09:06	11/30/21 21:50	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 21:50	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/24/21 09:06	11/30/21 21:50	1
Phenol	ND	H	5.0	0.39	ug/L		11/24/21 09:06	11/30/21 21:50	1
Pyrene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		46 - 120	11/24/21 09:06	11/30/21 21:50	1
Phenol-d5 (Surr)	48		22 - 120	11/24/21 09:06	11/30/21 21:50	1
p-Terphenyl-d14 (Surr)	90		60 - 148	11/24/21 09:06	11/30/21 21:50	1
2,4,6-Tribromophenol (Surr)	122	S1+	41 - 120	11/24/21 09:06	11/30/21 21:50	1
2-Fluorobiphenyl (Surr)	99		48 - 120	11/24/21 09:06	11/30/21 21:50	1
2-Fluorophenol (Surr)	64		35 - 120	11/24/21 09:06	11/30/21 21:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/17/21 09:41	11/18/21 22:44	1
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 22:44	1
Arsenic	0.010	J	0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 22:44	1
Barium	0.19		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 22:44	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 22:44	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 22:44	1
Calcium	124		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 22:44	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 22:44	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 22:44	1
Iron	5.1		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 22:44	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 22:44	1
Magnesium	48.9		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 22:44	1
Manganese	0.16		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 22:44	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 22:44	1
Potassium	1.4		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:44	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 22:44	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 22:44	1
Sodium	80.5		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 22:44	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 22:44	1
Vanadium	0.0017	J	0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 22:44	1
Zinc	ND		0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 22:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:17	1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/21 16:39	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.21	ug/L			11/18/21 16:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/21 16:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/18/21 16:39	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			11/18/21 16:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/21 16:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/18/21 16:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/18/21 16:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/18/21 16:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/21 16:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/21 16:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/18/21 16:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/18/21 16:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/21 16:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/21 16:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/21 16:39	1
Acetone	ND		10	3.0	ug/L			11/18/21 16:39	1
Benzene	ND		1.0	0.41	ug/L			11/18/21 16:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/21 16:39	1
Bromoform	ND	F2	1.0	0.26	ug/L			11/18/21 16:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/21 16:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/21 16:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/21 16:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/21 16:39	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/21 16:39	1
Chloroethane	ND	F1	1.0	0.32	ug/L			11/18/21 16:39	1
Chloroform	ND		1.0	0.34	ug/L			11/18/21 16:39	1
Chloromethane	ND	F1	1.0	0.35	ug/L			11/18/21 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/21 16:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/21 16:39	1
Cyclohexane	ND		1.0	0.18	ug/L			11/18/21 16:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/18/21 16:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/21 16:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/18/21 16:39	1
Isopropylbenzene	ND	F1	1.0	0.79	ug/L			11/18/21 16:39	1
Methyl acetate	ND		2.5	1.3	ug/L			11/18/21 16:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/18/21 16:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/18/21 16:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/21 16:39	1
Styrene	ND		1.0	0.73	ug/L			11/18/21 16:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/21 16:39	1
Toluene	ND		1.0	0.51	ug/L			11/18/21 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/21 16:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/21 16:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/21 16:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/18/21 16:39	1
Vinyl chloride	ND	F1	1.0	0.90	ug/L			11/18/21 16:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/21 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		11/18/21 16:39	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		11/18/21 16:39	1
4-Bromofluorobenzene (Surr)	81		73 - 120		11/18/21 16:39	1
Dibromofluoromethane (Surr)	101		75 - 123		11/18/21 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*+	5.0	0.65	ug/L		11/16/21 06:44	11/23/21 09:11	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,4,5-Trichlorophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,4,6-Trichlorophenol	ND	*+	5.0	0.61	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,4-Dichlorophenol	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,4-Dimethylphenol	ND	*+	5.0	0.50	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 09:11	1
2,6-Dinitrotoluene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:11	1
2-Chloronaphthalene	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 09:11	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/16/21 06:44	11/23/21 09:11	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:11	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/16/21 06:44	11/23/21 09:11	1
2-Nitroaniline	ND	*+	10	0.42	ug/L		11/16/21 06:44	11/23/21 09:11	1
2-Nitrophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 09:11	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:11	1
3-Nitroaniline	ND		10	0.48	ug/L		11/16/21 06:44	11/23/21 09:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	*+	10	2.2	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Bromophenyl phenyl ether	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Chloro-3-methylphenol	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Chlorophenyl phenyl ether	ND	*+	5.0	0.35	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Methylphenol	ND		10	0.36	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		11/16/21 06:44	11/23/21 09:11	1
4-Nitrophenol	ND		10	1.5	ug/L		11/16/21 06:44	11/23/21 09:11	1
Acenaphthene	ND	*+	5.0	0.41	ug/L		11/16/21 06:44	11/23/21 09:11	1
Acenaphthylene	ND	*+	5.0	0.38	ug/L		11/16/21 06:44	11/23/21 09:11	1
Acetophenone	ND	*+	5.0	0.54	ug/L		11/16/21 06:44	11/23/21 09:11	1
Anthracene	ND	*+	5.0	0.28	ug/L		11/16/21 06:44	11/23/21 09:11	1
Atrazine	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 09:11	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/16/21 06:44	11/23/21 09:11	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 09:11	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 09:11	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 09:11	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 09:11	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/16/21 06:44	11/23/21 09:11	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 09:11	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:11	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 09:11	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/16/21 06:44	11/23/21 09:11	1
Caprolactam	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 09:11	1
Carbazole	ND	*+	5.0	0.30	ug/L		11/16/21 06:44	11/23/21 09:11	1
Chrysene	ND		5.0	0.33	ug/L		11/16/21 06:44	11/23/21 09:11	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/16/21 06:44	11/23/21 09:11	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/16/21 06:44	11/23/21 09:11	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 09:11	1
Dibenzofuran	ND	*+	10	0.51	ug/L		11/16/21 06:44	11/23/21 09:11	1
Diethyl phthalate	ND	*+	5.0	0.22	ug/L		11/16/21 06:44	11/23/21 09:11	1
Dimethyl phthalate	ND	*+ F1	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 09:11	1
Fluoranthene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 09:11	1
Fluorene	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 09:11	1
Hexachlorobenzene	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 09:11	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/16/21 06:44	11/23/21 09:11	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 09:11	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 09:11	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 09:11	1
Isophorone	ND	*+	5.0	0.43	ug/L		11/16/21 06:44	11/23/21 09:11	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 09:11	1
N-Nitrosodiphenylamine	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 09:11	1
Naphthalene	ND		5.0	0.76	ug/L		11/16/21 06:44	11/23/21 09:11	1
Nitrobenzene	ND	*+	5.0	0.29	ug/L		11/16/21 06:44	11/23/21 09:11	1
Pentachlorophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 09:11	1
Phenanthrene	ND	*+	5.0	0.44	ug/L		11/16/21 06:44	11/23/21 09:11	1
Phenol	ND		5.0	0.39	ug/L		11/16/21 06:44	11/23/21 09:11	1
Pyrene	ND	*+	5.0	0.34	ug/L		11/16/21 06:44	11/23/21 09:11	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	104		46 - 120	11/16/21 06:44	11/23/21 09:11	1
Phenol-d5 (Surr)	61		22 - 120	11/16/21 06:44	11/23/21 09:11	1
p-Terphenyl-d14 (Surr)	104		60 - 148	11/16/21 06:44	11/23/21 09:11	1
2,4,6-Tribromophenol (Surr)	79		41 - 120	11/16/21 06:44	11/23/21 09:11	1
2-Fluorobiphenyl (Surr)	109		48 - 120	11/16/21 06:44	11/23/21 09:11	1
2-Fluorophenol (Surr)	81		35 - 120	11/16/21 06:44	11/23/21 09:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	H	5.0	0.65	ug/L		11/24/21 09:06	11/30/21 20:29	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 20:29	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:29	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 20:29	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/24/21 09:06	11/30/21 20:29	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:29	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/24/21 09:06	11/30/21 20:29	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/24/21 09:06	11/30/21 20:29	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 20:29	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:29	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/24/21 09:06	11/30/21 20:29	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/24/21 09:06	11/30/21 20:29	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/24/21 09:06	11/30/21 20:29	1
Acenaphthene	ND	H	5.0	0.41	ug/L		11/24/21 09:06	11/30/21 20:29	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/24/21 09:06	11/30/21 20:29	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 20:29	1
Anthracene	ND	H	5.0	0.28	ug/L		11/24/21 09:06	11/30/21 20:29	1
Atrazine	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 20:29	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/24/21 09:06	11/30/21 20:29	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 20:29	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 20:29	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 20:29	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 20:29	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		11/24/21 09:06	11/30/21 20:29	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 20:29	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:29	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 20:29	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/24/21 09:06	11/30/21 20:29	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 20:29	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND	H	5.0	0.30	ug/L		11/24/21 09:06	11/30/21 20:29	1
Chrysene	ND	H	5.0	0.33	ug/L		11/24/21 09:06	11/30/21 20:29	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/24/21 09:06	11/30/21 20:29	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		11/24/21 09:06	11/30/21 20:29	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 20:29	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/24/21 09:06	11/30/21 20:29	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/24/21 09:06	11/30/21 20:29	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 20:29	1
Fluoranthene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 20:29	1
Fluorene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 20:29	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 20:29	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/24/21 09:06	11/30/21 20:29	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 20:29	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 20:29	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 20:29	1
Isophorone	ND	H	5.0	0.43	ug/L		11/24/21 09:06	11/30/21 20:29	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 20:29	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 20:29	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/24/21 09:06	11/30/21 20:29	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/24/21 09:06	11/30/21 20:29	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 20:29	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/24/21 09:06	11/30/21 20:29	1
Phenol	ND	H	5.0	0.39	ug/L		11/24/21 09:06	11/30/21 20:29	1
Pyrene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		46 - 120	11/24/21 09:06	11/30/21 20:29	1
Phenol-d5 (Surr)	52		22 - 120	11/24/21 09:06	11/30/21 20:29	1
p-Terphenyl-d14 (Surr)	102		60 - 148	11/24/21 09:06	11/30/21 20:29	1
2,4,6-Tribromophenol (Surr)	98		41 - 120	11/24/21 09:06	11/30/21 20:29	1
2-Fluorobiphenyl (Surr)	106		48 - 120	11/24/21 09:06	11/30/21 20:29	1
2-Fluorophenol (Surr)	68		35 - 120	11/24/21 09:06	11/30/21 20:29	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/17/21 09:41	11/18/21 22:47	1
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 22:47	1
Arsenic	ND		0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 22:47	1
Barium	0.13		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 22:47	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 22:47	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 22:47	1
Calcium	145		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:47	1
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 22:47	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 22:47	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 22:47	1
Iron	0.37		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 22:47	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 22:47	1
Magnesium	46.0		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 22:47	1
Manganese	0.027		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 22:47	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 22:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	2.7		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 22:47	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 22:47	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 22:47	1
Sodium	140		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 22:47	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 22:47	1
Vanadium	ND		0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 22:47	1
Zinc	ND		0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 22:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:23	1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/21 17:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/21 17:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/21 17:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/18/21 17:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/18/21 17:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/21 17:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/18/21 17:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/18/21 17:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/18/21 17:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/21 17:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/21 17:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/18/21 17:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/18/21 17:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/21 17:03	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/21 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/21 17:03	1
Acetone	ND		10	3.0	ug/L			11/18/21 17:03	1
Benzene	ND		1.0	0.41	ug/L			11/18/21 17:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/21 17:03	1
Bromoform	ND		1.0	0.26	ug/L			11/18/21 17:03	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/21 17:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/21 17:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/21 17:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/21 17:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/21 17:03	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/21 17:03	1
Chloroform	ND		1.0	0.34	ug/L			11/18/21 17:03	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/21 17:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/21 17:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/21 17:03	1
Cyclohexane	ND		1.0	0.18	ug/L			11/18/21 17:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/18/21 17:03	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/21 17:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/18/21 17:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/18/21 17:03	1
Methyl acetate	ND		2.5	1.3	ug/L			11/18/21 17:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/18/21 17:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/18/21 17:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/21 17:03	1
Styrene	ND		1.0	0.73	ug/L			11/18/21 17:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/21 17:03	1
Toluene	ND		1.0	0.51	ug/L			11/18/21 17:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/21 17:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/21 17:03	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/21 17:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/18/21 17:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/21 17:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/21 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		11/18/21 17:03	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		11/18/21 17:03	1
4-Bromofluorobenzene (Surr)	83		73 - 120		11/18/21 17:03	1
Dibromofluoromethane (Surr)	99		75 - 123		11/18/21 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*+	5.0	0.65	ug/L		11/16/21 06:44	11/23/21 10:59	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,4,5-Trichlorophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,4,6-Trichlorophenol	ND	*+	5.0	0.61	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,4-Dichlorophenol	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,4-Dimethylphenol	ND	*+	5.0	0.50	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 10:59	1
2,6-Dinitrotoluene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:59	1
2-Chloronaphthalene	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 10:59	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/16/21 06:44	11/23/21 10:59	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:59	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/16/21 06:44	11/23/21 10:59	1
2-Nitroaniline	ND	*+	10	0.42	ug/L		11/16/21 06:44	11/23/21 10:59	1
2-Nitrophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 10:59	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:59	1
3-Nitroaniline	ND		10	0.48	ug/L		11/16/21 06:44	11/23/21 10:59	1
4,6-Dinitro-2-methylphenol	ND	*+	10	2.2	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Bromophenyl phenyl ether	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Chloro-3-methylphenol	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Chlorophenyl phenyl ether	ND	*+	5.0	0.35	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Methylphenol	ND		10	0.36	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		11/16/21 06:44	11/23/21 10:59	1
4-Nitrophenol	ND		10	1.5	ug/L		11/16/21 06:44	11/23/21 10:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND	*+	5.0	0.41	ug/L		11/16/21 06:44	11/23/21 10:59	1
Acenaphthylene	ND	*+	5.0	0.38	ug/L		11/16/21 06:44	11/23/21 10:59	1
Acetophenone	ND	*+	5.0	0.54	ug/L		11/16/21 06:44	11/23/21 10:59	1
Anthracene	ND	*+	5.0	0.28	ug/L		11/16/21 06:44	11/23/21 10:59	1
Atrazine	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 10:59	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/16/21 06:44	11/23/21 10:59	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 10:59	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 10:59	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 10:59	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 10:59	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/16/21 06:44	11/23/21 10:59	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 10:59	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:59	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 10:59	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/16/21 06:44	11/23/21 10:59	1
Caprolactam	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 10:59	1
Carbazole	ND	*+	5.0	0.30	ug/L		11/16/21 06:44	11/23/21 10:59	1
Chrysene	ND		5.0	0.33	ug/L		11/16/21 06:44	11/23/21 10:59	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/16/21 06:44	11/23/21 10:59	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/16/21 06:44	11/23/21 10:59	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 10:59	1
Dibenzofuran	ND	*+	10	0.51	ug/L		11/16/21 06:44	11/23/21 10:59	1
Diethyl phthalate	ND	*+	5.0	0.22	ug/L		11/16/21 06:44	11/23/21 10:59	1
Dimethyl phthalate	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 10:59	1
Fluoranthene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 10:59	1
Fluorene	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 10:59	1
Hexachlorobenzene	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 10:59	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/16/21 06:44	11/23/21 10:59	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 10:59	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 10:59	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 10:59	1
Isophorone	ND	*+	5.0	0.43	ug/L		11/16/21 06:44	11/23/21 10:59	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 10:59	1
N-Nitrosodiphenylamine	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 10:59	1
Naphthalene	ND		5.0	0.76	ug/L		11/16/21 06:44	11/23/21 10:59	1
Nitrobenzene	ND	*+	5.0	0.29	ug/L		11/16/21 06:44	11/23/21 10:59	1
Pentachlorophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 10:59	1
Phenanthrene	ND	*+	5.0	0.44	ug/L		11/16/21 06:44	11/23/21 10:59	1
Phenol	ND		5.0	0.39	ug/L		11/16/21 06:44	11/23/21 10:59	1
Pyrene	ND	*+	5.0	0.34	ug/L		11/16/21 06:44	11/23/21 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	103		46 - 120	11/16/21 06:44	11/23/21 10:59	1
Phenol-d5 (Surr)	64		22 - 120	11/16/21 06:44	11/23/21 10:59	1
p-Terphenyl-d14 (Surr)	88		60 - 148	11/16/21 06:44	11/23/21 10:59	1
2,4,6-Tribromophenol (Surr)	90		41 - 120	11/16/21 06:44	11/23/21 10:59	1
2-Fluorobiphenyl (Surr)	106		48 - 120	11/16/21 06:44	11/23/21 10:59	1
2-Fluorophenol (Surr)	85		35 - 120	11/16/21 06:44	11/23/21 10:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	H	5.0	0.65	ug/L		11/24/21 09:06	11/30/21 22:17	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 22:17	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:17	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 22:17	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/24/21 09:06	11/30/21 22:17	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:17	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/24/21 09:06	11/30/21 22:17	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/24/21 09:06	11/30/21 22:17	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 22:17	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:17	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/24/21 09:06	11/30/21 22:17	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/24/21 09:06	11/30/21 22:17	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/24/21 09:06	11/30/21 22:17	1
Acenaphthene	ND	H	5.0	0.41	ug/L		11/24/21 09:06	11/30/21 22:17	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/24/21 09:06	11/30/21 22:17	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 22:17	1
Anthracene	ND	H	5.0	0.28	ug/L		11/24/21 09:06	11/30/21 22:17	1
Atrazine	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 22:17	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/24/21 09:06	11/30/21 22:17	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 22:17	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 22:17	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 22:17	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 22:17	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		11/24/21 09:06	11/30/21 22:17	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 22:17	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:17	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 22:17	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/24/21 09:06	11/30/21 22:17	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 22:17	1
Carbazole	ND	H	5.0	0.30	ug/L		11/24/21 09:06	11/30/21 22:17	1
Chrysene	ND	H	5.0	0.33	ug/L		11/24/21 09:06	11/30/21 22:17	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/24/21 09:06	11/30/21 22:17	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		11/24/21 09:06	11/30/21 22:17	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 22:17	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/24/21 09:06	11/30/21 22:17	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/24/21 09:06	11/30/21 22:17	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 22:17	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:17	1
Fluorene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 22:17	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 22:17	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/24/21 09:06	11/30/21 22:17	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 22:17	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 22:17	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 22:17	1
Isophorone	ND	H	5.0	0.43	ug/L		11/24/21 09:06	11/30/21 22:17	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 22:17	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 22:17	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/24/21 09:06	11/30/21 22:17	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/24/21 09:06	11/30/21 22:17	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 22:17	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/24/21 09:06	11/30/21 22:17	1
Phenol	ND	H	5.0	0.39	ug/L		11/24/21 09:06	11/30/21 22:17	1
Pyrene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 22:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		46 - 120				11/24/21 09:06	11/30/21 22:17	1
Phenol-d5 (Surr)	50		22 - 120				11/24/21 09:06	11/30/21 22:17	1
p-Terphenyl-d14 (Surr)	104		60 - 148				11/24/21 09:06	11/30/21 22:17	1
2,4,6-Tribromophenol (Surr)	81		41 - 120				11/24/21 09:06	11/30/21 22:17	1
2-Fluorobiphenyl (Surr)	101		48 - 120				11/24/21 09:06	11/30/21 22:17	1
2-Fluorophenol (Surr)	65		35 - 120				11/24/21 09:06	11/30/21 22:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/17/21 09:41	11/18/21 23:07	1
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 23:07	1
Arsenic	ND		0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 23:07	1
Barium	0.086		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 23:07	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 23:07	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 23:07	1
Calcium	116		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 23:07	1
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 23:07	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 23:07	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 23:07	1
Iron	0.77		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 23:07	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 23:07	1
Magnesium	42.1		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 23:07	1
Manganese	0.091		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 23:07	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 23:07	1
Potassium	2.5		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 23:07	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 23:07	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 23:07	1
Sodium	67.5		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 23:07	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 23:07	1
Vanadium	ND		0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 23:07	1
Zinc	0.0036	J	0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 23:07	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:30	1

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Date Collected: 11/10/21 14:19

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/21 17:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/21 17:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/21 17:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/18/21 17:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/18/21 17:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/21 17:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/18/21 17:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/18/21 17:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/18/21 17:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/21 17:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/21 17:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/18/21 17:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/18/21 17:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/21 17:26	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/21 17:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/21 17:26	1
Acetone	ND		10	3.0	ug/L			11/18/21 17:26	1
Benzene	ND		1.0	0.41	ug/L			11/18/21 17:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/21 17:26	1
Bromoform	ND		1.0	0.26	ug/L			11/18/21 17:26	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/21 17:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/21 17:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/21 17:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/21 17:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/21 17:26	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/21 17:26	1
Chloroform	ND		1.0	0.34	ug/L			11/18/21 17:26	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/21 17:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/21 17:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/21 17:26	1
Cyclohexane	ND		1.0	0.18	ug/L			11/18/21 17:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/18/21 17:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/21 17:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/18/21 17:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/18/21 17:26	1
Methyl acetate	ND		2.5	1.3	ug/L			11/18/21 17:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/18/21 17:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/18/21 17:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/21 17:26	1
Styrene	ND		1.0	0.73	ug/L			11/18/21 17:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/21 17:26	1
Toluene	ND		1.0	0.51	ug/L			11/18/21 17:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Date Collected: 11/10/21 14:19

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/21 17:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/21 17:26	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/21 17:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/18/21 17:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/21 17:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/21 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		11/18/21 17:26	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		11/18/21 17:26	1
4-Bromofluorobenzene (Surr)	81		73 - 120		11/18/21 17:26	1
Dibromofluoromethane (Surr)	103		75 - 123		11/18/21 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*+	5.0	0.65	ug/L		11/16/21 06:44	11/23/21 11:26	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,4,5-Trichlorophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,4,6-Trichlorophenol	ND	*+	5.0	0.61	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,4-Dichlorophenol	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,4-Dimethylphenol	ND	*+	5.0	0.50	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,4-Dinitrotoluene	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 11:26	1
2,6-Dinitrotoluene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 11:26	1
2-Chloronaphthalene	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 11:26	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/16/21 06:44	11/23/21 11:26	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 11:26	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/16/21 06:44	11/23/21 11:26	1
2-Nitroaniline	ND	*+	10	0.42	ug/L		11/16/21 06:44	11/23/21 11:26	1
2-Nitrophenol	ND	*+	5.0	0.48	ug/L		11/16/21 06:44	11/23/21 11:26	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 11:26	1
3-Nitroaniline	ND		10	0.48	ug/L		11/16/21 06:44	11/23/21 11:26	1
4,6-Dinitro-2-methylphenol	ND	*+	10	2.2	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Bromophenyl phenyl ether	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Chloro-3-methylphenol	ND	*+	5.0	0.45	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Chlorophenyl phenyl ether	ND	*+	5.0	0.35	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Methylphenol	ND		10	0.36	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Nitroaniline	ND	*+	10	0.25	ug/L		11/16/21 06:44	11/23/21 11:26	1
4-Nitrophenol	ND		10	1.5	ug/L		11/16/21 06:44	11/23/21 11:26	1
Acenaphthene	ND	*+	5.0	0.41	ug/L		11/16/21 06:44	11/23/21 11:26	1
Acenaphthylene	ND	*+	5.0	0.38	ug/L		11/16/21 06:44	11/23/21 11:26	1
Acetophenone	ND	*+	5.0	0.54	ug/L		11/16/21 06:44	11/23/21 11:26	1
Anthracene	ND	*+	5.0	0.28	ug/L		11/16/21 06:44	11/23/21 11:26	1
Atrazine	ND	*+	5.0	0.46	ug/L		11/16/21 06:44	11/23/21 11:26	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/16/21 06:44	11/23/21 11:26	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 11:26	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 11:26	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 11:26	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 11:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Date Collected: 11/10/21 14:19

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/16/21 06:44	11/23/21 11:26	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 11:26	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 11:26	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 11:26	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/16/21 06:44	11/23/21 11:26	1
Caprolactam	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 11:26	1
Carbazole	ND	*+	5.0	0.30	ug/L		11/16/21 06:44	11/23/21 11:26	1
Chrysene	ND		5.0	0.33	ug/L		11/16/21 06:44	11/23/21 11:26	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/16/21 06:44	11/23/21 11:26	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/16/21 06:44	11/23/21 11:26	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 11:26	1
Dibenzofuran	ND	*+	10	0.51	ug/L		11/16/21 06:44	11/23/21 11:26	1
Diethyl phthalate	ND	*+	5.0	0.22	ug/L		11/16/21 06:44	11/23/21 11:26	1
Dimethyl phthalate	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 11:26	1
Fluoranthene	ND	*+	5.0	0.40	ug/L		11/16/21 06:44	11/23/21 11:26	1
Fluorene	ND	*+	5.0	0.36	ug/L		11/16/21 06:44	11/23/21 11:26	1
Hexachlorobenzene	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 11:26	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/16/21 06:44	11/23/21 11:26	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 11:26	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 11:26	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 11:26	1
Isophorone	ND	*+	5.0	0.43	ug/L		11/16/21 06:44	11/23/21 11:26	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 11:26	1
N-Nitrosodiphenylamine	ND	*+	5.0	0.51	ug/L		11/16/21 06:44	11/23/21 11:26	1
Naphthalene	ND		5.0	0.76	ug/L		11/16/21 06:44	11/23/21 11:26	1
Nitrobenzene	ND	*+	5.0	0.29	ug/L		11/16/21 06:44	11/23/21 11:26	1
Pentachlorophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 11:26	1
Phenanthrene	ND	*+	5.0	0.44	ug/L		11/16/21 06:44	11/23/21 11:26	1
Phenol	ND		5.0	0.39	ug/L		11/16/21 06:44	11/23/21 11:26	1
Pyrene	ND	*+	5.0	0.34	ug/L		11/16/21 06:44	11/23/21 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	114		46 - 120	11/16/21 06:44	11/23/21 11:26	1
Phenol-d5 (Surr)	70		22 - 120	11/16/21 06:44	11/23/21 11:26	1
p-Terphenyl-d14 (Surr)	101		60 - 148	11/16/21 06:44	11/23/21 11:26	1
2,4,6-Tribromophenol (Surr)	105		41 - 120	11/16/21 06:44	11/23/21 11:26	1
2-Fluorobiphenyl (Surr)	119		48 - 120	11/16/21 06:44	11/23/21 11:26	1
2-Fluorophenol (Surr)	92		35 - 120	11/16/21 06:44	11/23/21 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	H	5.0	0.65	ug/L		11/24/21 09:06	11/30/21 22:45	1
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 22:45	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:45	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Date Collected: 11/10/21 14:19

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 22:45	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		11/24/21 09:06	11/30/21 22:45	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:45	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		11/24/21 09:06	11/30/21 22:45	1
2-Nitroaniline	ND	H	10	0.42	ug/L		11/24/21 09:06	11/30/21 22:45	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		11/24/21 09:06	11/30/21 22:45	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:45	1
3-Nitroaniline	ND	H	10	0.48	ug/L		11/24/21 09:06	11/30/21 22:45	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Methylphenol	ND	H	10	0.36	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Nitroaniline	ND	H	10	0.25	ug/L		11/24/21 09:06	11/30/21 22:45	1
4-Nitrophenol	ND	H	10	1.5	ug/L		11/24/21 09:06	11/30/21 22:45	1
Acenaphthene	ND	H	5.0	0.41	ug/L		11/24/21 09:06	11/30/21 22:45	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		11/24/21 09:06	11/30/21 22:45	1
Acetophenone	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 22:45	1
Anthracene	ND	H	5.0	0.28	ug/L		11/24/21 09:06	11/30/21 22:45	1
Atrazine	ND	H	5.0	0.46	ug/L		11/24/21 09:06	11/30/21 22:45	1
Benzaldehyde	ND	H	5.0	0.27	ug/L		11/24/21 09:06	11/30/21 22:45	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 22:45	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 22:45	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 22:45	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 22:45	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		11/24/21 09:06	11/30/21 22:45	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		11/24/21 09:06	11/30/21 22:45	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:45	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 22:45	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		11/24/21 09:06	11/30/21 22:45	1
Caprolactam	ND	H	5.0	2.2	ug/L		11/24/21 09:06	11/30/21 22:45	1
Carbazole	ND	H	5.0	0.30	ug/L		11/24/21 09:06	11/30/21 22:45	1
Chrysene	ND	H	5.0	0.33	ug/L		11/24/21 09:06	11/30/21 22:45	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		11/24/21 09:06	11/30/21 22:45	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		11/24/21 09:06	11/30/21 22:45	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 22:45	1
Dibenzofuran	ND	H	10	0.51	ug/L		11/24/21 09:06	11/30/21 22:45	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		11/24/21 09:06	11/30/21 22:45	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 22:45	1
Fluoranthene	ND	H	5.0	0.40	ug/L		11/24/21 09:06	11/30/21 22:45	1
Fluorene	ND	H	5.0	0.36	ug/L		11/24/21 09:06	11/30/21 22:45	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 22:45	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		11/24/21 09:06	11/30/21 22:45	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 22:45	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		11/24/21 09:06	11/30/21 22:45	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		11/24/21 09:06	11/30/21 22:45	1
Isophorone	ND	H	5.0	0.43	ug/L		11/24/21 09:06	11/30/21 22:45	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		11/24/21 09:06	11/30/21 22:45	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Date Collected: 11/10/21 14:19

Matrix: Water

Date Received: 11/12/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		11/24/21 09:06	11/30/21 22:45	1
Naphthalene	ND	H	5.0	0.76	ug/L		11/24/21 09:06	11/30/21 22:45	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		11/24/21 09:06	11/30/21 22:45	1
Pentachlorophenol	ND	H	10	2.2	ug/L		11/24/21 09:06	11/30/21 22:45	1
Phenanthrene	ND	H	5.0	0.44	ug/L		11/24/21 09:06	11/30/21 22:45	1
Phenol	ND	H	5.0	0.39	ug/L		11/24/21 09:06	11/30/21 22:45	1
Pyrene	ND	H	5.0	0.34	ug/L		11/24/21 09:06	11/30/21 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	78		46 - 120	11/24/21 09:06	11/30/21 22:45	1
Phenol-d5 (Surr)	46		22 - 120	11/24/21 09:06	11/30/21 22:45	1
p-Terphenyl-d14 (Surr)	93		60 - 148	11/24/21 09:06	11/30/21 22:45	1
2,4,6-Tribromophenol (Surr)	66		41 - 120	11/24/21 09:06	11/30/21 22:45	1
2-Fluorobiphenyl (Surr)	96		48 - 120	11/24/21 09:06	11/30/21 22:45	1
2-Fluorophenol (Surr)	60		35 - 120	11/24/21 09:06	11/30/21 22:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		11/17/21 09:41	11/18/21 23:10	1
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 23:10	1
Arsenic	ND		0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 23:10	1
Barium	0.060		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 23:10	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 23:10	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 23:10	1
Calcium	194		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 23:10	1
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 23:10	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 23:10	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 23:10	1
Iron	0.79		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 23:10	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 23:10	1
Magnesium	50.6		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 23:10	1
Manganese	0.052		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 23:10	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 23:10	1
Potassium	2.7		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 23:10	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 23:10	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 23:10	1
Sodium	81.7		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 23:10	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 23:10	1
Vanadium	ND		0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 23:10	1
Zinc	0.017		0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 23:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:32	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 8260 TRIP BLANK

Lab Sample ID: 480-192275-7

Date Collected: 11/11/21 13:45

Matrix: Water

Date Received: 11/12/21 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/21 17:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/21 17:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/21 17:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/18/21 17:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/18/21 17:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/21 17:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/18/21 17:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/18/21 17:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/18/21 17:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/21 17:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/21 17:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/18/21 17:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/18/21 17:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/21 17:48	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/21 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/21 17:48	1
Acetone	ND		10	3.0	ug/L			11/18/21 17:48	1
Benzene	ND		1.0	0.41	ug/L			11/18/21 17:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/21 17:48	1
Bromoform	ND		1.0	0.26	ug/L			11/18/21 17:48	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/21 17:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/21 17:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/21 17:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/21 17:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/21 17:48	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/21 17:48	1
Chloroform	ND		1.0	0.34	ug/L			11/18/21 17:48	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/21 17:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/21 17:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/21 17:48	1
Cyclohexane	ND		1.0	0.18	ug/L			11/18/21 17:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/18/21 17:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/21 17:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/18/21 17:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/18/21 17:48	1
Methyl acetate	ND		2.5	1.3	ug/L			11/18/21 17:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/18/21 17:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/18/21 17:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/21 17:48	1
Styrene	ND		1.0	0.73	ug/L			11/18/21 17:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/21 17:48	1
Toluene	ND		1.0	0.51	ug/L			11/18/21 17:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/21 17:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/21 17:48	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/21 17:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/18/21 17:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/21 17:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/21 17:48	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 8260 TRIP BLANK

Lab Sample ID: 480-192275-7

Date Collected: 11/11/21 13:45

Matrix: Water

Date Received: 11/12/21 10:00

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Toluene-d8 (Surr)	100		80 - 120		11/18/21 17:48	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		11/18/21 17:48	1
4-Bromofluorobenzene (Surr)	86		73 - 120		11/18/21 17:48	1
Dibromofluoromethane (Surr)	101		75 - 123		11/18/21 17:48	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-192275-1	828021-GW-14	101	103	89	101
480-192275-2	828021-GW-11	100	102	86	100
480-192275-3	828021-DUP-11112021	99	101	84	102
480-192275-4	828021-GW-04	97	105	81	101
480-192275-4 MS	828021-GW-04	99	106	84	101
480-192275-4 MSD	828021-GW-04	102	101	85	98
480-192275-5	828021-GW-10	99	104	83	99
480-192275-6	828021-GW-2	95	103	81	103
480-192275-7	8260 TRIP BLANK	100	103	86	101
LCS 480-605537/4	Lab Control Sample	100	105	83	98
MB 480-605537/6	Method Blank	98	106	81	100

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)	TBP (41-120)	FBP (48-120)	2FP (35-120)
480-192275-1	828021-GW-14	95	58	80	104	96	79
480-192275-1 - RE	828021-GW-14	86	52	97	131 S1+	103	74
480-192275-2	828021-GW-11	105	64	106	96	110	85
480-192275-2 - RE	828021-GW-11	88	53	108	91	107	70
480-192275-3	828021-DUP-11112021	123 S1+	72	106	136 S1+	133 S1+	99
480-192275-3 - RE	828021-DUP-11112021	80	48	90	122 S1+	99	64
480-192275-4	828021-GW-04	104	61	104	79	109	81
480-192275-4 - RE	828021-GW-04	89	52	102	98	106	68
480-192275-4 MS	828021-GW-04	109	60	73	116	106	80
480-192275-4 MS - RE	828021-GW-04	88	52	86	123 S1+	105	71
480-192275-4 MSD	828021-GW-04	119	66	82	121 S1+	116	86
480-192275-4 MSD - RE	828021-GW-04	83	51	77	116	101	67
480-192275-5	828021-GW-10	103	64	88	90	106	85
480-192275-5 - RE	828021-GW-10	87	50	104	81	101	65
480-192275-6	828021-GW-2	114	70	101	105	119	92
480-192275-6 - RE	828021-GW-2	78	46	93	66	96	60
LCS 480-605089/2-A	Lab Control Sample	129 S1+	73	119	135 S1+	130 S1+	95
LCS 480-606423/2-A	Lab Control Sample	76	44	104	114	93	58
MB 480-605089/1-A	Method Blank	121 S1+	72	138	99	129 S1+	97
MB 480-606423/1-A	Method Blank	68	41	105	77	84	53

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Surrogate Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road
2FP = 2-Fluorophenol (Surr)

Job ID: 480-192275-1

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-605537/6

Matrix: Water

Analysis Batch: 605537

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/18/21 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/18/21 11:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/18/21 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/18/21 11:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/18/21 11:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/18/21 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/18/21 11:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/18/21 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/18/21 11:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/18/21 11:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/18/21 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/18/21 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/18/21 11:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/18/21 11:53	1
2-Hexanone	ND		5.0	1.2	ug/L			11/18/21 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/18/21 11:53	1
Acetone	ND		10	3.0	ug/L			11/18/21 11:53	1
Benzene	ND		1.0	0.41	ug/L			11/18/21 11:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/18/21 11:53	1
Bromoform	ND		1.0	0.26	ug/L			11/18/21 11:53	1
Bromomethane	ND		1.0	0.69	ug/L			11/18/21 11:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/18/21 11:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/18/21 11:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/18/21 11:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/18/21 11:53	1
Chloroethane	ND		1.0	0.32	ug/L			11/18/21 11:53	1
Chloroform	ND		1.0	0.34	ug/L			11/18/21 11:53	1
Chloromethane	ND		1.0	0.35	ug/L			11/18/21 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/18/21 11:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/18/21 11:53	1
Cyclohexane	ND		1.0	0.18	ug/L			11/18/21 11:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/18/21 11:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/18/21 11:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/18/21 11:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/18/21 11:53	1
Methyl acetate	ND		2.5	1.3	ug/L			11/18/21 11:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/18/21 11:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/18/21 11:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/18/21 11:53	1
Styrene	ND		1.0	0.73	ug/L			11/18/21 11:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/18/21 11:53	1
Toluene	ND		1.0	0.51	ug/L			11/18/21 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/18/21 11:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/18/21 11:53	1
Trichloroethene	ND		1.0	0.46	ug/L			11/18/21 11:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/18/21 11:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/18/21 11:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/18/21 11:53	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-605537/6
Matrix: Water
Analysis Batch: 605537

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	98		80 - 120		11/18/21 11:53	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		11/18/21 11:53	1
4-Bromofluorobenzene (Surr)	81		73 - 120		11/18/21 11:53	1
Dibromofluoromethane (Surr)	100		75 - 123		11/18/21 11:53	1

Lab Sample ID: LCS 480-605537/4
Matrix: Water
Analysis Batch: 605537

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	23.4		ug/L		93	73 - 126
1,1,1,2-Tetrachloroethane	25.0	27.8		ug/L		111	76 - 120
1,1,2-Trichloroethane	25.0	23.4		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.3		ug/L		85	61 - 148
1,1-Dichloroethane	25.0	25.7		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	22.5		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	21.9		ug/L		88	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.0		ug/L		84	56 - 134
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
2-Hexanone	125	107		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	165		ug/L		132	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Bromoform	25.0	20.4		ug/L		81	61 - 132
Bromomethane	25.0	23.8		ug/L		95	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	23.1		ug/L		92	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Chloroethane	25.0	27.2		ug/L		109	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	30.8		ug/L		123	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124
Cyclohexane	25.0	23.9		ug/L		96	59 - 135
Dichlorodifluoromethane	25.0	25.4		ug/L		102	59 - 135
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	22.0		ug/L		88	77 - 120
Isopropylbenzene	25.0	28.5		ug/L		114	77 - 122
Methyl acetate	50.0	46.3		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	21.0		ug/L		84	68 - 134

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-605537/4
Matrix: Water
Analysis Batch: 605537

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
Styrene	25.0	22.2		ug/L		89	80 - 120
Tetrachloroethene	25.0	20.4		ug/L		82	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	23.4		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	27.2		ug/L		109	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	83		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123

Lab Sample ID: 480-192275-4 MS
Matrix: Water
Analysis Batch: 605537

Client Sample ID: 828021-GW-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	28.1		ug/L		112	73 - 126
1,1,2,2-Tetrachloroethane	ND	F1	25.0	28.8		ug/L		115	76 - 120
1,1,2-Trichloroethane	ND		25.0	23.7		ug/L		95	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.8		ug/L		99	61 - 148
1,1-Dichloroethane	ND	F1	25.0	29.6		ug/L		119	77 - 120
1,1-Dichloroethene	ND		25.0	26.9		ug/L		108	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	23.2		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	23.2		ug/L		93	56 - 134
1,2-Dichlorobenzene	ND		25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	ND		25.0	26.5		ug/L		106	75 - 120
1,2-Dichloropropane	ND		25.0	27.4		ug/L		110	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.9		ug/L		104	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.6		ug/L		99	78 - 124
2-Butanone (MEK)	ND		125	113		ug/L		90	57 - 140
2-Hexanone	ND		125	109		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	129		ug/L		103	71 - 125
Acetone	ND		125	148		ug/L		118	56 - 142
Benzene	ND		25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	ND		25.0	25.9		ug/L		103	80 - 122
Bromoform	ND	F2	25.0	17.7		ug/L		71	61 - 132
Bromomethane	ND		25.0	29.4		ug/L		117	55 - 144
Carbon disulfide	ND		25.0	27.1		ug/L		108	59 - 134
Carbon tetrachloride	ND		25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	ND		25.0	24.7		ug/L		99	80 - 120
Dibromochloromethane	ND		25.0	22.7		ug/L		91	75 - 125
Chloroethane	ND	F1	25.0	33.5		ug/L		134	69 - 136
Chloroform	ND		25.0	26.1		ug/L		105	73 - 127

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-192275-4 MSD
Matrix: Water
Analysis Batch: 605537

Client Sample ID: 828021-GW-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	152		ug/L		121	56 - 142	3	15
Benzene	ND		25.0	27.5		ug/L		110	71 - 124	2	13
Bromodichloromethane	ND		25.0	27.3		ug/L		109	80 - 122	5	15
Bromoform	ND	F2	25.0	20.9	F2	ug/L		84	61 - 132	16	15
Bromomethane	ND		25.0	28.6		ug/L		114	55 - 144	3	15
Carbon disulfide	ND		25.0	27.3		ug/L		109	59 - 134	1	15
Carbon tetrachloride	ND		25.0	28.1		ug/L		112	72 - 134	2	15
Chlorobenzene	ND		25.0	26.7		ug/L		107	80 - 120	8	25
Dibromochloromethane	ND		25.0	25.4		ug/L		102	75 - 125	11	15
Chloroethane	ND	F1	25.0	34.7	F1	ug/L		139	69 - 136	4	15
Chloroform	ND		25.0	26.6		ug/L		106	73 - 127	2	20
Chloromethane	ND	F1	25.0	33.6	F1	ug/L		134	68 - 124	7	15
cis-1,2-Dichloroethene	ND		25.0	27.5		ug/L		110	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	24.1		ug/L		96	74 - 124	4	15
Cyclohexane	ND		25.0	30.6		ug/L		122	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	30.9		ug/L		124	59 - 135	7	20
Ethylbenzene	ND		25.0	27.6		ug/L		110	77 - 123	7	15
1,2-Dibromoethane	ND		25.0	24.1		ug/L		97	77 - 120	6	15
Isopropylbenzene	ND	F1	25.0	35.4	F1	ug/L		141	77 - 122	12	20
Methyl acetate	ND		50.0	47.7		ug/L		95	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	27.0		ug/L		108	77 - 120	2	37
Methylcyclohexane	ND		25.0	26.0		ug/L		104	68 - 134	4	20
Methylene Chloride	ND		25.0	29.1		ug/L		116	75 - 124	2	15
Styrene	ND		25.0	25.5		ug/L		102	80 - 120	7	20
Tetrachloroethene	ND		25.0	24.4		ug/L		98	74 - 122	8	20
Toluene	ND		25.0	28.4		ug/L		114	80 - 122	8	15
trans-1,2-Dichloroethene	ND		25.0	28.1		ug/L		113	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	25.9		ug/L		104	80 - 120	11	15
Trichloroethene	ND		25.0	26.5		ug/L		106	74 - 123	3	16
Trichlorofluoromethane	ND		25.0	34.5		ug/L		138	62 - 150	5	20
Vinyl chloride	ND	F1	25.0	37.8	F1	ug/L		151	65 - 133	2	15

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
Toluene-d8 (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	85		73 - 120
Dibromofluoromethane (Surr)	98		75 - 123

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

Lab Sample ID: MB 480-605089/1-A
Matrix: Water
Analysis Batch: 606080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/16/21 06:44	11/23/21 07:23	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/16/21 06:44	11/23/21 07:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/16/21 06:44	11/23/21 07:23	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/16/21 06:44	11/23/21 07:23	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: MB 480-605089/1-A
Matrix: Water
Analysis Batch: 606080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605089

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/16/21 06:44	11/23/21 07:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/16/21 06:44	11/23/21 07:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 07:23	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/16/21 06:44	11/23/21 07:23	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 07:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/16/21 06:44	11/23/21 07:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/16/21 06:44	11/23/21 07:23	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 07:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/16/21 06:44	11/23/21 07:23	1
2-Nitroaniline	ND		10	0.42	ug/L		11/16/21 06:44	11/23/21 07:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/16/21 06:44	11/23/21 07:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 07:23	1
3-Nitroaniline	ND		10	0.48	ug/L		11/16/21 06:44	11/23/21 07:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Methylphenol	ND		10	0.36	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Nitroaniline	ND		10	0.25	ug/L		11/16/21 06:44	11/23/21 07:23	1
4-Nitrophenol	ND		10	1.5	ug/L		11/16/21 06:44	11/23/21 07:23	1
Acenaphthene	ND		5.0	0.41	ug/L		11/16/21 06:44	11/23/21 07:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/16/21 06:44	11/23/21 07:23	1
Acetophenone	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 07:23	1
Anthracene	ND		5.0	0.28	ug/L		11/16/21 06:44	11/23/21 07:23	1
Atrazine	ND		5.0	0.46	ug/L		11/16/21 06:44	11/23/21 07:23	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/16/21 06:44	11/23/21 07:23	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 07:23	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 07:23	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 07:23	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 07:23	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/16/21 06:44	11/23/21 07:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/16/21 06:44	11/23/21 07:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 07:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 07:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/16/21 06:44	11/23/21 07:23	1
Caprolactam	ND		5.0	2.2	ug/L		11/16/21 06:44	11/23/21 07:23	1
Carbazole	ND		5.0	0.30	ug/L		11/16/21 06:44	11/23/21 07:23	1
Chrysene	ND		5.0	0.33	ug/L		11/16/21 06:44	11/23/21 07:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/16/21 06:44	11/23/21 07:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/16/21 06:44	11/23/21 07:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 07:23	1
Dibenzofuran	ND		10	0.51	ug/L		11/16/21 06:44	11/23/21 07:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/16/21 06:44	11/23/21 07:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 07:23	1
Fluoranthene	ND		5.0	0.40	ug/L		11/16/21 06:44	11/23/21 07:23	1
Fluorene	ND		5.0	0.36	ug/L		11/16/21 06:44	11/23/21 07:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/16/21 06:44	11/23/21 07:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/16/21 06:44	11/23/21 07:23	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: MB 480-605089/1-A
Matrix: Water
Analysis Batch: 606080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 07:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/16/21 06:44	11/23/21 07:23	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/16/21 06:44	11/23/21 07:23	1
Isophorone	ND		5.0	0.43	ug/L		11/16/21 06:44	11/23/21 07:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/16/21 06:44	11/23/21 07:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/16/21 06:44	11/23/21 07:23	1
Naphthalene	0.905	J	5.0	0.76	ug/L		11/16/21 06:44	11/23/21 07:23	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/16/21 06:44	11/23/21 07:23	1
Pentachlorophenol	ND		10	2.2	ug/L		11/16/21 06:44	11/23/21 07:23	1
Phenanthrene	ND		5.0	0.44	ug/L		11/16/21 06:44	11/23/21 07:23	1
Phenol	ND		5.0	0.39	ug/L		11/16/21 06:44	11/23/21 07:23	1
Pyrene	ND		5.0	0.34	ug/L		11/16/21 06:44	11/23/21 07:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	121	S1+	46 - 120	11/16/21 06:44	11/23/21 07:23	1
Phenol-d5 (Surr)	72		22 - 120	11/16/21 06:44	11/23/21 07:23	1
p-Terphenyl-d14 (Surr)	138		60 - 148	11/16/21 06:44	11/23/21 07:23	1
2,4,6-Tribromophenol (Surr)	99		41 - 120	11/16/21 06:44	11/23/21 07:23	1
2-Fluorobiphenyl (Surr)	129	S1+	48 - 120	11/16/21 06:44	11/23/21 07:23	1
2-Fluorophenol (Surr)	97		35 - 120	11/16/21 06:44	11/23/21 07:23	1

Lab Sample ID: LCS 480-605089/2-A
Matrix: Water
Analysis Batch: 606080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Biphenyl	32.0	40.0	*+	ug/L		125		59 - 120
bis (2-chloroisopropyl) ether	32.0	35.6		ug/L		111		21 - 136
2,4,5-Trichlorophenol	32.0	42.2	*+	ug/L		132		65 - 126
2,4,6-Trichlorophenol	32.0	40.4	*+	ug/L		126		64 - 120
2,4-Dichlorophenol	32.0	42.3	*+	ug/L		132		63 - 120
2,4-Dimethylphenol	32.0	41.4	*+	ug/L		129		47 - 120
2,4-Dinitrophenol	64.0	80.9		ug/L		126		31 - 137
2,4-Dinitrotoluene	32.0	43.8	*+	ug/L		137		69 - 120
2,6-Dinitrotoluene	32.0	43.5	*+	ug/L		136		68 - 120
2-Chloronaphthalene	32.0	39.4	*+	ug/L		123		58 - 120
2-Chlorophenol	32.0	38.4		ug/L		120		48 - 120
2-Methylphenol	32.0	38.4		ug/L		120		39 - 120
2-Methylnaphthalene	32.0	37.9		ug/L		119		59 - 120
2-Nitroaniline	32.0	42.6	*+	ug/L		133		54 - 127
2-Nitrophenol	32.0	42.2	*+	ug/L		132		52 - 125
3,3'-Dichlorobenzidine	64.0	81.8		ug/L		128		49 - 135
3-Nitroaniline	32.0	36.2		ug/L		113		51 - 120
4,6-Dinitro-2-methylphenol	64.0	91.3	*+	ug/L		143		46 - 136
4-Bromophenyl phenyl ether	32.0	42.8	*+	ug/L		134		65 - 120
4-Chloro-3-methylphenol	32.0	43.5	*+	ug/L		136		61 - 123
4-Chloroaniline	32.0	31.9		ug/L		100		30 - 120
4-Chlorophenyl phenyl ether	32.0	41.1	*+	ug/L		128		62 - 120

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: LCS 480-605089/2-A

Matrix: Water

Analysis Batch: 606080

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 605089

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methylphenol	32.0	36.5		ug/L		114	29 - 131
4-Nitroaniline	32.0	44.9	*+	ug/L		140	65 - 120
4-Nitrophenol	64.0	61.9		ug/L		97	45 - 120
Acenaphthene	32.0	41.3	*+	ug/L		129	60 - 120
Acenaphthylene	32.0	39.9	*+	ug/L		125	63 - 120
Acetophenone	32.0	39.6	*+	ug/L		124	45 - 120
Anthracene	32.0	41.6	*+	ug/L		130	67 - 120
Atrazine	64.0	87.3	E *+	ug/L		136	71 - 130
Benzaldehyde	64.0	74.8	E	ug/L		117	10 - 140
Benzo[a]anthracene	32.0	37.9		ug/L		119	70 - 121
Benzo[a]pyrene	32.0	33.1		ug/L		103	60 - 123
Benzo[b]fluoranthene	32.0	38.0		ug/L		119	66 - 126
Benzo[g,h,i]perylene	32.0	38.2		ug/L		119	66 - 150
Benzo[k]fluoranthene	32.0	37.6		ug/L		117	65 - 124
Bis(2-chloroethoxy)methane	32.0	41.1		ug/L		128	50 - 128
Bis(2-chloroethyl)ether	32.0	37.5		ug/L		117	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	35.9		ug/L		112	63 - 139
Butyl benzyl phthalate	32.0	41.0		ug/L		128	70 - 129
Caprolactam	64.0	34.7		ug/L		54	22 - 120
Carbazole	32.0	50.2	*+	ug/L		157	66 - 123
Chrysene	32.0	36.6		ug/L		114	69 - 120
Dibenz(a,h)anthracene	32.0	38.2		ug/L		120	65 - 135
Di-n-butyl phthalate	32.0	41.7		ug/L		130	69 - 131
Di-n-octyl phthalate	32.0	38.1		ug/L		119	63 - 140
Dibenzofuran	32.0	41.4	*+	ug/L		129	66 - 120
Diethyl phthalate	32.0	42.9	*+	ug/L		134	59 - 127
Dimethyl phthalate	32.0	44.3	*+	ug/L		138	68 - 120
Fluoranthene	32.0	42.8	*+	ug/L		134	69 - 126
Fluorene	32.0	42.0	*+	ug/L		131	66 - 120
Hexachlorobenzene	32.0	40.2	*+	ug/L		126	61 - 120
Hexachlorobutadiene	32.0	33.4		ug/L		104	35 - 120
Hexachlorocyclopentadiene	32.0	28.5		ug/L		89	31 - 120
Hexachloroethane	32.0	32.4		ug/L		101	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	37.1		ug/L		116	69 - 146
Isophorone	32.0	42.4	*+	ug/L		132	55 - 120
N-Nitrosodi-n-propylamine	32.0	41.0		ug/L		128	32 - 140
N-Nitrosodiphenylamine	32.0	43.9	*+	ug/L		137	61 - 120
Naphthalene	32.0	37.9		ug/L		118	57 - 120
Nitrobenzene	32.0	41.6	*+	ug/L		130	53 - 123
Pentachlorophenol	64.0	81.9		ug/L		128	29 - 136
Phenanthrene	32.0	43.5	*+	ug/L		136	68 - 120
Phenol	32.0	23.5		ug/L		73	17 - 120
Pyrene	32.0	41.3	*+	ug/L		129	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	129	S1+	46 - 120
Phenol-d5 (Surr)	73		22 - 120
p-Terphenyl-d14 (Surr)	119		60 - 148

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: LCS 480-605089/2-A
Matrix: Water
Analysis Batch: 606080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605089

Surrogate	LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	135	S1+	41 - 120
2-Fluorobiphenyl (Surr)	130	S1+	48 - 120
2-Fluorophenol (Surr)	95		35 - 120

Lab Sample ID: 480-192275-4 MS
Matrix: Water
Analysis Batch: 606080

Client Sample ID: 828021-GW-04
Prep Type: Total/NA
Prep Batch: 605089

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Biphenyl	ND	*+	32.0	33.0		ug/L		103	57 - 120
bis (2-chloroisopropyl) ether	ND		32.0	30.1		ug/L		94	28 - 121
2,4,5-Trichlorophenol	ND	*+	32.0	34.5		ug/L		108	65 - 126
2,4,6-Trichlorophenol	ND	*+	32.0	34.3		ug/L		107	64 - 120
2,4-Dichlorophenol	ND	*+	32.0	34.6		ug/L		108	48 - 132
2,4-Dimethylphenol	ND	*+	32.0	34.0		ug/L		106	39 - 130
2,4-Dinitrophenol	ND		64.0	68.1		ug/L		106	21 - 150
2,4-Dinitrotoluene	ND	*+	32.0	36.3		ug/L		113	54 - 138
2,6-Dinitrotoluene	ND	*+	32.0	36.5		ug/L		114	17 - 150
2-Chloronaphthalene	ND	*+	32.0	32.4		ug/L		101	52 - 124
2-Chlorophenol	ND		32.0	32.4		ug/L		101	48 - 120
2-Methylphenol	ND		32.0	31.4		ug/L		98	46 - 120
2-Methylnaphthalene	ND		32.0	31.3		ug/L		98	34 - 140
2-Nitroaniline	ND	*+	32.0	35.3		ug/L		110	44 - 136
2-Nitrophenol	ND	*+	32.0	35.9		ug/L		112	38 - 141
3,3'-Dichlorobenzidine	ND		64.0	64.9		ug/L		101	10 - 150
3-Nitroaniline	ND		32.0	29.6		ug/L		93	32 - 150
4,6-Dinitro-2-methylphenol	ND	*+	64.0	77.4		ug/L		121	38 - 150
4-Bromophenyl phenyl ether	ND	*+	32.0	35.9		ug/L		112	63 - 126
4-Chloro-3-methylphenol	ND	*+	32.0	35.4		ug/L		111	64 - 127
4-Chloroaniline	ND		32.0	26.7		ug/L		83	16 - 124
4-Chlorophenyl phenyl ether	ND	*+	32.0	33.5		ug/L		105	61 - 120
4-Methylphenol	ND		32.0	29.7		ug/L		93	36 - 120
4-Nitroaniline	ND	*+	32.0	35.0		ug/L		109	32 - 150
4-Nitrophenol	ND		64.0	50.4		ug/L		79	23 - 132
Acenaphthene	ND	*+	32.0	33.8		ug/L		106	48 - 120
Acenaphthylene	ND	*+	32.0	33.5		ug/L		105	63 - 120
Acetophenone	ND	*+	32.0	32.8		ug/L		102	53 - 120
Anthracene	ND	*+	32.0	35.6		ug/L		111	65 - 122
Atrazine	ND	*+	64.0	74.8	E	ug/L		117	50 - 150
Benzaldehyde	ND		64.0	63.2		ug/L		99	10 - 150
Benzo[a]anthracene	ND		32.0	25.1		ug/L		78	43 - 124
Benzo[a]pyrene	ND		32.0	19.1		ug/L		60	23 - 125
Benzo[b]fluoranthene	ND		32.0	22.1		ug/L		69	27 - 127
Benzo[g,h,i]perylene	ND		32.0	21.1		ug/L		66	16 - 147
Benzo[k]fluoranthene	ND		32.0	21.5		ug/L		67	20 - 124
Bis(2-chloroethoxy)methane	ND		32.0	34.1		ug/L		106	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	31.8		ug/L		99	45 - 120
Bis(2-ethylhexyl) phthalate	ND		32.0	21.0		ug/L		66	16 - 150

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: 480-192275-4 MS

Matrix: Water

Analysis Batch: 606080

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605089

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Butyl benzyl phthalate	ND		32.0	30.6		ug/L		96		51 - 140
Caprolactam	ND		64.0	27.9		ug/L		44		10 - 120
Carbazole	ND	*+	32.0	41.7		ug/L		130		16 - 148
Chrysene	ND		32.0	24.1		ug/L		75		44 - 122
Dibenz(a,h)anthracene	ND		32.0	20.4		ug/L		64		16 - 139
Di-n-butyl phthalate	ND		32.0	35.0		ug/L		109		65 - 129
Di-n-octyl phthalate	ND		32.0	22.1		ug/L		69		16 - 150
Dibenzofuran	ND	*+	32.0	34.0		ug/L		106		60 - 120
Diethyl phthalate	ND	*+	32.0	35.6		ug/L		111		53 - 133
Dimethyl phthalate	ND	*+ F1	32.0	36.9		ug/L		115		59 - 123
Fluoranthene	ND	*+	32.0	36.4		ug/L		114		63 - 129
Fluorene	ND	*+	32.0	34.4		ug/L		108		62 - 120
Hexachlorobenzene	ND	*+	32.0	32.4		ug/L		101		57 - 121
Hexachlorobutadiene	ND		32.0	28.0		ug/L		88		37 - 120
Hexachlorocyclopentadiene	ND		32.0	23.2		ug/L		73		21 - 120
Hexachloroethane	ND		32.0	27.6		ug/L		86		16 - 130
Indeno[1,2,3-cd]pyrene	ND		32.0	20.2		ug/L		63		16 - 140
Isophorone	ND	*+	32.0	35.4		ug/L		111		48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	34.6		ug/L		108		49 - 120
N-Nitrosodiphenylamine	ND	*+	32.0	37.2		ug/L		116		39 - 138
Naphthalene	ND		32.0	32.3		ug/L		101		45 - 120
Nitrobenzene	ND	*+	32.0	34.8		ug/L		109		45 - 123
Pentachlorophenol	ND		64.0	71.6		ug/L		112		23 - 149
Phenanthrene	ND	*+	32.0	36.8		ug/L		115		65 - 122
Phenol	ND		32.0	19.7		ug/L		62		16 - 120
Pyrene	ND	*+	32.0	33.8		ug/L		106		58 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	109		46 - 120
Phenol-d5 (Surr)	60		22 - 120
p-Terphenyl-d14 (Surr)	73		60 - 148
2,4,6-Tribromophenol (Surr)	116		41 - 120
2-Fluorobiphenyl (Surr)	106		48 - 120
2-Fluorophenol (Surr)	80		35 - 120

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 606080

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605089

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Biphenyl	ND	*+	32.0	35.7		ug/L		112		8	20
bis (2-chloroisopropyl) ether	ND		32.0	32.8		ug/L		102		8	24
2,4,5-Trichlorophenol	ND	*+	32.0	39.0		ug/L		122		12	18
2,4,6-Trichlorophenol	ND	*+	32.0	37.5		ug/L		117		9	19
2,4-Dichlorophenol	ND	*+	32.0	38.2		ug/L		119		10	19
2,4-Dimethylphenol	ND	*+	32.0	37.2		ug/L		116		9	42
2,4-Dinitrophenol	ND		64.0	73.3		ug/L		115		7	22
2,4-Dinitrotoluene	ND	*+	32.0	40.1		ug/L		125		10	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 606080

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605089

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier		Added	Result				Qualifier		Limits	Limit
2,6-Dinitrotoluene	ND	*+	32.0	40.1		ug/L		125	17 - 150	9	15
2-Chloronaphthalene	ND	*+	32.0	35.1		ug/L		110	52 - 124	8	21
2-Chlorophenol	ND		32.0	34.8		ug/L		109	48 - 120	7	25
2-Methylphenol	ND		32.0	34.4		ug/L		107	46 - 120	9	27
2-Methylnaphthalene	ND		32.0	34.2		ug/L		107	34 - 140	9	21
2-Nitroaniline	ND	*+	32.0	38.2		ug/L		120	44 - 136	8	15
2-Nitrophenol	ND	*+	32.0	39.1		ug/L		122	38 - 141	9	18
3,3'-Dichlorobenzidine	ND		64.0	75.0		ug/L		117	10 - 150	14	25
3-Nitroaniline	ND		32.0	31.8		ug/L		99	32 - 150	7	19
4,6-Dinitro-2-methylphenol	ND	*+	64.0	78.2		ug/L		122	38 - 150	1	15
4-Bromophenyl phenyl ether	ND	*+	32.0	36.1		ug/L		113	63 - 126	1	15
4-Chloro-3-methylphenol	ND	*+	32.0	39.0		ug/L		122	64 - 127	10	27
4-Chloroaniline	ND		32.0	28.4		ug/L		89	16 - 124	6	22
4-Chlorophenyl phenyl ether	ND	*+	32.0	36.2		ug/L		113	61 - 120	8	16
4-Methylphenol	ND		32.0	33.1		ug/L		103	36 - 120	11	24
4-Nitroaniline	ND	*+	32.0	40.8		ug/L		127	32 - 150	15	24
4-Nitrophenol	ND		64.0	53.4		ug/L		83	23 - 132	6	48
Acenaphthene	ND	*+	32.0	37.0		ug/L		116	48 - 120	9	24
Acenaphthylene	ND	*+	32.0	36.2		ug/L		113	63 - 120	8	18
Acetophenone	ND	*+	32.0	36.5		ug/L		114	53 - 120	11	20
Anthracene	ND	*+	32.0	36.2		ug/L		113	65 - 122	2	15
Atrazine	ND	*+	64.0	79.0	E	ug/L		123	50 - 150	5	20
Benzaldehyde	ND		64.0	68.7	E	ug/L		107	10 - 150	8	20
Benzo[a]anthracene	ND		32.0	27.3		ug/L		85	43 - 124	9	15
Benzo[a]pyrene	ND		32.0	20.9		ug/L		65	23 - 125	9	15
Benzo[b]fluoranthene	ND		32.0	24.0		ug/L		75	27 - 127	9	15
Benzo[g,h,i]perylene	ND		32.0	23.3		ug/L		73	16 - 147	10	15
Benzo[k]fluoranthene	ND		32.0	23.5		ug/L		73	20 - 124	9	22
Bis(2-chloroethoxy)methane	ND		32.0	37.1		ug/L		116	44 - 128	9	17
Bis(2-chloroethyl)ether	ND		32.0	34.8		ug/L		109	45 - 120	9	21
Bis(2-ethylhexyl) phthalate	ND		32.0	23.1		ug/L		72	16 - 150	9	15
Butyl benzyl phthalate	ND		32.0	33.2		ug/L		104	51 - 140	8	16
Caprolactam	ND		64.0	30.0		ug/L		47	10 - 120	7	20
Carbazole	ND	*+	32.0	44.4		ug/L		139	16 - 148	6	20
Chrysene	ND		32.0	25.6		ug/L		80	44 - 122	6	15
Dibenz(a,h)anthracene	ND		32.0	22.7		ug/L		71	16 - 139	11	15
Di-n-butyl phthalate	ND		32.0	35.2		ug/L		110	65 - 129	1	15
Di-n-octyl phthalate	ND		32.0	24.5		ug/L		77	16 - 150	10	16
Dibenzofuran	ND	*+	32.0	37.0		ug/L		116	60 - 120	9	15
Diethyl phthalate	ND	*+	32.0	39.1		ug/L		122	53 - 133	9	15
Dimethyl phthalate	ND	*+ F1	32.0	40.2	F1	ug/L		126	59 - 123	9	15
Fluoranthene	ND	*+	32.0	37.2		ug/L		116	63 - 129	2	15
Fluorene	ND	*+	32.0	38.2		ug/L		119	62 - 120	10	15
Hexachlorobenzene	ND	*+	32.0	32.8		ug/L		103	57 - 121	1	15
Hexachlorobutadiene	ND		32.0	30.2		ug/L		94	37 - 120	8	44
Hexachlorocyclopentadiene	ND		32.0	24.8		ug/L		78	21 - 120	7	49
Hexachloroethane	ND		32.0	30.5		ug/L		95	16 - 130	10	46
Indeno[1,2,3-cd]pyrene	ND		32.0	22.5		ug/L		70	16 - 140	11	15
Isophorone	ND	*+	32.0	38.4		ug/L		120	48 - 133	8	17

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 606080

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605089

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodi-n-propylamine	ND		32.0	38.4		ug/L		120	49 - 120	10	31
N-Nitrosodiphenylamine	ND	*+	32.0	37.9		ug/L		118	39 - 138	2	15
Naphthalene	ND		32.0	34.7		ug/L		109	45 - 120	7	29
Nitrobenzene	ND	*+	32.0	37.5		ug/L		117	45 - 123	8	24
Pentachlorophenol	ND		64.0	71.1		ug/L		111	23 - 149	1	37
Phenanthrene	ND	*+	32.0	38.3		ug/L		120	65 - 122	4	15
Phenol	ND		32.0	21.1		ug/L		66	16 - 120	7	34
Pyrene	ND	*+	32.0	36.3		ug/L		113	58 - 128	7	19

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	119		46 - 120
Phenol-d5 (Surr)	66		22 - 120
p-Terphenyl-d14 (Surr)	82		60 - 148
2,4,6-Tribromophenol (Surr)	121	S1+	41 - 120
2-Fluorobiphenyl (Surr)	116		48 - 120
2-Fluorophenol (Surr)	86		35 - 120

Lab Sample ID: MB 480-606423/1-A

Matrix: Water

Analysis Batch: 607022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 606423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/24/21 09:06	11/30/21 18:40	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/24/21 09:06	11/30/21 18:40	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/24/21 09:06	11/30/21 18:40	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/24/21 09:06	11/30/21 18:40	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/24/21 09:06	11/30/21 18:40	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/24/21 09:06	11/30/21 18:40	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/24/21 09:06	11/30/21 18:40	1
2-Nitroaniline	ND		10	0.42	ug/L		11/24/21 09:06	11/30/21 18:40	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/24/21 09:06	11/30/21 18:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/24/21 09:06	11/30/21 18:40	1
3-Nitroaniline	ND		10	0.48	ug/L		11/24/21 09:06	11/30/21 18:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Methylphenol	ND		10	0.36	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Nitroaniline	ND		10	0.25	ug/L		11/24/21 09:06	11/30/21 18:40	1
4-Nitrophenol	ND		10	1.5	ug/L		11/24/21 09:06	11/30/21 18:40	1
Acenaphthene	ND		5.0	0.41	ug/L		11/24/21 09:06	11/30/21 18:40	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: MB 480-606423/1-A
Matrix: Water
Analysis Batch: 607022

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606423

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthylene	ND		5.0	0.38	ug/L		11/24/21 09:06	11/30/21 18:40	1
Acetophenone	ND		5.0	0.54	ug/L		11/24/21 09:06	11/30/21 18:40	1
Anthracene	ND		5.0	0.28	ug/L		11/24/21 09:06	11/30/21 18:40	1
Atrazine	ND		5.0	0.46	ug/L		11/24/21 09:06	11/30/21 18:40	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/24/21 09:06	11/30/21 18:40	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		11/24/21 09:06	11/30/21 18:40	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		11/24/21 09:06	11/30/21 18:40	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		11/24/21 09:06	11/30/21 18:40	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		11/24/21 09:06	11/30/21 18:40	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		11/24/21 09:06	11/30/21 18:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/24/21 09:06	11/30/21 18:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/24/21 09:06	11/30/21 18:40	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/24/21 09:06	11/30/21 18:40	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/24/21 09:06	11/30/21 18:40	1
Caprolactam	ND		5.0	2.2	ug/L		11/24/21 09:06	11/30/21 18:40	1
Carbazole	ND		5.0	0.30	ug/L		11/24/21 09:06	11/30/21 18:40	1
Chrysene	ND		5.0	0.33	ug/L		11/24/21 09:06	11/30/21 18:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/24/21 09:06	11/30/21 18:40	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		11/24/21 09:06	11/30/21 18:40	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/24/21 09:06	11/30/21 18:40	1
Dibenzofuran	ND		10	0.51	ug/L		11/24/21 09:06	11/30/21 18:40	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/24/21 09:06	11/30/21 18:40	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/24/21 09:06	11/30/21 18:40	1
Fluoranthene	ND		5.0	0.40	ug/L		11/24/21 09:06	11/30/21 18:40	1
Fluorene	ND		5.0	0.36	ug/L		11/24/21 09:06	11/30/21 18:40	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/24/21 09:06	11/30/21 18:40	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/24/21 09:06	11/30/21 18:40	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/24/21 09:06	11/30/21 18:40	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/24/21 09:06	11/30/21 18:40	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		11/24/21 09:06	11/30/21 18:40	1
Isophorone	ND		5.0	0.43	ug/L		11/24/21 09:06	11/30/21 18:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/24/21 09:06	11/30/21 18:40	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/24/21 09:06	11/30/21 18:40	1
Naphthalene	ND		5.0	0.76	ug/L		11/24/21 09:06	11/30/21 18:40	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/24/21 09:06	11/30/21 18:40	1
Pentachlorophenol	ND		10	2.2	ug/L		11/24/21 09:06	11/30/21 18:40	1
Phenanthrene	ND		5.0	0.44	ug/L		11/24/21 09:06	11/30/21 18:40	1
Phenol	ND		5.0	0.39	ug/L		11/24/21 09:06	11/30/21 18:40	1
Pyrene	ND		5.0	0.34	ug/L		11/24/21 09:06	11/30/21 18:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	68		46 - 120	11/24/21 09:06	11/30/21 18:40	1
Phenol-d5 (Surr)	41		22 - 120	11/24/21 09:06	11/30/21 18:40	1
p-Terphenyl-d14 (Surr)	105		60 - 148	11/24/21 09:06	11/30/21 18:40	1
2,4,6-Tribromophenol (Surr)	77		41 - 120	11/24/21 09:06	11/30/21 18:40	1
2-Fluorobiphenyl (Surr)	84		48 - 120	11/24/21 09:06	11/30/21 18:40	1
2-Fluorophenol (Surr)	53		35 - 120	11/24/21 09:06	11/30/21 18:40	1

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: LCS 480-606423/2-A

Matrix: Water

Analysis Batch: 607022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 606423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	28.7		ug/L		90	59 - 120
bis (2-chloroisopropyl) ether	32.0	21.2		ug/L		66	21 - 136
2,4,5-Trichlorophenol	32.0	31.5		ug/L		98	65 - 126
2,4,6-Trichlorophenol	32.0	29.9		ug/L		93	64 - 120
2,4-Dichlorophenol	32.0	30.5		ug/L		95	63 - 120
2,4-Dimethylphenol	32.0	30.0		ug/L		94	47 - 120
2,4-Dinitrophenol	64.0	48.7		ug/L		76	31 - 137
2,4-Dinitrotoluene	32.0	33.4		ug/L		104	69 - 120
2,6-Dinitrotoluene	32.0	32.4		ug/L		101	68 - 120
2-Chloronaphthalene	32.0	29.7		ug/L		93	58 - 120
2-Chlorophenol	32.0	24.5		ug/L		77	48 - 120
2-Methylphenol	32.0	25.0		ug/L		78	39 - 120
2-Methylnaphthalene	32.0	27.2		ug/L		85	59 - 120
2-Nitroaniline	32.0	28.6		ug/L		89	54 - 127
2-Nitrophenol	32.0	28.8		ug/L		90	52 - 125
3,3'-Dichlorobenzidine	64.0	58.5		ug/L		91	49 - 135
3-Nitroaniline	32.0	27.0		ug/L		84	51 - 120
4,6-Dinitro-2-methylphenol	64.0	58.7		ug/L		92	46 - 136
4-Bromophenyl phenyl ether	32.0	33.5		ug/L		105	65 - 120
4-Chloro-3-methylphenol	32.0	31.6		ug/L		99	61 - 123
4-Chloroaniline	32.0	26.5		ug/L		83	30 - 120
4-Chlorophenyl phenyl ether	32.0	32.0		ug/L		100	62 - 120
4-Methylphenol	32.0	24.3		ug/L		76	29 - 131
4-Nitroaniline	32.0	31.3		ug/L		98	65 - 120
4-Nitrophenol	64.0	43.3		ug/L		68	45 - 120
Acenaphthene	32.0	29.7		ug/L		93	60 - 120
Acenaphthylene	32.0	27.4		ug/L		86	63 - 120
Acetophenone	32.0	27.4		ug/L		86	45 - 120
Anthracene	32.0	31.2		ug/L		98	67 - 120
Atrazine	64.0	68.9		ug/L		108	71 - 130
Benzaldehyde	64.0	53.6		ug/L		84	10 - 140
Benzo[a]anthracene	32.0	32.1		ug/L		100	70 - 121
Benzo[a]pyrene	32.0	28.0		ug/L		87	60 - 123
Benzo[b]fluoranthene	32.0	31.9		ug/L		100	66 - 126
Benzo[g,h,i]perylene	32.0	33.6		ug/L		105	66 - 150
Benzo[k]fluoranthene	32.0	30.8		ug/L		96	65 - 124
Bis(2-chloroethoxy)methane	32.0	29.4		ug/L		92	50 - 128
Bis(2-chloroethyl)ether	32.0	26.7		ug/L		83	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	32.5		ug/L		102	63 - 139
Butyl benzyl phthalate	32.0	31.9		ug/L		100	70 - 129
Caprolactam	64.0	22.9		ug/L		36	22 - 120
Carbazole	32.0	34.0		ug/L		106	66 - 123
Chrysene	32.0	32.2		ug/L		101	69 - 120
Dibenz(a,h)anthracene	32.0	34.2		ug/L		107	65 - 135
Di-n-butyl phthalate	32.0	33.3		ug/L		104	69 - 131
Di-n-octyl phthalate	32.0	31.5		ug/L		98	63 - 140
Dibenzofuran	32.0	30.1		ug/L		94	66 - 120
Diethyl phthalate	32.0	33.7		ug/L		105	59 - 127

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: LCS 480-606423/2-A

Matrix: Water

Analysis Batch: 607022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 606423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Dimethyl phthalate	32.0	33.5		ug/L		105	68 - 120
Fluoranthene	32.0	32.7		ug/L		102	69 - 126
Fluorene	32.0	31.9		ug/L		100	66 - 120
Hexachlorobenzene	32.0	34.7		ug/L		108	61 - 120
Hexachlorobutadiene	32.0	23.3		ug/L		73	35 - 120
Hexachlorocyclopentadiene	32.0	14.0		ug/L		44	31 - 120
Hexachloroethane	32.0	20.2		ug/L		63	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	33.1		ug/L		104	69 - 146
Isophorone	32.0	28.0		ug/L		87	55 - 120
N-Nitrosodi-n-propylamine	32.0	28.2		ug/L		88	32 - 140
N-Nitrosodiphenylamine	32.0	32.0		ug/L		100	61 - 120
Naphthalene	32.0	26.6		ug/L		83	57 - 120
Nitrobenzene	32.0	25.6		ug/L		80	53 - 123
Pentachlorophenol	64.0	37.1		ug/L		58	29 - 136
Phenanthrene	32.0	31.1		ug/L		97	68 - 120
Phenol	32.0	16.4		ug/L		51	17 - 120
Pyrene	32.0	31.5		ug/L		98	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	76		46 - 120
Phenol-d5 (Surr)	44		22 - 120
p-Terphenyl-d14 (Surr)	104		60 - 148
2,4,6-Tribromophenol (Surr)	114		41 - 120
2-Fluorobiphenyl (Surr)	93		48 - 120
2-Fluorophenol (Surr)	58		35 - 120

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

Lab Sample ID: 480-192275-4 MS

Matrix: Water

Analysis Batch: 607022

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 606423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Biphenyl - RE	ND	H	32.0	32.0	H	ug/L		100	57 - 120
bis (2-chloroisopropyl) ether - RE	ND	H	32.0	25.9	H	ug/L		81	28 - 121
2,4,5-Trichlorophenol - RE	ND	H	32.0	35.3	H	ug/L		110	65 - 126
2,4,6-Trichlorophenol - RE	ND	H	32.0	34.0	H	ug/L		106	64 - 120
2,4-Dichlorophenol - RE	ND	H	32.0	34.4	H	ug/L		108	48 - 132
2,4-Dimethylphenol - RE	ND	H	32.0	35.7	H	ug/L		112	39 - 130
2,4-Dinitrophenol - RE	ND	H	64.0	57.9	H	ug/L		90	21 - 150
2,4-Dinitrotoluene - RE	ND	H	32.0	35.7	H	ug/L		111	54 - 138
2,6-Dinitrotoluene - RE	ND	H	32.0	37.1	H	ug/L		116	17 - 150
2-Chloronaphthalene - RE	ND	H	32.0	34.2	H	ug/L		107	52 - 124
2-Chlorophenol - RE	ND	H	32.0	29.8	H	ug/L		93	48 - 120
2-Methylphenol - RE	ND	H	32.0	29.1	H	ug/L		91	46 - 120
2-Methylnaphthalene - RE	ND	H	32.0	31.3	H	ug/L		98	34 - 140
2-Nitroaniline - RE	ND	H	32.0	32.0	H	ug/L		100	44 - 136
2-Nitrophenol - RE	ND	H	32.0	33.8	H	ug/L		106	38 - 141
3,3'-Dichlorobenzidine - RE	ND	H	64.0	63.8	H	ug/L		100	10 - 150

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: 480-192275-4 MS

Matrix: Water

Analysis Batch: 607022

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 606423

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Added	Result						Qualifier
3-Nitroaniline - RE	ND	H	32.0	31.2	H	ug/L		98		32 - 150
4,6-Dinitro-2-methylphenol - RE	ND	H	64.0	66.2	H	ug/L		103		38 - 150
4-Bromophenyl phenyl ether - RE	ND	H	32.0	37.4	H	ug/L		117		63 - 126
4-Chloro-3-methylphenol - RE	ND	H	32.0	35.3	H	ug/L		110		64 - 127
4-Chloroaniline - RE	ND	H	32.0	34.3	H	ug/L		107		16 - 124
4-Chlorophenyl phenyl ether - RE	ND	H	32.0	35.2	H	ug/L		110		61 - 120
4-Methylphenol - RE	ND	H	32.0	28.1	H	ug/L		88		36 - 120
4-Nitroaniline - RE	ND	H	32.0	33.3	H	ug/L		104		32 - 150
4-Nitrophenol - RE	ND	H	64.0	45.8	H	ug/L		72		23 - 132
Acenaphthene - RE	ND	H	32.0	33.0	H	ug/L		103		48 - 120
Acenaphthylene - RE	ND	H	32.0	31.7	H	ug/L		99		63 - 120
Acetophenone - RE	ND	H	32.0	33.1	H	ug/L		103		53 - 120
Anthracene - RE	ND	H	32.0	34.6	H	ug/L		108		65 - 122
Atrazine - RE	ND	H	64.0	73.4	H	ug/L		115		50 - 150
Benzaldehyde - RE	ND	H	64.0	65.2	H	ug/L		102		10 - 150
Benzo[a]anthracene - RE	ND	H	32.0	27.5	H	ug/L		86		43 - 124
Benzo[a]pyrene - RE	ND	H	32.0	21.1	H	ug/L		66		23 - 125
Benzo[b]fluoranthene - RE	ND	H	32.0	24.5	H	ug/L		77		27 - 127
Benzo[g,h,i]perylene - RE	ND	H	32.0	23.8	H	ug/L		74		16 - 147
Benzo[k]fluoranthene - RE	ND	H	32.0	23.6	H	ug/L		74		20 - 124
Bis(2-chloroethoxy)methane - RE	ND	H	32.0	34.1	H	ug/L		107		44 - 128
Bis(2-chloroethyl)ether - RE	ND	H	32.0	32.1	H	ug/L		100		45 - 120
Bis(2-ethylhexyl) phthalate - RE	ND	H	32.0	23.4	H	ug/L		73		16 - 150
Butyl benzyl phthalate - RE	ND	H	32.0	32.6	H	ug/L		102		51 - 140
Caprolactam - RE	ND	H	64.0	23.9	H	ug/L		37		10 - 120
Carbazole - RE	ND	H	32.0	36.2	H	ug/L		113		16 - 148
Chrysene - RE	ND	H	32.0	27.0	H	ug/L		84		44 - 122
Dibenz(a,h)anthracene - RE	ND	H	32.0	24.2	H	ug/L		76		16 - 139
Di-n-butyl phthalate - RE	ND	H	32.0	34.7	H	ug/L		108		65 - 129
Di-n-octyl phthalate - RE	ND	H	32.0	23.3	H	ug/L		73		16 - 150
Dibenzofuran - RE	ND	H	32.0	34.1	H	ug/L		106		60 - 120
Diethyl phthalate - RE	ND	H	32.0	36.1	H	ug/L		113		53 - 133
Dimethyl phthalate - RE	ND	H	32.0	36.9	H	ug/L		115		59 - 123
Fluoranthene - RE	ND	H	32.0	34.6	H	ug/L		108		63 - 129
Fluorene - RE	ND	H	32.0	35.1	H	ug/L		110		62 - 120
Hexachlorobenzene - RE	ND	H	32.0	36.3	H	ug/L		113		57 - 121
Hexachlorobutadiene - RE	ND	H	32.0	30.6	H	ug/L		96		37 - 120
Hexachlorocyclopentadiene - RE	ND	H	32.0	17.0	H	ug/L		53		21 - 120
Hexachloroethane - RE	ND	H	32.0	26.8	H	ug/L		84		16 - 130
Indeno[1,2,3-cd]pyrene - RE	ND	H	32.0	23.4	H	ug/L		73		16 - 140
Isophorone - RE	ND	H	32.0	32.7	H	ug/L		102		48 - 133
N-Nitrosodi-n-propylamine - RE	ND	H	32.0	32.6	H	ug/L		102		49 - 120
N-Nitrosodiphenylamine - RE	ND	H	32.0	35.9	H	ug/L		112		39 - 138
Naphthalene - RE	ND	H	32.0	31.4	H	ug/L		98		45 - 120
Nitrobenzene - RE	ND	H	32.0	31.1	H	ug/L		97		45 - 123
Pentachlorophenol - RE	ND	H	64.0	41.2	H	ug/L		64		23 - 149
Phenanthrene - RE	ND	H	32.0	34.7	H	ug/L		108		65 - 122
Phenol - RE	ND	H	32.0	18.0	H	ug/L		56		16 - 120
Pyrene - RE	ND	H	32.0	33.2	H	ug/L		104		58 - 128

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr) - RE	88		46 - 120
Phenol-d5 (Surr) - RE	52		22 - 120
p-Terphenyl-d14 (Surr) - RE	86		60 - 148
2,4,6-Tribromophenol (Surr) - RE	123	S1+	41 - 120
2-Fluorobiphenyl (Surr) - RE	105		48 - 120
2-Fluorophenol (Surr) - RE	71		35 - 120

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 607022

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 606423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
									Limits	RPD	Limit	
Biphenyl - RE	ND	H	32.0	30.9	H	ug/L		97	57 - 120	3	20	
bis (2-chloroisopropyl) ether - RE	ND	H	32.0	23.9	H	ug/L		75	28 - 121	8	24	
2,4,5-Trichlorophenol - RE	ND	H	32.0	32.6	H	ug/L		102	65 - 126	8	18	
2,4,6-Trichlorophenol - RE	ND	H	32.0	31.1	H	ug/L		97	64 - 120	9	19	
2,4-Dichlorophenol - RE	ND	H	32.0	32.1	H	ug/L		100	48 - 132	7	19	
2,4-Dimethylphenol - RE	ND	H	32.0	33.1	H	ug/L		103	39 - 130	8	42	
2,4-Dinitrophenol - RE	ND	H	64.0	50.5	H	ug/L		79	21 - 150	14	22	
2,4-Dinitrotoluene - RE	ND	H	32.0	33.4	H	ug/L		104	54 - 138	6	20	
2,6-Dinitrotoluene - RE	ND	H	32.0	36.0	H	ug/L		113	17 - 150	3	15	
2-Chloronaphthalene - RE	ND	H	32.0	31.6	H	ug/L		99	52 - 124	8	21	
2-Chlorophenol - RE	ND	H	32.0	28.2	H	ug/L		88	48 - 120	5	25	
2-Methylphenol - RE	ND	H	32.0	26.8	H	ug/L		84	46 - 120	8	27	
2-Methylnaphthalene - RE	ND	H	32.0	28.1	H	ug/L		88	34 - 140	11	21	
2-Nitroaniline - RE	ND	H	32.0	30.6	H	ug/L		95	44 - 136	5	15	
2-Nitrophenol - RE	ND	H	32.0	31.0	H	ug/L		97	38 - 141	9	18	
3,3'-Dichlorobenzidine - RE	ND	H	64.0	55.5	H	ug/L		87	10 - 150	14	25	
3-Nitroaniline - RE	ND	H	32.0	30.2	H	ug/L		94	32 - 150	3	19	
4,6-Dinitro-2-methylphenol - RE	ND	H	64.0	62.3	H	ug/L		97	38 - 150	6	15	
4-Bromophenyl phenyl ether - RE	ND	H	32.0	34.3	H	ug/L		107	63 - 126	9	15	
4-Chloro-3-methylphenol - RE	ND	H	32.0	32.6	H	ug/L		102	64 - 127	8	27	
4-Chloroaniline - RE	ND	H	32.0	29.8	H	ug/L		93	16 - 124	14	22	
4-Chlorophenyl phenyl ether - RE	ND	H	32.0	33.3	H	ug/L		104	61 - 120	6	16	
4-Methylphenol - RE	ND	H	32.0	26.2	H	ug/L		82	36 - 120	7	24	
4-Nitroaniline - RE	ND	H	32.0	32.8	H	ug/L		102	32 - 150	2	24	
4-Nitrophenol - RE	ND	H	64.0	44.5	H	ug/L		70	23 - 132	3	48	
Acenaphthene - RE	ND	H	32.0	32.0	H	ug/L		100	48 - 120	3	24	
Acenaphthylene - RE	ND	H	32.0	30.2	H	ug/L		94	63 - 120	5	18	
Acetophenone - RE	ND	H	32.0	31.4	H	ug/L		98	53 - 120	5	20	
Anthracene - RE	ND	H	32.0	32.2	H	ug/L		101	65 - 122	7	15	
Atrazine - RE	ND	H	64.0	70.9	H	ug/L		111	50 - 150	3	20	
Benzaldehyde - RE	ND	H	64.0	62.0	H	ug/L		97	10 - 150	5	20	
Benzo[a]anthracene - RE	ND	H	32.0	25.0	H	ug/L		78	43 - 124	9	15	
Benzo[a]pyrene - RE	ND	H	32.0	19.5	H	ug/L		61	23 - 125	8	15	
Benzo[b]fluoranthene - RE	ND	H	32.0	22.3	H	ug/L		70	27 - 127	10	15	
Benzo[g,h,i]perylene - RE	ND	H	32.0	22.1	H	ug/L		69	16 - 147	8	15	
Benzo[k]fluoranthene - RE	ND	H	32.0	21.3	H	ug/L		67	20 - 124	10	22	
Bis(2-chloroethoxy)methane - RE	ND	H	32.0	31.3	H	ug/L		98	44 - 128	9	17	
Bis(2-chloroethyl)ether - RE	ND	H	32.0	29.9	H	ug/L		93	45 - 120	7	21	
Bis(2-ethylhexyl) phthalate - RE	ND	H	32.0	21.3	H	ug/L		67	16 - 150	9	15	

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QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

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

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 607022

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 606423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits		RPD	
				MSD Result	MSD Qualifier				RPD	Limit		
Butyl benzyl phthalate - RE	ND	H	32.0	29.9	H	ug/L		93	51 - 140	9	16	
Caprolactam - RE	ND	H	64.0	22.8	H	ug/L		36	10 - 120	4	20	
Carbazole - RE	ND	H	32.0	33.7	H	ug/L		105	16 - 148	7	20	
Chrysene - RE	ND	H	32.0	24.2	H	ug/L		76	44 - 122	11	15	
Dibenz(a,h)anthracene - RE	ND	H	32.0	22.2	H	ug/L		69	16 - 139	9	15	
Di-n-butyl phthalate - RE	ND	H	32.0	32.6	H	ug/L		102	65 - 129	6	15	
Di-n-octyl phthalate - RE	ND	H	32.0	21.2	H	ug/L		66	16 - 150	10	16	
Dibenzofuran - RE	ND	H	32.0	31.6	H	ug/L		99	60 - 120	7	15	
Diethyl phthalate - RE	ND	H	32.0	35.3	H	ug/L		110	53 - 133	2	15	
Dimethyl phthalate - RE	ND	H	32.0	36.2	H	ug/L		113	59 - 123	2	15	
Fluoranthene - RE	ND	H	32.0	32.9	H	ug/L		103	63 - 129	5	15	
Fluorene - RE	ND	H	32.0	33.3	H	ug/L		104	62 - 120	5	15	
Hexachlorobenzene - RE	ND	H	32.0	33.2	H	ug/L		104	57 - 121	9	15	
Hexachlorobutadiene - RE	ND	H	32.0	27.2	H	ug/L		85	37 - 120	12	44	
Hexachlorocyclopentadiene - RE	ND	H	32.0	15.8	H	ug/L		49	21 - 120	7	49	
Hexachloroethane - RE	ND	H	32.0	24.4	H	ug/L		76	16 - 130	9	46	
Indeno[1,2,3-cd]pyrene - RE	ND	H	32.0	21.1	H	ug/L		66	16 - 140	10	15	
Isophorone - RE	ND	H	32.0	30.4	H	ug/L		95	48 - 133	7	17	
N-Nitrosodi-n-propylamine - RE	ND	H	32.0	31.7	H	ug/L		99	49 - 120	3	31	
N-Nitrosodiphenylamine - RE	ND	H	32.0	33.3	H	ug/L		104	39 - 138	8	15	
Naphthalene - RE	ND	H	32.0	29.0	H	ug/L		91	45 - 120	8	29	
Nitrobenzene - RE	ND	H	32.0	28.4	H	ug/L		89	45 - 123	9	24	
Pentachlorophenol - RE	ND	H	64.0	37.8	H	ug/L		59	23 - 149	8	37	
Phenanthrene - RE	ND	H	32.0	32.0	H	ug/L		100	65 - 122	8	15	
Phenol - RE	ND	H	32.0	15.5	H	ug/L		49	16 - 120	14	34	
Pyrene - RE	ND	H	32.0	30.8	H	ug/L		96	58 - 128	8	19	
				MSD	MSD							
Surrogate				%Recovery	Qualifier					Limits		
Nitrobenzene-d5 (Surr) - RE				83						46 - 120		
Phenol-d5 (Surr) - RE				51						22 - 120		
p-Terphenyl-d14 (Surr) - RE				77						60 - 148		
2,4,6-Tribromophenol (Surr) - RE				116						41 - 120		
2-Fluorobiphenyl (Surr) - RE				101						48 - 120		
2-Fluorophenol (Surr) - RE				67						35 - 120		

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-605257/1-A

Matrix: Water

Analysis Batch: 605752

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 605257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		11/17/21 09:41	11/18/21 21:54	1
Arsenic	ND		0.015	0.0056	mg/L		11/17/21 09:41	11/18/21 21:54	1
Barium	ND		0.0020	0.00070	mg/L		11/17/21 09:41	11/18/21 21:54	1
Beryllium	ND		0.0020	0.00030	mg/L		11/17/21 09:41	11/18/21 21:54	1
Cadmium	ND		0.0020	0.00050	mg/L		11/17/21 09:41	11/18/21 21:54	1

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QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-605257/1-A
Matrix: Water
Analysis Batch: 605752

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 21:54	1
Chromium	ND		0.0040	0.0010	mg/L		11/17/21 09:41	11/18/21 21:54	1
Cobalt	ND		0.0040	0.00063	mg/L		11/17/21 09:41	11/18/21 21:54	1
Copper	ND		0.010	0.0016	mg/L		11/17/21 09:41	11/18/21 21:54	1
Iron	ND		0.050	0.019	mg/L		11/17/21 09:41	11/18/21 21:54	1
Lead	ND		0.010	0.0030	mg/L		11/17/21 09:41	11/18/21 21:54	1
Magnesium	ND		0.20	0.043	mg/L		11/17/21 09:41	11/18/21 21:54	1
Manganese	ND		0.0030	0.00040	mg/L		11/17/21 09:41	11/18/21 21:54	1
Nickel	ND		0.010	0.0013	mg/L		11/17/21 09:41	11/18/21 21:54	1
Potassium	ND		0.50	0.10	mg/L		11/17/21 09:41	11/18/21 21:54	1
Selenium	ND		0.025	0.0087	mg/L		11/17/21 09:41	11/18/21 21:54	1
Silver	ND		0.0060	0.0017	mg/L		11/17/21 09:41	11/18/21 21:54	1
Sodium	ND		1.0	0.32	mg/L		11/17/21 09:41	11/18/21 21:54	1
Thallium	ND		0.020	0.010	mg/L		11/17/21 09:41	11/18/21 21:54	1
Vanadium	ND		0.0050	0.0015	mg/L		11/17/21 09:41	11/18/21 21:54	1
Zinc	ND		0.010	0.0015	mg/L		11/17/21 09:41	11/18/21 21:54	1

Lab Sample ID: LCS 480-605257/2-A
Matrix: Water
Analysis Batch: 605752

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	9.63		mg/L		96	80 - 120
Antimony	0.200	0.197		mg/L		98	80 - 120
Arsenic	0.200	0.192		mg/L		96	80 - 120
Barium	0.200	0.210		mg/L		105	80 - 120
Beryllium	0.200	0.205		mg/L		103	80 - 120
Cadmium	0.200	0.188		mg/L		94	80 - 120
Calcium	10.0	9.81		mg/L		98	80 - 120
Chromium	0.200	0.193		mg/L		96	80 - 120
Cobalt	0.200	0.188		mg/L		94	80 - 120
Copper	0.200	0.190		mg/L		95	80 - 120
Iron	10.0	10.10		mg/L		101	80 - 120
Lead	0.200	0.188		mg/L		94	80 - 120
Magnesium	10.0	9.90		mg/L		99	80 - 120
Manganese	0.200	0.211		mg/L		106	80 - 120
Nickel	0.200	0.190		mg/L		95	80 - 120
Potassium	10.0	9.73		mg/L		97	80 - 120
Selenium	0.200	0.180		mg/L		90	80 - 120
Silver	0.0500	0.0463		mg/L		93	80 - 120
Sodium	10.0	9.51		mg/L		95	80 - 120
Thallium	0.200	0.200		mg/L		100	80 - 120
Vanadium	0.200	0.194		mg/L		97	80 - 120
Zinc	0.200	0.193		mg/L		97	80 - 120

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-192275-4 MS

Matrix: Water

Analysis Batch: 605752

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	ND		10.0	9.80		mg/L		98	75 - 125
Antimony	ND		0.200	0.201		mg/L		100	75 - 125
Arsenic	ND		0.200	0.207		mg/L		103	75 - 125
Barium	0.13		0.200	0.329		mg/L		100	75 - 125
Beryllium	ND		0.200	0.209		mg/L		104	75 - 125
Cadmium	ND		0.200	0.193		mg/L		97	75 - 125
Calcium	145		10.0	157.5	4	mg/L		126	75 - 125
Chromium	ND		0.200	0.194		mg/L		97	75 - 125
Cobalt	ND		0.200	0.196		mg/L		98	75 - 125
Copper	ND		0.200	0.195		mg/L		97	75 - 125
Iron	0.37		10.0	10.45		mg/L		101	75 - 125
Lead	ND		0.200	0.195		mg/L		98	75 - 125
Magnesium	46.0		10.0	57.35	4	mg/L		113	75 - 125
Manganese	0.027		0.200	0.231		mg/L		102	75 - 125
Nickel	ND		0.200	0.199		mg/L		99	75 - 125
Potassium	2.7		10.0	12.96		mg/L		103	75 - 125
Selenium	ND		0.200	0.186		mg/L		93	75 - 125
Silver	ND		0.0500	0.0498		mg/L		100	75 - 125
Sodium	140		10.0	151.3	4	mg/L		115	75 - 125
Thallium	ND		0.200	0.204		mg/L		102	75 - 125
Vanadium	ND		0.200	0.199		mg/L		100	75 - 125
Zinc	ND		0.200	0.200		mg/L		100	75 - 125

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 605752

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	ND		10.0	9.77		mg/L		98	75 - 125	0	20
Antimony	ND		0.200	0.201		mg/L		101	75 - 125	0	20
Arsenic	ND		0.200	0.204		mg/L		102	75 - 125	1	20
Barium	0.13		0.200	0.329		mg/L		100	75 - 125	0	20
Beryllium	ND		0.200	0.209		mg/L		104	75 - 125	0	20
Cadmium	ND		0.200	0.193		mg/L		97	75 - 125	0	20
Calcium	145		10.0	157.7	4	mg/L		129	75 - 125	0	20
Chromium	ND		0.200	0.194		mg/L		97	75 - 125	0	20
Cobalt	ND		0.200	0.194		mg/L		97	75 - 125	1	20
Copper	ND		0.200	0.194		mg/L		97	75 - 125	0	20
Iron	0.37		10.0	10.38		mg/L		100	75 - 125	1	20
Lead	ND		0.200	0.194		mg/L		97	75 - 125	0	20
Magnesium	46.0		10.0	56.83	4	mg/L		108	75 - 125	1	20
Manganese	0.027		0.200	0.228		mg/L		101	75 - 125	1	20
Nickel	ND		0.200	0.197		mg/L		98	75 - 125	1	20
Potassium	2.7		10.0	12.94		mg/L		103	75 - 125	0	20
Selenium	ND		0.200	0.183		mg/L		92	75 - 125	1	20
Silver	ND		0.0500	0.0492		mg/L		98	75 - 125	1	20
Sodium	140		10.0	153.9	4	mg/L		141	75 - 125	2	20
Thallium	ND		0.200	0.203		mg/L		101	75 - 125	1	20
Vanadium	ND		0.200	0.198		mg/L		99	75 - 125	0	20

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QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-192275-4 MSD
Matrix: Water
Analysis Batch: 605752

Client Sample ID: 828021-GW-04
Prep Type: Total/NA
Prep Batch: 605257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	ND		0.200	0.194		mg/L		97	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-605378/1-A
Matrix: Water
Analysis Batch: 605677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605378

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 12:40	1

Lab Sample ID: LCS 480-605378/2-A
Matrix: Water
Analysis Batch: 605677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605378

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00695		mg/L		104	80 - 120

Lab Sample ID: MB 480-605413/1-A
Matrix: Water
Analysis Batch: 605677

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		11/18/21 10:55	11/18/21 13:19	1

Lab Sample ID: LCS 480-605413/2-A
Matrix: Water
Analysis Batch: 605677

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00702		mg/L		105	80 - 120

Lab Sample ID: LCSD 480-605413/3-A
Matrix: Water
Analysis Batch: 605677

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 605413

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00685		mg/L		103	80 - 120	2	20

Lab Sample ID: 480-192275-4 MS
Matrix: Water
Analysis Batch: 605677

Client Sample ID: 828021-GW-04
Prep Type: Total/NA
Prep Batch: 605413

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00672		mg/L		101	80 - 120

QC Sample Results

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-192275-4 MSD

Matrix: Water

Analysis Batch: 605677

Client Sample ID: 828021-GW-04

Prep Type: Total/NA

Prep Batch: 605413

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00678		mg/L		102	80 - 120	1	20

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
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.
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: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

GC/MS VOA

Analysis Batch: 605537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	8260C	
480-192275-2	828021-GW-11	Total/NA	Water	8260C	
480-192275-3	828021-DUP-11112021	Total/NA	Water	8260C	
480-192275-4	828021-GW-04	Total/NA	Water	8260C	
480-192275-5	828021-GW-10	Total/NA	Water	8260C	
480-192275-6	828021-GW-2	Total/NA	Water	8260C	
480-192275-7	8260 TRIP BLANK	Total/NA	Water	8260C	
MB 480-605537/6	Method Blank	Total/NA	Water	8260C	
LCS 480-605537/4	Lab Control Sample	Total/NA	Water	8260C	
480-192275-4 MS	828021-GW-04	Total/NA	Water	8260C	
480-192275-4 MSD	828021-GW-04	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 605089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	3510C	
480-192275-2	828021-GW-11	Total/NA	Water	3510C	
480-192275-3	828021-DUP-11112021	Total/NA	Water	3510C	
480-192275-4	828021-GW-04	Total/NA	Water	3510C	
480-192275-5	828021-GW-10	Total/NA	Water	3510C	
480-192275-6	828021-GW-2	Total/NA	Water	3510C	
MB 480-605089/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-605089/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-192275-4 MS	828021-GW-04	Total/NA	Water	3510C	
480-192275-4 MSD	828021-GW-04	Total/NA	Water	3510C	

Analysis Batch: 606080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	8270D	605089
480-192275-2	828021-GW-11	Total/NA	Water	8270D	605089
480-192275-3	828021-DUP-11112021	Total/NA	Water	8270D	605089
480-192275-4	828021-GW-04	Total/NA	Water	8270D	605089
480-192275-5	828021-GW-10	Total/NA	Water	8270D	605089
480-192275-6	828021-GW-2	Total/NA	Water	8270D	605089
MB 480-605089/1-A	Method Blank	Total/NA	Water	8270D	605089
LCS 480-605089/2-A	Lab Control Sample	Total/NA	Water	8270D	605089
480-192275-4 MS	828021-GW-04	Total/NA	Water	8270D	605089
480-192275-4 MSD	828021-GW-04	Total/NA	Water	8270D	605089

Prep Batch: 606423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1 - RE	828021-GW-14	Total/NA	Water	3510C	
480-192275-2 - RE	828021-GW-11	Total/NA	Water	3510C	
480-192275-3 - RE	828021-DUP-11112021	Total/NA	Water	3510C	
480-192275-4 - RE	828021-GW-04	Total/NA	Water	3510C	
480-192275-5 - RE	828021-GW-10	Total/NA	Water	3510C	
480-192275-6 - RE	828021-GW-2	Total/NA	Water	3510C	
MB 480-606423/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-606423/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-192275-4 MS - RE	828021-GW-04	Total/NA	Water	3510C	

QC Association Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

GC/MS Semi VOA (Continued)

Prep Batch: 606423 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-4 MSD - RE	828021-GW-04	Total/NA	Water	3510C	

Analysis Batch: 607022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1 - RE	828021-GW-14	Total/NA	Water	8270D	606423
480-192275-2 - RE	828021-GW-11	Total/NA	Water	8270D	606423
480-192275-3 - RE	828021-DUP-11112021	Total/NA	Water	8270D	606423
480-192275-4 - RE	828021-GW-04	Total/NA	Water	8270D	606423
480-192275-5 - RE	828021-GW-10	Total/NA	Water	8270D	606423
480-192275-6 - RE	828021-GW-2	Total/NA	Water	8270D	606423
MB 480-606423/1-A	Method Blank	Total/NA	Water	8270D	606423
LCS 480-606423/2-A	Lab Control Sample	Total/NA	Water	8270D	606423
480-192275-4 MS - RE	828021-GW-04	Total/NA	Water	8270D	606423
480-192275-4 MSD - RE	828021-GW-04	Total/NA	Water	8270D	606423

Metals

Prep Batch: 605257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	3005A	
480-192275-2	828021-GW-11	Total/NA	Water	3005A	
480-192275-3	828021-DUP-11112021	Total/NA	Water	3005A	
480-192275-4	828021-GW-04	Total/NA	Water	3005A	
480-192275-5	828021-GW-10	Total/NA	Water	3005A	
480-192275-6	828021-GW-2	Total/NA	Water	3005A	
MB 480-605257/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-605257/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-192275-4 MS	828021-GW-04	Total/NA	Water	3005A	
480-192275-4 MSD	828021-GW-04	Total/NA	Water	3005A	

Prep Batch: 605378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	7470A	
480-192275-2	828021-GW-11	Total/NA	Water	7470A	
480-192275-3	828021-DUP-11112021	Total/NA	Water	7470A	
MB 480-605378/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-605378/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 605413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-4	828021-GW-04	Total/NA	Water	7470A	
480-192275-5	828021-GW-10	Total/NA	Water	7470A	
480-192275-6	828021-GW-2	Total/NA	Water	7470A	
MB 480-605413/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-605413/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-605413/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
480-192275-4 MS	828021-GW-04	Total/NA	Water	7470A	
480-192275-4 MSD	828021-GW-04	Total/NA	Water	7470A	

QC Association Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Metals

Analysis Batch: 605677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	7470A	605378
480-192275-2	828021-GW-11	Total/NA	Water	7470A	605378
480-192275-3	828021-DUP-11112021	Total/NA	Water	7470A	605378
480-192275-4	828021-GW-04	Total/NA	Water	7470A	605413
480-192275-5	828021-GW-10	Total/NA	Water	7470A	605413
480-192275-6	828021-GW-2	Total/NA	Water	7470A	605413
MB 480-605378/1-A	Method Blank	Total/NA	Water	7470A	605378
MB 480-605413/1-A	Method Blank	Total/NA	Water	7470A	605413
LCS 480-605378/2-A	Lab Control Sample	Total/NA	Water	7470A	605378
LCS 480-605413/2-A	Lab Control Sample	Total/NA	Water	7470A	605413
LCSD 480-605413/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	605413
480-192275-4 MS	828021-GW-04	Total/NA	Water	7470A	605413
480-192275-4 MSD	828021-GW-04	Total/NA	Water	7470A	605413

Analysis Batch: 605752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192275-1	828021-GW-14	Total/NA	Water	6010C	605257
480-192275-2	828021-GW-11	Total/NA	Water	6010C	605257
480-192275-3	828021-DUP-11112021	Total/NA	Water	6010C	605257
480-192275-4	828021-GW-04	Total/NA	Water	6010C	605257
480-192275-5	828021-GW-10	Total/NA	Water	6010C	605257
480-192275-6	828021-GW-2	Total/NA	Water	6010C	605257
MB 480-605257/1-A	Method Blank	Total/NA	Water	6010C	605257
LCS 480-605257/2-A	Lab Control Sample	Total/NA	Water	6010C	605257
480-192275-4 MS	828021-GW-04	Total/NA	Water	6010C	605257
480-192275-4 MSD	828021-GW-04	Total/NA	Water	6010C	605257

Lab Chronicle

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Date Collected: 11/11/21 08:38

Matrix: Water

Date Received: 11/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	605537	11/18/21 15:31	CRL	TAL BUF
Total/NA	Prep	3510C			605089	11/16/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8270D		1	606080	11/23/21 09:38	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		606423	11/24/21 09:06	JMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	607022	11/30/21 20:56	JMM	TAL BUF
Total/NA	Prep	3005A			605257	11/17/21 09:41	ADM	TAL BUF
Total/NA	Analysis	6010C		1	605752	11/18/21 22:25	AMH	TAL BUF
Total/NA	Prep	7470A			605378	11/18/21 10:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605677	11/18/21 13:15	KMP	TAL BUF

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Date Collected: 11/10/21 15:11

Matrix: Water

Date Received: 11/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605537	11/18/21 15:54	CRL	TAL BUF
Total/NA	Prep	3510C			605089	11/16/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8270D		1	606080	11/23/21 10:05	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		606423	11/24/21 09:06	JMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	607022	11/30/21 21:23	JMM	TAL BUF
Total/NA	Prep	3005A			605257	11/17/21 09:41	ADM	TAL BUF
Total/NA	Analysis	6010C		1	605752	11/18/21 22:40	AMH	TAL BUF
Total/NA	Prep	7470A			605378	11/18/21 10:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605677	11/18/21 13:16	KMP	TAL BUF

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	605537	11/18/21 16:16	CRL	TAL BUF
Total/NA	Prep	3510C			605089	11/16/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8270D		1	606080	11/23/21 10:32	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		606423	11/24/21 09:06	JMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	607022	11/30/21 21:50	JMM	TAL BUF
Total/NA	Prep	3005A			605257	11/17/21 09:41	ADM	TAL BUF
Total/NA	Analysis	6010C		1	605752	11/18/21 22:44	AMH	TAL BUF
Total/NA	Prep	7470A			605378	11/18/21 10:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605677	11/18/21 13:17	KMP	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Date Collected: 11/10/21 11:44

Matrix: Water

Date Received: 11/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605537	11/18/21 16:39	CRL	TAL BUF
Total/NA	Prep	3510C			605089	11/16/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8270D		1	606080	11/23/21 09:11	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		606423	11/24/21 09:06	JMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	607022	11/30/21 20:29	JMM	TAL BUF
Total/NA	Prep	3005A			605257	11/17/21 09:41	ADM	TAL BUF
Total/NA	Analysis	6010C		1	605752	11/18/21 22:47	AMH	TAL BUF
Total/NA	Prep	7470A			605413	11/18/21 10:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605677	11/18/21 13:23	KMP	TAL BUF

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Date Collected: 11/10/21 13:28

Matrix: Water

Date Received: 11/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605537	11/18/21 17:03	CRL	TAL BUF
Total/NA	Prep	3510C			605089	11/16/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8270D		1	606080	11/23/21 10:59	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		606423	11/24/21 09:06	JMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	607022	11/30/21 22:17	JMM	TAL BUF
Total/NA	Prep	3005A			605257	11/17/21 09:41	ADM	TAL BUF
Total/NA	Analysis	6010C		1	605752	11/18/21 23:07	AMH	TAL BUF
Total/NA	Prep	7470A			605413	11/18/21 10:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605677	11/18/21 13:30	KMP	TAL BUF

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Date Collected: 11/10/21 14:19

Matrix: Water

Date Received: 11/12/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	605537	11/18/21 17:26	CRL	TAL BUF
Total/NA	Prep	3510C			605089	11/16/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8270D		1	606080	11/23/21 11:26	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		606423	11/24/21 09:06	JMP	TAL BUF
Total/NA	Analysis	8270D	RE	1	607022	11/30/21 22:45	JMM	TAL BUF
Total/NA	Prep	3005A			605257	11/17/21 09:41	ADM	TAL BUF
Total/NA	Analysis	6010C		1	605752	11/18/21 23:10	AMH	TAL BUF
Total/NA	Prep	7470A			605413	11/18/21 10:55	NVK	TAL BUF
Total/NA	Analysis	7470A		1	605677	11/18/21 13:32	KMP	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Client Sample ID: 8260 TRIP BLANK

Lab Sample ID: 480-192275-7

Date Collected: 11/11/21 13:45

Matrix: Water

Date Received: 11/12/21 10:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	8260C		1	605537	11/18/21 17:48	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: SMP C - Golden Road

Job ID: 480-192275-1

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method 8260C

Volatile Organic Compounds (GC/MS)
by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-624 (20) ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
828021-GW-14	480-192275-1	101	103	101	89
828021-GW-11	480-192275-2	100	102	100	86
828021-DUP-1111202 1	480-192275-3	102	101	99	84
828021-GW-04	480-192275-4	101	105	97	81
828021-GW-10	480-192275-5	99	104	99	83
828021-GW-2	480-192275-6	103	103	95	81
8260 TRIP BLANK	480-192275-7	101	103	100	86
	MB 480-605537/6	100	106	98	81
	LCS 480-605537/4	98	105	100	83
828021-GW-04 MS	480-192275-4 MS	101	106	99	84
828021-GW-04 MSD	480-192275-4 MSD	98	101	102	85

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
75-123
77-120
80-120
73-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C0645.D
 Lab ID: LCS 480-605537/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.4	93	73-126	
1,1,2,2-Tetrachloroethane	25.0	27.8	111	76-120	
1,1,2-Trichloroethane	25.0	23.4	93	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.3	85	61-148	
1,1-Dichloroethane	25.0	25.7	103	77-120	
1,1-Dichloroethene	25.0	22.5	90	66-127	
1,2,4-Trichlorobenzene	25.0	21.9	88	79-122	
1,2-Dibromo-3-Chloropropane	25.0	21.0	84	56-134	
1,2-Dichlorobenzene	25.0	24.3	97	80-124	
1,2-Dichloroethane	25.0	24.9	100	75-120	
1,2-Dichloropropane	25.0	25.9	103	76-120	
1,3-Dichlorobenzene	25.0	25.3	101	77-120	
1,4-Dichlorobenzene	25.0	24.0	96	80-120	
2-Butanone (MEK)	125	116	93	57-140	
2-Hexanone	125	107	86	65-127	
4-Methyl-2-pentanone (MIBK)	125	120	96	71-125	
Acetone	125	165	132	56-142	
Benzene	25.0	24.2	97	71-124	
Bromodichloromethane	25.0	24.9	100	80-122	
Bromoform	25.0	20.4	81	61-132	
Bromomethane	25.0	23.8	95	55-144	
Carbon disulfide	25.0	23.6	94	59-134	
Carbon tetrachloride	25.0	23.1	92	72-134	
Chlorobenzene	25.0	23.2	93	80-120	
Dibromochloromethane	25.0	23.1	92	75-125	
Chloroethane	25.0	27.2	109	69-136	
Chloroform	25.0	23.5	94	73-127	
Chloromethane	25.0	30.8	123	68-124	
cis-1,2-Dichloroethene	25.0	23.8	95	74-124	
cis-1,3-Dichloropropene	25.0	23.5	94	74-124	
Cyclohexane	25.0	23.9	96	59-135	
Dichlorodifluoromethane	25.0	25.4	102	59-135	
Ethylbenzene	25.0	23.3	93	77-123	
1,2-Dibromoethane	25.0	22.0	88	77-120	
Isopropylbenzene	25.0	28.5	114	77-122	
Methyl acetate	50.0	46.3	93	74-133	
Methyl tert-butyl ether	25.0	24.5	98	77-120	
Methylcyclohexane	25.0	21.0	84	68-134	
Methylene Chloride	25.0	25.0	100	75-124	
Styrene	25.0	22.2	89	80-120	
Tetrachloroethene	25.0	20.4	82	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: C0645.D

Lab ID: LCS 480-605537/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toluene	25.0	24.4	98	80-122	
trans-1,2-Dichloroethene	25.0	23.6	94	73-127	
trans-1,3-Dichloropropene	25.0	24.7	99	80-120	
Trichloroethene	25.0	23.4	94	74-123	
Trichlorofluoromethane	25.0	24.7	99	62-150	
Vinyl chloride	25.0	27.2	109	65-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: C0670.D

Lab ID: 480-192275-4 MS

Client ID: 828021-GW-04 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	ND	28.1	112	73-126	
1,1,2,2-Tetrachloroethane	25.0	ND	28.8	115	76-120	
1,1,2-Trichloroethane	25.0	ND	23.7	95	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	24.8	99	61-148	
1,1-Dichloroethane	25.0	ND	29.6	119	77-120	
1,1-Dichloroethene	25.0	ND	26.9	108	66-127	
1,2,4-Trichlorobenzene	25.0	ND	23.2	93	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	23.2	93	56-134	
1,2-Dichlorobenzene	25.0	ND	25.2	101	80-124	
1,2-Dichloroethane	25.0	ND	26.5	106	75-120	
1,2-Dichloropropane	25.0	ND	27.4	110	76-120	
1,3-Dichlorobenzene	25.0	ND	25.9	104	77-120	
1,4-Dichlorobenzene	25.0	ND	24.6	99	78-124	
2-Butanone (MEK)	125	ND	113	90	57-140	
2-Hexanone	125	ND	109	87	65-127	
4-Methyl-2-pentanone (MIBK)	125	ND	129	103	71-125	
Acetone	125	ND	148	118	56-142	
Benzene	25.0	ND	26.9	108	71-124	
Bromodichloromethane	25.0	ND	25.9	103	80-122	
Bromoform	25.0	ND	17.7	71	61-132	
Bromomethane	25.0	ND	29.4	117	55-144	
Carbon disulfide	25.0	ND	27.1	108	59-134	
Carbon tetrachloride	25.0	ND	27.7	111	72-134	
Chlorobenzene	25.0	ND	24.7	99	80-120	
Dibromochloromethane	25.0	ND	22.7	91	75-125	
Chloroethane	25.0	ND	33.5	134	69-136	
Chloroform	25.0	ND	26.1	105	73-127	
Chloromethane	25.0	ND	31.3	125	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	27.5	110	74-124	
cis-1,3-Dichloropropene	25.0	ND	23.0	92	74-124	
Cyclohexane	25.0	ND	30.1	120	59-135	
Dichlorodifluoromethane	25.0	ND	33.1	132	59-135	
Ethylbenzene	25.0	ND	25.7	103	77-123	
1,2-Dibromoethane	25.0	ND	22.8	91	77-120	
Isopropylbenzene	25.0	ND	31.4	126	77-122	F1
Methyl acetate	50.0	ND	48.2	96	74-133	
Methyl tert-butyl ether	25.0	ND	26.6	106	77-120	
Methylcyclohexane	25.0	ND	25.0	100	68-134	
Methylene Chloride	25.0	ND	28.5	114	75-124	
Styrene	25.0	ND	23.8	95	80-120	
Tetrachloroethene	25.0	ND	22.4	90	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: C0670.D

Lab ID: 480-192275-4 MS Client ID: 828021-GW-04 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	26.3	105	80-122	
trans-1,2-Dichloroethene	25.0	ND	27.3	109	73-127	
trans-1,3-Dichloropropene	25.0	ND	23.2	93	80-120	
Trichloroethene	25.0	ND	25.6	103	74-123	
Trichlorofluoromethane	25.0	ND	32.8	131	62-150	
Vinyl chloride	25.0	ND	37.0	148	65-133	F1

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: C0671.D

Lab ID: 480-192275-4 MSD

Client ID: 828021-GW-04 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.0	28.7	115	2	15	73-126	
1,1,2,2-Tetrachloroethane	25.0	32.6	130	12	15	76-120	F1
1,1,2-Trichloroethane	25.0	26.0	104	10	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.6	102	3	20	61-148	
1,1-Dichloroethane	25.0	30.1	121	2	20	77-120	F1
1,1-Dichloroethene	25.0	28.2	113	5	16	66-127	
1,2,4-Trichlorobenzene	25.0	26.9	108	15	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	25.5	102	9	15	56-134	
1,2-Dichlorobenzene	25.0	28.5	114	12	20	80-124	
1,2-Dichloroethane	25.0	27.2	109	3	20	75-120	
1,2-Dichloropropane	25.0	28.6	115	4	20	76-120	
1,3-Dichlorobenzene	25.0	29.0	116	11	20	77-120	
1,4-Dichlorobenzene	25.0	27.8	111	12	20	78-124	
2-Butanone (MEK)	125	116	93	3	20	57-140	
2-Hexanone	125	118	94	8	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	137	110	6	35	71-125	
Acetone	125	152	121	3	15	56-142	
Benzene	25.0	27.5	110	2	13	71-124	
Bromodichloromethane	25.0	27.3	109	5	15	80-122	
Bromoform	25.0	20.9	84	16	15	61-132	F2
Bromomethane	25.0	28.6	114	3	15	55-144	
Carbon disulfide	25.0	27.3	109	1	15	59-134	
Carbon tetrachloride	25.0	28.1	112	2	15	72-134	
Chlorobenzene	25.0	26.7	107	8	25	80-120	
Dibromochloromethane	25.0	25.4	102	11	15	75-125	
Chloroethane	25.0	34.7	139	4	15	69-136	F1
Chloroform	25.0	26.6	106	2	20	73-127	
Chloromethane	25.0	33.6	134	7	15	68-124	F1
cis-1,2-Dichloroethene	25.0	27.5	110	0	15	74-124	
cis-1,3-Dichloropropene	25.0	24.1	96	4	15	74-124	
Cyclohexane	25.0	30.6	122	2	20	59-135	
Dichlorodifluoromethane	25.0	30.9	124	7	20	59-135	
Ethylbenzene	25.0	27.6	110	7	15	77-123	
1,2-Dibromoethane	25.0	24.1	97	6	15	77-120	
Isopropylbenzene	25.0	35.4	141	12	20	77-122	F1
Methyl acetate	50.0	47.7	95	1	20	74-133	
Methyl tert-butyl ether	25.0	27.0	108	2	37	77-120	
Methylcyclohexane	25.0	26.0	104	4	20	68-134	
Methylene Chloride	25.0	29.1	116	2	15	75-124	
Styrene	25.0	25.5	102	7	20	80-120	
Tetrachloroethene	25.0	24.4	98	8	20	74-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C0671.D
 Lab ID: 480-192275-4 MSD Client ID: 828021-GW-04 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Toluene	25.0	28.4	114	8	15	80-122	
trans-1,2-Dichloroethene	25.0	28.1	113	3	20	73-127	
trans-1,3-Dichloropropene	25.0	25.9	104	11	15	80-120	
Trichloroethene	25.0	26.5	106	3	16	74-123	
Trichlorofluoromethane	25.0	34.5	138	5	20	62-150	
Vinyl chloride	25.0	37.8	151	2	15	65-133	F1

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: C0647.D Lab Sample ID: MB 480-605537/6
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: HP5973C Date Analyzed: 11/18/2021 11:53
 GC Column: ZB-624 (20) ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-605537/4	C0645.D	11/18/2021 11:07
828021-GW-14	480-192275-1	C0656.D	11/18/2021 15:31
828021-GW-11	480-192275-2	C0657.D	11/18/2021 15:54
828021-DUP-11112021	480-192275-3	C0658.D	11/18/2021 16:16
828021-GW-04	480-192275-4	C0659.D	11/18/2021 16:39
828021-GW-10	480-192275-5	C0660.D	11/18/2021 17:03
828021-GW-2	480-192275-6	C0661.D	11/18/2021 17:26
8260 TRIP BLANK	480-192275-7	C0662.D	11/18/2021 17:48
828021-GW-04 MS	480-192275-4 MS	C0670.D	11/18/2021 20:52
828021-GW-04 MSD	480-192275-4 MSD	C0671.D	11/18/2021 21:15

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: C0376.D BFB Injection Date: 11/13/2021
 Instrument ID: HP5973C BFB Injection Time: 16:26
 Analysis Batch No.: 604814

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	44.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	74.0	
175	5.0 - 9.0 % of mass 174	6.2	(8.3) 1
176	95.0 - 101.0 % of mass 174	72.6	(98.1) 1
177	5.0 - 9.0 % of mass 176	4.3	(5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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 480-604814/6	C0378.D	11/13/2021	17:13
	IC 480-604814/7	C0379.D	11/13/2021	17:36
	IC 480-604814/8	C0380.D	11/13/2021	17:59
	IC 480-604814/9	C0381.D	11/13/2021	18:22
	IC 480-604814/10	C0382.D	11/13/2021	18:45
	ICIS 480-604814/11	C0383.D	11/13/2021	19:07
	IC 480-604814/12	C0384.D	11/13/2021	19:30
	IC 480-604814/13	C0385.D	11/13/2021	19:53
	ICV 480-604814/27	C0399.D	11/14/2021	1:12

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: C0642.D BFB Injection Date: 11/18/2021
 Instrument ID: HP5973C BFB Injection Time: 09:56
 Analysis Batch No.: 605537

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.7
75	30.0 - 60.0 % of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.6
173	Less than 2.0 % of mass 174	0.2 (0.3) 1
174	Greater than 50% of mass 95	71.4
175	5.0 - 9.0 % of mass 174	5.3 (7.5) 1
176	95.0 - 101.0 % of mass 174	70.7 (99.0) 1
177	5.0 - 9.0 % of mass 176	4.2 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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 480-605537/2	C0643.D	11/18/2021	10:21
	LCS 480-605537/4	C0645.D	11/18/2021	11:07
	MB 480-605537/6	C0647.D	11/18/2021	11:53
828021-GW-14	480-192275-1	C0656.D	11/18/2021	15:31
828021-GW-11	480-192275-2	C0657.D	11/18/2021	15:54
828021-DUP-11112021	480-192275-3	C0658.D	11/18/2021	16:16
828021-GW-04	480-192275-4	C0659.D	11/18/2021	16:39
828021-GW-10	480-192275-5	C0660.D	11/18/2021	17:03
828021-GW-2	480-192275-6	C0661.D	11/18/2021	17:26
8260 TRIP BLANK	480-192275-7	C0662.D	11/18/2021	17:48
828021-GW-04 MS	480-192275-4 MS	C0670.D	11/18/2021	20:52
828021-GW-04 MSD	480-192275-4 MSD	C0671.D	11/18/2021	21:15

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: ICIS 480-604814/11 Date Analyzed: 11/13/2021 19:07
 Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): C0383.D Heated Purge: (Y/N) N
 Calibration ID: 42711

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	207152	4.74	375183	7.04	393044	8.90
UPPER LIMIT	414304	5.24	750366	7.54	786088	9.40
LOWER LIMIT	103576	4.24	187592	6.54	196522	8.40
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 480-604814/27	197928	4.73	361401	7.04	370582	8.90
CCVIS 480-605537/2	239211	4.73	434089	7.04	355096	8.90

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

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 VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: CCVIS 480-605537/2 Date Analyzed: 11/18/2021 10:21
 Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm)
 Lab File ID (Standard): C0643.D Heated Purge: (Y/N) N
 Calibration ID: 42714

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	239211	4.73	434089	7.04	355096	8.90	
UPPER LIMIT	478422	5.23	868178	7.54	710192	9.40	
LOWER LIMIT	119606	4.23	217045	6.54	177548	8.40	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-605537/4	231726	4.73	403195	7.04	335530	8.90	
MB 480-605537/6	228789	4.74	385959	7.04	340658	8.90	
480-192275-1	828021-GW-14	228018	4.73	378512	7.04	324540	8.90
480-192275-2	828021-GW-11	230411	4.74	375327	7.04	299943	8.90
480-192275-3	828021-DUP-11112021	217626	4.74	366605	7.04	321682	8.90
480-192275-4	828021-GW-04	225720	4.73	393879	7.04	317913	8.90
480-192275-5	828021-GW-10	232413	4.73	393767	7.04	353321	8.90
480-192275-6	828021-GW-2	208333	4.73	367123	7.04	336023	8.90
480-192275-7	8260 TRIP BLANK	208357	4.74	356163	7.04	296803	8.90
480-192275-4 MS	828021-GW-04 MS	220243	4.74	392710	7.04	331351	8.90
480-192275-4 MSD	828021-GW-04 MSD	217994	4.74	371172	7.04	301546	8.90

FB = Fluorobenzene (IS)
 CBNZd5 = Chlorobenzene-d5
 DCBd4 = 1,4-Dichlorobenzene-d4

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 VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 Lab Sample ID: 480-192275-1
 Matrix: Water Lab File ID: C0656.D
 Analysis Method: 8260C Date Collected: 11/11/2021 08:38
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 15:31
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 Lab Sample ID: 480-192275-1
 Matrix: Water Lab File ID: C0656.D
 Analysis Method: 8260C Date Collected: 11/11/2021 08:38
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 15:31
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	1.1	J	2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	89		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0656.D
 Lims ID: 480-192275-E-1
 Client ID: 828021-GW-14
 Sample Type: Client
 Inject. Date: 18-Nov-2021 15:31:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-192275-E-1
 Misc. Info.: 480-0102526-015
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:38:46 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 16:39:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.738	-0.010	98	228018	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	378512	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	98	324540	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	302978	25.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	183972	25.7	
\$ 5 Toluene-d8 (Surr)	98	5.909	5.920	-0.011	94	907822	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.971	7.972	0.000	84	236578	22.2	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62	1.277	1.288	-0.011	96	2113	0.1703	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	
32 Methyl tert-butyl ether	73		3.008				ND	
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96		3.868				ND	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83		4.137				ND	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	7
74 Toluene	92		5.961				ND	
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166	6.365	6.376	-0.011	91	6215	0.5677	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0656.D

Injection Date: 18-Nov-2021 15:31:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-E-1

Lab Sample ID: 480-192275-1

Worklist Smp#: 15

Client ID: 828021-GW-14

Purge Vol: 5.000 mL

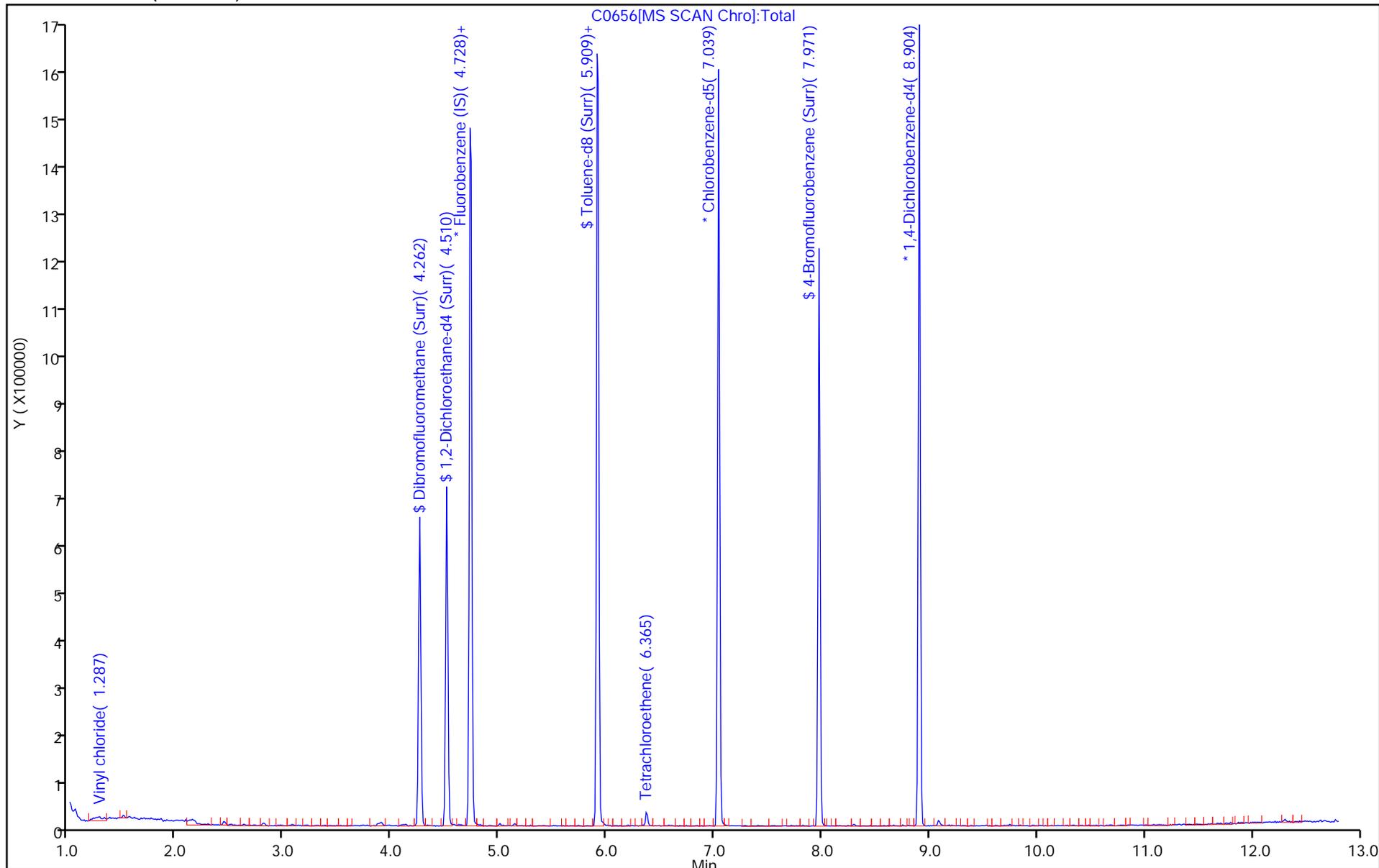
Dil. Factor: 2.0000

ALS Bottle#: 15

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0656.D

Injection Date: 18-Nov-2021 15:31:30

Instrument ID: HP5973C

Lims ID: 480-192275-E-1

Lab Sample ID: 480-192275-1

Client ID: 828021-GW-14

Operator ID: OI

ALS Bottle#: 15 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

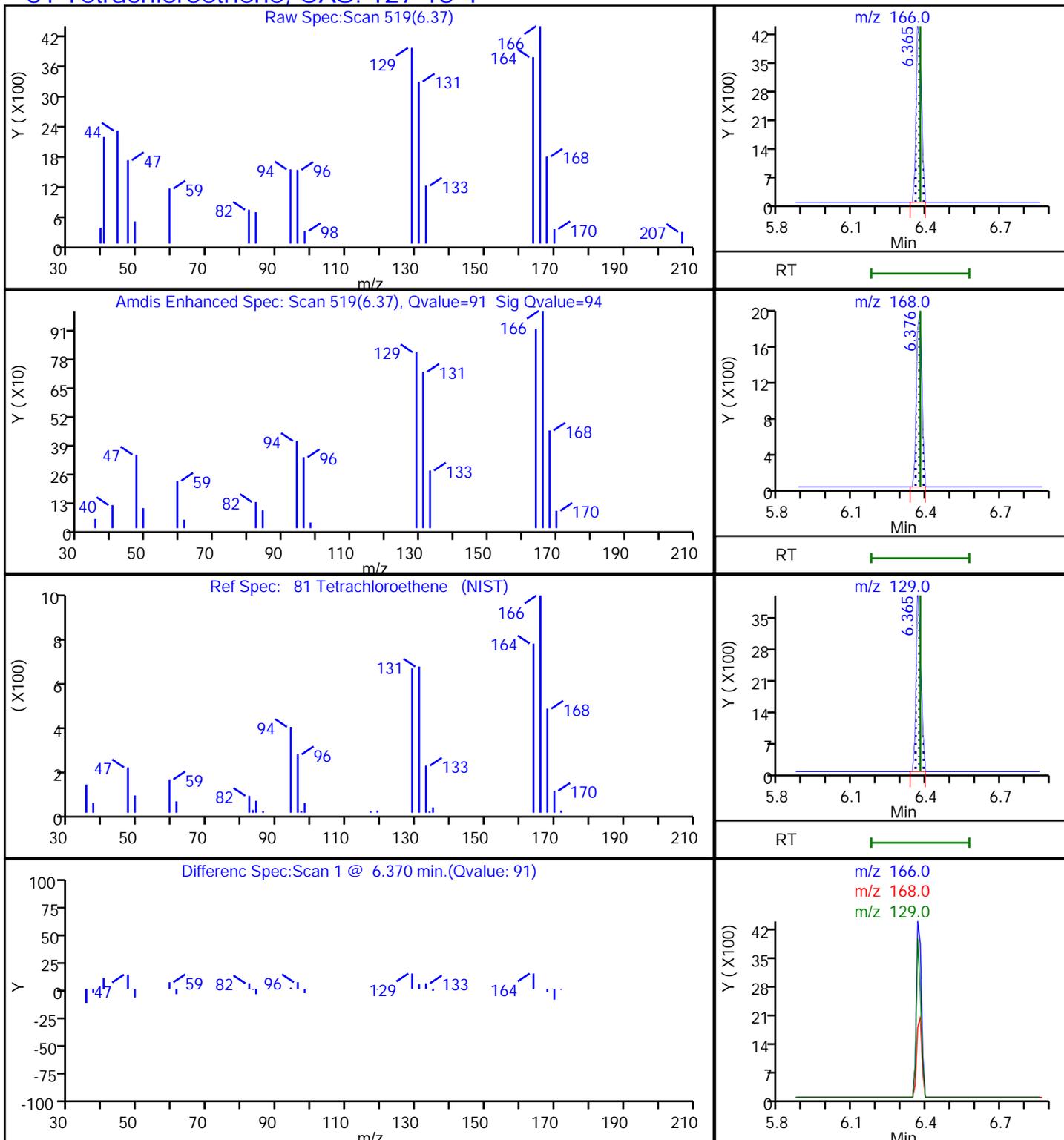
Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

81 Tetrachloroethene, CAS: 127-18-4



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 Lab Sample ID: 480-192275-2
 Matrix: Water Lab File ID: C0657.D
 Analysis Method: 8260C Date Collected: 11/10/2021 15:11
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 15:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 Lab Sample ID: 480-192275-2
 Matrix: Water Lab File ID: C0657.D
 Analysis Method: 8260C Date Collected: 11/10/2021 15:11
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 15:54
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0657.D
 Lims ID: 480-192275-E-2
 Client ID: 828021-GW-11
 Sample Type: Client
 Inject. Date: 18-Nov-2021 15:54:30 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-E-2
 Misc. Info.: 480-0102526-016
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:38:46 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 16:39:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	98	230411	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	375327	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	98	299943	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.261	4.262	-0.001	92	304219	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	96	184815	25.5	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	891789	25.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.971	7.972	0.000	85	228071	21.6	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62		1.288				ND	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	7
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	
32 Methyl tert-butyl ether	73		3.008				ND	
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96		3.868				ND	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83		4.137				ND	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	
74 Toluene	92		5.961				ND	
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166		6.376				ND	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0657.D

Injection Date: 18-Nov-2021 15:54:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-E-2

Lab Sample ID: 480-192275-2

Worklist Smp#: 16

Client ID: 828021-GW-11

Purge Vol: 5.000 mL

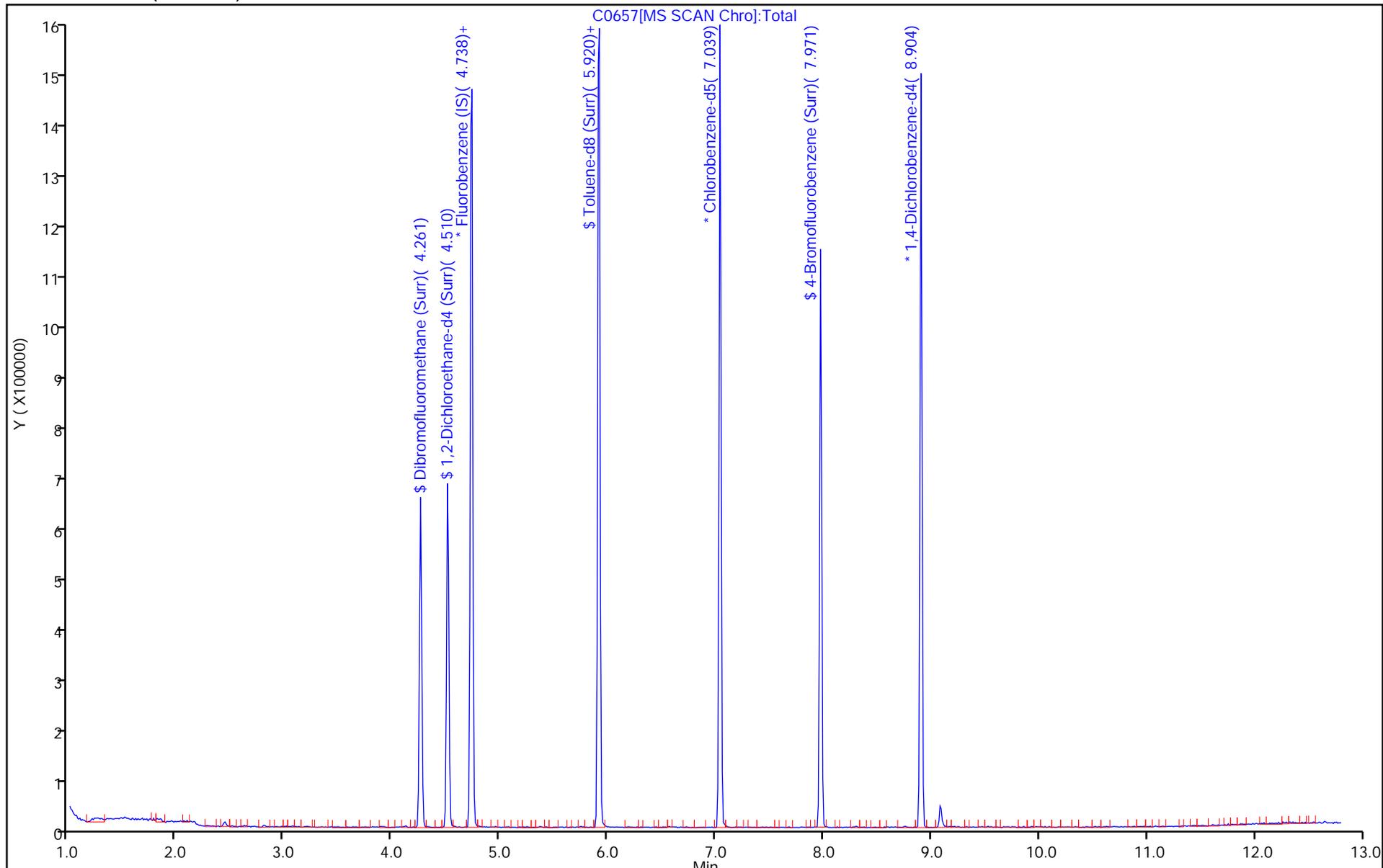
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 Lab Sample ID: 480-192275-3
 Matrix: Water Lab File ID: C0658.D
 Analysis Method: 8260C Date Collected: 11/11/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 16:16
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
75-34-3	1,1-Dichloroethane	ND		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	ND		2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-00-3	Chloroethane	ND		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	ND		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 Lab Sample ID: 480-192275-3
 Matrix: Water Lab File ID: C0658.D
 Analysis Method: 8260C Date Collected: 11/11/2021 00:00
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 16:16
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	2.6
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	ND		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	ND		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	ND		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	84		73-120
1868-53-7	Dibromofluoromethane (Surr)	102		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0658.D
 Lims ID: 480-192275-E-3
 Client ID: 828021-DUP-11112021
 Sample Type: Client
 Inject. Date: 18-Nov-2021 16:16:30 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 480-192275-E-3
 Misc. Info.: 480-0102526-017
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:38:46 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 17:15:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	98	217626	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	89	366605	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	98	321682	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	293582	25.6	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	173212	25.3	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	858208	24.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	84	216723	21.0	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62	1.287	1.288	-0.001	32	2330	0.1967	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	7
32 Methyl tert-butyl ether	73		3.008				ND	
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96		3.868				ND	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83		4.137				ND	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	7
74 Toluene	92		5.961				ND	
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166	6.365	6.376	-0.011	87	3771	0.3557	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0658.D

Injection Date: 18-Nov-2021 16:16:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-E-3

Lab Sample ID: 480-192275-3

Worklist Smp#: 17

Client ID: 828021-DUP-11112021

Purge Vol: 5.000 mL

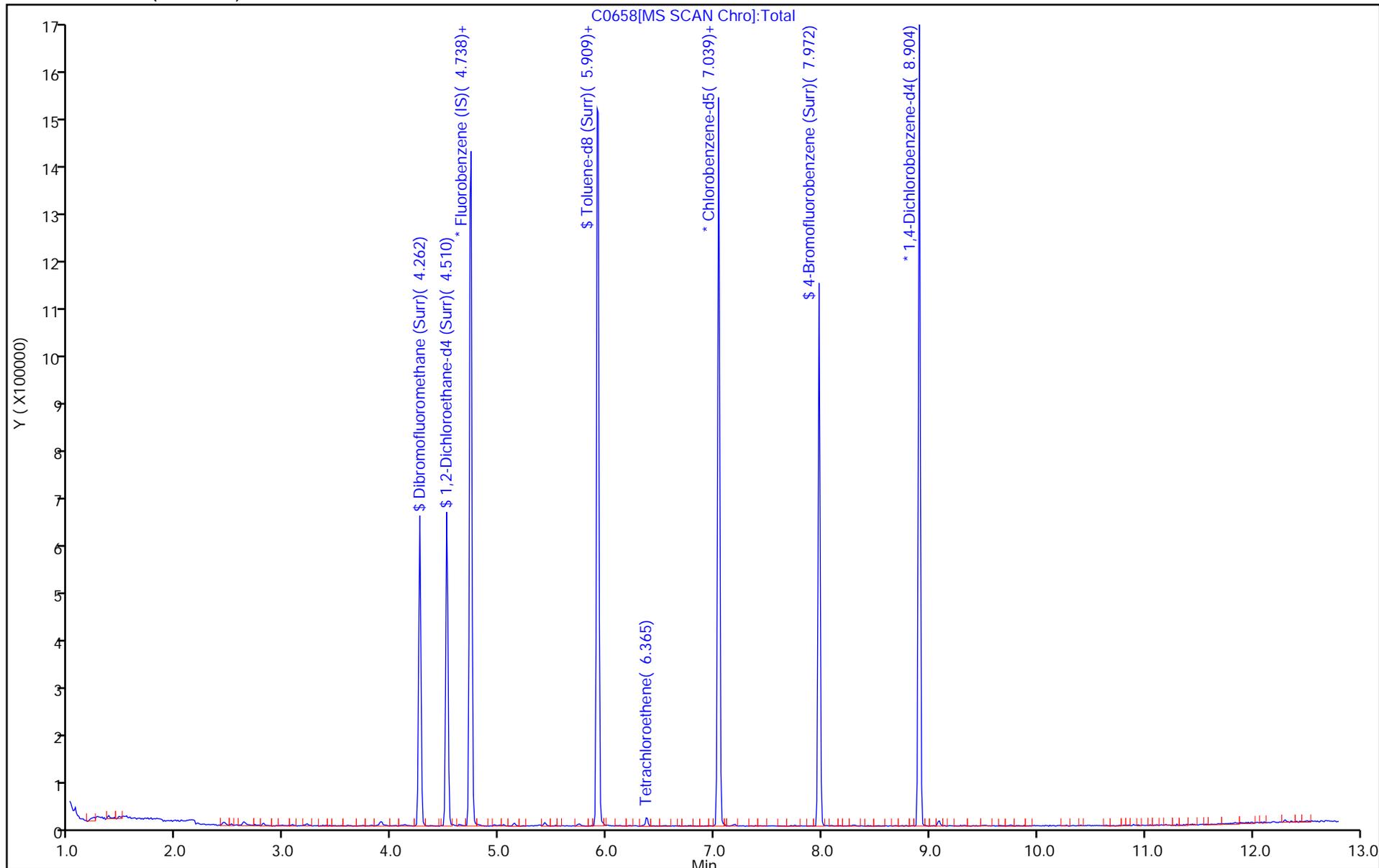
Dil. Factor: 2.0000

ALS Bottle#: 17

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 Lab Sample ID: 480-192275-4
 Matrix: Water Lab File ID: C0659.D
 Analysis Method: 8260C Date Collected: 11/10/2021 11:44
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 16:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND	F1	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND	F2	1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND	F1	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND	F1	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND	F1	1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 Lab Sample ID: 480-192275-4
 Matrix: Water Lab File ID: C0659.D
 Analysis Method: 8260C Date Collected: 11/10/2021 11:44
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 16:39
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND	F1	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	81		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0659.D
 Lims ID: 480-192275-E-4
 Client ID: 828021-GW-04
 Sample Type: Client
 Inject. Date: 18-Nov-2021 16:39:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-E-4
 Misc. Info.: 480-0102526-018
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 14:53:24 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 17:15:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.738	-0.010	98	225720	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	89	393879	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	98	317913	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.252	0.000	92	301769	25.3	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	185680	26.2	
\$ 5 Toluene-d8 (Surr)	98	5.909	5.920	-0.011	95	909431	24.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	84	225534	20.3	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62		1.288				ND	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	
32 Methyl tert-butyl ether	73		3.008				ND	
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96		3.868				ND	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83		4.137				ND	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	
74 Toluene	92		5.961				ND	
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166		6.376				ND	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0659.D

Injection Date: 18-Nov-2021 16:39:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-E-4

Lab Sample ID: 480-192275-4

Worklist Smp#: 18

Client ID: 828021-GW-04

Purge Vol: 5.000 mL

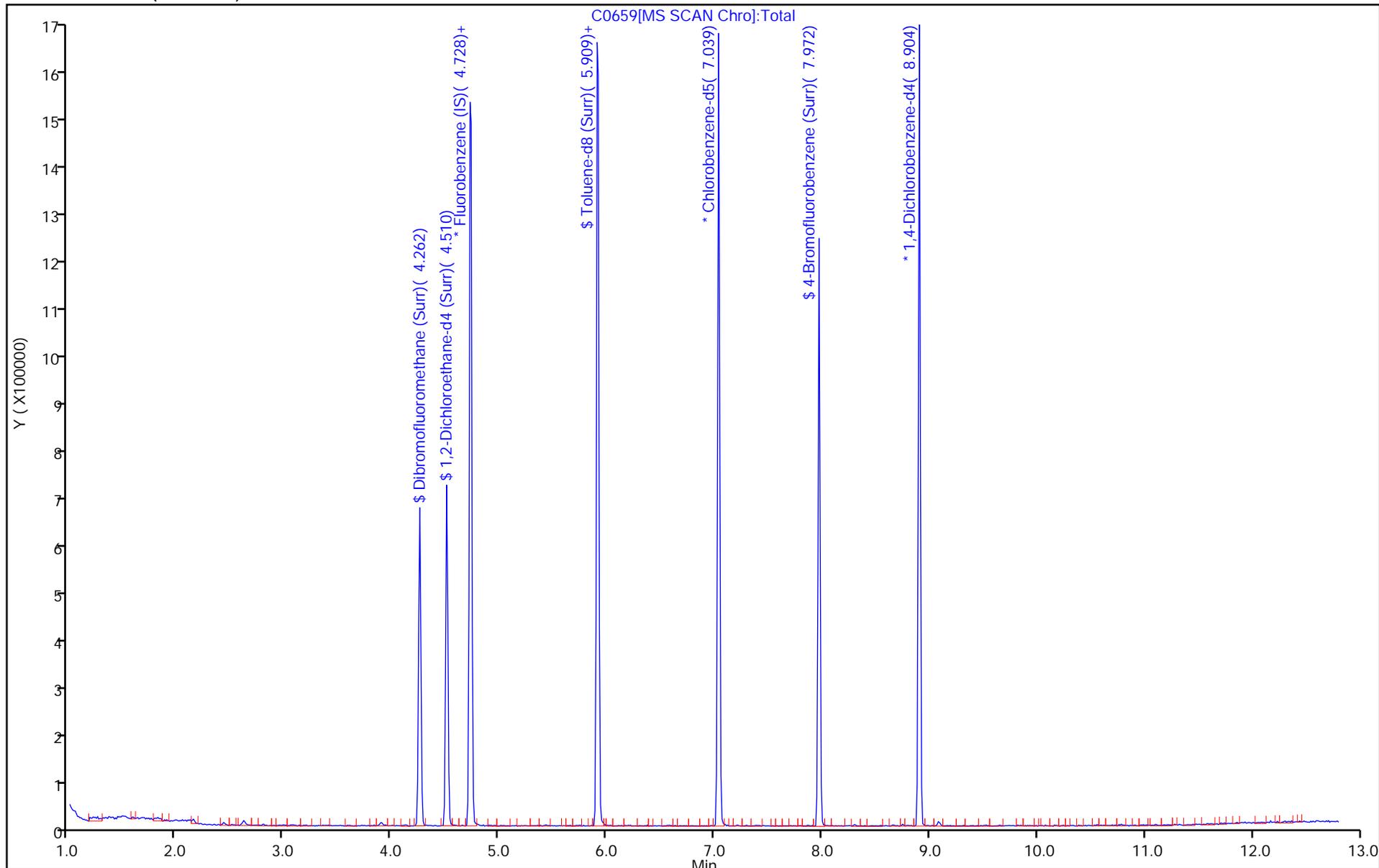
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 Lab Sample ID: 480-192275-5
 Matrix: Water Lab File ID: C0660.D
 Analysis Method: 8260C Date Collected: 11/10/2021 13:28
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 17:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 Lab Sample ID: 480-192275-5
 Matrix: Water Lab File ID: C0660.D
 Analysis Method: 8260C Date Collected: 11/10/2021 13:28
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 17:03
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		77-120
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	99		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0660.D
 Lims ID: 480-192275-E-5
 Client ID: 828021-GW-10
 Sample Type: Client
 Inject. Date: 18-Nov-2021 17:03:30 ALS Bottle#: 19 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-E-5
 Misc. Info.: 480-0102526-019
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 15:39:48 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 17:56:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.738	-0.010	98	232413	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	393767	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	97	353321	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.261	4.252	-0.001	92	303713	24.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	189724	26.0	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	95	926855	24.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.971	7.972	0.000	83	230028	20.8	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62		1.288				ND	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	
32 Methyl tert-butyl ether	73		3.008				ND	
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96		3.868				ND	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83		4.137				ND	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	7
74 Toluene	92	5.961	5.961	0.000	34	621	0.0235	7
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166		6.376				ND	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0660.D

Injection Date: 18-Nov-2021 17:03:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-E-5

Lab Sample ID: 480-192275-5

Worklist Smp#: 19

Client ID: 828021-GW-10

Purge Vol: 5.000 mL

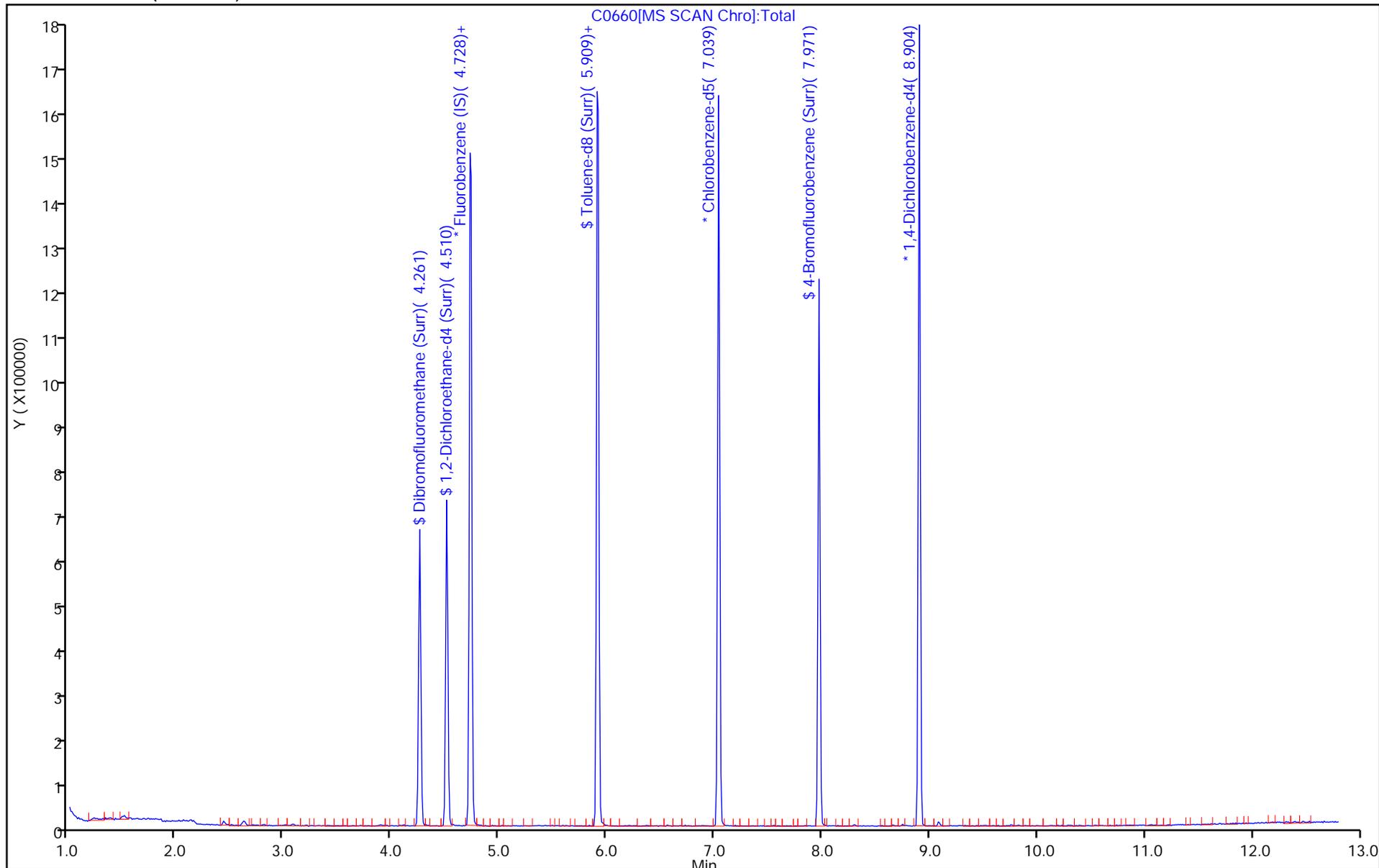
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 Lab Sample ID: 480-192275-6
 Matrix: Water Lab File ID: C0661.D
 Analysis Method: 8260C Date Collected: 11/10/2021 14:19
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 17:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 Lab Sample ID: 480-192275-6
 Matrix: Water Lab File ID: C0661.D
 Analysis Method: 8260C Date Collected: 11/10/2021 14:19
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 17:26
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	81		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0661.D
 Lims ID: 480-192275-E-6
 Client ID: 828021-GW-2
 Sample Type: Client
 Inject. Date: 18-Nov-2021 17:26:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-E-6
 Misc. Info.: 480-0102526-020
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 18:00:52 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw Date: 18-Nov-2021 18:00:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.738	-0.010	98	208333	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	89	367123	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	98	336023	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.252	0.000	92	283625	25.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	169083	25.8	
\$ 5 Toluene-d8 (Surr)	98	5.909	5.920	-0.011	95	829862	23.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	83	209469	20.3	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62		1.288				ND	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	
32 Methyl tert-butyl ether	73		3.008				ND	U
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	78	9808	0.7327	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83		4.137				ND	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	7
74 Toluene	92		5.961				ND	
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166		6.376				ND	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0661.D

Injection Date: 18-Nov-2021 17:26:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-E-6

Lab Sample ID: 480-192275-6

Worklist Smp#: 20

Client ID: 828021-GW-2

Purge Vol: 5.000 mL

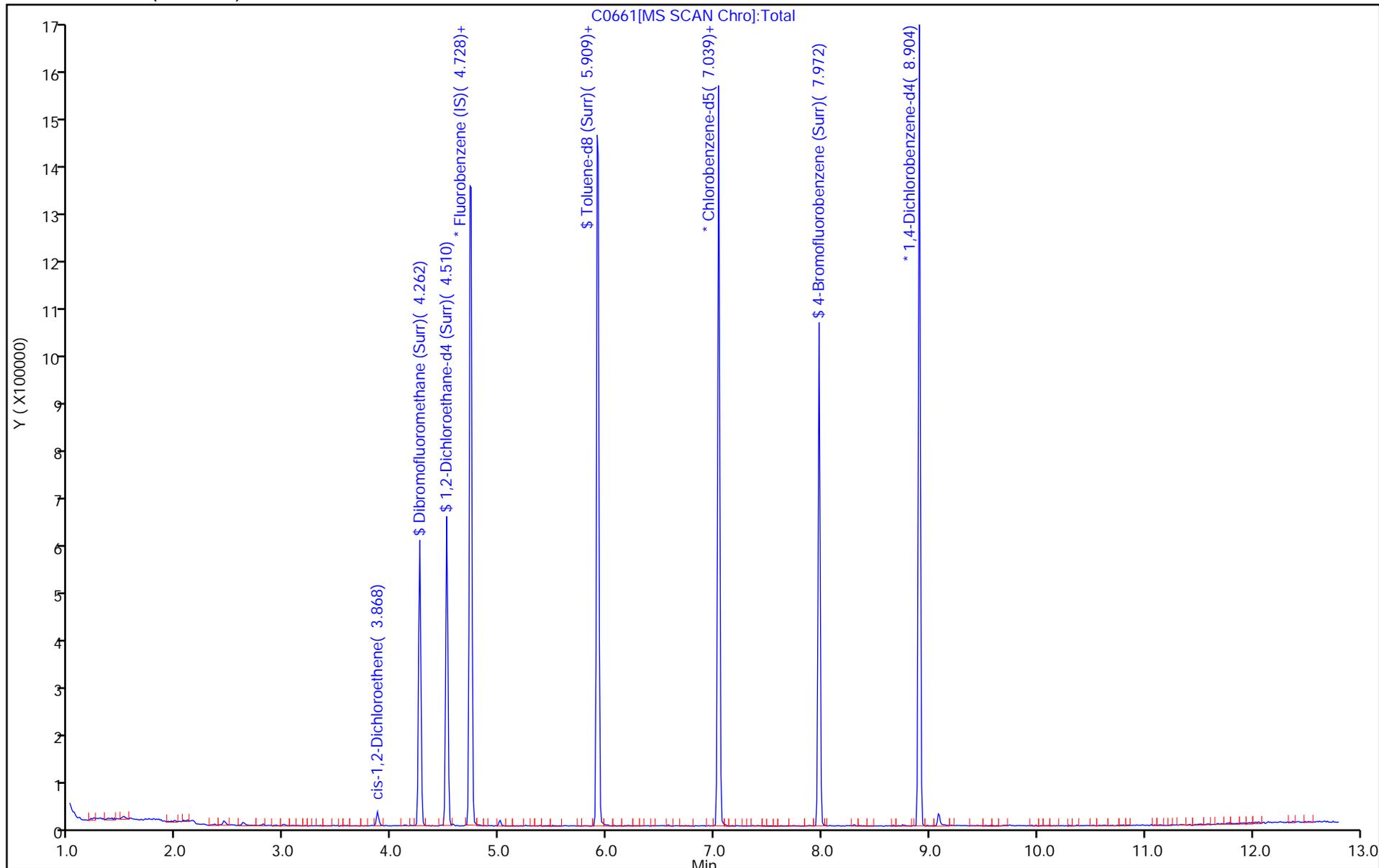
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0661.D

Injection Date: 18-Nov-2021 17:26:30

Instrument ID: HP5973C

Lims ID: 480-192275-E-6

Lab Sample ID: 480-192275-6

Client ID: 828021-GW-2

Operator ID: OI

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: C-8260

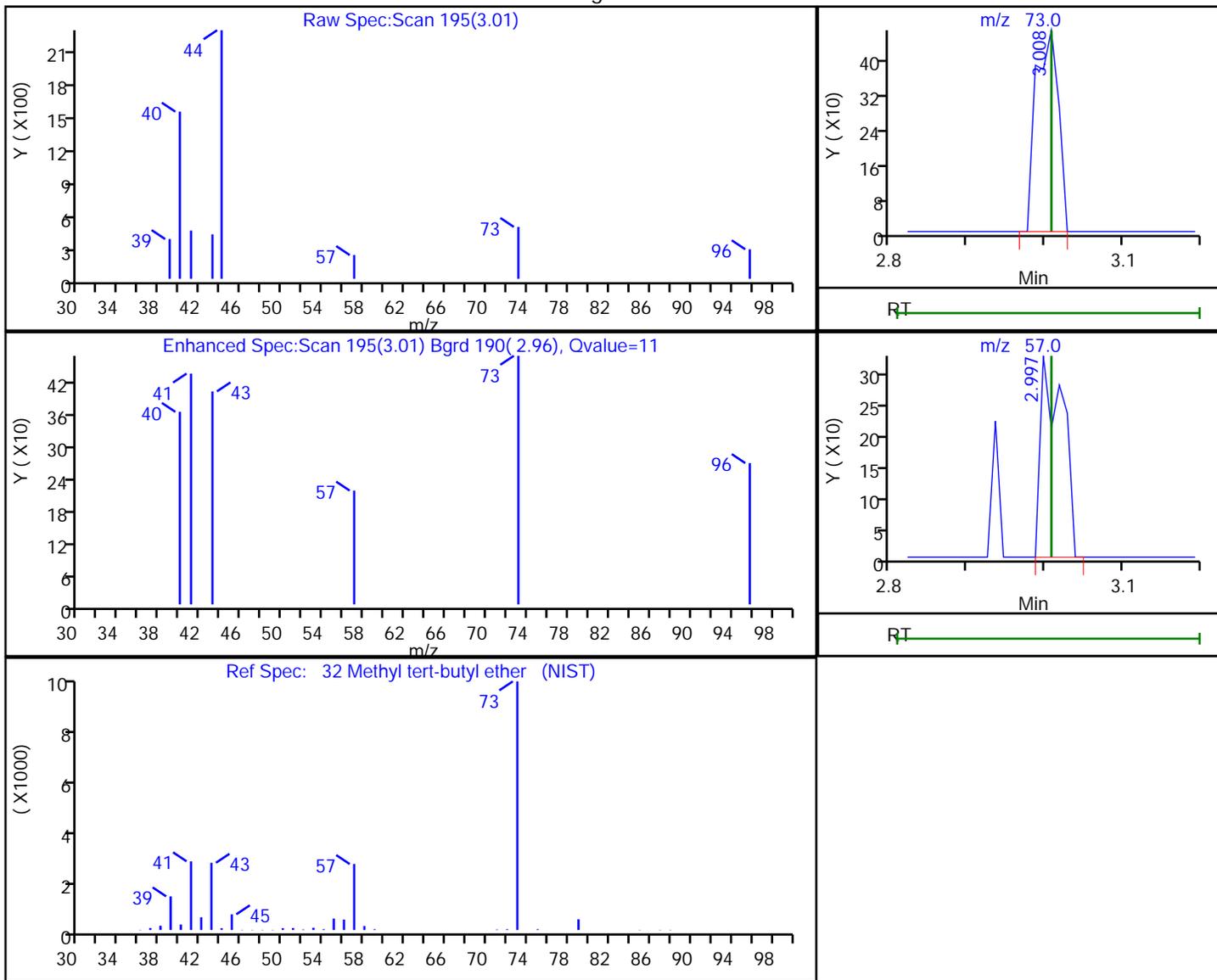
Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

Detector: MS SCAN

32 Methyl tert-butyl ether, CAS: 1634-04-4

Processing Results



RT	Mass	Response	Amount
3.01	73.00	931	0.025033
3.00	57.00	658	

Reviewer: dahnw, 18-Nov-2021 17:56:26

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 8260 TRIP BLANK Lab Sample ID: 480-192275-7
 Matrix: Water Lab File ID: C0662.D
 Analysis Method: 8260C Date Collected: 11/11/2021 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 17:48
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 8260 TRIP BLANK Lab Sample ID: 480-192275-7
 Matrix: Water Lab File ID: C0662.D
 Analysis Method: 8260C Date Collected: 11/11/2021 13:45
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 17:48
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		77-120
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0662.D
 Lims ID: 480-192275-A-7
 Client ID: 8260 TRIP BLANK
 Sample Type: Client
 Inject. Date: 18-Nov-2021 17:48:30 ALS Bottle#: 21 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-A-7
 Misc. Info.: 480-0102526-021
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:25:09 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 18:42:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	98	208357	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	356163	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	98	296803	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	278511	25.3	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	168260	25.7	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	847019	25.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	83	216266	21.6	
10 Dichlorodifluoromethane	85		1.049				ND	
12 Chloromethane	50		1.194				ND	
13 Vinyl chloride	62		1.288				ND	
14 Bromomethane	94		1.557				ND	
15 Chloroethane	64		1.640				ND	
17 Trichlorofluoromethane	101		1.847				ND	
21 112TCTFE	101		2.313				ND	
22 1,1-Dichloroethene	96		2.324				ND	
23 Acetone	43		2.438				ND	
26 Carbon disulfide	76		2.510				ND	
27 Methyl acetate	43		2.718				ND	
30 Methylene Chloride	84		2.811				ND	
32 Methyl tert-butyl ether	73		3.008				ND	
34 trans-1,2-Dichloroethene	96		3.018				ND	
39 1,1-Dichloroethane	63		3.391				ND	
45 cis-1,2-Dichloroethene	96		3.868				ND	
43 2-Butanone (MEK)	43		3.899				ND	
50 Chloroform	83	4.127	4.137	-0.010	92	2462	0.1130	
51 1,1,1-Trichloroethane	97		4.220				ND	
52 Cyclohexane	56		4.231				ND	
55 Carbon tetrachloride	117		4.334				ND	
57 Benzene	78		4.510				ND	
58 1,2-Dichloroethane	62		4.573				ND	
62 Trichloroethene	95		5.008				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83		5.101				ND	
65 1,2-Dichloropropane	63		5.194				ND	
68 Dichlorobromomethane	83		5.422				ND	
72 cis-1,3-Dichloropropene	75		5.744				ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847				ND	7
74 Toluene	92		5.961				ND	
77 trans-1,3-Dichloropropene	75		6.179				ND	
79 1,1,2-Trichloroethane	83		6.324				ND	
81 Tetrachloroethene	166		6.376				ND	
80 2-Hexanone	43		6.490				ND	
83 Chlorodibromomethane	129		6.624				ND	
84 Ethylene Dibromide	107		6.707				ND	
87 Chlorobenzene	112		7.060				ND	
88 Ethylbenzene	91		7.122				ND	
90 m-Xylene & p-Xylene	106		7.215				ND	
91 o-Xylene	106		7.536				ND	
92 Styrene	104		7.557				ND	
95 Bromoform	173		7.744				ND	
94 Isopropylbenzene	105		7.816				ND	
97 1,1,2,2-Tetrachloroethane	83		8.127				ND	
111 1,3-Dichlorobenzene	146		8.853				ND	
113 1,4-Dichlorobenzene	146		8.925				ND	
116 1,2-Dichlorobenzene	146		9.236				ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899				ND	
119 1,2,4-Trichlorobenzene	180		10.552				ND	
S 124 Xylenes, Total	1		30.000				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0662.D

Injection Date: 18-Nov-2021 17:48:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-A-7

Lab Sample ID: 480-192275-7

Worklist Smp#: 21

Client ID: 8260 TRIP BLANK

Purge Vol: 5.000 mL

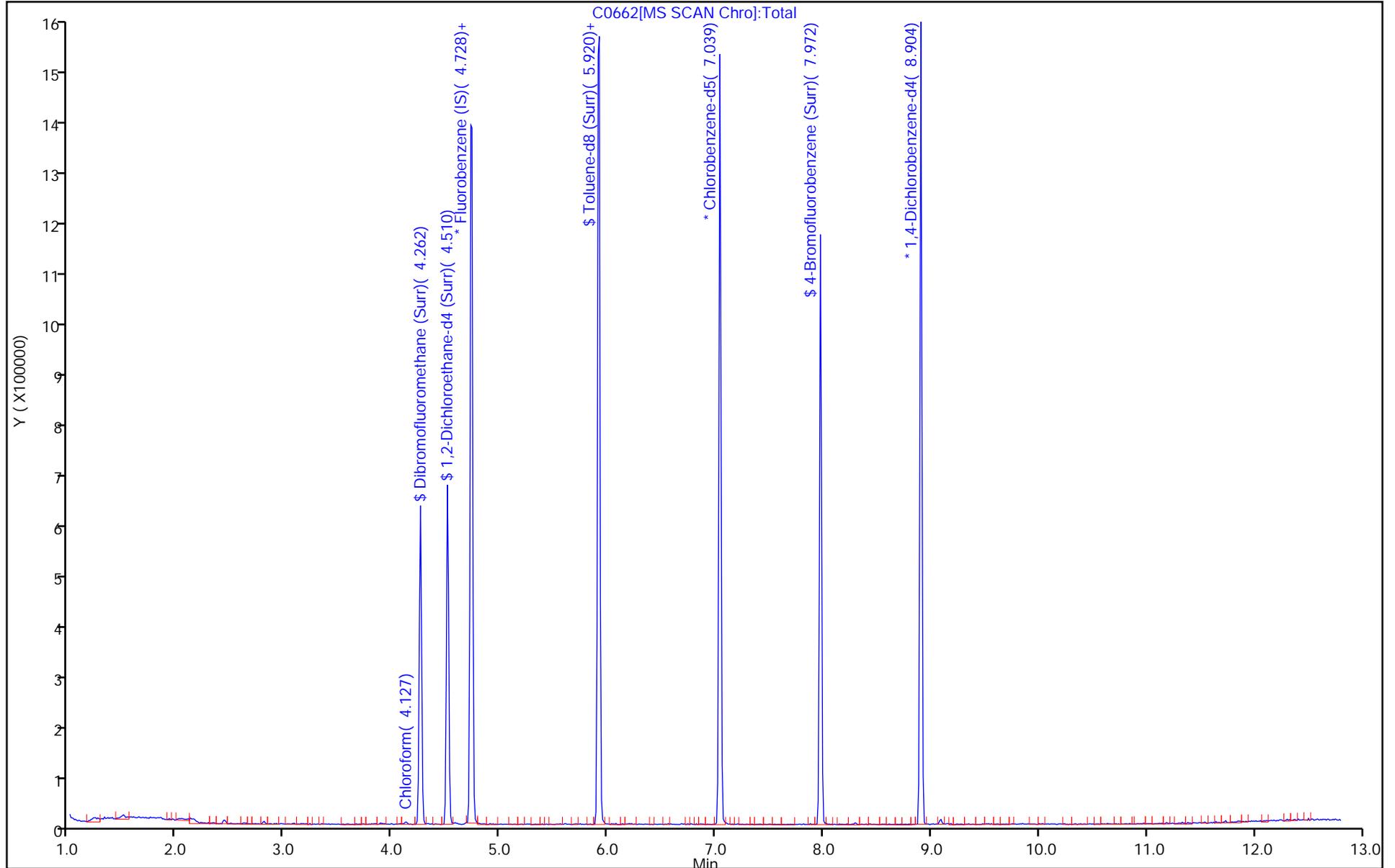
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604814/6	C0378.D
Level 2	IC 480-604814/7	C0379.D
Level 3	IC 480-604814/8	C0380.D
Level 4	IC 480-604814/9	C0381.D
Level 5	IC 480-604814/10	C0382.D
Level 6	ICIS 480-604814/11	C0383.D
Level 7	IC 480-604814/12	C0384.D
Level 8	IC 480-604814/13	C0385.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	1.0798 0.9209	1.1840 1.1141	1.0990 1.1962	1.0642	0.6573	Ave		1.039 4		0.1000	16.9		20.0				
Chloromethane	1.6272 1.4644	1.7581 1.6154	1.6383 1.5884	1.4325	1.3391	Ave		1.557 9		0.1000	8.7		20.0				
Vinyl chloride	1.4184 1.2951	1.4240 1.5262	1.3119 1.5293	1.3183	1.0614	Ave		1.360 6		0.1000	11.2		20.0				
Butadiene	1.5736 1.2363	1.4095 1.5797	1.4872 1.5231	1.4205	0.9129	Ave		1.392 8			16.0		20.0				
Bromomethane	++++ 0.9042	1.1360 0.9524	0.9557 0.9265	0.8808	0.7911	Ave		0.935 2		0.1000	11.2		20.0				
Chloroethane	++++ 0.8121	1.1267 0.8956	0.8829 0.8672	0.8277	0.7144	Ave		0.875 2		0.1000	14.4		20.0				
Dichlorofluoromethane	++++ 1.9950	2.2844 2.1996	2.1984 2.1551	1.9915	1.7131	Ave		2.076 7			9.3		20.0				
Trichlorofluoromethane	1.6535 1.4872	1.6857 1.8409	1.5835 1.8362	1.6138	1.0364	Ave		1.592 2		0.1000	16.0		20.0				
Ethyl ether	1.1494 1.3330	1.7506 1.2847	1.4472 1.3390	1.3847	1.3645	Ave		1.381 6			12.5		20.0				
Acrolein	++++ 0.0937	0.1553 0.0715	0.1098 0.0793	0.1013	0.0961	Lin1	0.426 5	0.078 2			13.2			0.9920		0.9900	
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 1.0668	1.3134 1.3087	1.2079 1.2663	1.1273	1.1174	Ave		1.201 1		0.1000	8.3		20.0				
1,1-Dichloroethene	++++ 1.1178	1.2841 1.2814	1.2955 1.2461	1.1489	1.1990	Ave		1.224 7		0.1000	5.8		20.0				
Acetone	++++ 0.7691	1.2002 0.5992	0.8578 0.6012	0.6891	0.7965	Lin1	3.183 1	0.617 5		0.1000	15.0			0.9900		0.9900	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Iodomethane	2.0479 2.1566	2.5853 2.2628	2.3599 2.1465	2.2449	2.2677	Ave		2.259 0			7.2		20.0				
Carbon disulfide	++++ 3.8382	4.4406 4.3312	4.0544 4.2448	3.9145	3.9157	Ave		4.105 6		0.1000	5.7		20.0				
Allyl chloride	++++ 2.3398	3.1503 2.4310	2.6282 2.4215	2.4832	2.4225	Ave		2.553 8			10.9		20.0				
Methyl acetate	2.0116 1.8903	2.0715 1.4174	1.8608 1.6768	1.8076	1.7877	Ave		1.815 4		0.1000	11.2		20.0				
Methylene Chloride	++++ 1.4037	1.7758 1.4625	1.5574 1.4012	1.5064	1.4772	Lin1	0.365 6	1.414 4		0.1000	2.3			1.0000		0.9900	
2-Methyl-2-propanol	0.2857 0.2960	0.4049 0.2476	0.3245 0.2229	0.2424	0.2881	Ave		0.289 0			19.8		20.0				
Methyl tert-butyl ether	++++ 4.4589	4.9516 4.1158	4.4950 4.3594	4.3731	4.4868	Ave		4.462 9		0.1000	5.6		20.0				
trans-1,2-Dichloroethene	1.3441 1.4399	1.4792 1.5042	1.5840 1.4465	1.4018	1.4590	Ave		1.457 3		0.1000	4.9		20.0				
Acrylonitrile	0.8359 0.9596	1.1286 0.7538	1.0039 0.7953	0.8813	0.9498	Ave		0.913 5			13.4		20.0				
Hexane	++++ 1.7325	2.0450 2.1582	2.1805 2.1557	1.9993	1.9326	Ave		2.029 1			7.9		20.0				
1,1-Dichloroethane	2.1116 2.5043	3.0208 2.5749	2.6788 2.5749	2.5918	2.6334	Ave		2.586 3		0.2000	9.6		20.0				
Vinyl acetate	2.9675 3.6609	3.5359 3.5928	3.2976 4.0378	3.4011	3.4930	Ave		3.498 3			8.8		20.0				
2,2-Dichloropropane	0.9261 1.1393	1.3370 1.2140	1.2566 1.1453	1.1626	1.1929	Ave		1.171 7			10.1		20.0				
cis-1,2-Dichloroethene	1.2992 1.5766	1.8240 1.6169	1.6985 1.5823	1.6074	1.6456	Ave		1.606 3		0.1000	9.2		20.0				
2-Butanone (MEK)	1.1064 1.1674	1.4104 0.9821	1.2325 1.0165	1.0809	1.1819	Ave		1.147 3		0.1000	11.8		20.0				
Chlorobromomethane	0.9111 0.8506	1.1042 0.8328	0.8709 0.8467	0.8833	0.8578	Ave		0.894 7			9.8		20.0				
Tetrahydrofuran	0.8917 0.8147	0.9434 0.6581	0.8587 0.6774	0.7863	0.8270	Ave		0.807 2			12.2		20.0				
Chloroform	2.7048 2.4541	2.9527 2.4813	2.6727 2.4913	2.5859	2.5686	Ave		2.613 9		0.2000	6.3		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,1,1-Trichloroethane	++++ 1.8188	2.1847 2.0575	2.0861 2.0274	1.8580	1.8985	Ave		1.990 1		0.1000	6.7		20.0				
Cyclohexane	++++ 2.2428	2.5057 2.7310	2.5659 2.6355	2.4798	2.4045	Ave		2.509 3		0.1000	6.3		20.0				
Carbon tetrachloride	++++ 1.4266	1.6328 1.6937	1.5263 1.6790	1.3951	1.4583	Ave		1.544 5		0.1000	8.0		20.0				
1,1-Dichloropropene	++++ 1.6687	1.9866 1.9302	1.9425 1.8867	1.8016	1.7843	Ave		1.857 2			6.0		20.0				
Benzene	4.3824 5.1532	5.9566 5.5499	5.6021 5.5658	5.4587	5.3763	Ave		5.380 6		0.5000	8.6		20.0				
Isobutyl alcohol	0.1041 0.1126	0.1379 0.0974	0.1036 0.0916	0.0943	0.1063	Ave		0.106 0			13.7		20.0				
1,2-Dichloroethane	1.9169 1.9742	2.3528 1.9150	2.0641 1.9502	2.0871	2.1176	Ave		2.047 2		0.1000	7.1		20.0				
n-Heptane	1.7134 2.0320	2.4626 2.6323	2.1799 2.3686	2.2661	2.2089	Ave		2.233 0			12.5		20.0				
Trichloroethene	1.0895 1.3236	1.4787 1.4822	1.4516 1.4696	1.3893	1.4023	Ave		1.385 9		0.2000	9.5		20.0				
Methylcyclohexane	++++ 2.0550	2.5896 2.5626	2.4314 2.4807	2.3676	2.1849	Ave		2.381 7		0.1000	8.3		20.0				
1,2-Dichloropropane	++++ 1.3056	1.3854 1.3150	1.3401 1.3722	1.2721	1.3406	Ave		1.333 0		0.1000	2.9		20.0				
Dibromomethane	++++ 0.9064	1.0335 0.8791	0.8972 0.9481	0.9281	0.9177	Ave		0.930 0		0.1000	5.5		20.0				
1,4-Dioxane	0.0108 0.0109	0.0119 0.0119	0.0115 0.0093	0.0111	0.0115	Ave		0.011 1			7.5		20.0				
Bromodichloromethane	1.2256 1.5124	1.6918 1.6132	1.4454 1.7458	1.4989	1.4871	Ave		1.527 5		0.2000	10.6		20.0				
2-Chloroethyl vinyl ether	++++ 0.8619	1.0104 0.8620	0.7519 0.9452	0.7749	0.8342	Ave		0.862 9			10.5		20.0				
cis-1,3-Dichloropropene	++++ 1.8502	1.9577 1.9791	1.7070 2.1473	1.7805	1.8055	Ave		1.889 6		0.2000	7.9		20.0				
4-Methyl-2-pentanone (MIBK)	0.9874 1.2761	1.2895 1.0994	1.1777 1.1526	1.2263	1.2715	Ave		1.185 1		0.1000	8.8		20.0				
Toluene	1.3500 1.6133	1.9323 1.7795	1.6489 1.7133	1.6497	1.7153	Ave		1.675 3		0.4000	9.9		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
trans-1,3-Dichloropropene	0.7254 0.8850	0.8436 0.9679	0.8182 0.9894	0.8266	0.8614	Ave		0.864 7		0.1000	9.8		20.0				
Ethyl methacrylate	++++ 0.9641	0.9339 0.9970	0.8577 1.0073	0.9475	0.9727	Ave		0.954 3			5.2		20.0				
1,1,2-Trichloroethane	++++ 0.5153	0.5985 0.5417	0.5269 0.5273	0.5345	0.5361	Ave		0.540 0		0.1000	5.0		20.0				
Tetrachloroethene	++++ 0.6439	0.7861 0.7650	0.7463 0.7207	0.7157	0.6834	Ave		0.723 0		0.2000	6.7		20.0				
1,3-Dichloropropane	0.8948 1.0146	1.0880 1.0529	0.9789 1.0457	1.0265	1.0547	Ave		1.019 5			5.9		20.0				
2-Hexanone	++++ 0.8024	0.8032 0.7752	0.7439 0.7587	0.8110	0.8243	Ave		0.788 4		0.1000	3.8		20.0				
Dibromochloromethane	++++ 0.5468	0.5618 0.6258	0.5110 0.6515	0.5047	0.5438	Ave		0.563 6		0.1000	9.9		20.0				
1,2-Dibromoethane	0.5812 0.6560	0.7327 0.6985	0.6645 0.6885	0.7052	0.6978	Ave		0.678 1			6.8		20.0				
Chlorobenzene	1.5665 1.7821	1.9573 1.9280	1.8674 1.8958	1.9044	1.8691	Ave		1.846 3		0.5000	6.7		20.0				
Ethylbenzene	++++ 3.0870	3.6204 3.4234	3.2914 3.2626	3.3187	3.2646	Ave		3.324 0		0.1000	4.9		20.0				
1,1,1,2-Tetrachloroethane	++++ 0.6624	0.6126 0.7099	0.5844 0.7040	0.6554	0.6308	Ave		0.651 4			7.1		20.0				
m,p-Xylene	++++ 1.2368	1.3162 1.3504	1.2716 1.2724	1.3093	1.2974	Ave		1.293 4		0.1000	2.9		20.0				
o-Xylene	++++ 1.2962	1.4183 1.3925	1.2087 1.2970	1.3328	1.3357	Ave		1.325 9		0.3000	5.2		20.0				
Styrene	++++ 1.9741	2.2384 2.1677	2.0281 2.0797	2.0610	2.0525	Ave		2.085 9		0.3000	4.3		20.0				
Bromoform	0.2856 0.3501	0.3308 0.3888	0.2709 0.4438	0.3240	0.3258	Ave		0.340 0		0.1000	16.3		20.0				
Isopropylbenzene	++++ 3.1725	3.4693 4.0232	3.3243 3.4961	3.4556	3.5363	Ave		3.496 7		0.1000	7.5		20.0				
Bromobenzene	0.6266 0.7408	0.8283 0.8802	0.7649 0.7991	0.7681	0.8284	Ave		0.779 6			9.8		20.0				
1,1,2,2-Tetrachloroethane	0.8503 1.0213	1.0849 1.1361	0.9229 1.0119	1.0228	1.0992	Ave		1.018 7		0.3000	9.3		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
N-Propylbenzene	++++ 3.5635	4.1138 4.5630	3.6717 3.9760	3.9571	3.9182	Ave		3.966 2			8.2		20.0				
1,2,3-Trichloropropane	0.2988 0.3381	0.3347 0.3730	0.3351 0.3236	0.3468	0.3678	Ave		0.339 7			7.0		20.0				
trans-1,4-Dichloro-2-butene	++++ 0.2772	0.3439 0.3563	0.2658 0.3247	0.3195	0.3375	Ave		0.317 8			10.7		20.0				
2-Chlorotoluene	++++ 0.7519	0.8819 0.9064	0.8173 0.7859	0.8036	0.8197	Ave		0.823 8			6.5		20.0				
1,3,5-Trimethylbenzene	++++ 2.7659	3.1153 3.4225	2.6786 2.9925	2.9976	3.0274	Ave		3.000 0			8.1		20.0				
4-Chlorotoluene	0.6983 0.7401	0.8176 0.8841	0.7665 0.7782	0.8286	0.8087	Ave		0.790 3			7.3		20.0				
tert-Butylbenzene	++++ 0.5768	0.5753 0.7553	0.5865 0.6553	0.6176	0.6187	Ave		0.626 5			10.1		20.0				
1,2,4-Trimethylbenzene	++++ 2.8775	3.3235 3.5207	2.9885 3.0466	3.0645	3.1244	Ave		3.135 1			7.0		20.0				
sec-Butylbenzene	++++ 3.3753	3.7059 4.4860	3.4426 3.8857	3.6765	3.7065	Ave		3.754 1			9.8		20.0				
4-Isopropyltoluene	++++ 2.9722	3.3444 3.8341	3.0883 3.3376	3.2454	3.2703	Ave		3.298 9			8.3		20.0				
1,3-Dichlorobenzene	1.2929 1.4877	1.7350 1.7913	1.4954 1.5891	1.6632	1.7076	Ave		1.595 3		0.6000	10.3		20.0				
1,4-Dichlorobenzene	++++ 1.4933	1.7486 1.7845	1.6043 1.6250	1.7209	1.7032	Ave		1.668 6		0.5000	6.0		20.0				
n-Butylbenzene	++++ 2.6580	3.2576 3.4809	2.6926 3.0318	2.9918	2.9575	Ave		3.010 1			9.7		20.0				
1,2-Dichlorobenzene	++++ 1.5912	1.8604 1.8446	1.6387 1.6023	1.7672	1.7643	Ave		1.724 1		0.4000	6.5		20.0				
1,2-Dibromo-3-Chloropropane	0.2156 0.2269	0.2631 0.2744	0.1954 0.2473	0.2140	0.2394	Ave		0.234 5		0.0500	11.4		20.0				
1,2,4-Trichlorobenzene	1.2061 1.2825	1.6071 1.5292	1.3682 1.3184	1.3891	1.3958	Ave		1.387 1		0.2000	9.3		20.0				
Hexachlorobutadiene	++++ 0.5339	0.6655 0.7059	0.5691 0.6008	0.6072	0.5862	Ave		0.609 8			9.6		20.0				
Naphthalene	++++ 4.4541	4.7667 5.1325	4.4769 4.3619	4.4523	4.7156	Ave		4.622 9			5.8		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,2,3-Trichlorobenzene	+++++	1.6185	1.3584	1.3942	1.3458	Ave		1.392			8.9		20.0				
	1.2739	1.4893	1.2689					7									
Dibromofluoromethane (Surr)	1.2917	1.3611	1.3142	1.2591	1.3613	Ave		1.319			2.9		20.0				
	1.3578	1.3079	1.2986					0									
1,2-Dichloroethane-d4 (Surr)	0.7822	0.8193	0.7830	0.7716	0.8100	Ave		0.786			3.7		20.0				
	0.8235	0.7403	0.7606					3									
Toluene-d8 (Surr)	2.3508	2.3862	2.3336	2.3993	2.4340	Ave		2.371			1.9		20.0				
	2.3765	2.3996	2.2891					1									
4-Bromofluorobenzene (Surr)	0.6687	0.7010	0.6709	0.7045	0.7247	Ave		0.703			3.8		20.0				
	0.7031	0.7517	0.7037					5									

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604814/6	C0378.D
Level 2	IC 480-604814/7	C0379.D
Level 3	IC 480-604814/8	C0380.D
Level 4	IC 480-604814/9	C0381.D
Level 5	IC 480-604814/10	C0382.D
Level 6	ICIS 480-604814/11	C0383.D
Level 7	IC 480-604814/12	C0384.D
Level 8	IC 480-604814/13	C0385.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Dichlorodifluoromethane	FB	Ave	3444 190759	9488 467435	17849 1019395	44459	53800	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloromethane	FB	Ave	5190 303363	14088 677735	26608 1353588	59848	109606	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl chloride	FB	Ave	4524 268278	11411 640337	21306 1303218	55076	86877	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Butadiene	FB	Ave	5019 256103	11295 662769	24153 1297911	59347	74719	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Bromomethane	FB	Ave	++++ 187298	9103 399572	15522 789559	36798	64751	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Chloroethane	FB	Ave	++++ 168222	9029 375736	14339 739009	34578	58475	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 413269	18306 922847	35704 1836508	83201	140217	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichlorofluoromethane	FB	Ave	5274 308081	13508 772368	25717 1564771	67422	84826	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Ethyl ether	FB	Ave	3666 276143	14028 539000	23504 1141089	57849	111685	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrolein	FB	Lin1	++++ 97094	6221 149964	8916 338044	21167	39346	++++ 125	5.00 250	10.0 500	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 220987	10525 549060	19617 1079126	47097	91460	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethene	FB	Ave	++++ 231558	10290 537628	21040 1061866	47998	98135	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Acetone	FB	Lin1	++++	48086	69661	143936	325970	++++	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			796644	1256894	2561797			125	250	500		
Iodomethane	FB	Ave	6532 446752	20717 949349	38328 1829208	93788	185609	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon disulfide	FB	Ave	++++ 795092	35584 1817149	65847 3617285	163540	320501	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Allyl chloride	FB	Ave	++++ 484694	25244 1019919	42684 2063542	103743	198282	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Methyl acetate	FB	Ave	12832 783139	33199 1189313	60443 2857837	151035	292651	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 290774	14230 613609	25294 1194075	62935	120911	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Methyl-2-propanol	FB	Ave	9114 613269	32448 1038635	52708 1899345	101251	235831	4.00 250	10.0 500	20.0 1000	50.0	100
Methyl tert-butyl ether	FB	Ave	++++ 923671	39679 1726792	73003 3714957	182701	367245	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	4287 298276	11853 631091	25726 1232663	58563	119422	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Acrylonitrile	FB	Ave	26662 1987853	90441 3162427	163051 6777670	368185	777452	4.00 250	10.0 500	20.0 1000	50.0	100
Hexane	FB	Ave	++++ 358892	16387 905469	35414 1837060	83528	158185	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloroethane	FB	Ave	6735 518780	24207 1080314	43507 2194310	108281	215545	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Vinyl acetate	FB	Ave	18930 1516729	56669 3014738	107113 6881753	284185	571796	0.800 50.0	2.00 100	4.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	2954 236006	10714 509322	20408 975988	48570	97642	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,2-Dichloroethene	FB	Ave	4144 326591	14616 678364	27585 1348365	67156	134695	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Butanone (MEK)	FB	Ave	17644 1209169	56509 2060216	100088 4331201	225787	483709	2.00 125	5.00 250	10.0 500	25.0	50.0
Chlorobromomethane	FB	Ave	2906 176201	8848 349395	14145 721532	36901	70215	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Tetrahydrofuran	FB	Ave	5688 337548	15119 552194	27892 1154609	65697	135385	0.800 50.0	2.00 100	4.00 200	10.0	20.0
Chloroform	FB	Ave	8627	23661	43407	108032	210237	0.400	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			508377	1041036	2122999			25.0	50.0	100		
1,1,1-Trichloroethane	FB	Ave	++++ 376768	17507 863213	33881 1727670	77625	155389	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Cyclohexane	FB	Ave	++++ 464605	20079 1145778	41673 2245889	103600	196809	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 295515	13084 710594	24789 1430811	58286	119361	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,1-Dichloropropene	FB	Ave	++++ 345671	15919 809816	31548 1607841	75268	146049	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Benzene	FB	Ave	13978 1067494	47732 2328453	90984 4743036	228055	440052	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Isobutyl alcohol	FB	Ave	8303 583263	27624 1022033	42051 1951929	98526	217453	10.0 625	25.0 1250	50.0 2500	125	250
1,2-Dichloroethane	FB	Ave	6114 408957	18854 803451	33523 1661924	87196	173325	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
n-Heptane	FB	Ave	5465 420936	19734 1104374	35404 2018452	94672	180801	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Trichloroethene	FB	Ave	3475 274193	11849 621849	23576 1252392	58041	114781	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
Methylcyclohexane	FB	Ave	++++ 425690	20751 1075121	39488 2113978	98913	178835	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,2-Dichloropropane	FB	Ave	++++ 270466	11102 551690	21764 1169362	53145	109732	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
Dibromomethane	FB	Ave	++++ 187761	8282 368842	14571 807906	38775	75116	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
1,4-Dioxane	CBNZ d5	Ave	1188 81609	3395 177790	6554 300601	16227	33684	8.00 500	20.0 1000	40.0 2000	100	200
Bromodichloromethane	FB	Ave	3909 313290	13557 676807	23474 1487727	62623	121716	0.400 25.0	1.00 50.0	2.00 100	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	++++ 178540	8097 361634	12211 805460	32375	68282	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
cis-1,3-Dichloropropene	FB	Ave	++++ 383270	15688 830332	27723 1829898	74384	147779	++++ 25.0	1.00 50.0	2.00 100	5.00	10.0
4-Methyl-2-pentanone (MIBK)	CBNZ d5	Ave	27276	92240	167391	449566	932531	2.00	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			2393929	4115180	9291138			125	250	500		
Toluene	CBNZ d5	Ave	7459	27644	46872	120964	251598	0.400	1.00	2.00	5.00	10.0
			605283	1332245	2762225			25.0	50.0	100		
trans-1,3-Dichloropropene	CBNZ d5	Ave	4008	12069	23258	60611	126351	0.400	1.00	2.00	5.00	10.0
			332021	724645	1595100			25.0	50.0	100		
Ethyl methacrylate	CBNZ d5	Ave	++++	13361	24381	69477	142674	++++	1.00	2.00	5.00	10.0
			361732	746370	1623938			25.0	50.0	100		
1,1,2-Trichloroethane	CBNZ d5	Ave	++++	8562	14979	39193	78629	++++	1.00	2.00	5.00	10.0
			193319	405559	850100			25.0	50.0	100		
Tetrachloroethene	CBNZ d5	Ave	++++	11247	21215	52477	100243	++++	1.00	2.00	5.00	10.0
			241573	572732	1161943			25.0	50.0	100		
1,3-Dichloropropane	CBNZ d5	Ave	4944	15565	27826	75264	154703	0.400	1.00	2.00	5.00	10.0
			380660	788251	1685875			25.0	50.0	100		
2-Hexanone	CBNZ d5	Ave	++++	57453	105732	297319	604546	++++	5.00	10.0	25.0	50.0
			1505210	2901933	6115932			125	250	500		
Dibromochloromethane	CBNZ d5	Ave	++++	8038	14525	37009	79760	++++	1.00	2.00	5.00	10.0
			205143	468505	1050377			25.0	50.0	100		
1,2-Dibromoethane	CBNZ d5	Ave	3211	10483	18890	51707	102349	0.400	1.00	2.00	5.00	10.0
			246115	522948	1110043			25.0	50.0	100		
Chlorobenzene	CBNZ d5	Ave	8655	28002	53084	139637	274164	0.400	1.00	2.00	5.00	10.0
			668595	1443395	3056328			25.0	50.0	100		
Ethylbenzene	CBNZ d5	Ave	++++	51796	93560	243338	478863	++++	1.00	2.00	5.00	10.0
			1158194	2562918	5259908			25.0	50.0	100		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	++++	8764	16612	48058	92527	++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			248513	531492	1135003			25.0	50.0	100		
m,p-Xylene	CBNZ d5	Ave	++++	18831	36146	96002	190305	++++	1.00	2.00	5.00	10.0
			464025	1010950	2051392			25.0	50.0	100		
o-Xylene	CBNZ d5	Ave	++++	20291	34358	97727	195917	++++	1.00	2.00	5.00	10.0
			486309	1042463	2091069			25.0	50.0	100		
Styrene	CBNZ d5	Ave	++++	32024	57652	151120	301066	++++	1.00	2.00	5.00	10.0
			740664	1622839	3352854			25.0	50.0	100		
Bromoform	CBNZ d5	Ave	1578	4732	7700	23757	47788	0.400	1.00	2.00	5.00	10.0
			131353	291050	715536			25.0	50.0	100		
Isopropylbenzene	DCBd 4	Ave	++++	50929	99163	259650	509109	++++	1.00	2.00	5.00	10.0
			1246920	2813720	5728333			25.0	50.0	100		
Bromobenzene	DCBd 4	Ave	3630	12160	22818	57714	119266	0.400	1.00	2.00	5.00	10.0
			291165	615602	1309285			25.0	50.0	100		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	4926	15926	27530	76853	158250	0.400	1.00	2.00	5.00	10.0
			401406	794543	1658060			25.0	50.0	100		
N-Propylbenzene	DCBd 4	Ave	++++	60390	109526	297328	564091	++++	1.00	2.00	5.00	10.0
			1400609	3191294	6514645			25.0	50.0	100		
1,2,3-Trichloropropane	DCBd 4	Ave	1731	4914	9995	26055	52951	0.400	1.00	2.00	5.00	10.0
			132878	260860	530199			25.0	50.0	100		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	++++	5049	7929	24006	48584	++++	1.00	2.00	5.00	10.0
			108952	249164	532050			25.0	50.0	100		
2-Chlorotoluene	DCBd 4	Ave	++++	12946	24381	60381	118008	++++	1.00	2.00	5.00	10.0
			295520	633905	1287659			25.0	50.0	100		
1,3,5-Trimethylbenzene	DCBd 4	Ave	++++	45732	79903	225235	435845	++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

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SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			1087104	2393597	4903196			25.0	50.0	100		
4-Chlorotoluene	DCBd 4	Ave	4045	12002	22866	62258	116419	0.400	1.00	2.00	5.00	10.0
			290899	618305	1275162			25.0	50.0	100		
tert-Butylbenzene	DCBd 4	Ave	++++	8446	17496	46405	89076	++++	1.00	2.00	5.00	10.0
			226696	528250	1073686			25.0	50.0	100		
1,2,4-Trimethylbenzene	DCBd 4	Ave	++++	48788	89147	230262	449803	++++	1.00	2.00	5.00	10.0
			1130992	2462284	4991791			25.0	50.0	100		
sec-Butylbenzene	DCBd 4	Ave	++++	54402	102691	276242	533613	++++	1.00	2.00	5.00	10.0
			1326650	3137452	6366669			25.0	50.0	100		
4-Isopropyltoluene	DCBd 4	Ave	++++	49095	92123	243850	470815	++++	1.00	2.00	5.00	10.0
			1168204	2681505	5468633			25.0	50.0	100		
1,3-Dichlorobenzene	DCBd 4	Ave	7490	25470	44607	124972	245834	0.400	1.00	2.00	5.00	10.0
			584731	1252810	2603722			25.0	50.0	100		
1,4-Dichlorobenzene	DCBd 4	Ave	++++	25670	47857	129305	245204	++++	1.00	2.00	5.00	10.0
			586937	1248062	2662615			25.0	50.0	100		
n-Butylbenzene	DCBd 4	Ave	++++	47822	80320	224802	425782	++++	1.00	2.00	5.00	10.0
			1044728	2434474	4967670			25.0	50.0	100		
1,2-Dichlorobenzene	DCBd 4	Ave	++++	27310	48881	132782	254002	++++	1.00	2.00	5.00	10.0
			625421	1290103	2625390			25.0	50.0	100		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1249	3862	5828	16081	34466	0.400	1.00	2.00	5.00	10.0
			89171	191929	405139			25.0	50.0	100		
1,2,4-Trichlorobenzene	DCBd 4	Ave	6987	23592	40814	104374	200951	0.400	1.00	2.00	5.00	10.0
			504089	1069523	2160243			25.0	50.0	100		
Hexachlorobutadiene	DCBd 4	Ave	++++	9770	16977	45625	84386	++++	1.00	2.00	5.00	10.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			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
			209863	493699	984442			25.0	50.0	100		
Naphthalene	DCBd 4	Ave	++++	69975	133546	334537	678887	++++	1.00	2.00	5.00	10.0
			1750654	3589566	7146941			25.0	50.0	100		
1,2,3-Trichlorobenzene	DCBd 4	Ave	++++	23760	40521	104759	193752	++++	1.00	2.00	5.00	10.0
			500716	1041588	2079124			25.0	50.0	100		
Dibromofluoromethane (Surr)	FB	Ave	257502	272680	266802	263012	278566	25.0	25.0	25.0	25.0	25.0
			281264	274368	276658			25.0	25.0	25.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	155923	164123	158966	161180	165744	25.0	25.0	25.0	25.0	25.0
			170590	155296	162041			25.0	25.0	25.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	811772	853472	829179	879611	892555	25.0	25.0	25.0	25.0	25.0
			891631	898237	922608			25.0	25.0	25.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	230909	250716	238388	258280	265758	25.0	25.0	25.0	25.0	25.0
			263781	281394	283617			25.0	25.0	25.0		

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604814

SDG No.: _____

Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604814/6	C0378.D
Level 2	IC 480-604814/7	C0379.D
Level 3	IC 480-604814/8	C0380.D
Level 4	IC 480-604814/9	C0381.D
Level 5	IC 480-604814/10	C0382.D
Level 6	ICIS 480-604814/11	C0383.D
Level 7	IC 480-604814/12	C0384.D
Level 8	IC 480-604814/13	C0385.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dichlorodifluoromethane	3.9						30					
Chloromethane	4.4						30					
Vinyl chloride	4.2						30					
Butadiene	13.0						30					
Bromomethane	++++	21.5						30				
Chloroethane	++++	28.7						30				
Dichlorofluoromethane	++++	10.0						30				
Trichlorofluoromethane	3.9						30					
Ethyl ether	-16.8						30					
Acrolein	++++	-10.6						30				
1,1,2-Trichloro-1,2,2-trifluoroethane	++++	9.4						30				
1,1-Dichloroethene	++++	4.9						30				
Acetone	++++	-8.7						30				
Iodomethane	-9.3						30					
Carbon disulfide	++++	8.2						30				

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

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Instrument ID: HP5973C GC Column: ZB-624 (20) ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/13/2021 17:13 Calibration End Date: 11/13/2021 19:53 Calibration ID: 42711

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
Allyl chloride	+++++	23.4						30				
Methyl acetate	10.8						30					
Methylene Chloride	+++++	-0.3						30				
2-Methyl-2-propanol	-1.1						30					
Methyl tert-butyl ether	+++++	10.9						30				
trans-1,2-Dichloroethene	-7.8						30					
Acrylonitrile	-8.5						30					
Hexane	+++++	0.8						30				
1,1-Dichloroethane	-18.4						30					
Vinyl acetate	-15.2						30					
2,2-Dichloropropane	-21.0						30					
cis-1,2-Dichloroethene	-19.1						30					
2-Butanone (MEK)	-3.6						30					
Chlorobromomethane	1.8						30					
Tetrahydrofuran	10.5						30					
Chloroform	3.5						30					
1,1,1-Trichloroethane	+++++	9.8						30				
Cyclohexane	+++++	-0.1						30				
Carbon tetrachloride	+++++	5.7						30				
1,1-Dichloropropene	+++++	7.0						30				
Benzene	-18.6						30					

FORM VI
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ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Isobutyl alcohol	-1.8						30					
1,2-Dichloroethane	-6.4						30					
n-Heptane	-23.3						30					
Trichloroethene	-21.4						30					
Methylcyclohexane	+++++	8.7						30				
1,2-Dichloropropane	+++++	3.9						30				
Dibromomethane	+++++	11.1						30				
1,4-Dioxane	-3.1						30					
Bromodichloromethane	-19.8						30					
2-Chloroethyl vinyl ether	+++++	17.1						30				
cis-1,3-Dichloropropene	+++++	3.6						30				
4-Methyl-2-pentanone (MIBK)	-16.7						30					
Toluene	-19.4						30					
trans-1,3-Dichloropropene	-16.1						30					
Ethyl methacrylate	+++++	-2.1						30				
1,1,2-Trichloroethane	+++++	10.8						30				
Tetrachloroethene	+++++	8.7						30				
1,3-Dichloropropane	-12.2						30					
2-Hexanone	+++++	1.9						30				
Dibromochloromethane	+++++	-0.3						30				
1,2-Dibromoethane	-14.3						30					

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	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
Chlorobenzene	-15.2						30					
Ethylbenzene	++++	8.9						30				
1,1,1,2-Tetrachloroethane	++++	-6.0						30				
m,p-Xylene	++++	1.8						30				
o-Xylene	++++	7.0						30				
Styrene	++++	7.3						30				
Bromoform	-16.0						30					
Isopropylbenzene	++++	-0.8						30				
Bromobenzene	-19.6						30					
1,1,2,2-Tetrachloroethane	-16.5						30					
N-Propylbenzene	++++	3.7						30				
1,2,3-Trichloropropane	-12.0						30					
trans-1,4-Dichloro-2-butene	++++	8.2						30				
2-Chlorotoluene	++++	7.1						30				
1,3,5-Trimethylbenzene	++++	3.8						30				
4-Chlorotoluene	-11.6						30					
tert-Butylbenzene	++++	-8.2						30				
1,2,4-Trimethylbenzene	++++	6.0						30				
sec-Butylbenzene	++++	-1.3						30				
4-Isopropyltoluene	++++	1.4						30				
1,3-Dichlorobenzene	-19.0						30					

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	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-Dichlorobenzene	+++++	4.8						30				
n-Butylbenzene	+++++	8.2						30				
1,2-Dichlorobenzene	+++++	7.9						30				
1,2-Dibromo-3-Chloropropane	-8.1						30					
1,2,4-Trichlorobenzene	-13.0						30					
Hexachlorobutadiene	+++++	9.1						30				
Naphthalene	+++++	3.1						30				
1,2,3-Trichlorobenzene	+++++	16.2						30				
Dibromofluoromethane (Surr)	-2.1						30					
1,2-Dichloroethane-d4 (Surr)	-0.5						30					
Toluene-d8 (Surr)	-0.9						30					
4-Bromofluorobenzene (Surr)	-5.0						30					

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
 Lims ID: IC 0.4
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 13-Nov-2021 17:13:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 0.4
 Misc. Info.: 480-0102400-006
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:57:38 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 08:38:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	99	199347	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	345316	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	96	362060	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.261	4.262	-0.001	93	257502	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	99	155923	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	811772	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.971	7.972	-0.001	88	230909	25.0	23.8	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	91	3444	0.4000	0.4155	Ma
12 Chloromethane	50	1.194	1.194	0.000	66	5190	0.4000	0.4178	
13 Vinyl chloride	62	1.287	1.287	0.000	67	4524	0.4000	0.4170	
151 Butadiene	54	1.298	1.298	0.000	90	5019	0.4000	0.4519	
14 Bromomethane	94	1.557	1.557	0.000	71	5008	0.4000	0.6715	
15 Chloroethane	64	1.629	1.629	0.000	66	4375	0.4000	0.6269	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	93	8377	0.4000	0.5059	
17 Trichlorofluoromethane	101	1.837	1.847	-0.010	68	5274	0.4000	0.4154	
18 Ethyl ether	59	2.116	2.116	0.000	70	3666	0.4000	0.3328	
20 Acrolein	56	2.303	2.293	0.010	0	1894	2.00	-2.42	M
21 112TCTFE	101	2.313	2.313	0.000	62	1925	0.4000	0.2010	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	94	2456	0.4000	0.2515	
23 Acetone	43	2.448	2.448	0.000	0	15658	2.00	-1.97	M
25 Iodomethane	142	2.489	2.479	0.010	65	6532	0.4000	0.3626	
26 Carbon disulfide	76	2.520	2.510	0.010	85	8573	0.4000	0.2619	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	90	5636	0.4000	0.2768	
27 Methyl acetate	43	2.728	2.718	0.010	98	12832	0.8000	0.8864	
30 Methylene Chloride	84	2.821	2.811	0.010	93	3790	0.4000	0.0776	
31 2-Methyl-2-propanol	59	2.987	2.977	0.010	28	9114	4.00	3.95	M
32 Methyl tert-butyl ether	73	2.997	3.008	-0.011	93	10914	0.4000	0.3067	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	95	4287	0.4000	0.3689	
33 Acrylonitrile	53	3.070	3.070	0.000	0	26662	4.00	3.66	M
35 Hexane	57	3.194	3.194	0.000	87	3564	0.4000	0.2203	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	0	6735	0.4000	0.3266	M
37 Vinyl acetate	43	3.443	3.443	0.000	97	18930	0.8000	0.6786	
44 2,2-Dichloropropane	77	3.847	3.837	0.010	51	2954	0.4000	0.3162	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	34	4144	0.4000	0.3235	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	0	17644	2.00	1.93	M
48 Chlorobromomethane	128	4.065	4.065	0.000	92	2906	0.4000	0.4073	
49 Tetrahydrofuran	42	4.085	4.085	0.000	80	5688	0.8000	0.8838	
50 Chloroform	83	4.137	4.137	0.000	90	8627	0.4000	0.4139	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	57	4717	0.4000	0.2972	
52 Cyclohexane	56	4.230	4.231	0.000	65	4618	0.4000	0.2308	
55 Carbon tetrachloride	117	4.344	4.334	0.010	65	2868	0.4000	0.2329	
54 1,1-Dichloropropene	75	4.344	4.345	0.000	91	3933	0.4000	0.2656	
57 Benzene	78	4.521	4.521	0.000	43	13978	0.4000	0.3258	
53 Isobutyl alcohol	43	4.541	4.531	0.010	57	8303	10.0	9.82	
58 1,2-Dichloroethane	62	4.572	4.572	0.000	93	6114	0.4000	0.3745	a
59 n-Heptane	43	4.655	4.655	0.000	82	5465	0.4000	0.3069	
62 Trichloroethene	95	5.008	5.008	0.000	94	3475	0.4000	0.3145	
64 Methylcyclohexane	83	5.101	5.101	0.000	89	3483	0.4000	0.1834	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	0	2890	0.4000	0.2719	M
66 1,4-Dioxane	88	5.319	5.308	0.010	0	1188	8.00	7.75	M
67 Dibromomethane	93	5.308	5.308	0.000	0	1965	0.4000	0.2650	M
68 Dichlorobromomethane	83	5.422	5.422	0.000	94	3909	0.4000	0.3209	
69 2-Chloroethyl vinyl ether	63	5.640	5.630	0.010	84	2054	0.4000	0.2985	
72 cis-1,3-Dichloropropene	75	5.743	5.744	-0.001	88	3916	0.4000	0.2599	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	97	27276	2.00	1.67	
74 Toluene	92	5.961	5.961	0.000	0	7459	0.4000	0.3223	M
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	83	4008	0.4000	0.3356	
75 Ethyl methacrylate	69	6.199	6.199	0.000	82	3923	0.4000	0.2976	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	0	2266	0.4000	0.3038	M
81 Tetrachloroethene	166	6.376	6.376	0.000	90	2848	0.4000	0.2852	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	0	4944	0.4000	0.3511	M
80 2-Hexanone	43	6.490	6.490	0.000	95	16037	2.00	1.47	
83 Chlorodibromomethane	129	6.624	6.624	0.000	0	1712	0.4000	0.2199	M
84 Ethylene Dibromide	107	6.707	6.707	0.000	0	3211	0.4000	0.3428	M
87 Chlorobenzene	112	7.060	7.060	0.000	94	8655	0.4000	0.3394	
88 Ethylbenzene	91	7.122	7.122	0.000	98	13487	0.4000	0.2937	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	0	2314	0.4000	0.2572	M
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	0	5213	0.4000	0.2918	M
91 o-Xylene	106	7.536	7.536	0.000	97	5427	0.4000	0.2963	
92 Styrene	104	7.557	7.557	0.000	95	7731	0.4000	0.2683	
95 Bromoform	173	7.743	7.744	-0.001	6	1578	0.4000	0.3360	
94 Isopropylbenzene	105	7.816	7.816	0.000	0	12858	0.4000	0.2539	M
101 Bromobenzene	156	8.096	8.096	0.000	0	3630	0.4000	0.3215	M
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	0	4926	0.4000	0.3339	M
99 N-Propylbenzene	91	8.148	8.148	0.000	98	15388	0.4000	0.2679	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	0	1731	0.4000	0.3518	M
98 trans-1,4-Dichloro-2-butene	53	8.168	8.158	0.010	41	1237	0.4000	0.2687	
103 2-Chlorotoluene	126	8.241	8.241	0.000	96	3744	0.4000	0.3138	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	96	11511	0.4000	0.2649	
105 4-Chlorotoluene	126	8.324	8.324	0.000	94	4045	0.4000	0.3534	
106 tert-Butylbenzene	134	8.552	8.552	0.000	90	2489	0.4000	0.2743	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	95	12932	0.4000	0.2848	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	13261	0.4000	0.2439	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	12387	0.4000	0.2593	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	93	7490	0.4000	0.3242	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	90	7517	0.4000	0.3111	
115 n-Butylbenzene	91	9.184	9.184	0.000	95	12944	0.4000	0.2969	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	94	7360	0.4000	0.2948	
117 1,2-Dibromo-3-Chloropropane	75	9.899	9.909	-0.010	0	1249	0.4000	0.3678	M
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	90	6987	0.4000	0.3478	
120 Hexachlorobutadiene	225	10.655	10.666	-0.011	82	2163	0.4000	0.2449	
121 Naphthalene	128	10.769	10.770	-0.001	98	19469	0.4000	0.2908	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	95	6231	0.4000	0.3089	
S 123 Total BTEX	1				0			1.53	
S 124 Xylenes, Total	1				0			0.5881	
S 126 1,3-Dichloropropene, Total	1				0			0.5955	
S 125 1,2-Dichloroethene, Total	1				0			0.6924	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 0.40

Units: uL

GAS CORP mix_00480

Amount Added: 0.40

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D

Injection Date: 13-Nov-2021 17:13:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: IC 0.4

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

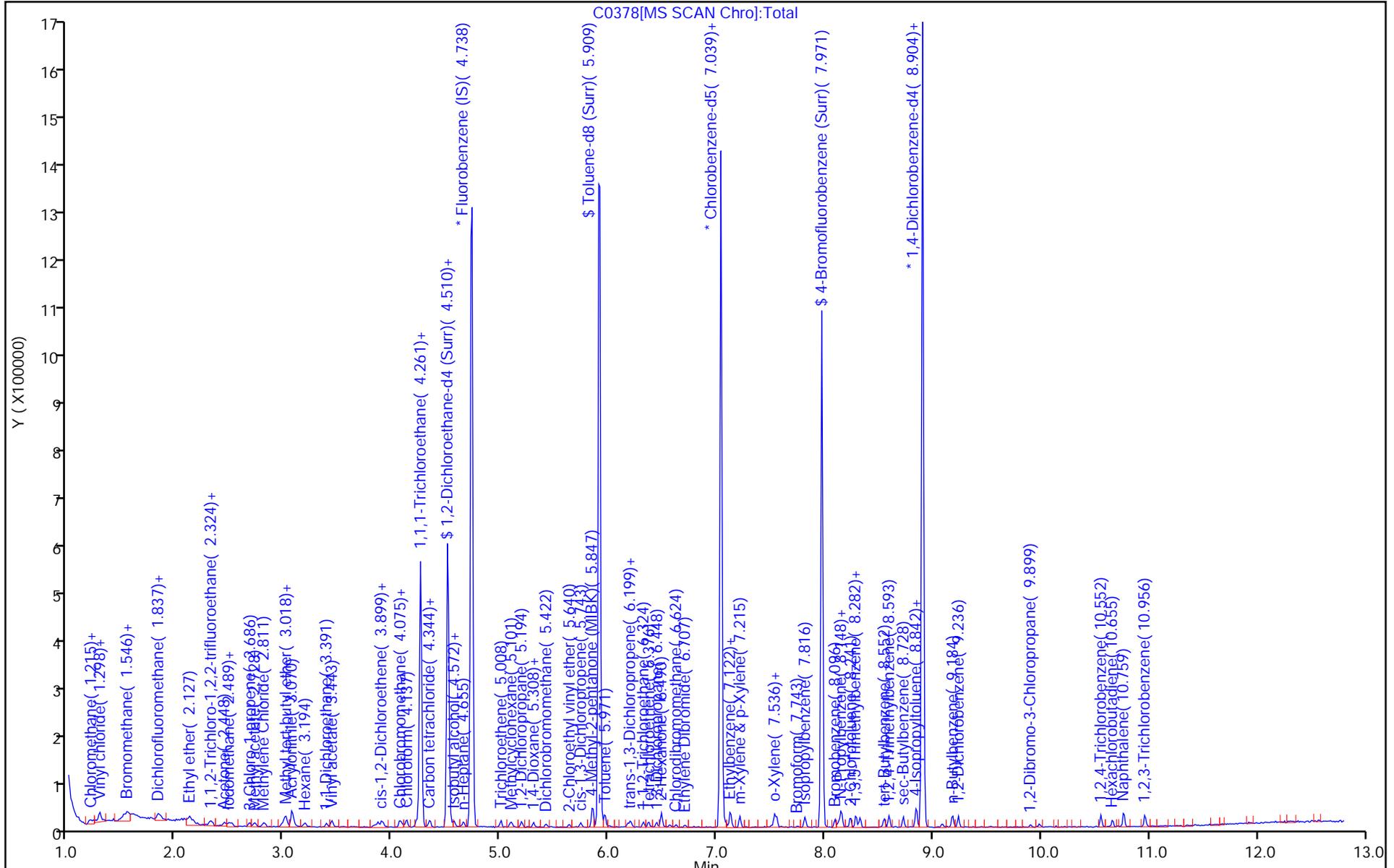
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

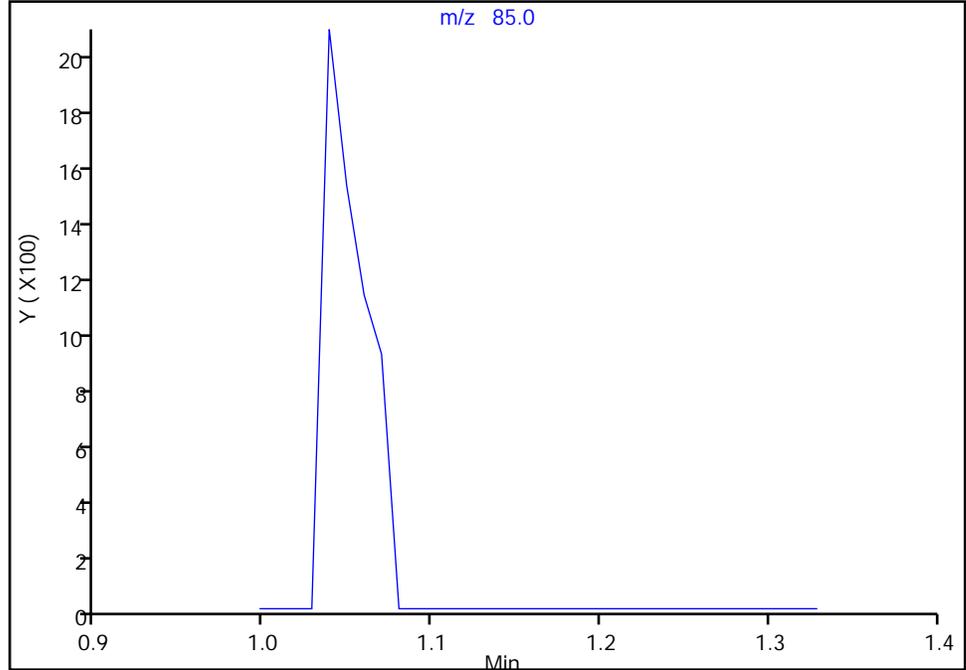
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

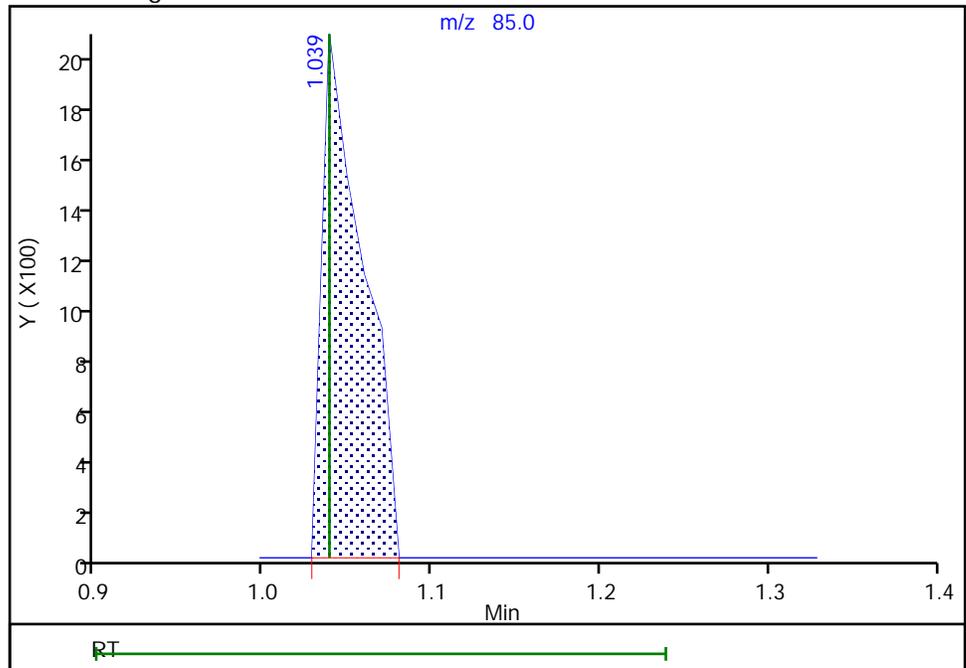
Not Detected
Expected RT: 1.04

Processing Integration Results



RT: 1.04
Area: 3444
Amount: 0.415523
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:36:16
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

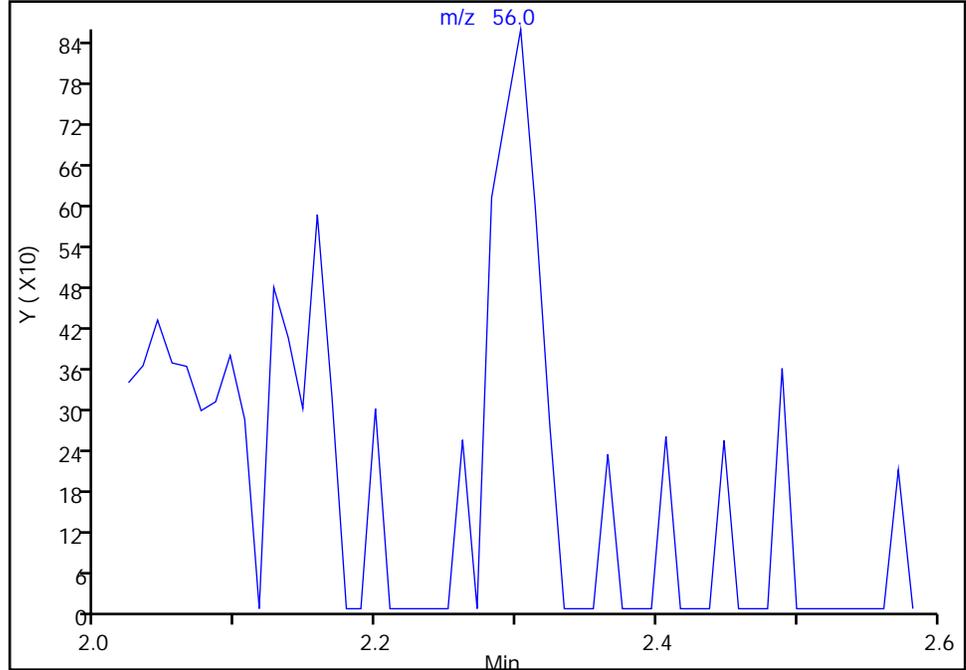
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

20 Acrolein, CAS: 107-02-8

Signal: 1

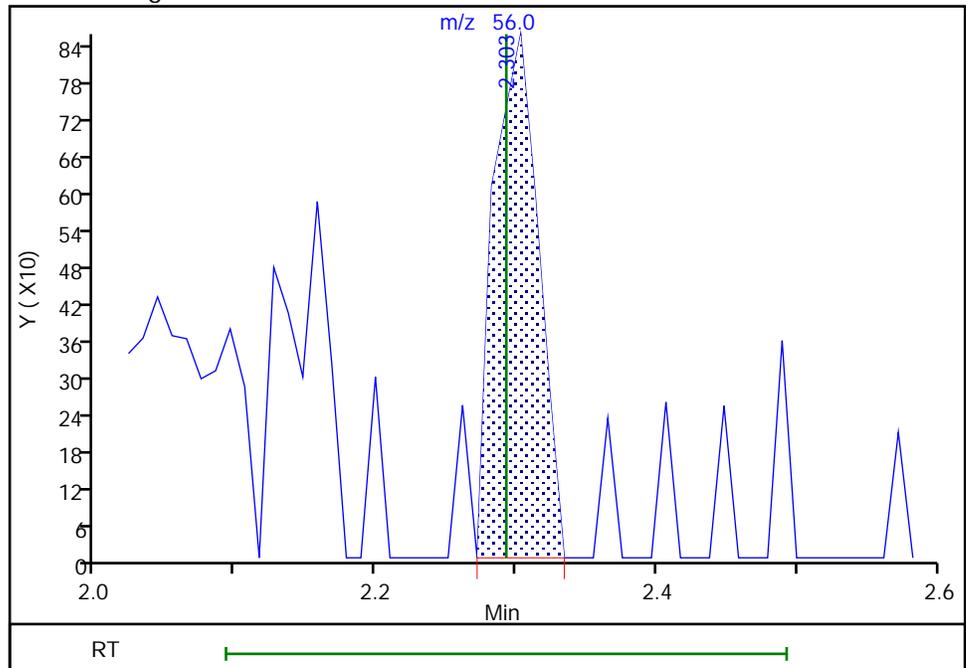
Not Detected
Expected RT: 2.29

Processing Integration Results



Manual Integration Results

RT: 2.30
Area: 1894
Amount: -2.416375
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:36:31
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

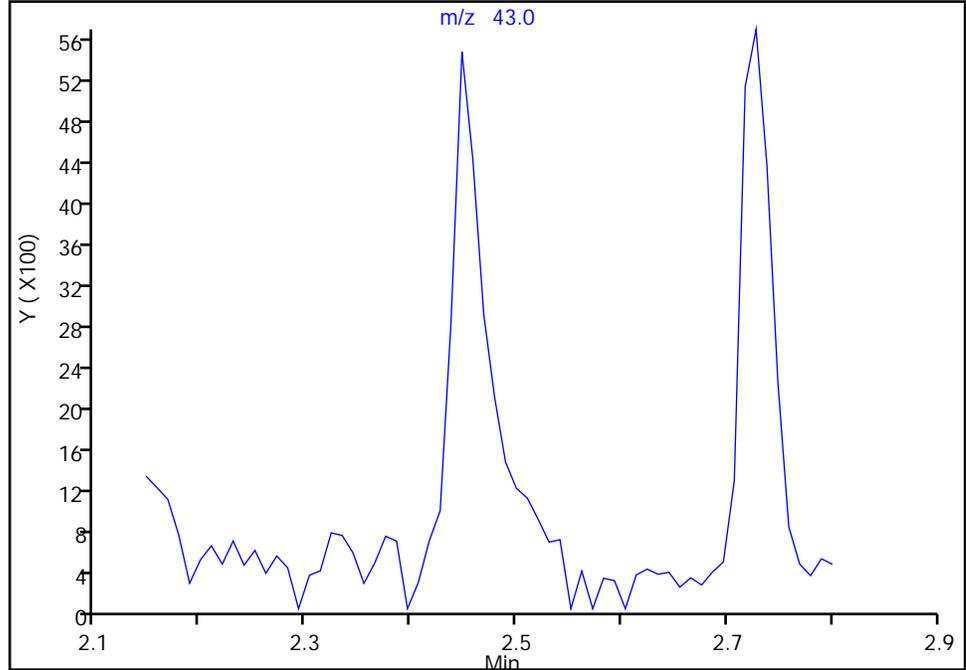
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
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Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

23 Acetone, CAS: 67-64-1

Signal: 1

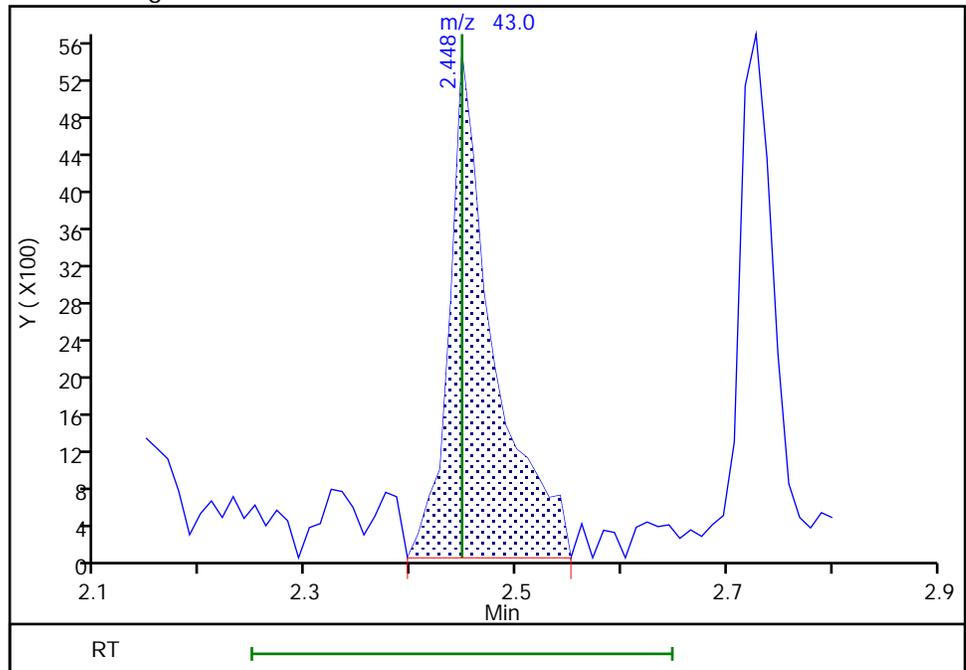
Not Detected
Expected RT: 2.45

Processing Integration Results



Manual Integration Results

RT: 2.45
Area: 15658
Amount: -1.974826
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:36:37
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

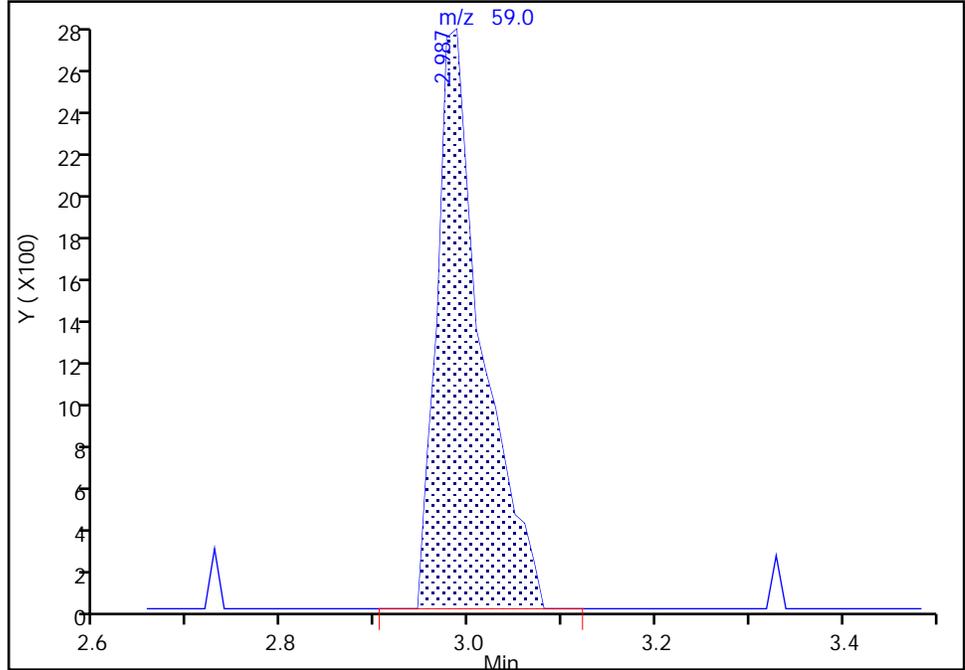
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

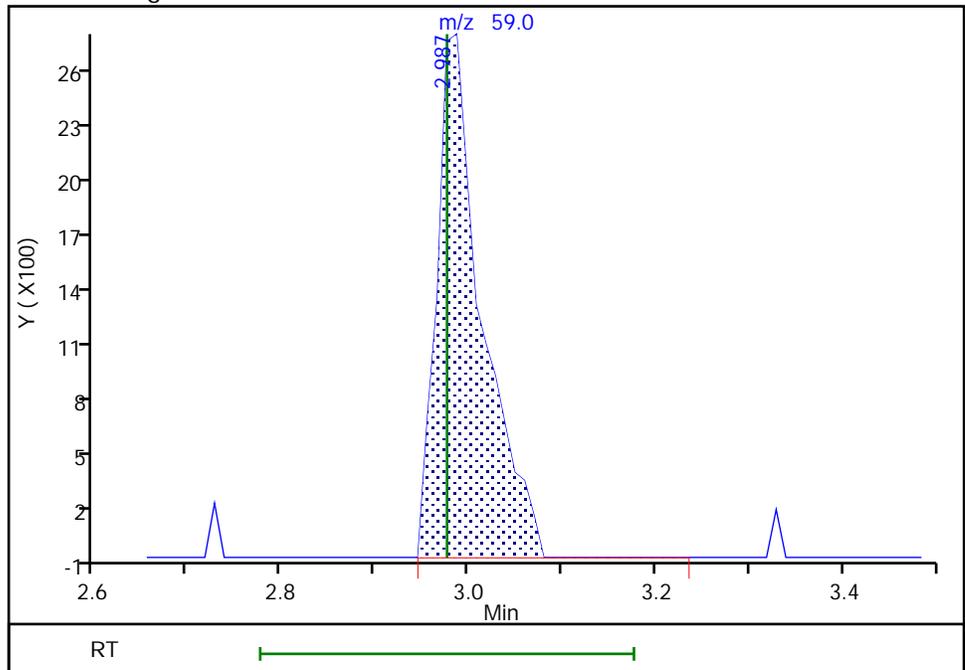
RT: 2.99
Area: 9077
Amount: 4.059666
Amount Units: ug/L

Processing Integration Results



RT: 2.99
Area: 9114
Amount: 3.954652
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

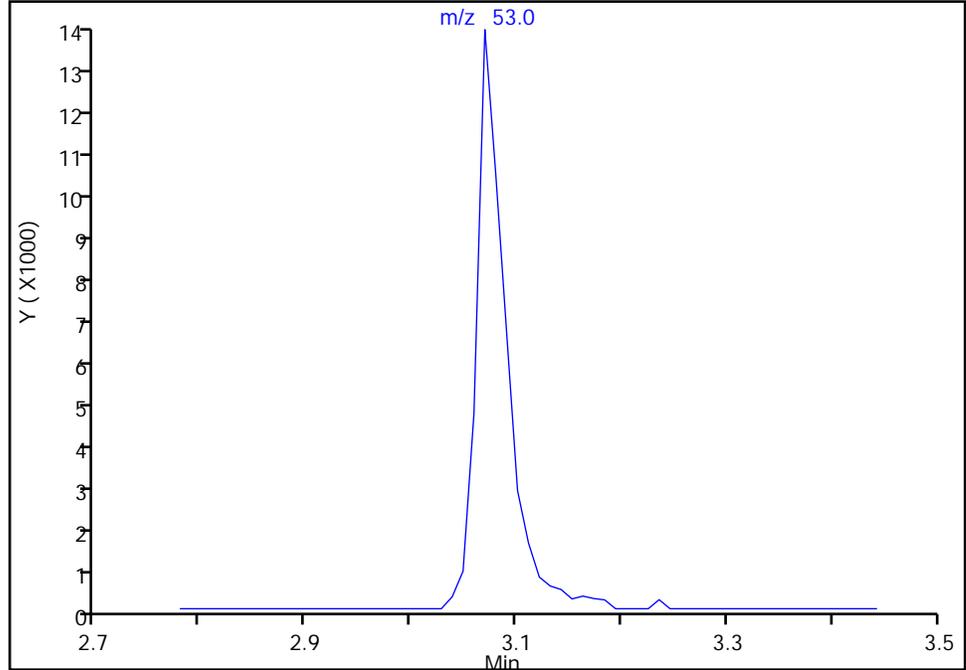
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

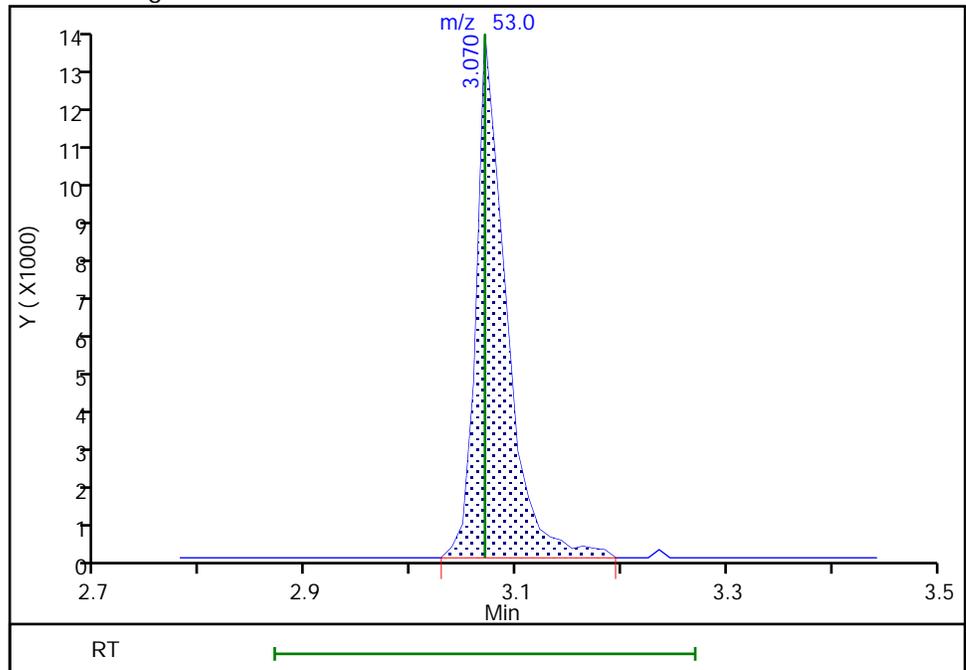
Not Detected
Expected RT: 3.07

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 26662
Amount: 3.660107
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:36:55
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

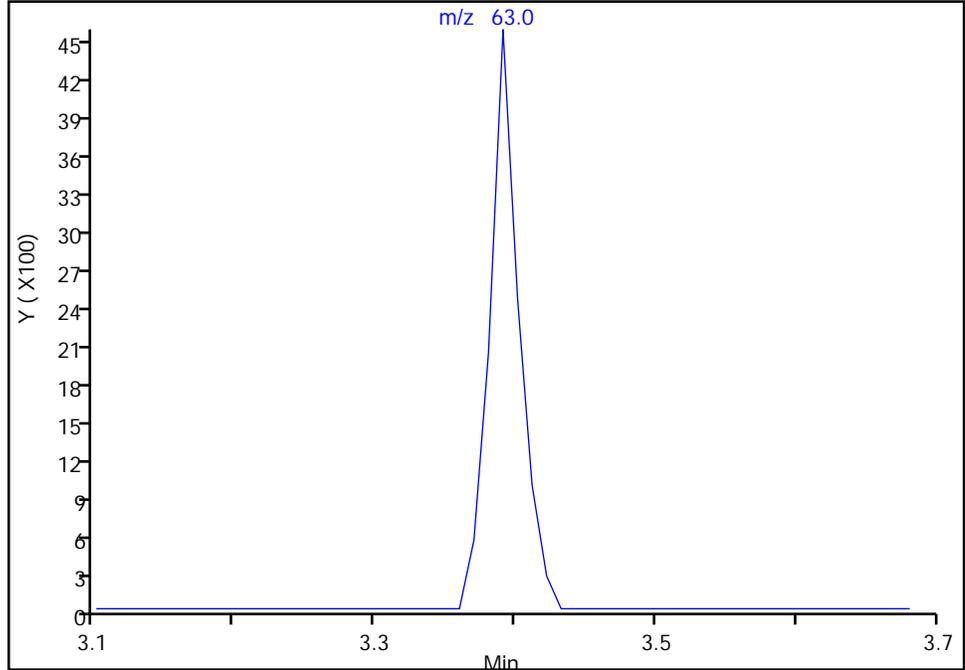
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

39 1,1-Dichloroethane, CAS: 75-34-3

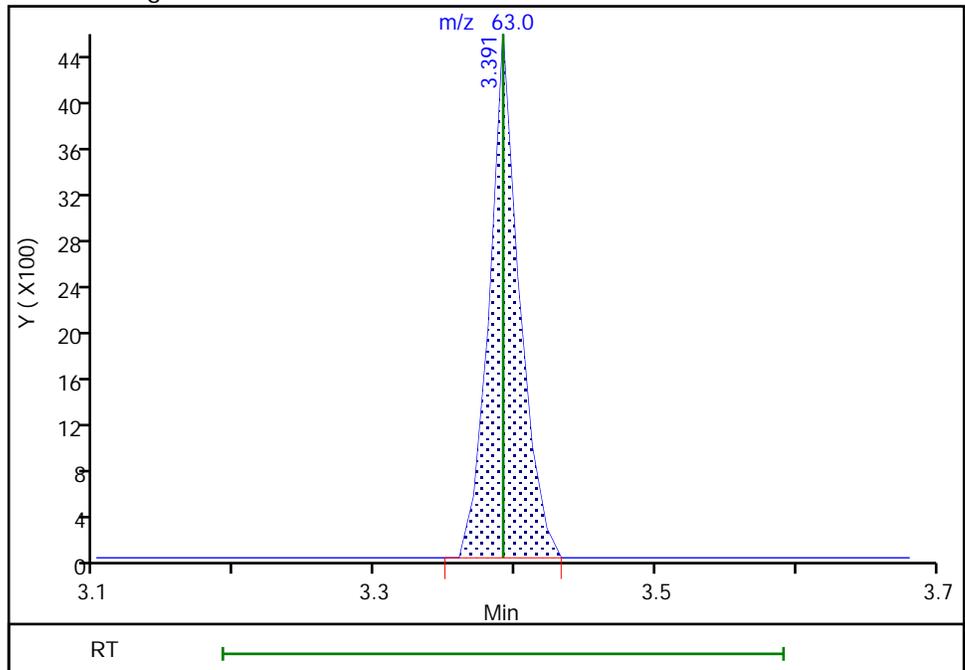
Signal: 1

Not Detected
Expected RT: 3.39

Processing Integration Results



Manual Integration Results



RT: 3.39
Area: 6735
Amount: 0.326575
Amount Units: ug/L

Eurofins TestAmerica, Buffalo

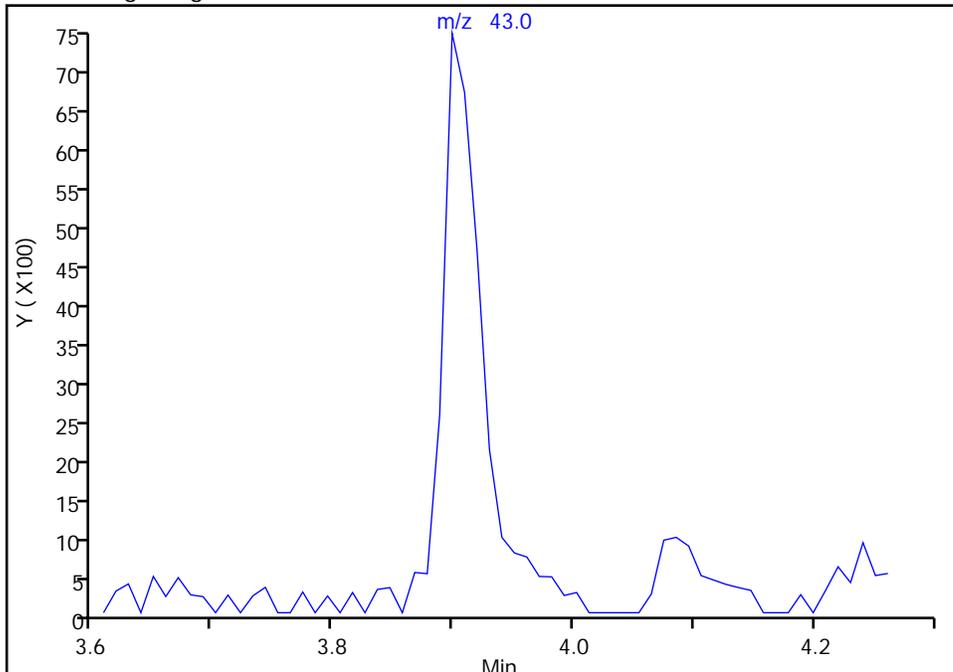
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

43 2-Butanone (MEK), CAS: 78-93-3

Signal: 1

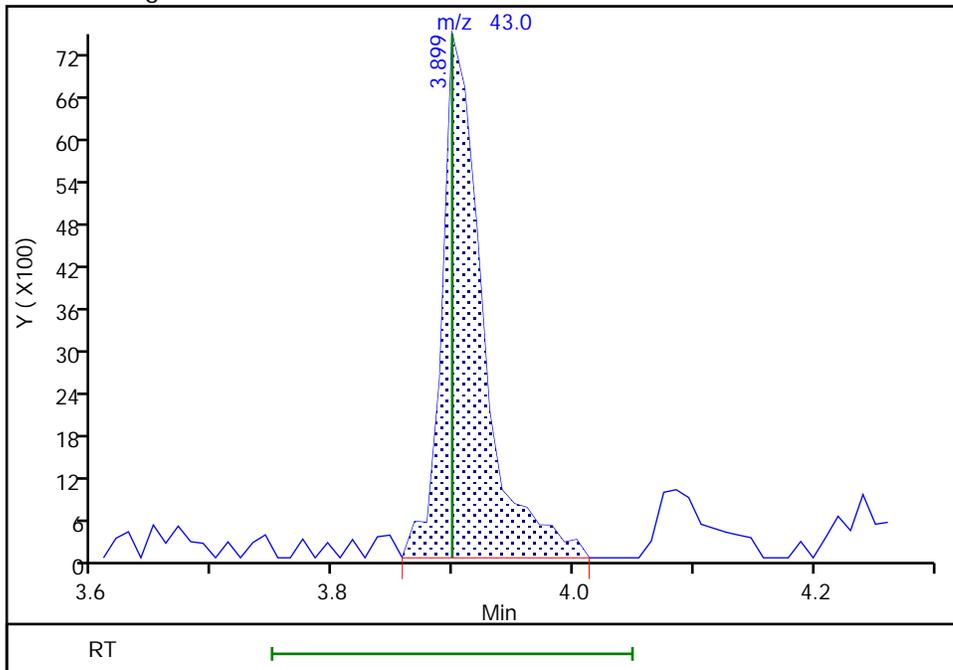
Not Detected
Expected RT: 3.90

Processing Integration Results



Manual Integration Results

RT: 3.90
Area: 17644
Amount: 1.928692
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:37:07
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

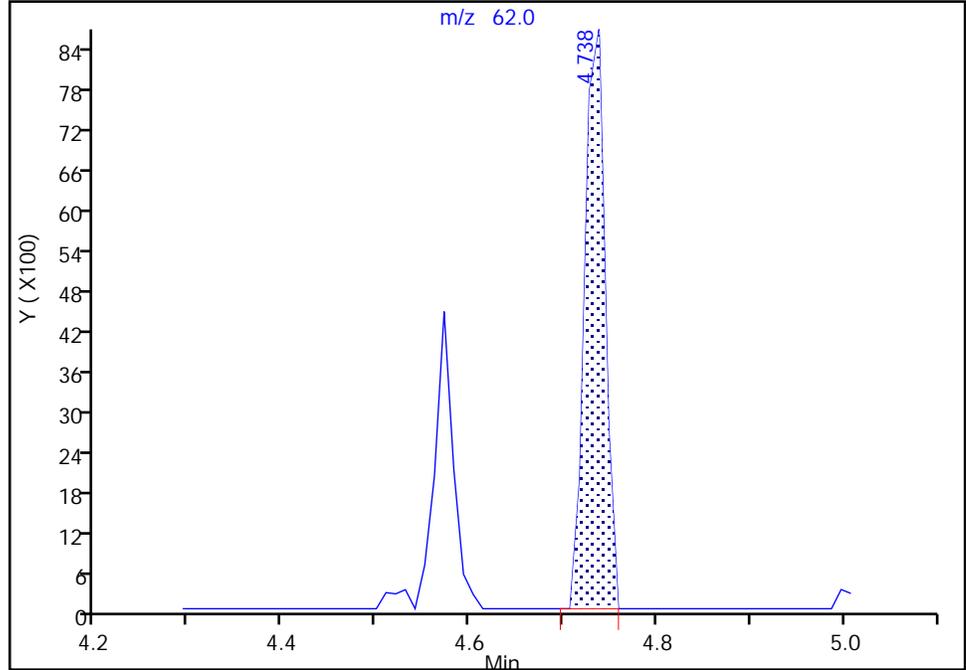
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

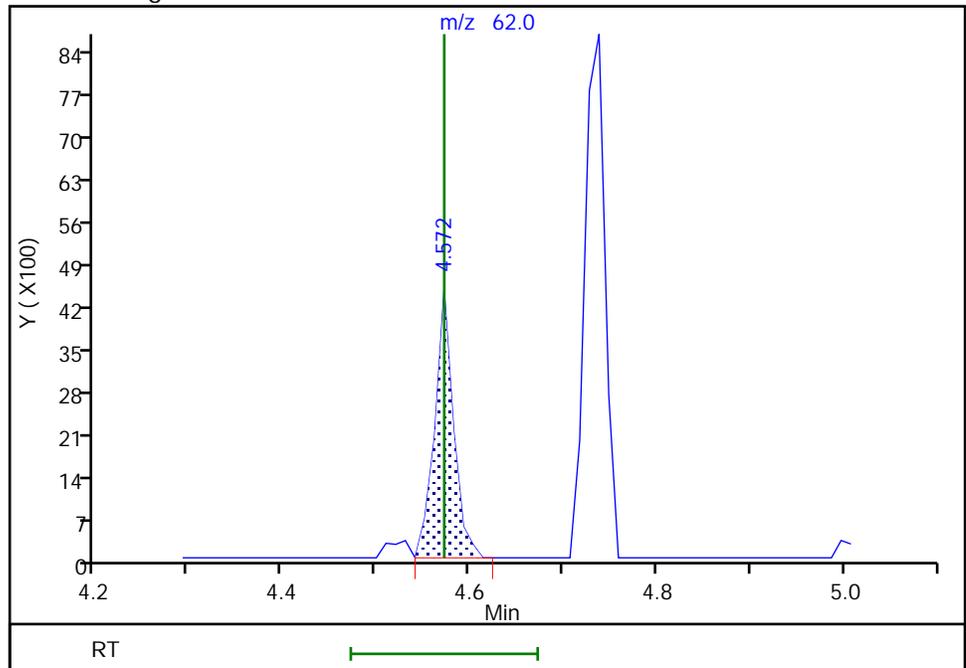
RT: 4.74
Area: 12995
Amount: 0.481006
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 6114
Amount: 0.374529
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:21:13
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

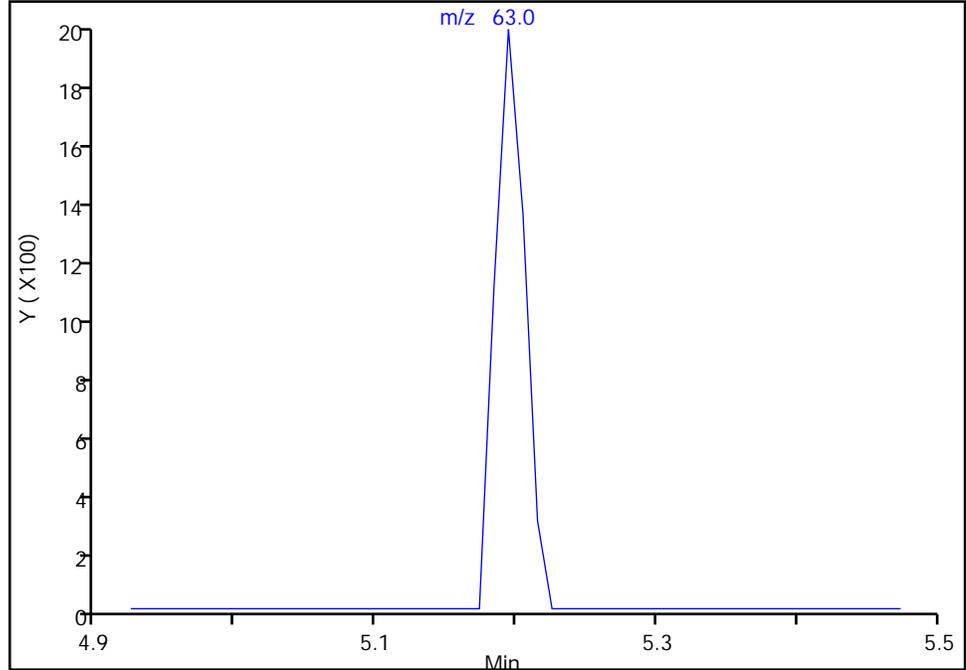
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Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

65 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

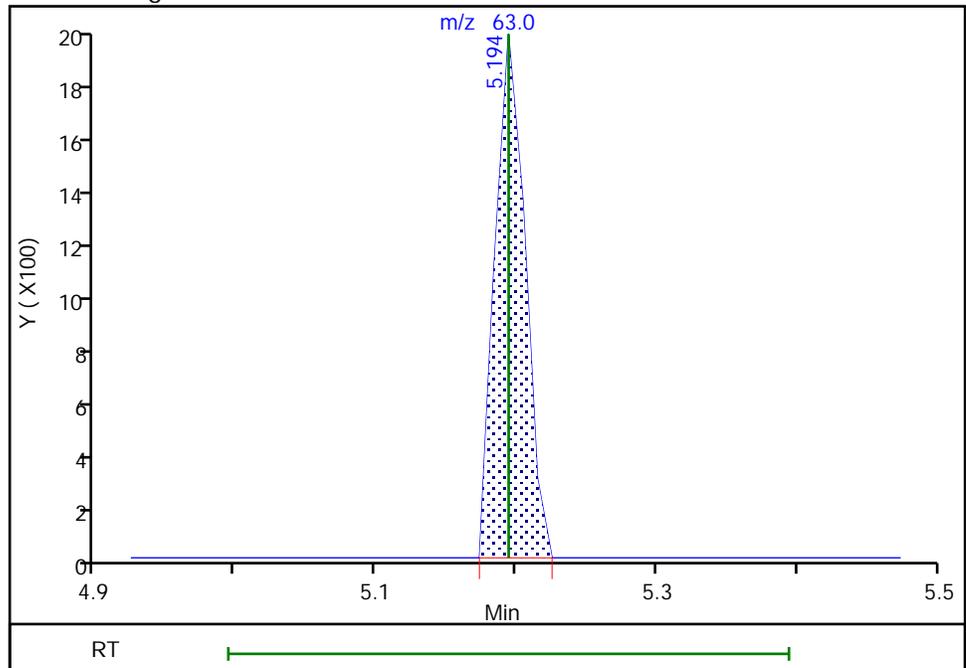
Not Detected
Expected RT: 5.19

Processing Integration Results



RT: 5.19
Area: 2890
Amount: 0.271892
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:37:18
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

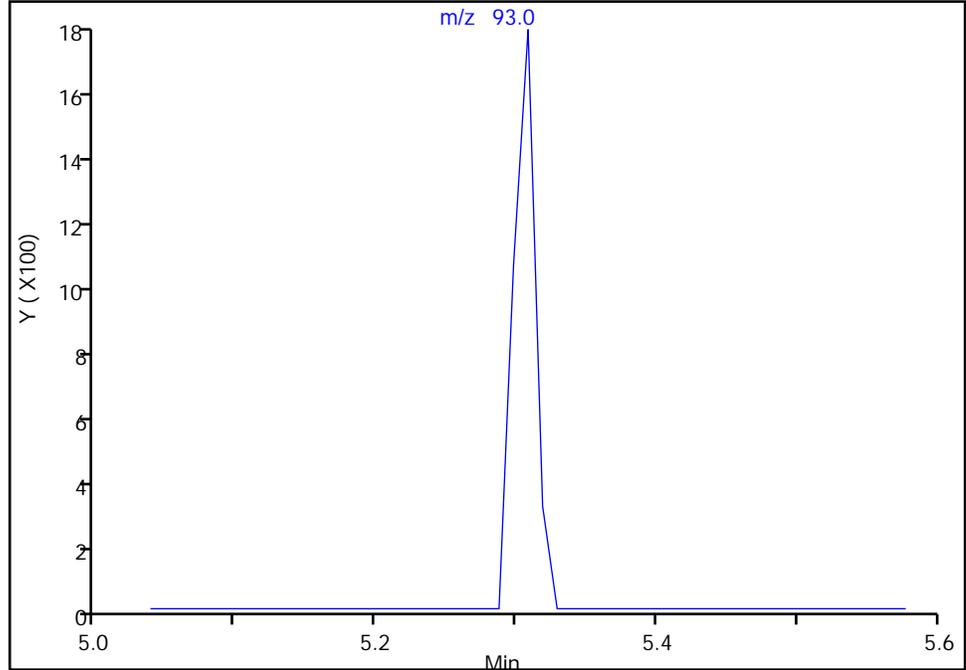
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

67 Dibromomethane, CAS: 74-95-3

Signal: 1

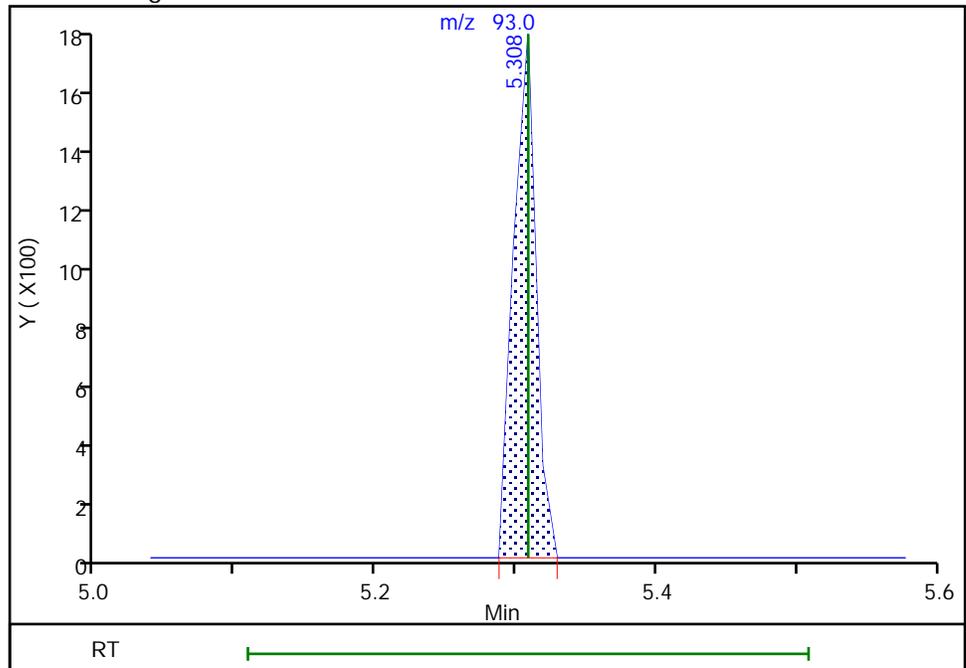
Not Detected
Expected RT: 5.31

Processing Integration Results



Manual Integration Results

RT: 5.31
Area: 1965
Amount: 0.264973
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:37:29
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

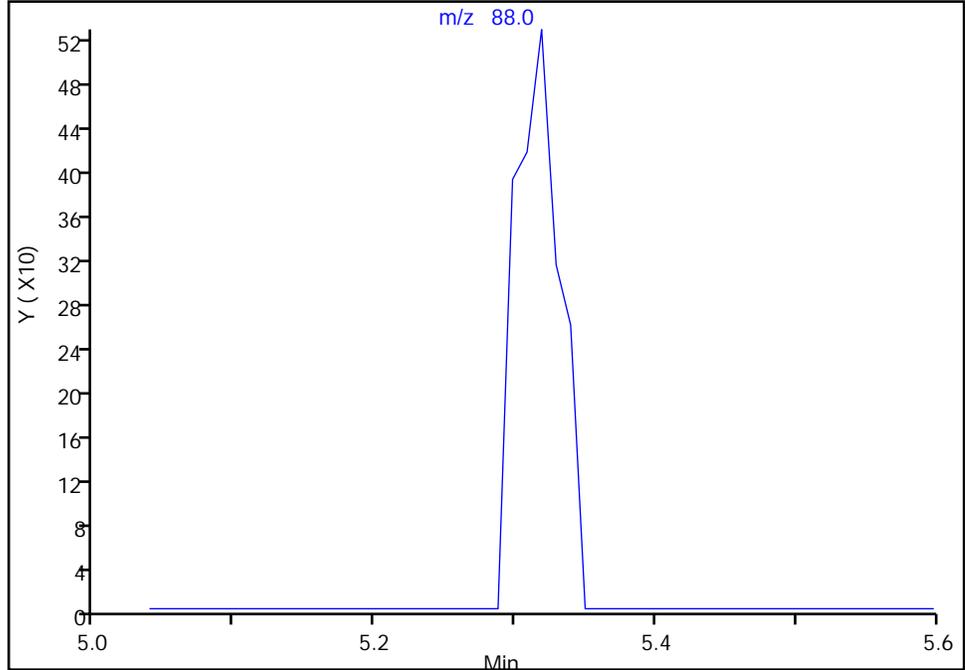
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

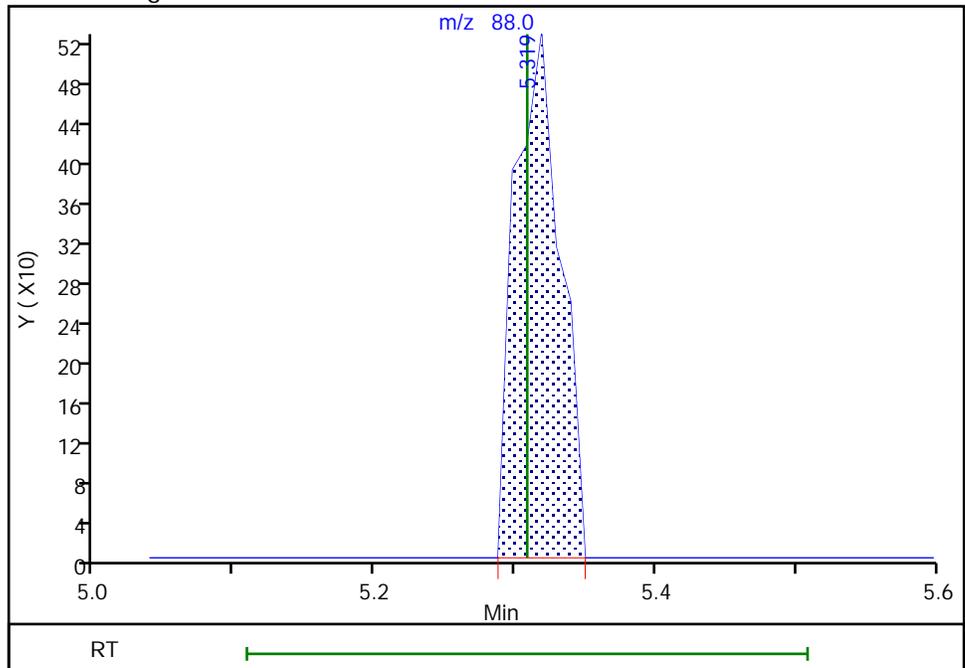
Not Detected
Expected RT: 5.31

Processing Integration Results



Manual Integration Results

RT: 5.32
Area: 1188
Amount: 7.751586
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:37:25
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

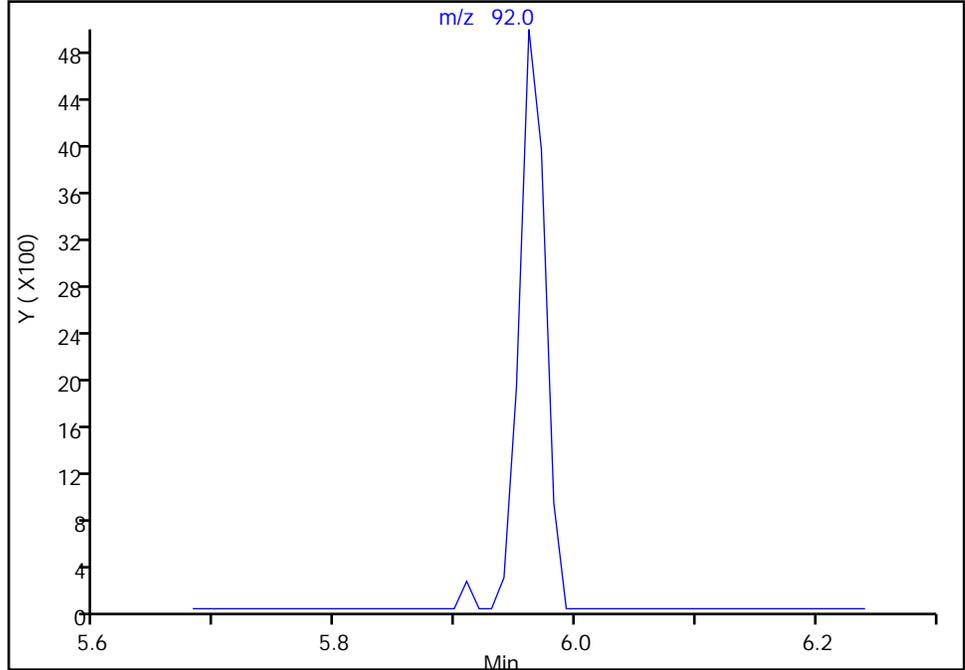
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Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

74 Toluene, CAS: 108-88-3

Signal: 1

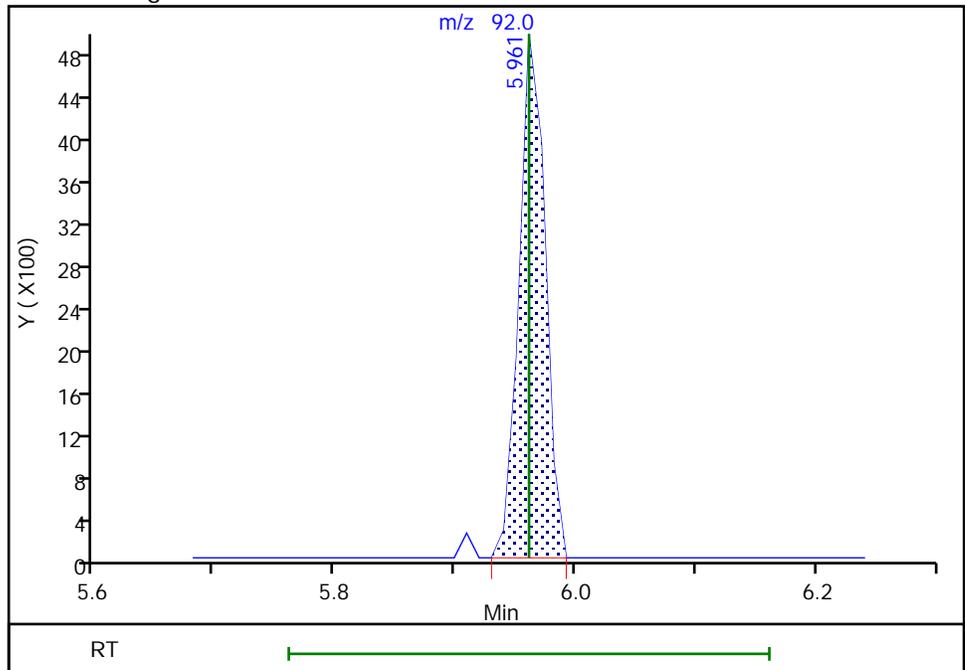
Not Detected
Expected RT: 5.96

Processing Integration Results



Manual Integration Results

RT: 5.96
Area: 7459
Amount: 0.322338
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:37:38
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

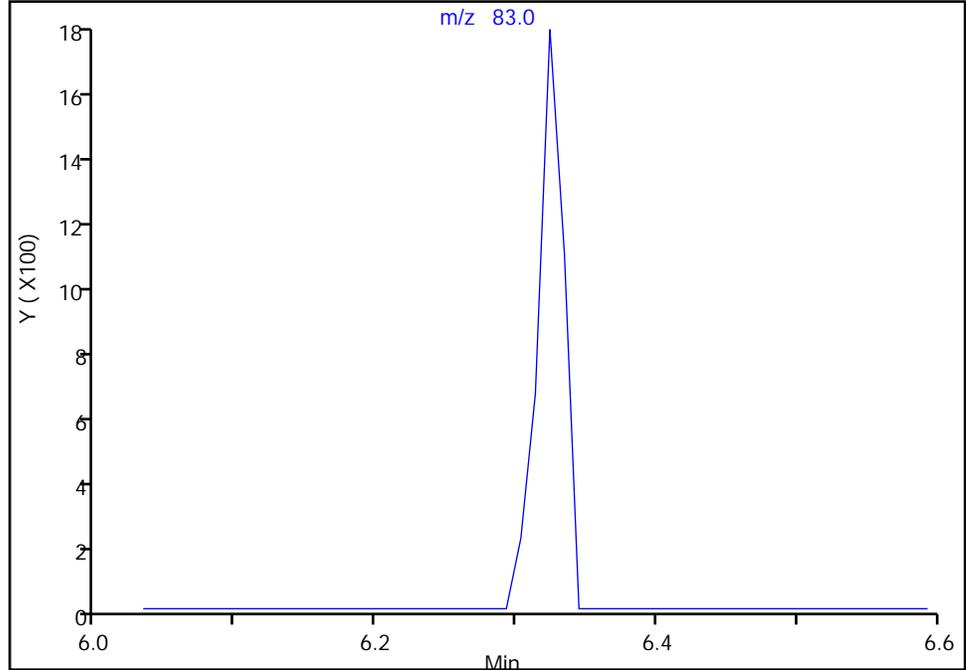
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

79 1,1,2-Trichloroethane, CAS: 79-00-5

Signal: 1

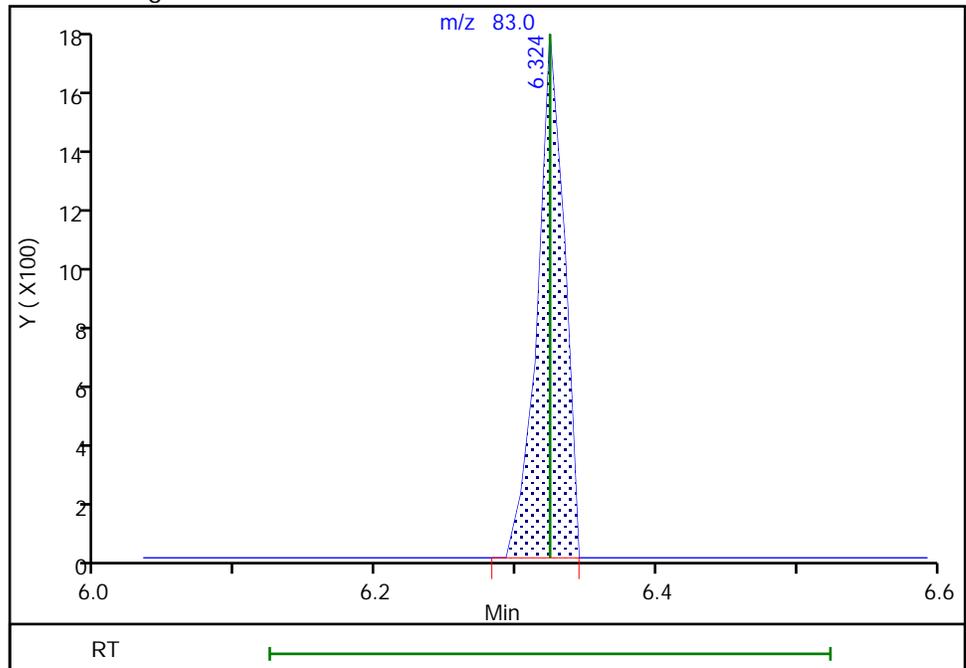
Not Detected
Expected RT: 6.32

Processing Integration Results



Manual Integration Results

RT: 6.32
Area: 2266
Amount: 0.303779
Amount Units: ug/L



Eurofins TestAmerica, Buffalo

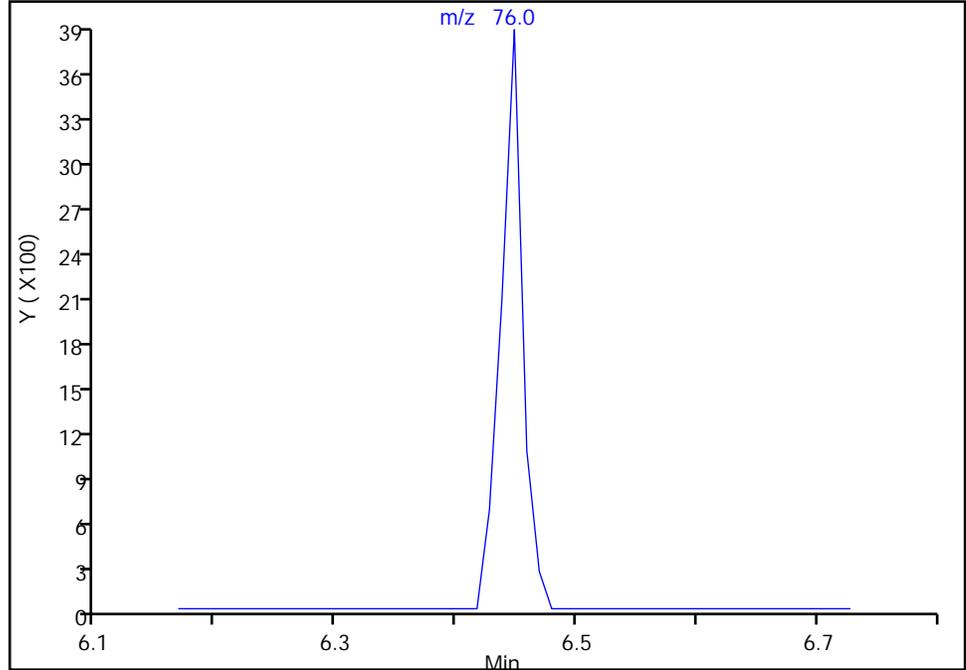
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

82 1,3-Dichloropropane, CAS: 142-28-9

Signal: 1

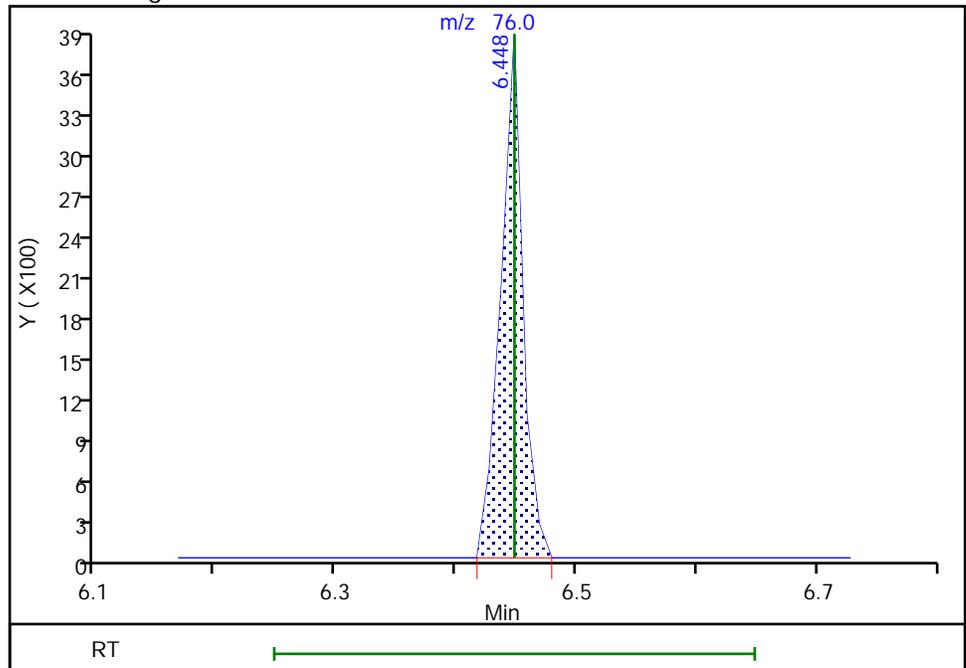
Not Detected
Expected RT: 6.45

Processing Integration Results



RT: 6.45
Area: 4944
Amount: 0.351085
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:37:49
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

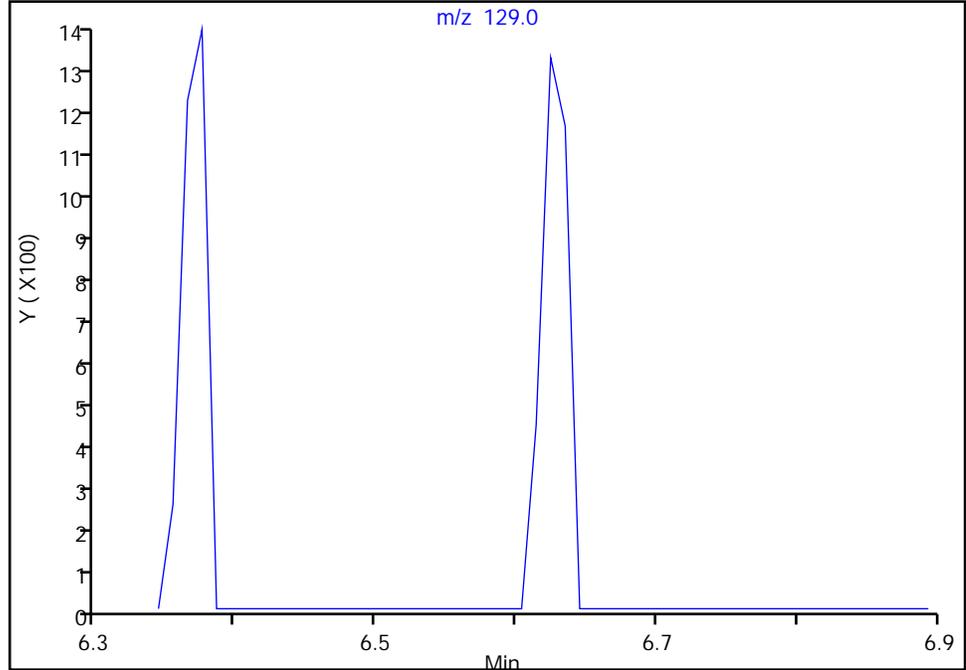
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

83 Chlorodibromomethane, CAS: 124-48-1

Signal: 1

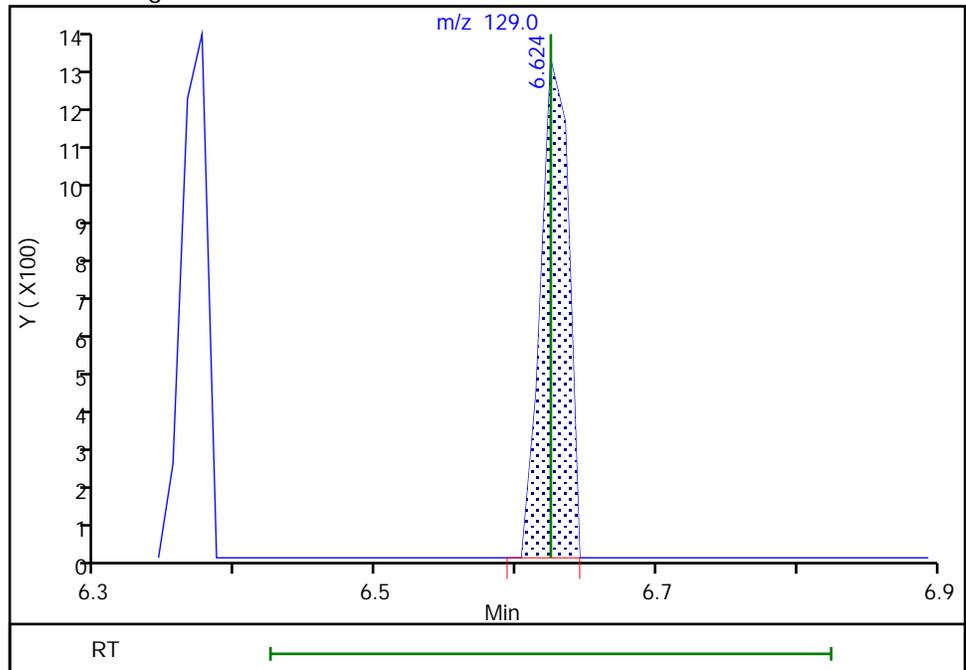
Not Detected
Expected RT: 6.62

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 1712
Amount: 0.219903
Amount Units: ug/L



Eurofins TestAmerica, Buffalo

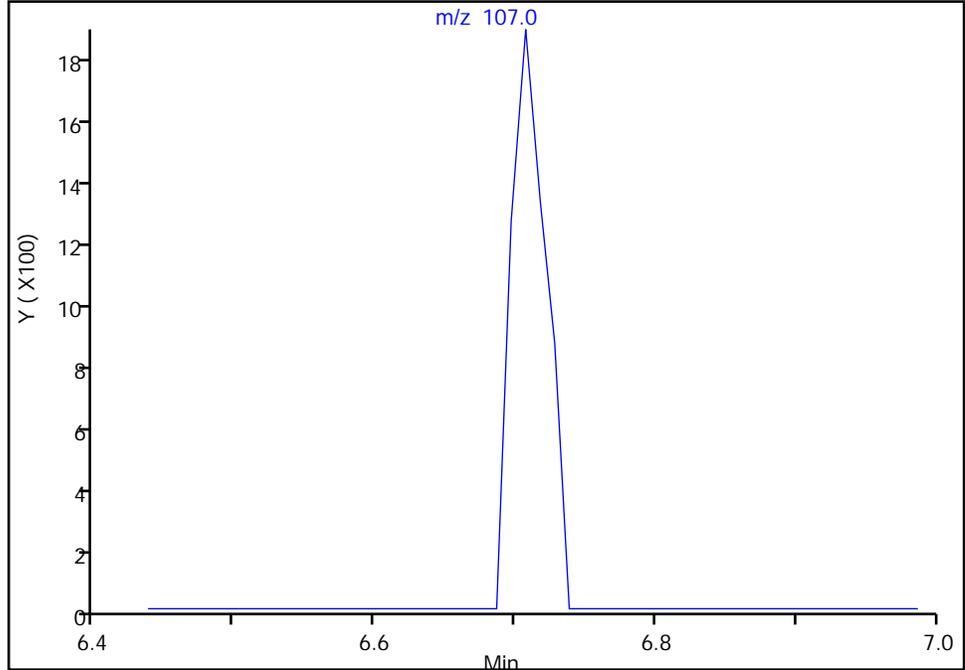
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

84 Ethylene Dibromide, CAS: 106-93-4

Signal: 1

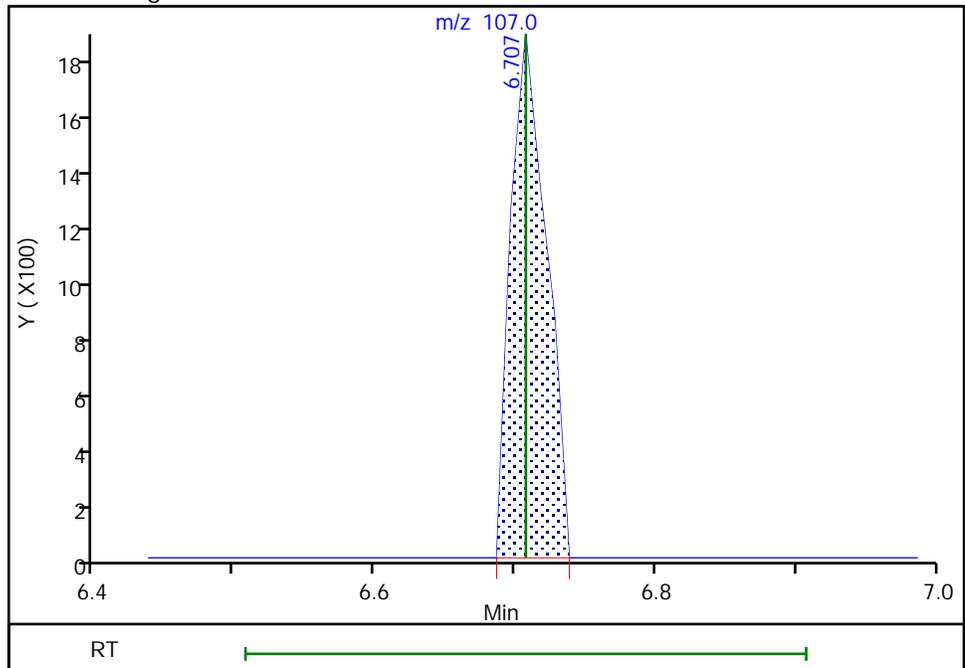
Not Detected
Expected RT: 6.71

Processing Integration Results



RT: 6.71
Area: 3211
Amount: 0.342846
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:37:57
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

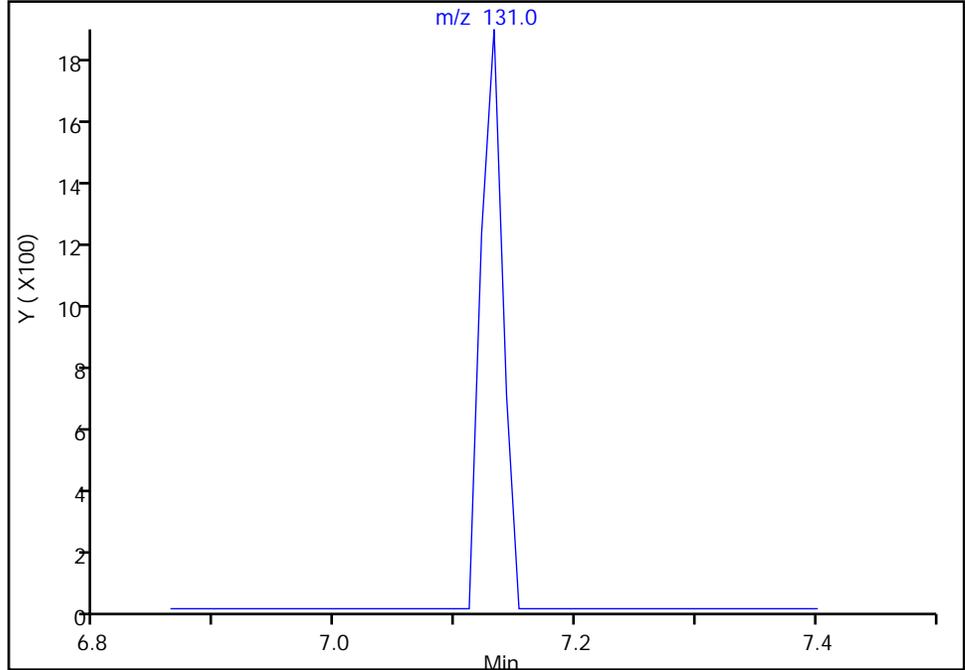
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

89 1,1,1,2-Tetrachloroethane, CAS: 630-20-6

Signal: 1

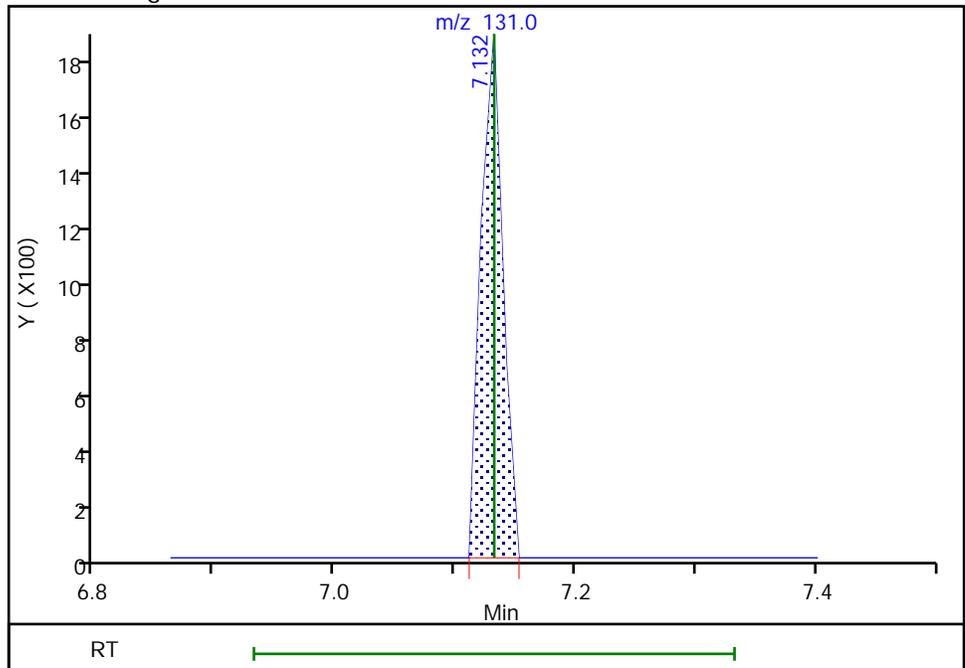
Not Detected
Expected RT: 7.13

Processing Integration Results



Manual Integration Results

RT: 7.13
Area: 2314
Amount: 0.257196
Amount Units: ug/L



Eurofins TestAmerica, Buffalo

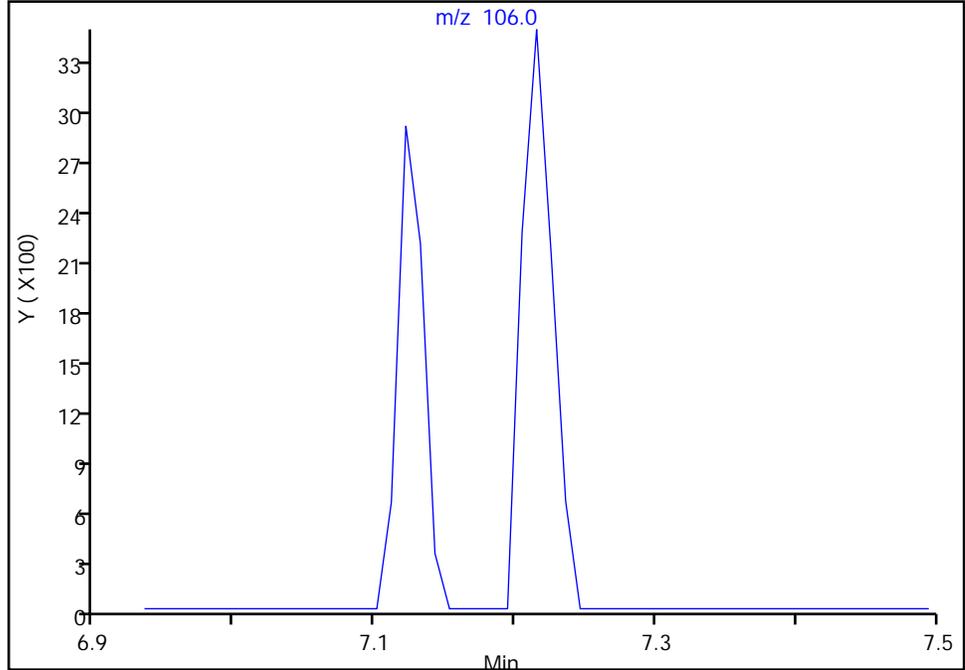
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

90 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

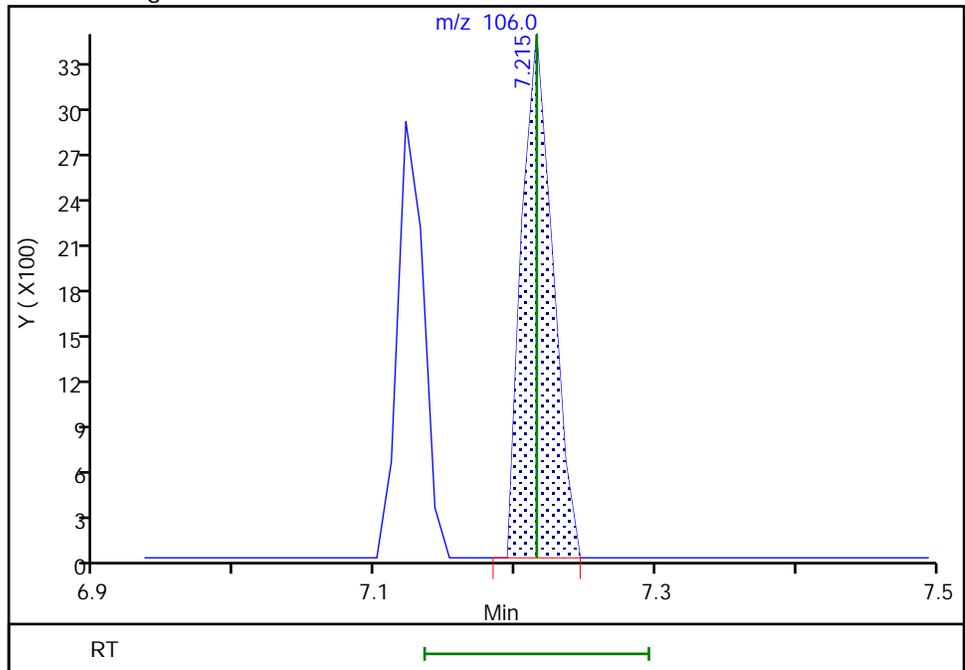
Not Detected
Expected RT: 7.22

Processing Integration Results



RT: 7.21
Area: 5213
Amount: 0.291785
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:38:12
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

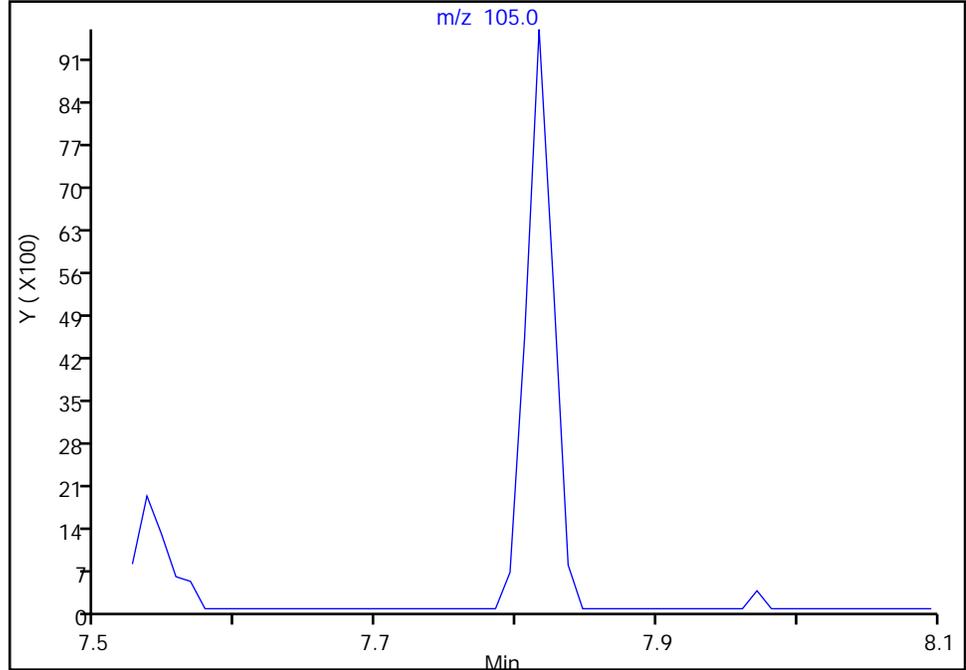
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

94 Isopropylbenzene, CAS: 98-82-8

Signal: 1

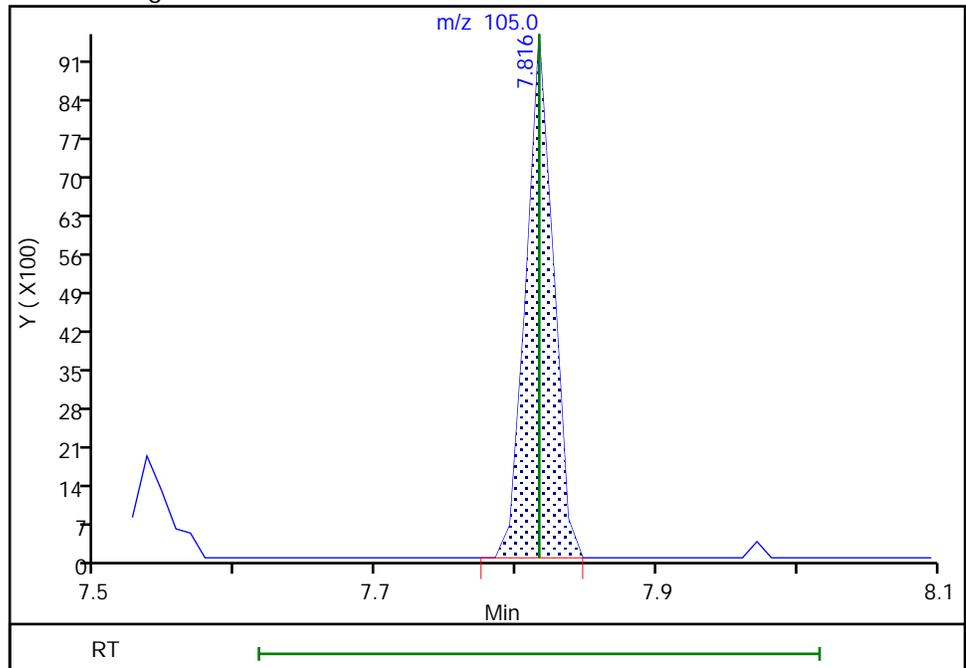
Not Detected
Expected RT: 7.82

Processing Integration Results



Manual Integration Results

RT: 7.82
Area: 12858
Amount: 0.253903
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:38:21
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

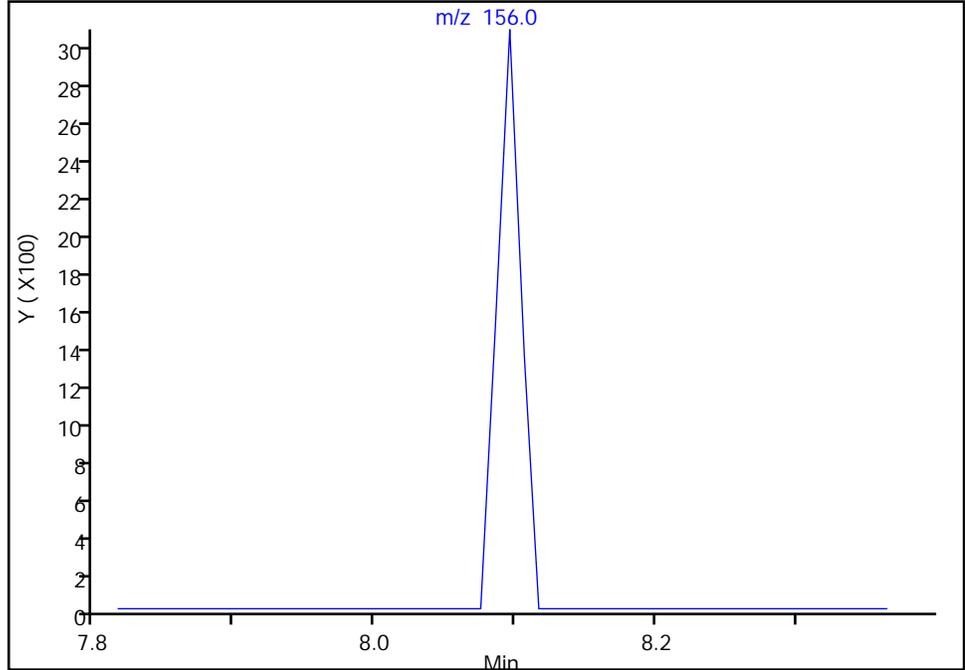
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

101 Bromobenzene, CAS: 108-86-1

Signal: 1

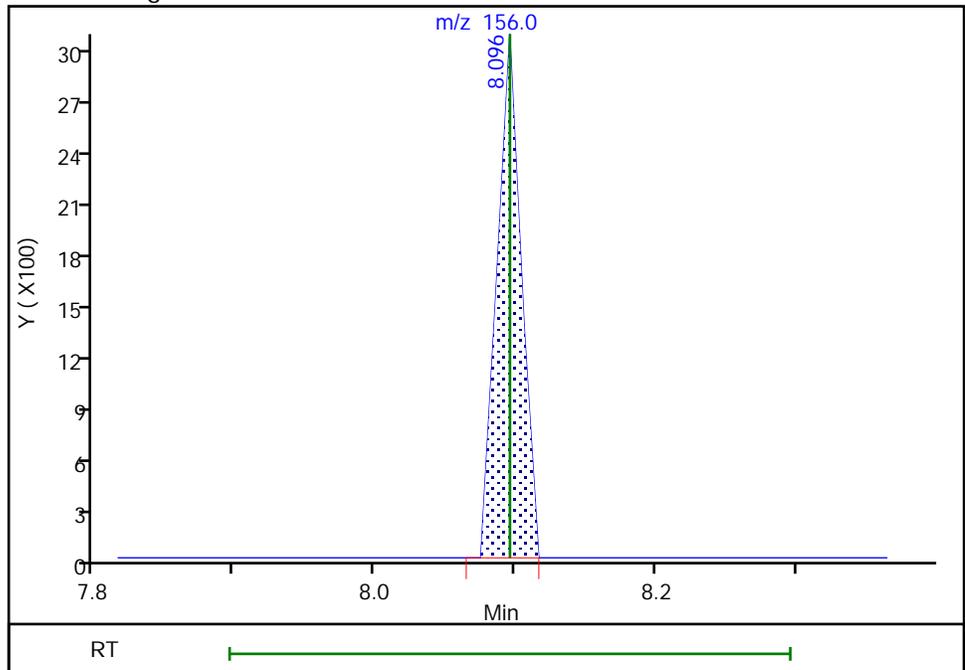
Not Detected
Expected RT: 8.10

Processing Integration Results



Manual Integration Results

RT: 8.10
Area: 3630
Amount: 0.321524
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:38:24
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

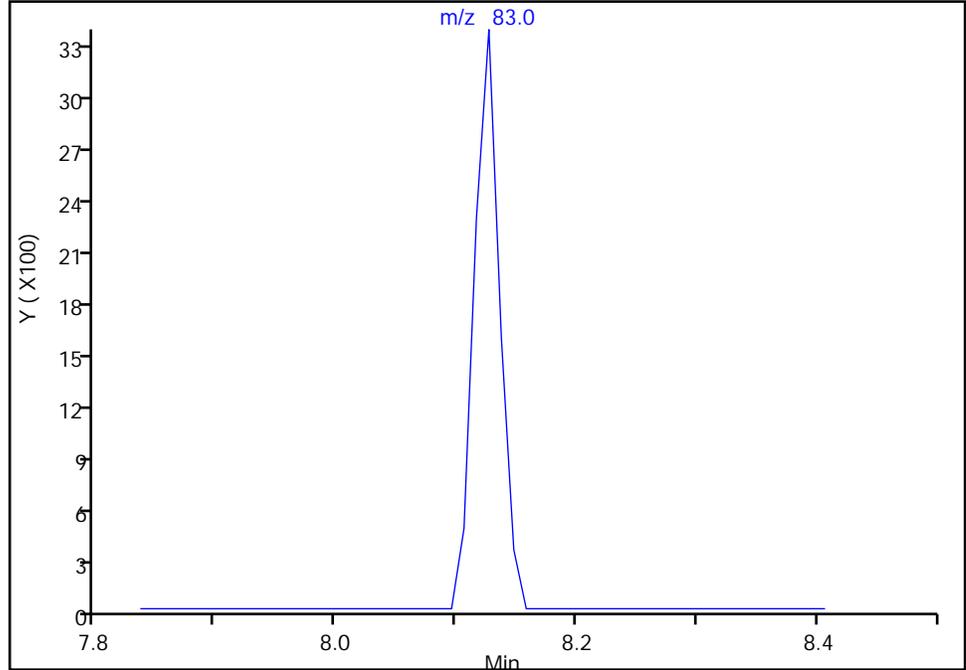
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

97 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

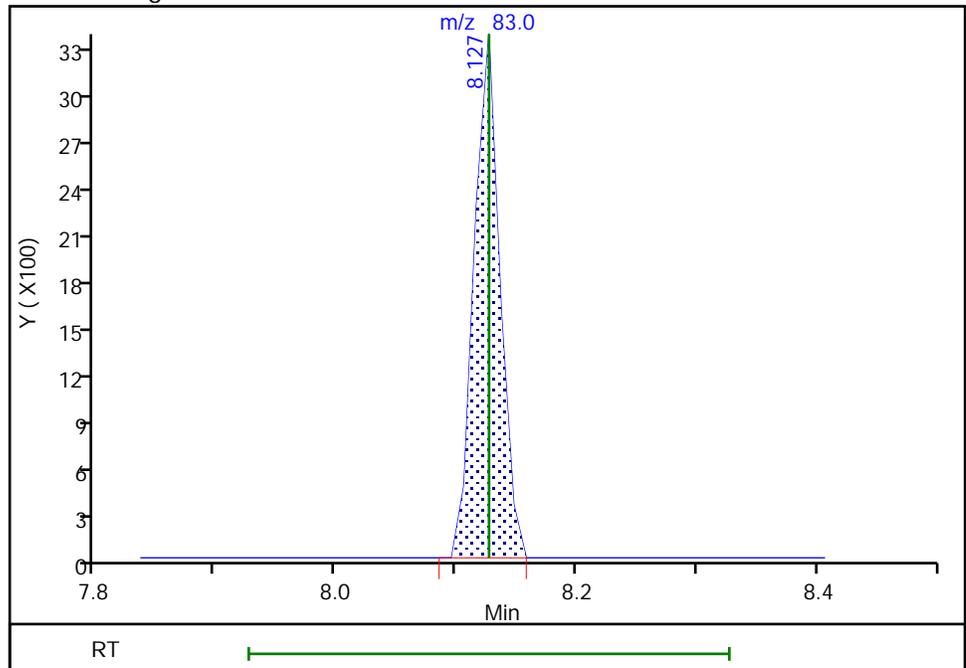
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.13
Area: 4926
Amount: 0.333900
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:38:35
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

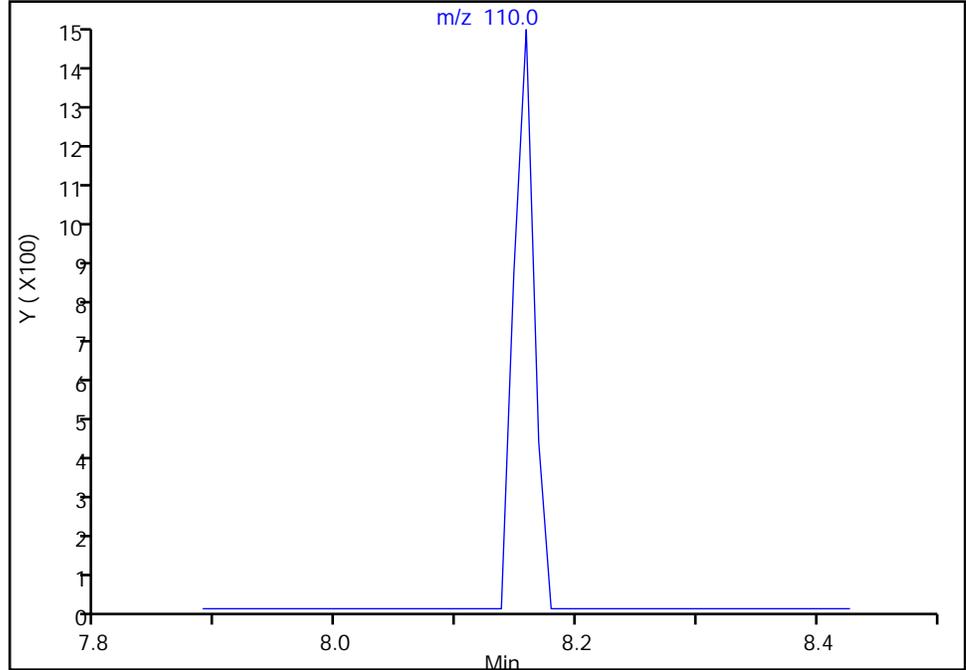
Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

100 1,2,3-Trichloropropane, CAS: 96-18-4
Signal: 1

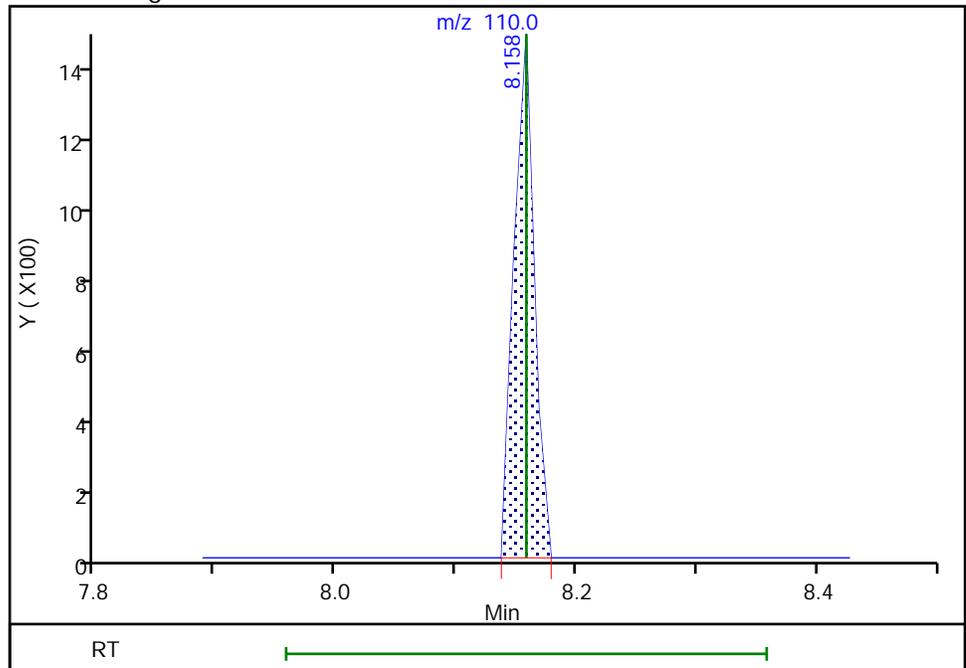
Not Detected
Expected RT: 8.16

Processing Integration Results



RT: 8.16
Area: 1731
Amount: 0.351823
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:38:41
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

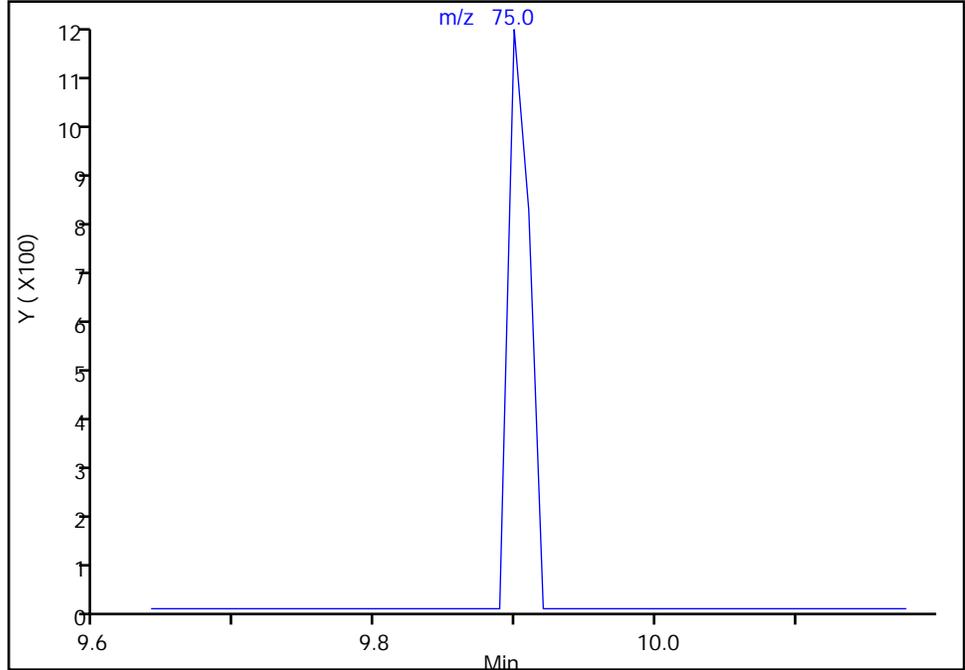
Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0378.D
Injection Date: 13-Nov-2021 17:13:30 Instrument ID: HP5973C
Lims ID: IC 0.4
Client ID:
Operator ID: WD ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

117 1,2-Dibromo-3-Chloropropane, CAS: 96-12-8
Signal: 1

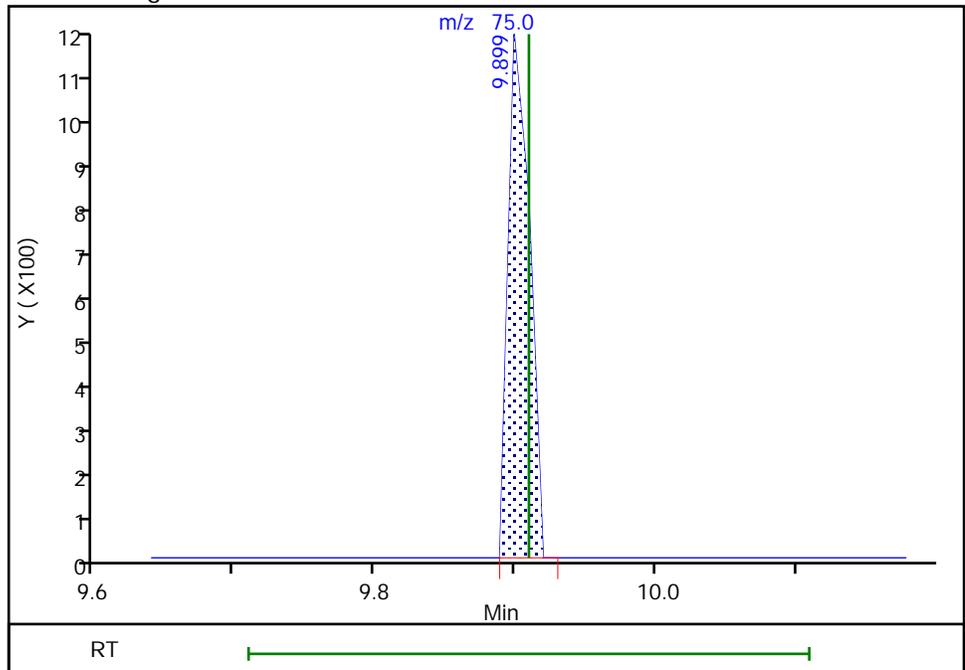
Not Detected
Expected RT: 9.91

Processing Integration Results



RT: 9.90
Area: 1249
Amount: 0.367763
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0379.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 13-Nov-2021 17:36:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 480-0102400-007
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:57:42 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 08:40:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	99	200333	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	87	357665	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	96	366998	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	93	272680	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	99	164123	25.0	26.0	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	853472	25.0	25.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.000	88	250716	25.0	24.9	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	98	9488	1.00	1.14	M
12 Chloromethane	50	1.194	1.194	0.000	98	14088	1.00	1.13	
13 Vinyl chloride	62	1.287	1.287	0.000	78	11411	1.00	1.05	
151 Butadiene	54	1.298	1.298	0.000	92	11295	1.00	1.01	
14 Bromomethane	94	1.557	1.557	0.000	92	9103	1.00	1.21	
15 Chloroethane	64	1.640	1.629	0.011	72	9029	1.00	1.29	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	95	18306	1.00	1.10	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	73	13508	1.00	1.06	
18 Ethyl ether	59	2.127	2.116	0.011	93	14028	1.00	1.27	
20 Acrolein	56	2.303	2.293	0.010	41	6221	5.00	4.47	
21 112TCTFE	101	2.324	2.313	0.011	69	10525	1.00	1.09	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	96	10290	1.00	1.05	
23 Acetone	43	2.448	2.448	0.000	99	48086	5.00	4.56	
25 Iodomethane	142	2.479	2.479	0.000	99	20717	1.00	1.14	
26 Carbon disulfide	76	2.510	2.510	0.000	98	35584	1.00	1.08	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	92	25244	1.00	1.23	
27 Methyl acetate	43	2.728	2.718	0.010	99	33199	2.00	2.28	
30 Methylene Chloride	84	2.821	2.811	0.010	96	14230	1.00	1.00	
31 2-Methyl-2-propanol	59	2.987	2.977	0.010	41	32448	10.0	14.0	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	98	39679	1.00	1.11	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	94	11853	1.00	1.01	
33 Acrylonitrile	53	3.070	3.070	0.000	99	90441	10.0	12.4	
35 Hexane	57	3.194	3.194	0.000	91	16387	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	95	24207	1.00	1.17	
37 Vinyl acetate	43	3.443	3.443	0.000	97	56669	2.00	2.02	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	86	10714	1.00	1.14	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	82	14616	1.00	1.14	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	56509	5.00	6.15	
48 Chlorobromomethane	128	4.065	4.065	0.000	97	8848	1.00	1.23	
49 Tetrahydrofuran	42	4.085	4.085	0.000	88	15119	2.00	2.34	M
50 Chloroform	83	4.137	4.137	0.000	92	23661	1.00	1.13	
51 1,1,1-Trichloroethane	97	4.231	4.220	0.011	87	17507	1.00	1.10	
52 Cyclohexane	56	4.231	4.231	0.001	90	20079	1.00	1.00	
55 Carbon tetrachloride	117	4.334	4.334	0.000	95	13084	1.00	1.06	
54 1,1-Dichloropropene	75	4.345	4.345	0.000	94	15919	1.00	1.07	
57 Benzene	78	4.521	4.521	0.000	95	47732	1.00	1.11	
53 Isobutyl alcohol	43	4.531	4.531	0.000	94	27624	25.0	32.5	M
58 1,2-Dichloroethane	62	4.573	4.572	0.000	98	18854	1.00	1.15	a
59 n-Heptane	43	4.655	4.655	0.000	95	19734	1.00	1.10	M
62 Trichloroethene	95	5.008	5.008	0.000	93	11849	1.00	1.07	
64 Methylcyclohexane	83	5.101	5.101	0.000	89	20751	1.00	1.09	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	93	11102	1.00	1.04	
67 Dibromomethane	93	5.308	5.308	0.000	94	8282	1.00	1.11	
66 1,4-Dioxane	88	5.339	5.308	0.031	0	3395	20.0	21.4	M
68 Dichlorobromomethane	83	5.422	5.422	0.000	97	13557	1.00	1.11	
69 2-Chloroethyl vinyl ether	63	5.640	5.630	0.010	89	8097	1.00	1.17	
72 cis-1,3-Dichloropropene	75	5.744	5.744	0.000	94	15688	1.00	1.04	
73 4-Methyl-2-pentanone (MIBK)	43	5.858	5.847	0.011	97	92240	5.00	5.44	
74 Toluene	92	5.961	5.961	0.000	99	27644	1.00	1.15	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	95	12069	1.00	0.9756	
75 Ethyl methacrylate	69	6.199	6.199	0.000	93	13361	1.00	0.9786	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	89	8562	1.00	1.11	
81 Tetrachloroethene	166	6.376	6.376	0.000	90	11247	1.00	1.09	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	86	15565	1.00	1.07	
80 2-Hexanone	43	6.490	6.490	0.000	98	57453	5.00	5.09	
83 Chlorodibromomethane	129	6.624	6.624	0.000	88	8038	1.00	1.00	
84 Ethylene Dibromide	107	6.707	6.707	0.000	95	10483	1.00	1.08	
87 Chlorobenzene	112	7.060	7.060	0.000	92	28002	1.00	1.06	
88 Ethylbenzene	91	7.122	7.122	0.000	98	51796	1.00	1.09	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	89	8764	1.00	0.9405	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	97	18831	1.00	1.02	
91 o-Xylene	106	7.536	7.536	0.000	96	20291	1.00	1.07	
92 Styrene	104	7.557	7.557	0.000	96	32024	1.00	1.07	
95 Bromoform	173	7.744	7.744	0.000	93	4732	1.00	0.9729	
94 Isopropylbenzene	105	7.816	7.816	0.000	96	50929	1.00	0.99	
101 Bromobenzene	156	8.096	8.096	0.000	92	12160	1.00	1.06	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	15926	1.00	1.06	
99 N-Propylbenzene	91	8.148	8.148	0.000	98	60390	1.00	1.04	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	87	4914	1.00	0.9853	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	73	5049	1.00	1.08	
103 2-Chlorotoluene	126	8.241	8.241	0.000	97	12946	1.00	1.07	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	93	45732	1.00	1.04	
105 4-Chlorotoluene	126	8.324	8.324	0.000	98	12002	1.00	1.03	
106 tert-Butylbenzene	134	8.552	8.552	0.000	94	8446	1.00	0.9183	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	48788	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	54402	1.00	0.9872	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	98	49095	1.00	1.01	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	96	25470	1.00	1.09	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	92	25670	1.00	1.05	
115 n-Butylbenzene	91	9.184	9.184	0.000	97	47822	1.00	1.08	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	97	27310	1.00	1.08	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.909	0.000	79	3862	1.00	1.12	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	91	23592	1.00	1.16	
120 Hexachlorobutadiene	225	10.656	10.666	-0.010	96	9770	1.00	1.09	
121 Naphthalene	128	10.770	10.770	0.000	98	69975	1.00	1.03	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	96	23760	1.00	1.16	
S 123 Total BTEX	1				0			5.44	
S 124 Xylenes, Total	1				0			2.09	
S 126 1,3-Dichloropropene, Total	1				0			2.01	
S 125 1,2-Dichloroethene, Total	1				0			2.15	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 1.00

Units: uL

GAS CORP mix_00480

Amount Added: 1.00

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0379.D

Injection Date: 13-Nov-2021 17:36:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: IC

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

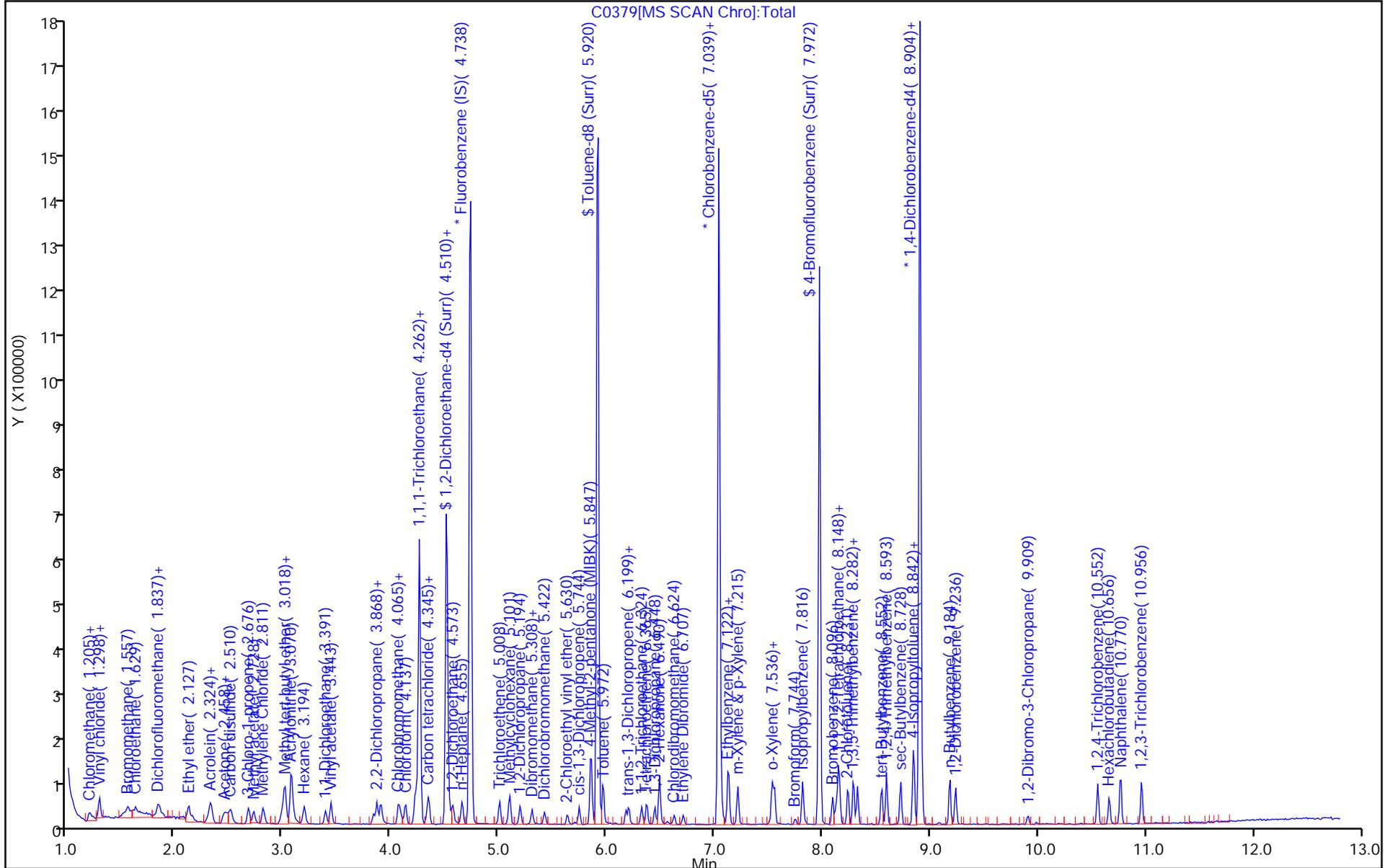
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

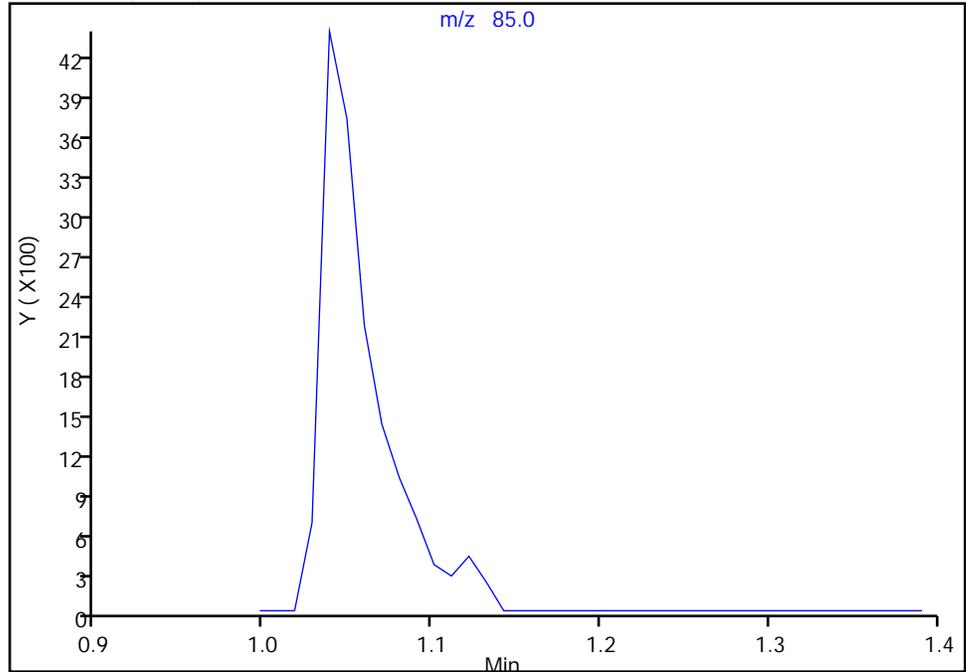
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Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

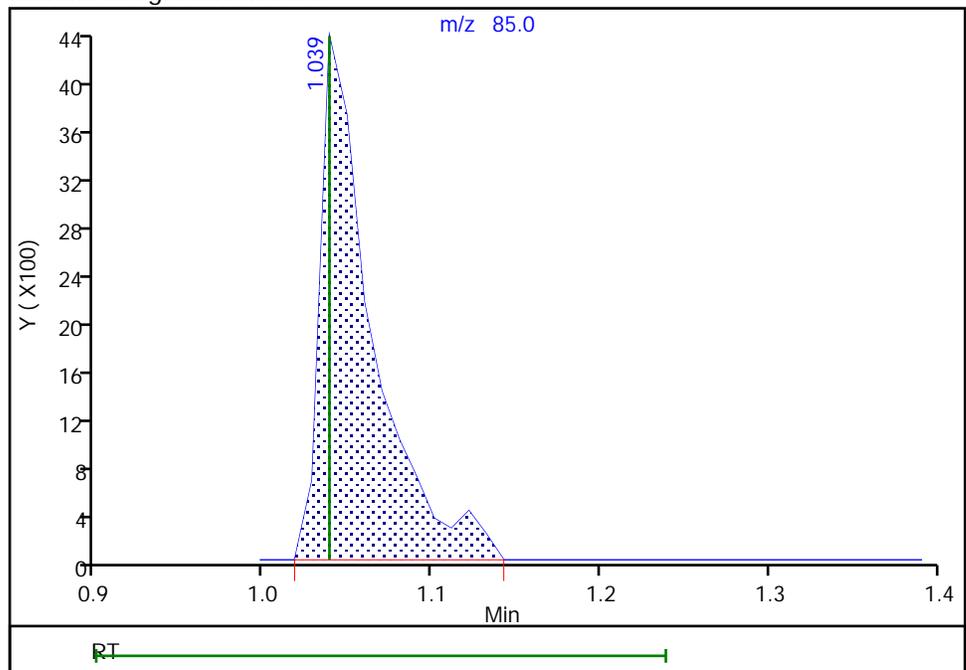
Not Detected
Expected RT: 1.04

Processing Integration Results



RT: 1.04
Area: 9488
Amount: 1.139104
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:40:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

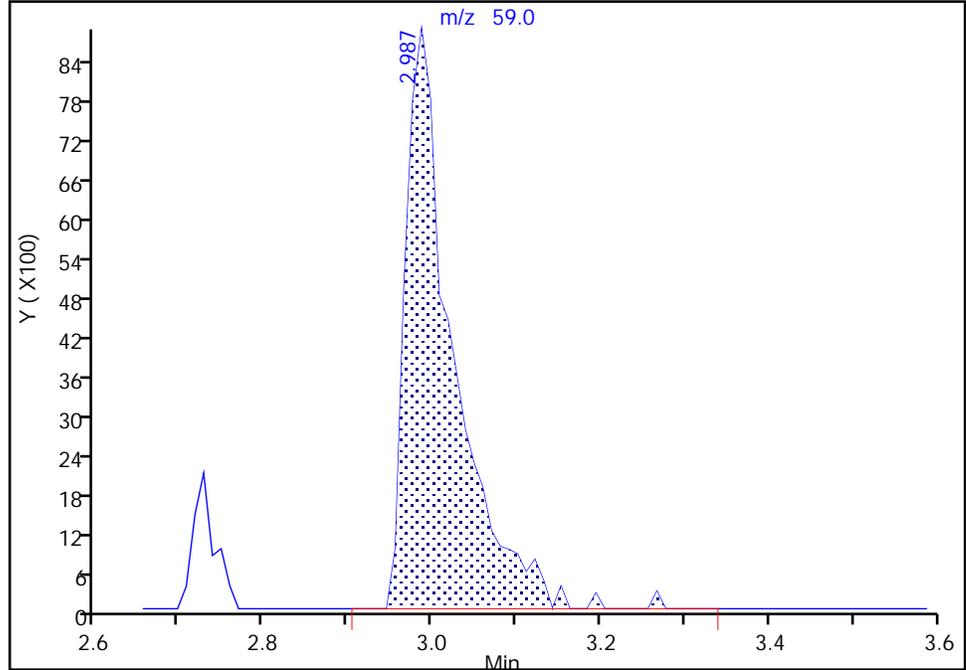
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0379.D
Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

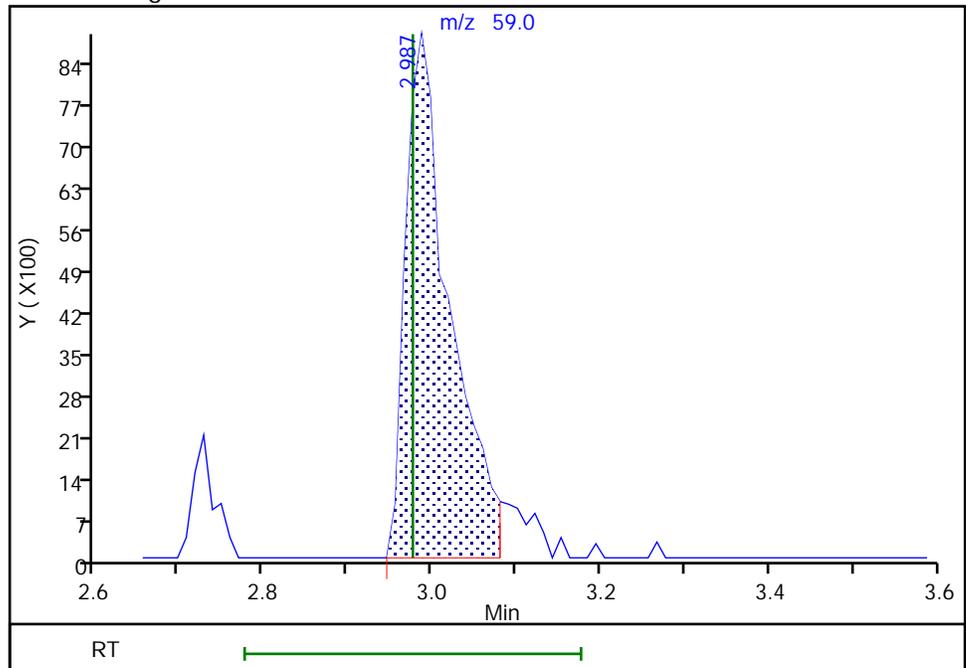
RT: 2.99
Area: 35143
Amount: 15.632178
Amount Units: ug/L

Processing Integration Results



RT: 2.99
Area: 32448
Amount: 14.010203
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:12:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

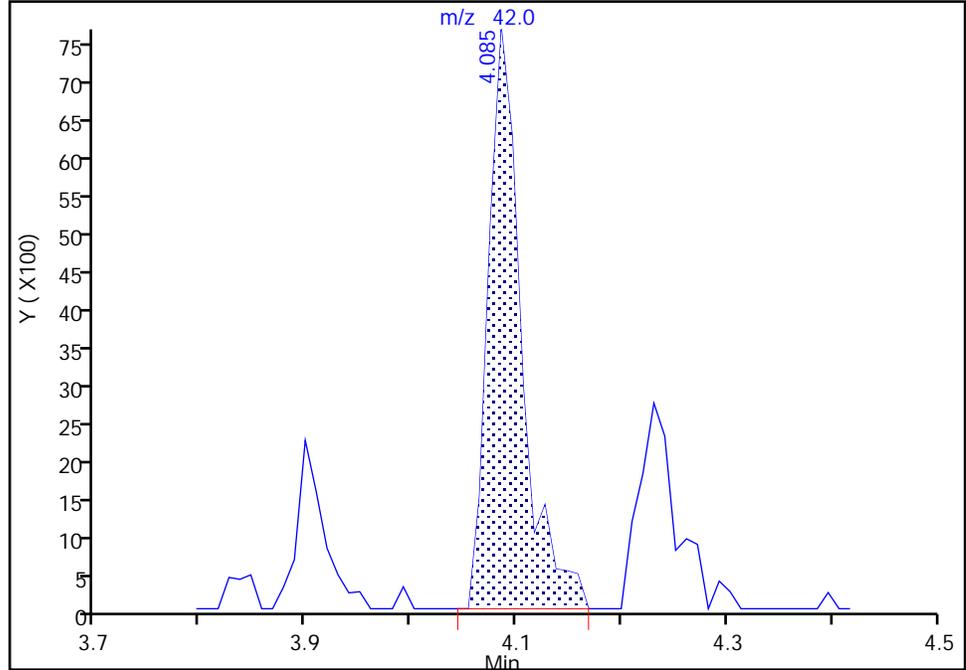
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Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

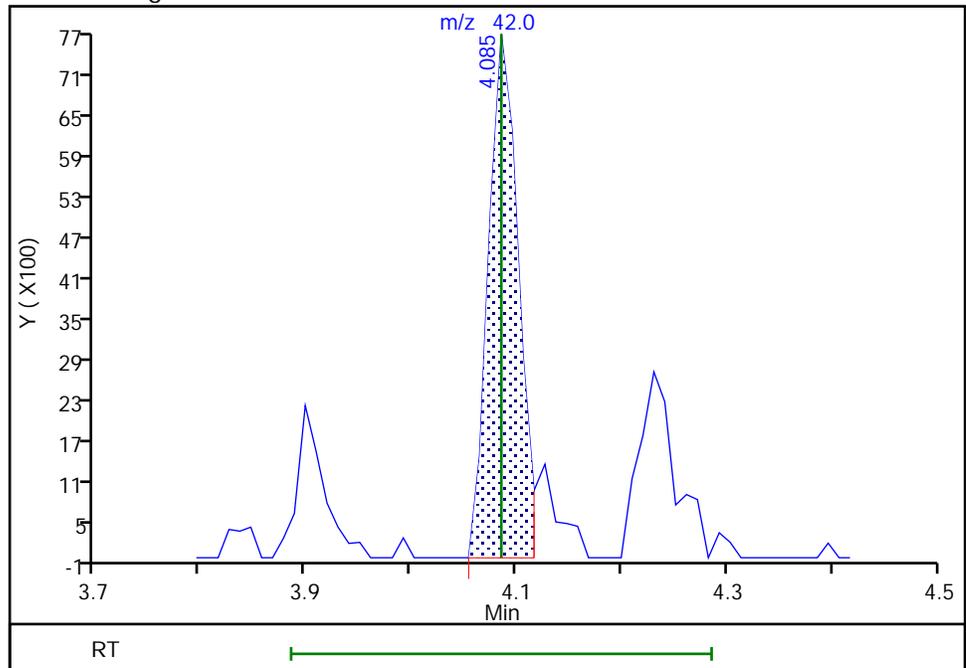
RT: 4.09
Area: 16879
Amount: 2.565968
Amount Units: ug/L

Processing Integration Results



RT: 4.09
Area: 15119
Amount: 2.337499
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

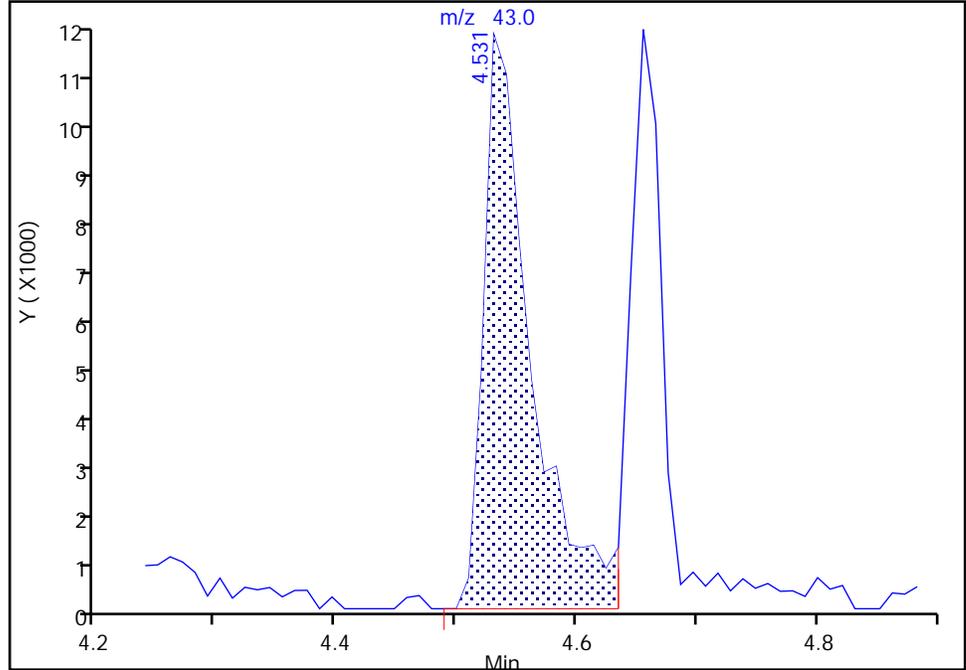
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Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

53 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

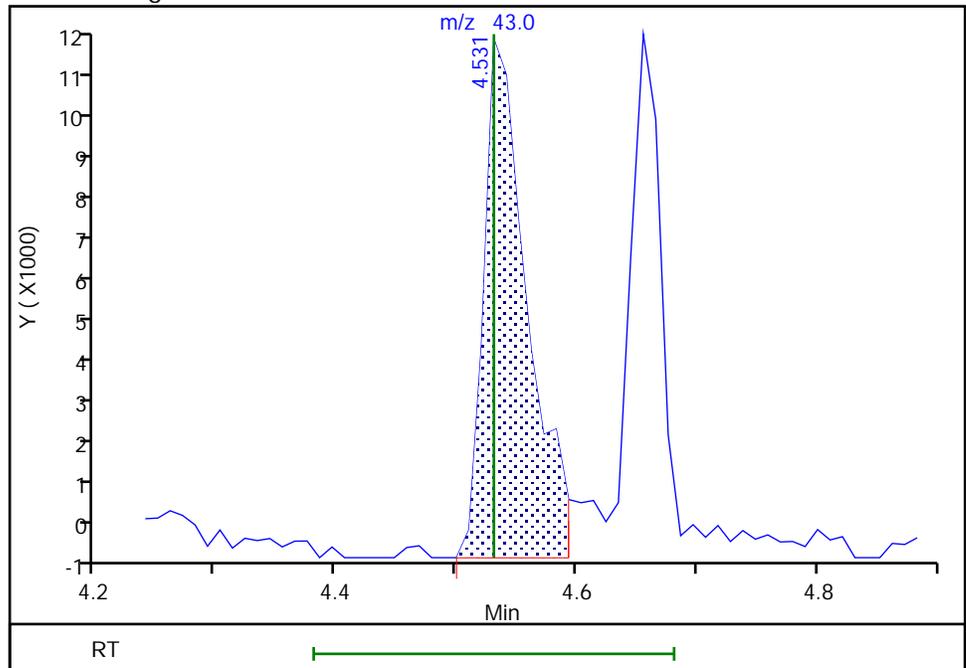
RT: 4.53
Area: 30286
Amount: 35.110306
Amount Units: ug/L

Processing Integration Results



RT: 4.53
Area: 27624
Amount: 32.526156
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:19:14
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

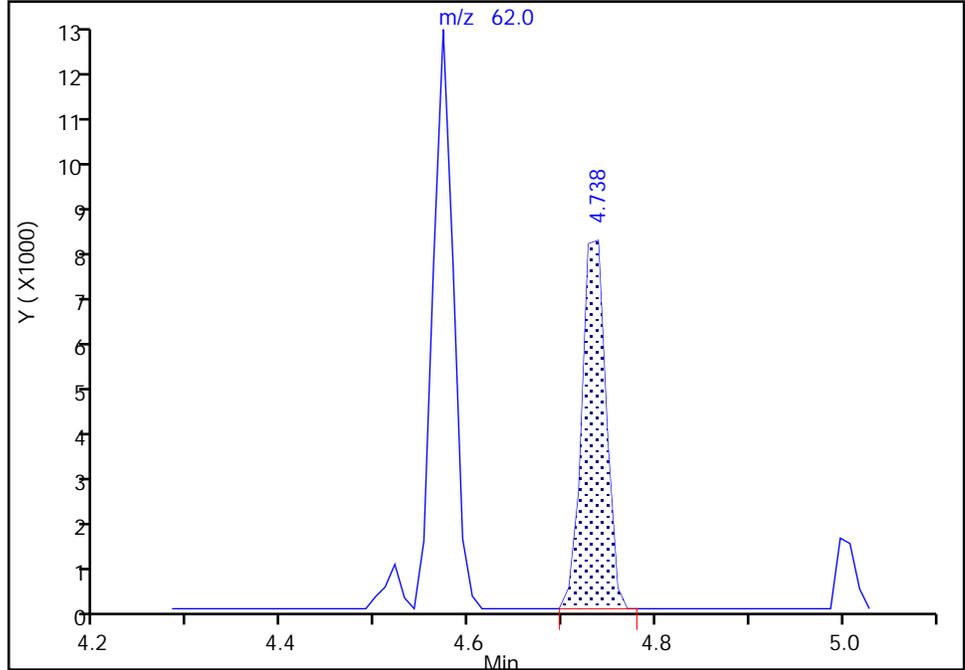
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Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

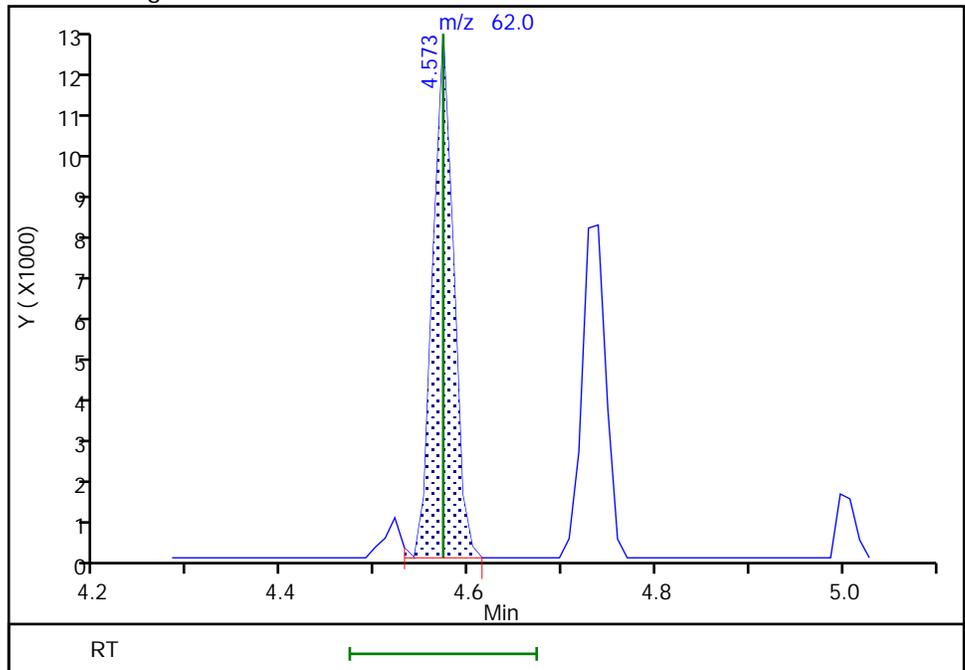
RT: 4.74
Area: 13887
Amount: 0.482223
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 18854
Amount: 1.149268
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

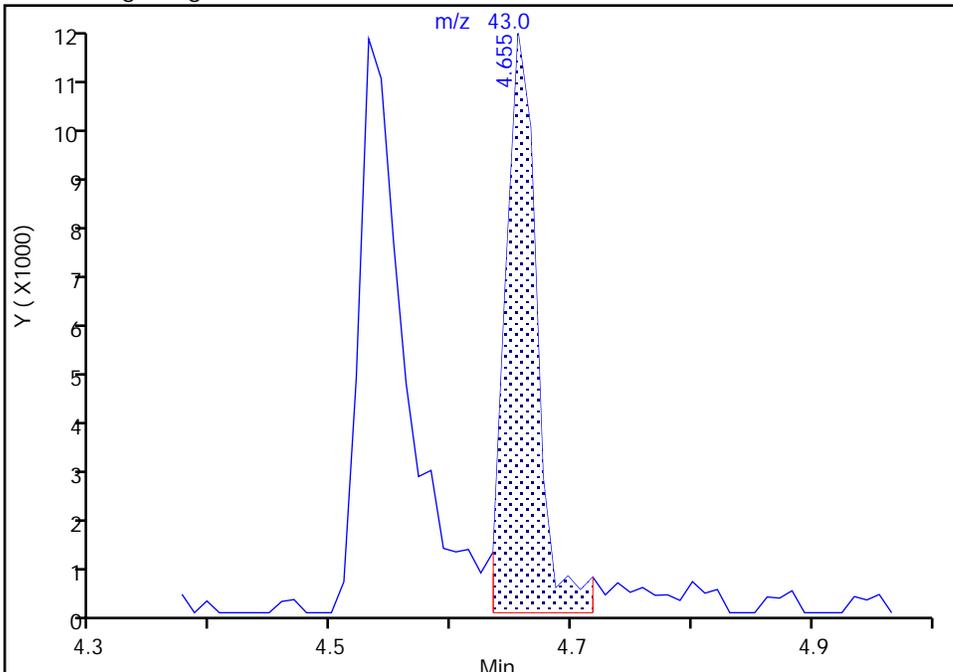
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Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

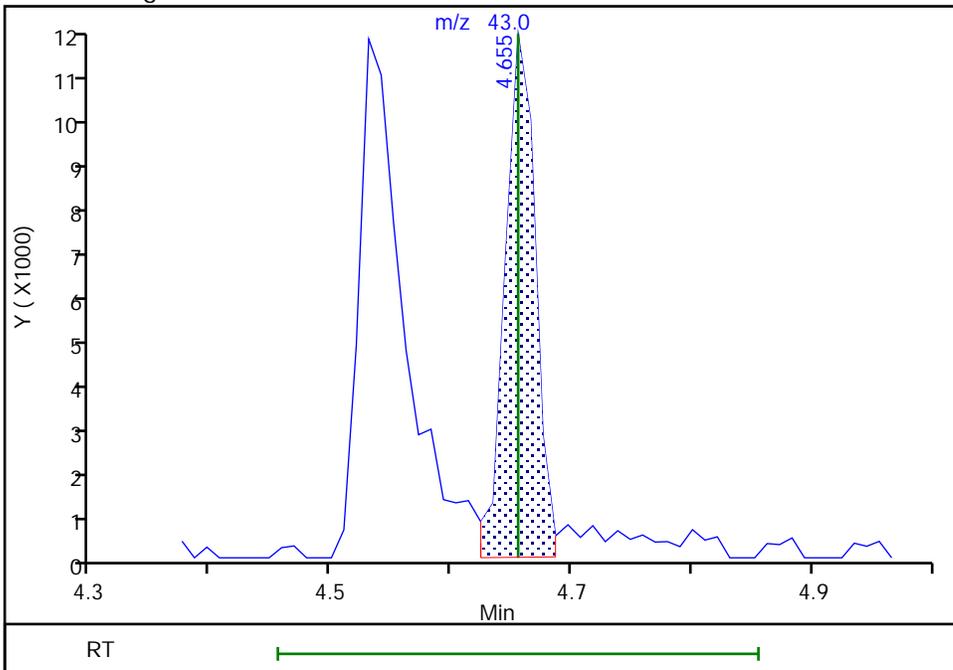
RT: 4.66
Area: 20444
Amount: 1.131643
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 19734
Amount: 1.102853
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:41:50
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

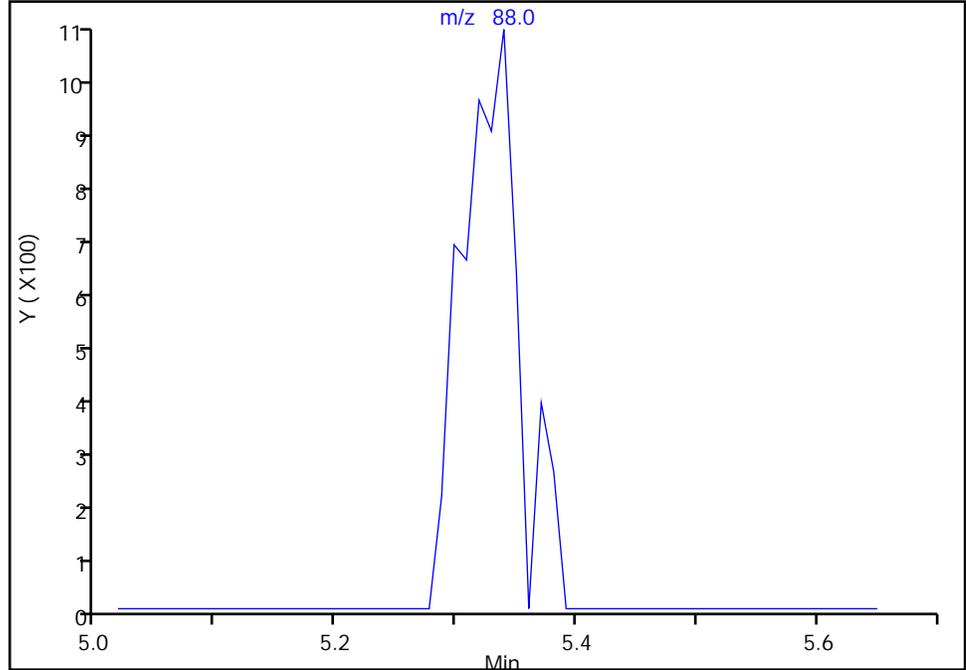
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Injection Date: 13-Nov-2021 17:36:30 Instrument ID: HP5973C
Lims ID: IC
Client ID:
Operator ID: WD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

Signal: 1

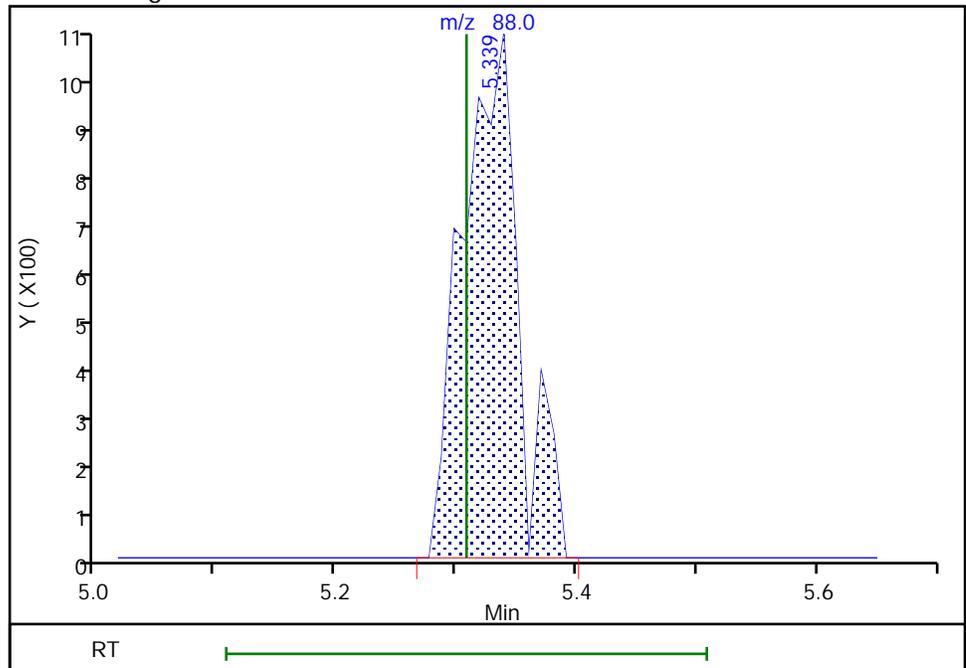
Not Detected
Expected RT: 5.31

Processing Integration Results



Manual Integration Results

RT: 5.34
Area: 3395
Amount: 21.387211
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:39:24
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0380.D
 Lims ID: IC 2
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 13-Nov-2021 17:59:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 2
 Misc. Info.: 480-0102400-008
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:57:46 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 08:41:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	99	203013	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	86	355325	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	96	372873	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	93	266802	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	158966	25.0	24.9	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	829179	25.0	24.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.000	89	238388	25.0	23.8	
10 Dichlorodifluoromethane	85	1.049	1.039	0.010	97	17849	2.00	2.11	M
12 Chloromethane	50	1.194	1.194	0.000	98	26608	2.00	2.10	
13 Vinyl chloride	62	1.287	1.287	0.000	70	21306	2.00	1.93	
151 Butadiene	54	1.298	1.298	0.000	89	24153	2.00	2.14	
14 Bromomethane	94	1.557	1.557	0.000	92	15522	2.00	2.04	
15 Chloroethane	64	1.640	1.629	0.011	98	14339	2.00	2.02	
16 Dichlorofluoromethane	67	1.847	1.837	0.010	96	35704	2.00	2.12	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	68	25717	2.00	1.99	
18 Ethyl ether	59	2.116	2.116	0.000	94	23504	2.00	2.09	
20 Acrolein	56	2.303	2.293	0.010	60	8916	10.0	8.58	
21 112TCTFE	101	2.313	2.313	0.000	93	19617	2.00	2.01	
22 1,1-Dichloroethene	96	2.334	2.324	0.010	98	21040	2.00	2.12	
23 Acetone	43	2.448	2.448	0.000	99	69661	10.0	8.74	
25 Iodomethane	142	2.479	2.479	0.000	98	38328	2.00	2.09	
26 Carbon disulfide	76	2.510	2.510	0.000	100	65847	2.00	1.98	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	92	42684	2.00	2.06	
27 Methyl acetate	43	2.728	2.718	0.010	98	60443	4.00	4.10	
30 Methylene Chloride	84	2.811	2.811	0.000	97	25294	2.00	1.94	
31 2-Methyl-2-propanol	59	2.977	2.977	0.000	99	52708	20.0	22.5	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	99	73003	2.00	2.01	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	98	25726	2.00	2.17	
33 Acrylonitrile	53	3.070	3.070	0.000	98	163051	20.0	22.0	
35 Hexane	57	3.194	3.194	0.000	90	35414	2.00	2.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	43507	2.00	2.07	
37 Vinyl acetate	43	3.443	3.443	0.000	97	107113	4.00	3.77	M
44 2,2-Dichloropropane	77	3.837	3.837	0.000	91	20408	2.00	2.14	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	80	27585	2.00	2.11	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	100088	10.0	10.7	
48 Chlorobromomethane	128	4.065	4.065	0.000	98	14145	2.00	1.95	
49 Tetrahydrofuran	42	4.085	4.085	0.000	89	27892	4.00	4.26	
50 Chloroform	83	4.137	4.137	0.000	94	43407	2.00	2.04	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	94	33881	2.00	2.10	
52 Cyclohexane	56	4.231	4.231	0.001	92	41673	2.00	2.05	
55 Carbon tetrachloride	117	4.334	4.334	0.000	96	24789	2.00	1.98	
54 1,1-Dichloropropene	75	4.345	4.345	0.001	95	31548	2.00	2.09	
57 Benzene	78	4.521	4.521	0.000	92	90984	2.00	2.08	
53 Isobutyl alcohol	43	4.531	4.531	0.000	97	42051	50.0	48.9	
58 1,2-Dichloroethane	62	4.573	4.572	0.001	96	33523	2.00	2.02	a
59 n-Heptane	43	4.655	4.655	0.000	92	35404	2.00	1.95	M
62 Trichloroethene	95	5.008	5.008	0.000	94	23576	2.00	2.09	
64 Methylcyclohexane	83	5.101	5.101	0.000	91	39488	2.00	2.04	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	94	21764	2.00	2.01	
66 1,4-Dioxane	88	5.308	5.308	0.000	36	6554	40.0	41.6	
67 Dibromomethane	93	5.308	5.308	0.000	96	14571	2.00	1.93	
68 Dichlorobromomethane	83	5.422	5.422	0.000	98	23474	2.00	1.89	
69 2-Chloroethyl vinyl ether	63	5.640	5.630	0.010	91	12211	2.00	1.74	
72 cis-1,3-Dichloropropene	75	5.744	5.744	0.000	94	27723	2.00	1.81	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	167391	10.0	9.94	
74 Toluene	92	5.961	5.961	0.000	96	46872	2.00	1.97	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	90	23258	2.00	1.89	
75 Ethyl methacrylate	69	6.200	6.199	0.001	92	24381	2.00	1.80	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	91	14979	2.00	1.95	
81 Tetrachloroethene	166	6.376	6.376	0.000	96	21215	2.00	2.06	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	94	27826	2.00	1.92	
80 2-Hexanone	43	6.490	6.490	0.000	98	105732	10.0	9.44	
83 Chlorodibromomethane	129	6.624	6.624	0.000	88	14525	2.00	1.81	
84 Ethylene Dibromide	107	6.707	6.707	0.000	95	18890	2.00	1.96	
87 Chlorobenzene	112	7.060	7.060	0.000	96	53084	2.00	2.02	
88 Ethylbenzene	91	7.122	7.122	0.000	98	93560	2.00	1.98	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	90	16612	2.00	1.79	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	96	36146	2.00	1.97	
91 o-Xylene	106	7.536	7.536	0.000	96	34358	2.00	1.82	
92 Styrene	104	7.557	7.557	0.000	94	57652	2.00	1.94	
95 Bromoform	173	7.744	7.744	0.000	90	7700	2.00	1.59	
94 Isopropylbenzene	105	7.816	7.816	0.000	95	99163	2.00	1.90	
101 Bromobenzene	156	8.096	8.096	0.000	94	22818	2.00	1.96	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	27530	2.00	1.81	
99 N-Propylbenzene	91	8.148	8.148	0.000	98	109526	2.00	1.85	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	88	9995	2.00	1.97	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	71	7929	2.00	1.67	
103 2-Chlorotoluene	126	8.241	8.241	0.000	96	24381	2.00	1.98	
102 1,3,5-Trimethylbenzene	105	8.283	8.282	0.000	94	79903	2.00	1.79	
105 4-Chlorotoluene	126	8.324	8.324	0.000	98	22866	2.00	1.94	
106 tert-Butylbenzene	134	8.552	8.552	0.000	93	17496	2.00	1.87	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	89147	2.00	1.91	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	102691	2.00	1.83	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	98	92123	2.00	1.87	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	44607	2.00	1.87	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	94	47857	2.00	1.92	
115 n-Butylbenzene	91	9.184	9.184	0.000	97	80320	2.00	1.79	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	98	48881	2.00	1.90	
117 1,2-Dibromo-3-Chloropropane	75	9.910	9.909	0.001	82	5828	2.00	1.67	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	93	40814	2.00	1.97	
120 Hexachlorobutadiene	225	10.666	10.666	0.000	96	16977	2.00	1.87	
121 Naphthalene	128	10.759	10.770	-0.011	97	133546	2.00	1.94	
122 1,2,3-Trichlorobenzene	180	10.967	10.956	0.011	93	40521	2.00	1.95	
S 123 Total BTEX	1				0			9.82	
S 124 Xylenes, Total	1				0			3.79	
S 126 1,3-Dichloropropene, Total	1				0			3.70	
S 125 1,2-Dichloroethene, Total	1				0			4.29	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 2.00

Units: uL

GAS CORP mix_00480

Amount Added: 2.00

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0380.D

Injection Date: 13-Nov-2021 17:59:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: IC 2

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

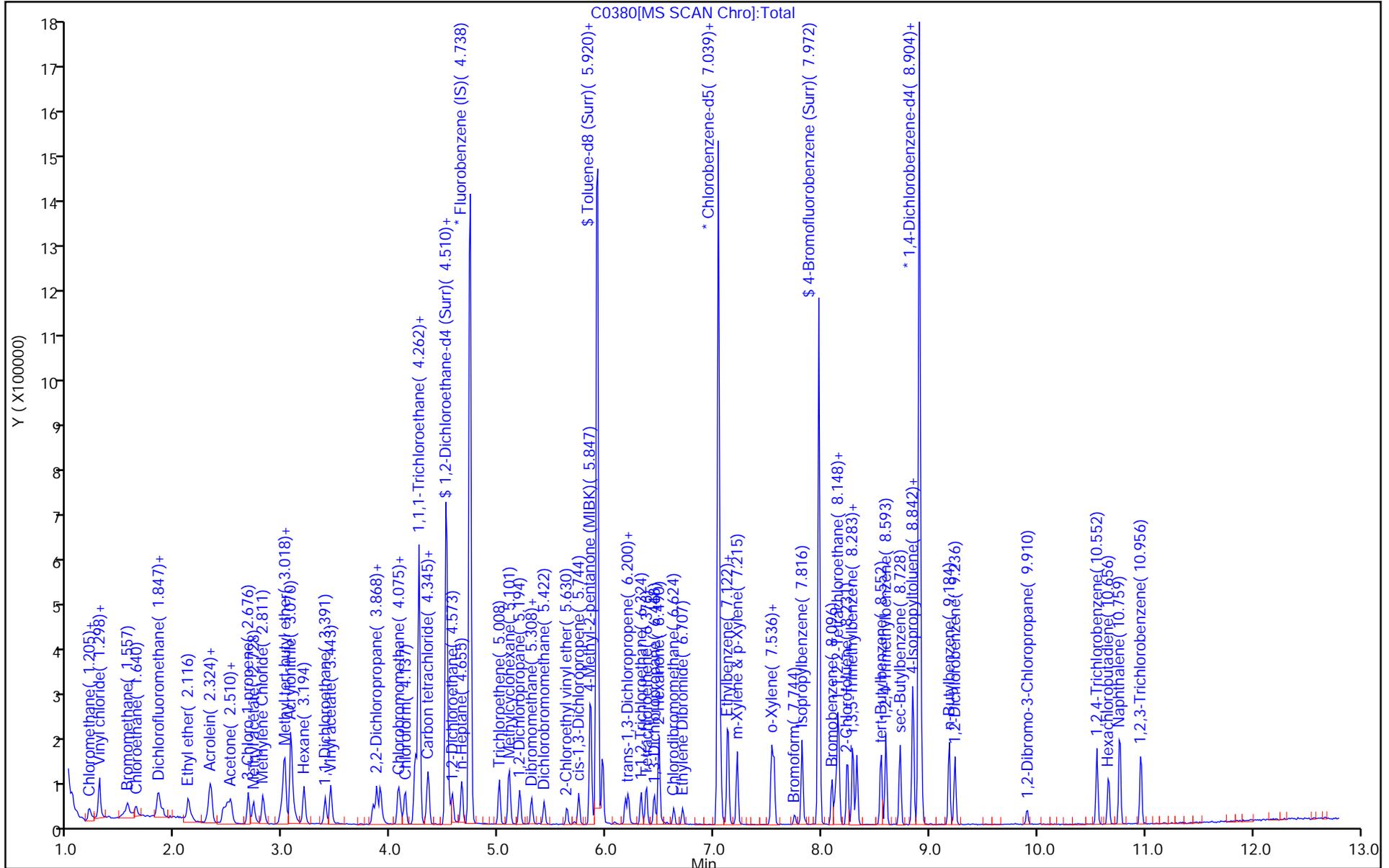
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

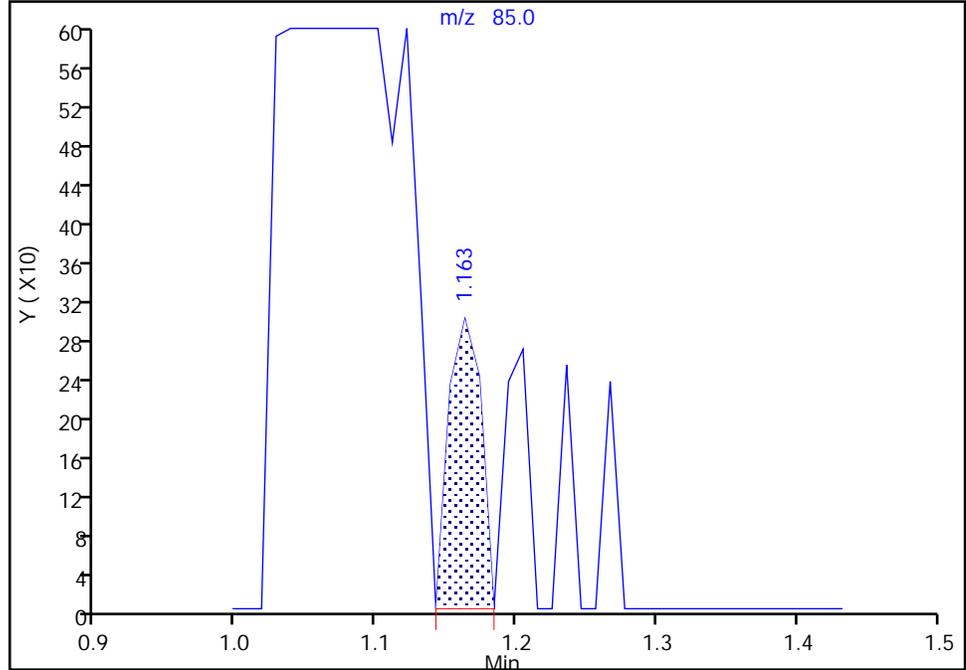
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Injection Date: 13-Nov-2021 17:59:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

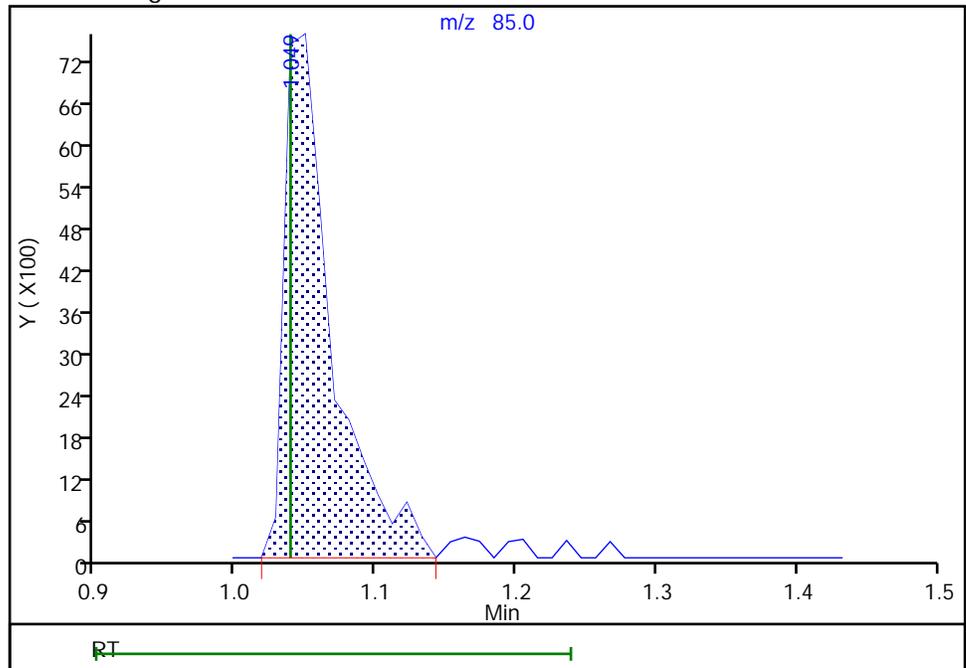
RT: 1.16
Area: 476
Amount: 0.142962
Amount Units: ug/L

Processing Integration Results



RT: 1.05
Area: 17849
Amount: 2.114615
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:40:26
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

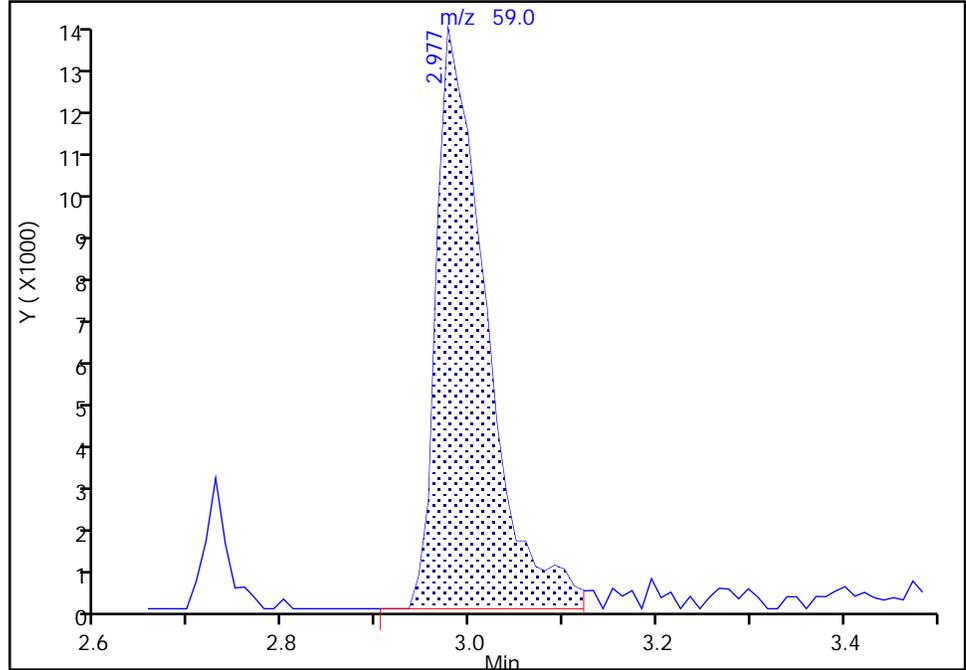
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Injection Date: 13-Nov-2021 17:59:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

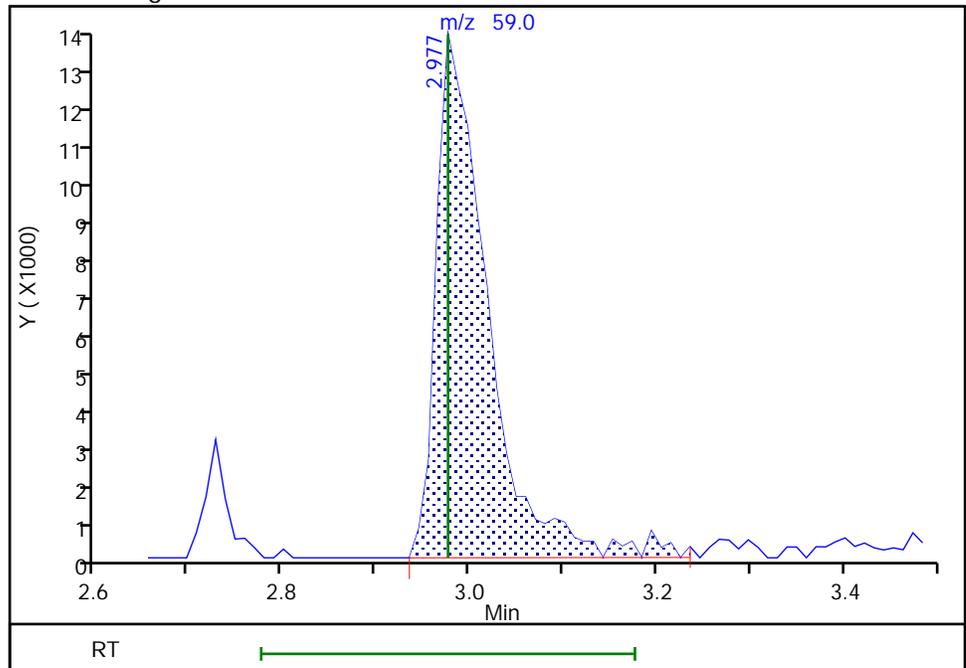
RT: 2.98
Area: 50745
Amount: 22.283144
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 52708
Amount: 22.457513
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:45:55
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

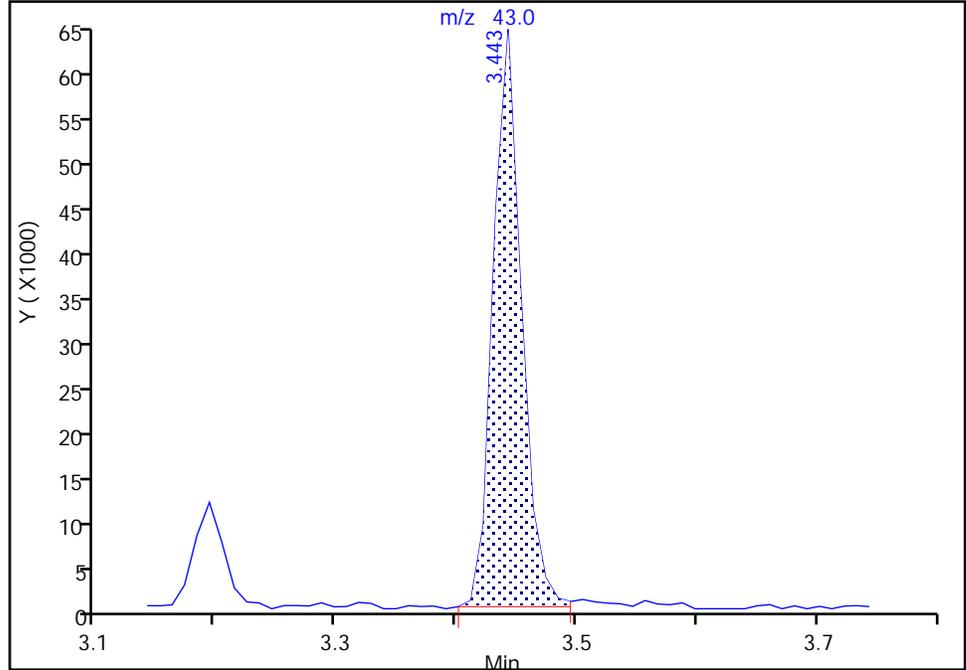
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Injection Date: 13-Nov-2021 17:59:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

37 Vinyl acetate, CAS: 108-05-4

Signal: 1

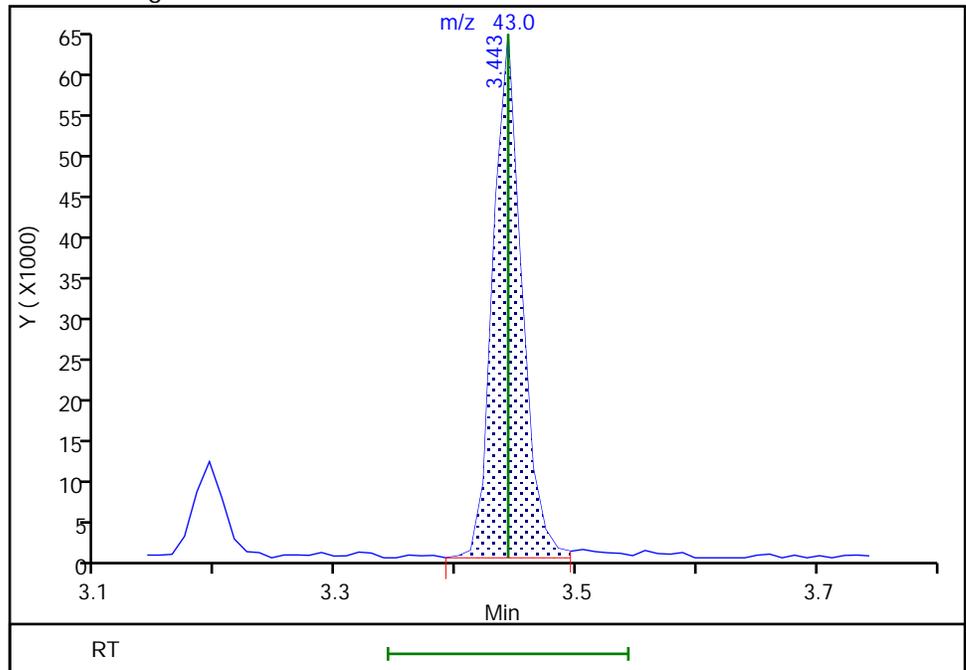
RT: 3.44
Area: 105691
Amount: 3.726469
Amount Units: ug/L

Processing Integration Results



RT: 3.44
Area: 107113
Amount: 3.770494
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

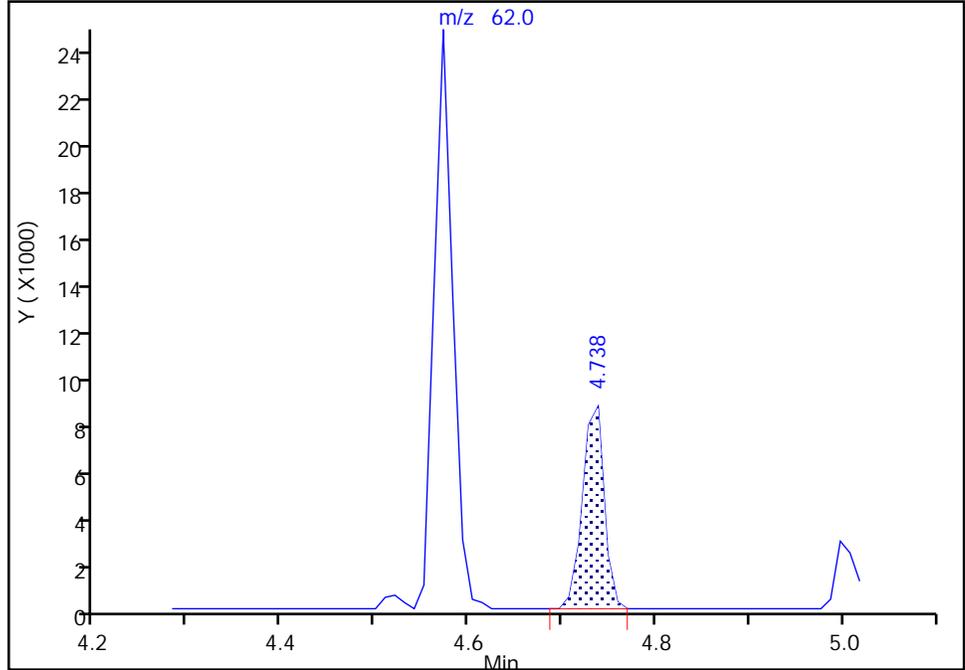
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Injection Date: 13-Nov-2021 17:59:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

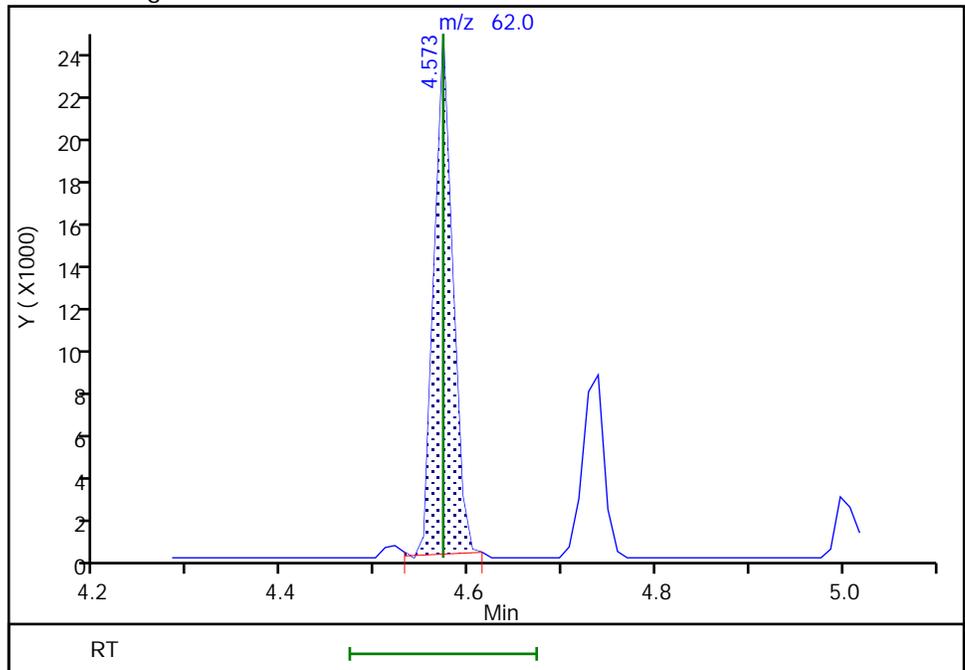
RT: 4.74
Area: 13816
Amount: 0.814926
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 33523
Amount: 2.016458
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

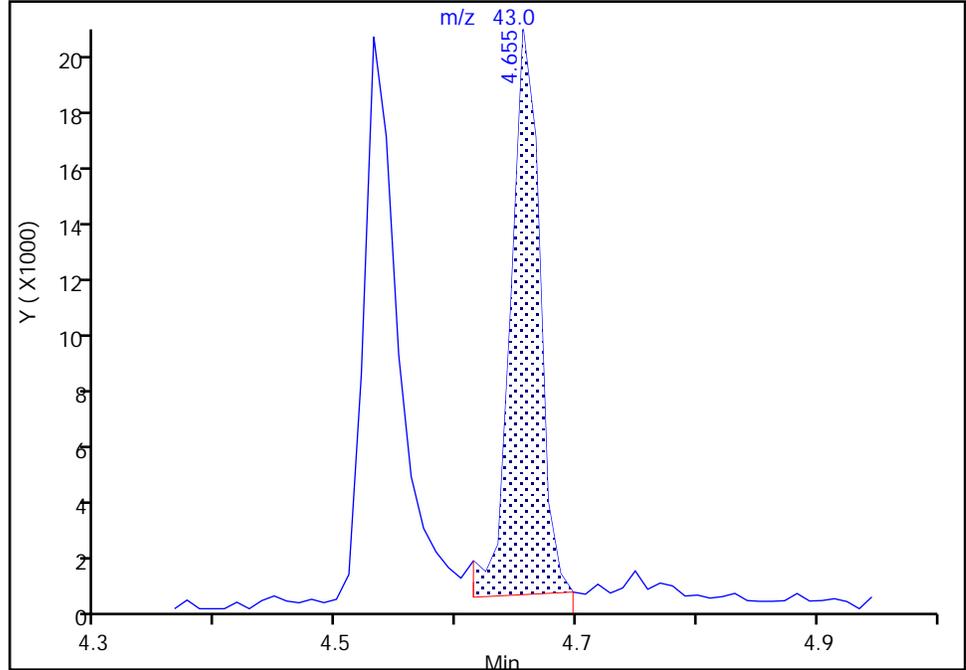
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Injection Date: 13-Nov-2021 17:59:30 Instrument ID: HP5973C
Lims ID: IC 2
Client ID:
Operator ID: WD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

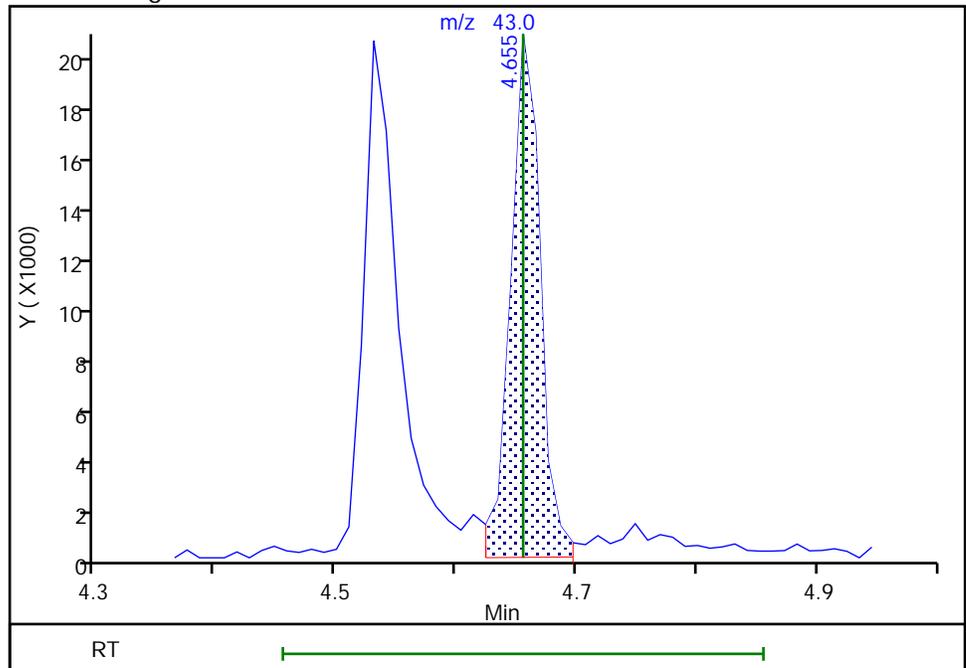
RT: 4.66
Area: 33767
Amount: 1.854806
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 35404
Amount: 1.952465
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:40:56
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0381.D
 Lims ID: IC 3
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 13-Nov-2021 18:22:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 3
 Misc. Info.: 480-0102400-009
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:57:49 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw Date: 14-Nov-2021 08:44:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.728	0.000	99	208890	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	86	366616	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	95	375691	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.261	4.261	0.000	92	263012	25.0	23.9	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	161180	25.0	24.5	
\$ 5 Toluene-d8 (Surr)	98	5.909	5.909	0.000	94	879611	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.971	7.971	0.000	89	258280	25.0	25.0	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	99	44459	5.00	5.12	M
12 Chloromethane	50	1.194	1.194	0.000	99	59848	5.00	4.60	
13 Vinyl chloride	62	1.287	1.287	0.000	99	55076	5.00	4.84	
151 Butadiene	54	1.298	1.298	0.000	92	59347	5.00	5.10	
14 Bromomethane	94	1.557	1.557	0.000	90	36798	5.00	4.71	
15 Chloroethane	64	1.629	1.629	0.000	97	34578	5.00	4.73	
16 Dichlorofluoromethane	67	1.836	1.836	0.000	97	83201	5.00	4.79	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	68	67422	5.00	5.07	
18 Ethyl ether	59	2.116	2.116	0.000	96	57849	5.00	5.01	
20 Acrolein	56	2.292	2.292	0.000	97	21167	25.0	26.9	
21 112TCTFE	101	2.313	2.313	0.000	93	47097	5.00	4.69	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	97	47998	5.00	4.69	
23 Acetone	43	2.448	2.448	0.000	99	143936	25.0	22.7	
25 Iodomethane	142	2.479	2.479	0.000	99	93788	5.00	4.97	
26 Carbon disulfide	76	2.510	2.510	0.000	100	163540	5.00	4.77	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	90	103743	5.00	4.86	
27 Methyl acetate	43	2.728	2.728	0.000	99	151035	10.0	9.96	
30 Methylene Chloride	84	2.811	2.811	0.000	96	62935	5.00	5.07	
31 2-Methyl-2-propanol	59	2.976	2.976	0.000	98	101251	50.0	41.9	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	99	182701	5.00	4.90	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	97	58563	5.00	4.81	
33 Acrylonitrile	53	3.070	3.070	0.000	97	368185	50.0	48.2	
35 Hexane	57	3.194	3.194	0.000	93	83528	5.00	4.93	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	108281	5.00	5.01	
37 Vinyl acetate	43	3.443	3.443	0.000	97	284185	10.0	9.72	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	92	48570	5.00	4.96	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	79	67156	5.00	5.00	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	225787	25.0	23.6	
48 Chlorobromomethane	128	4.065	4.065	0.000	97	36901	5.00	4.94	
49 Tetrahydrofuran	42	4.085	4.085	0.000	87	65697	10.0	9.74	
50 Chloroform	83	4.137	4.137	0.000	94	108032	5.00	4.95	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	77625	5.00	4.67	
52 Cyclohexane	56	4.230	4.230	0.000	94	103600	5.00	4.94	
55 Carbon tetrachloride	117	4.334	4.334	0.000	96	58286	5.00	4.52	
54 1,1-Dichloropropene	75	4.344	4.344	0.000	93	75268	5.00	4.85	
57 Benzene	78	4.521	4.521	0.000	96	228055	5.00	5.07	
53 Isobutyl alcohol	43	4.531	4.531	0.000	96	98526	125.0	111.3	
58 1,2-Dichloroethane	62	4.572	4.572	0.000	97	87196	5.00	5.10	a
59 n-Heptane	43	4.655	4.655	0.000	94	94672	5.00	5.07	M
62 Trichloroethene	95	5.008	5.008	0.000	96	58041	5.00	5.01	
64 Methylcyclohexane	83	5.101	5.101	0.000	93	98913	5.00	4.97	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	93	53145	5.00	4.77	
67 Dibromomethane	93	5.308	5.308	0.000	96	38775	5.00	4.99	
66 1,4-Dioxane	88	5.308	5.308	0.000	34	16227	100.0	99.7	
68 Dichlorobromomethane	83	5.422	5.422	0.000	98	62623	5.00	4.91	
69 2-Chloroethyl vinyl ether	63	5.629	5.629	0.000	94	32375	5.00	4.49	
72 cis-1,3-Dichloropropene	75	5.743	5.743	0.000	94	74384	5.00	4.71	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	449566	25.0	25.9	
74 Toluene	92	5.961	5.961	0.000	97	120964	5.00	4.92	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	95	60611	5.00	4.78	
75 Ethyl methacrylate	69	6.199	6.199	0.000	93	69477	5.00	4.96	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	92	39193	5.00	4.95	
81 Tetrachloroethene	166	6.376	6.376	0.000	95	52477	5.00	4.95	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	93	75264	5.00	5.03	
80 2-Hexanone	43	6.490	6.490	0.000	97	297319	25.0	25.7	
83 Chlorodibromomethane	129	6.624	6.624	0.000	89	37009	5.00	4.48	
84 Ethylene Dibromide	107	6.707	6.707	0.000	99	51707	5.00	5.20	
87 Chlorobenzene	112	7.059	7.059	0.000	94	139637	5.00	5.16	
88 Ethylbenzene	91	7.122	7.122	0.000	99	243338	5.00	4.99	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	92	48058	5.00	5.03	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	97	96002	5.00	5.06	
91 o-Xylene	106	7.536	7.536	0.000	97	97727	5.00	5.03	
92 Styrene	104	7.557	7.557	0.000	96	151120	5.00	4.94	
95 Bromoform	173	7.743	7.743	0.000	96	23757	5.00	4.77	
94 Isopropylbenzene	105	7.816	7.816	0.000	96	259650	5.00	4.94	
101 Bromobenzene	156	8.096	8.096	0.000	93	57714	5.00	4.93	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	76853	5.00	5.02	
99 N-Propylbenzene	91	8.148	8.148	0.000	99	297328	5.00	4.99	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	88	26055	5.00	5.10	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	76	24006	5.00	5.03	
103 2-Chlorotoluene	126	8.241	8.241	0.000	96	60381	5.00	4.88	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	94	225235	5.00	5.00	
105 4-Chlorotoluene	126	8.324	8.324	0.000	97	62258	5.00	5.24	
106 tert-Butylbenzene	134	8.552	8.552	0.000	93	46405	5.00	4.93	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	230262	5.00	4.89	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	276242	5.00	4.90	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	243850	5.00	4.92	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	124972	5.00	5.21	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	94	129305	5.00	5.16	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	224802	5.00	4.97	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	98	132782	5.00	5.12	
117 1,2-Dibromo-3-Chloropropane	75	9.899	9.899	0.000	83	16081	5.00	4.56	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	94	104374	5.00	5.01	
120 Hexachlorobutadiene	225	10.666	10.666	0.000	97	45625	5.00	4.98	
121 Naphthalene	128	10.759	10.759	0.000	97	334537	5.00	4.82	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	96	104759	5.00	5.01	
S 123 Total BTEX	1				0			25.1	
S 124 Xylenes, Total	1				0			10.1	
S 126 1,3-Dichloropropene, Total	1				0			9.49	
S 125 1,2-Dichloroethene, Total	1				0			9.81	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 5.00

Units: uL

GAS CORP mix_00480

Amount Added: 5.00

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0381.D

Injection Date: 13-Nov-2021 18:22:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: IC 3

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

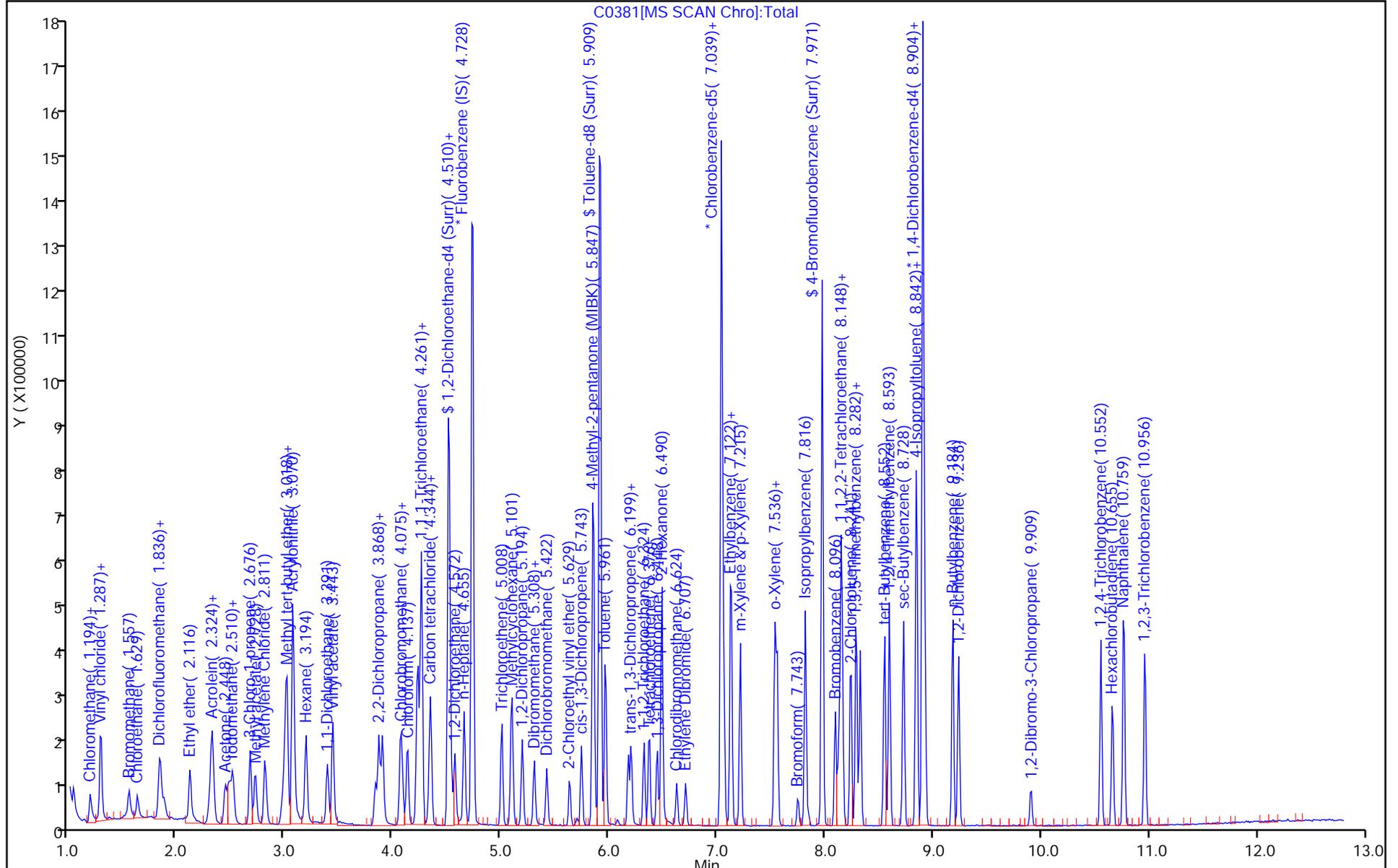
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

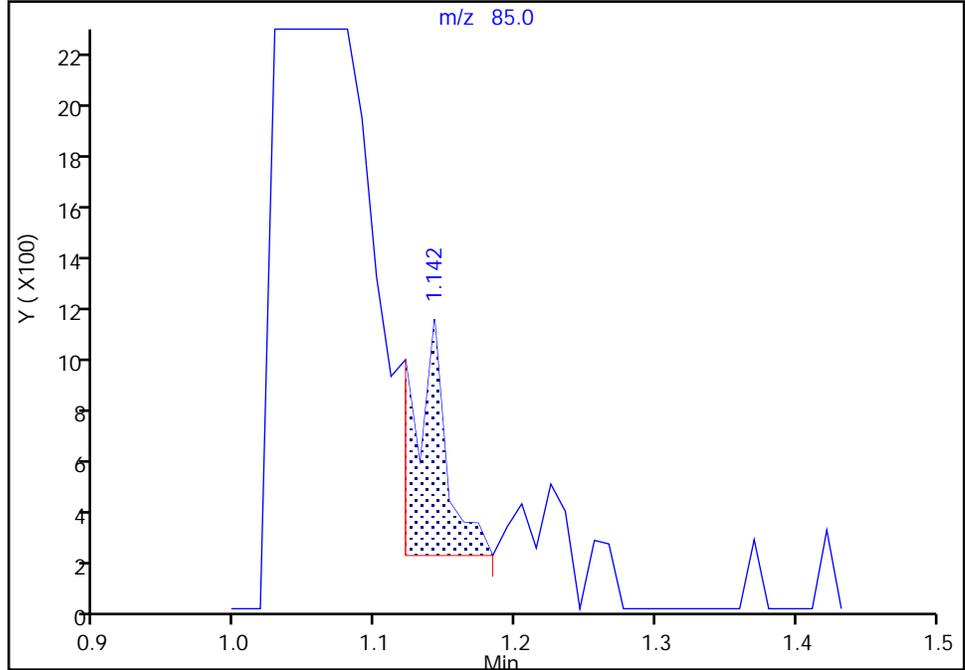
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0381.D
Injection Date: 13-Nov-2021 18:22:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: WD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

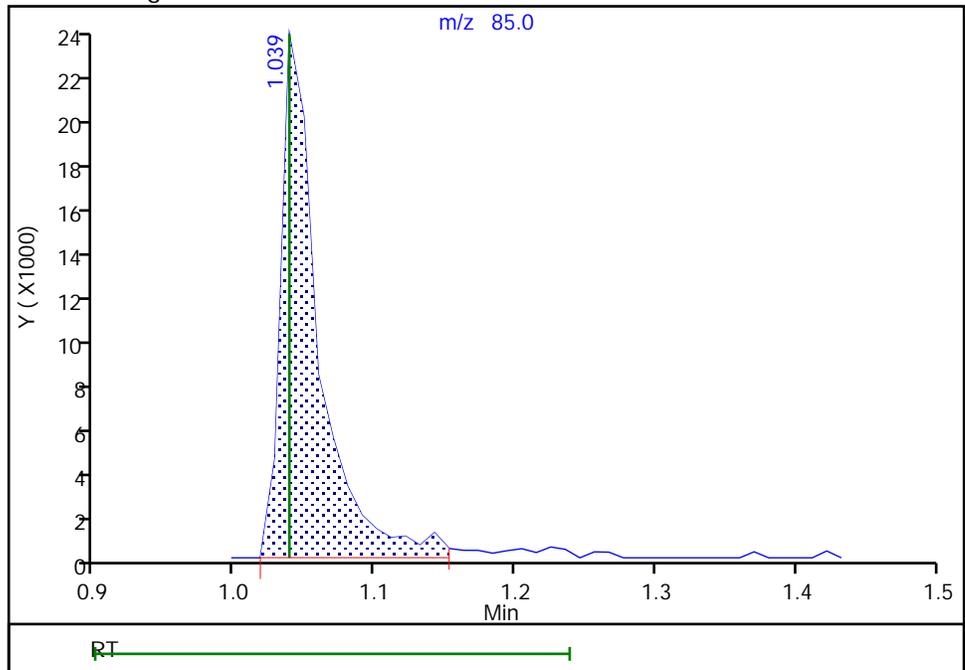
RT: 1.14
Area: 1555
Amount: 0.342270
Amount Units: ug/L

Processing Integration Results



RT: 1.04
Area: 44459
Amount: 5.118978
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:46:56
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Euofins TestAmerica, Buffalo

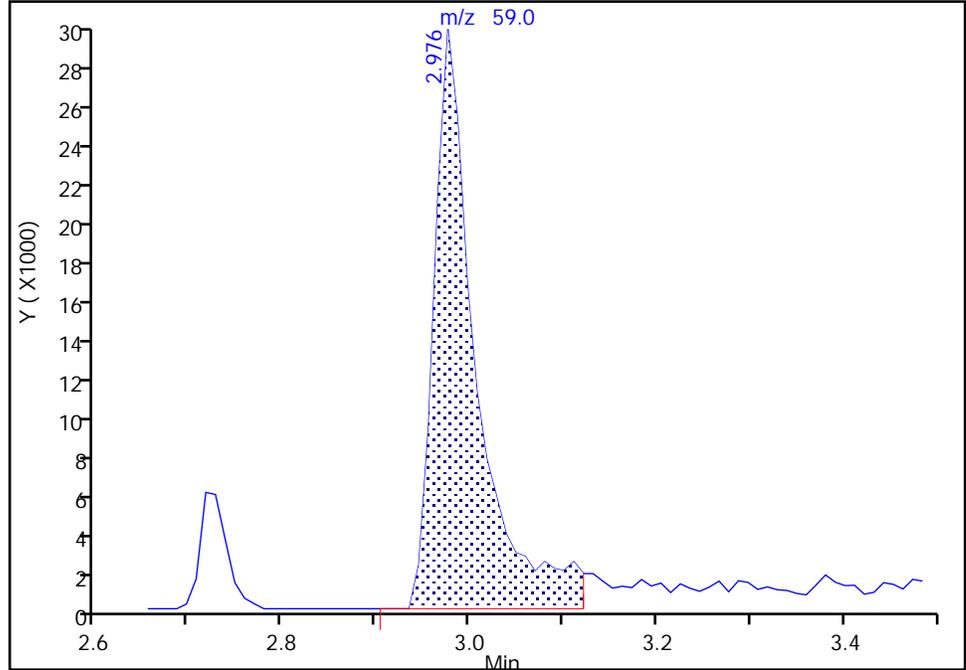
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Injection Date: 13-Nov-2021 18:22:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: WD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

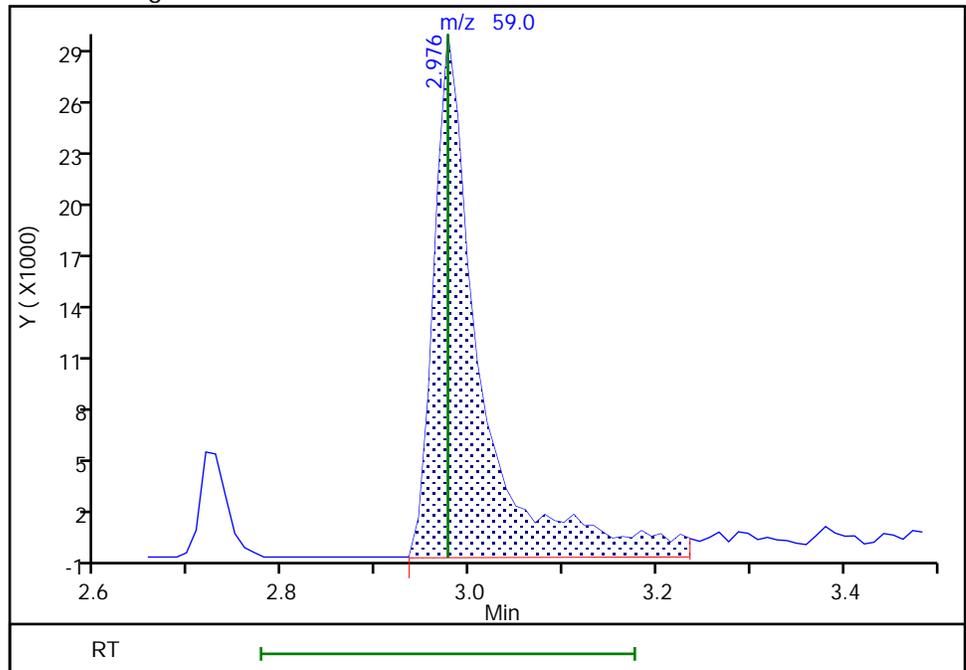
RT: 2.98
Area: 92588
Amount: 39.886684
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 101251
Amount: 41.926697
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:44:41
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

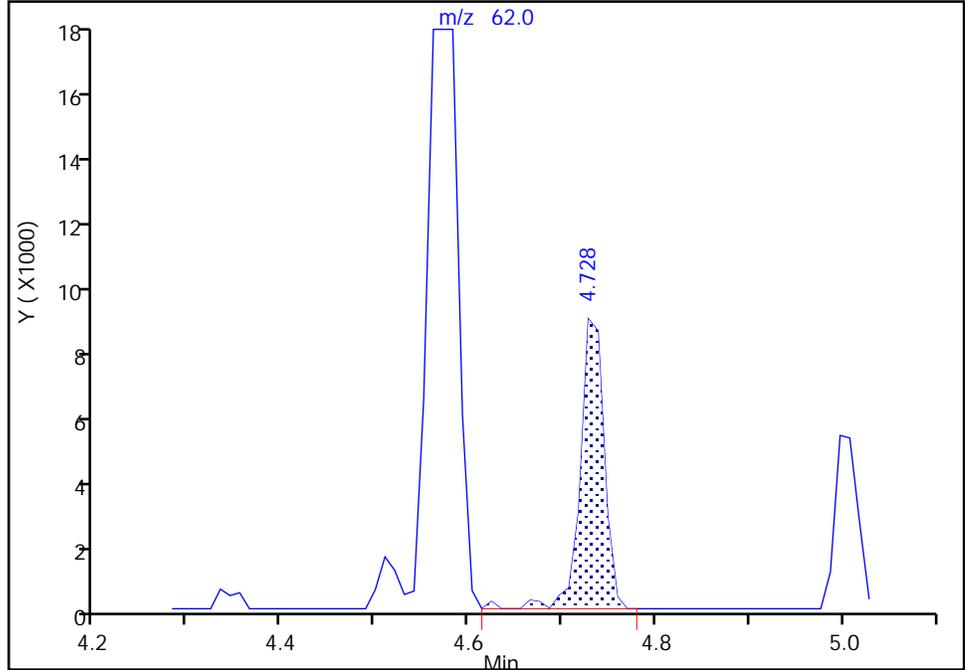
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0381.D
Injection Date: 13-Nov-2021 18:22:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: WD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

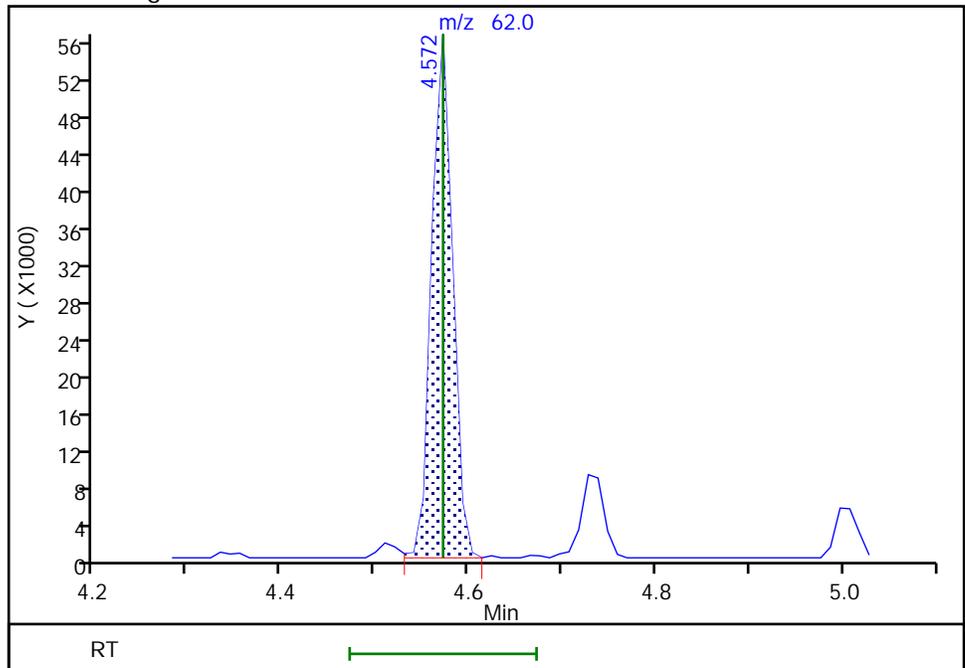
RT: 4.73
Area: 15889
Amount: 1.014507
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 87196
Amount: 5.097405
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

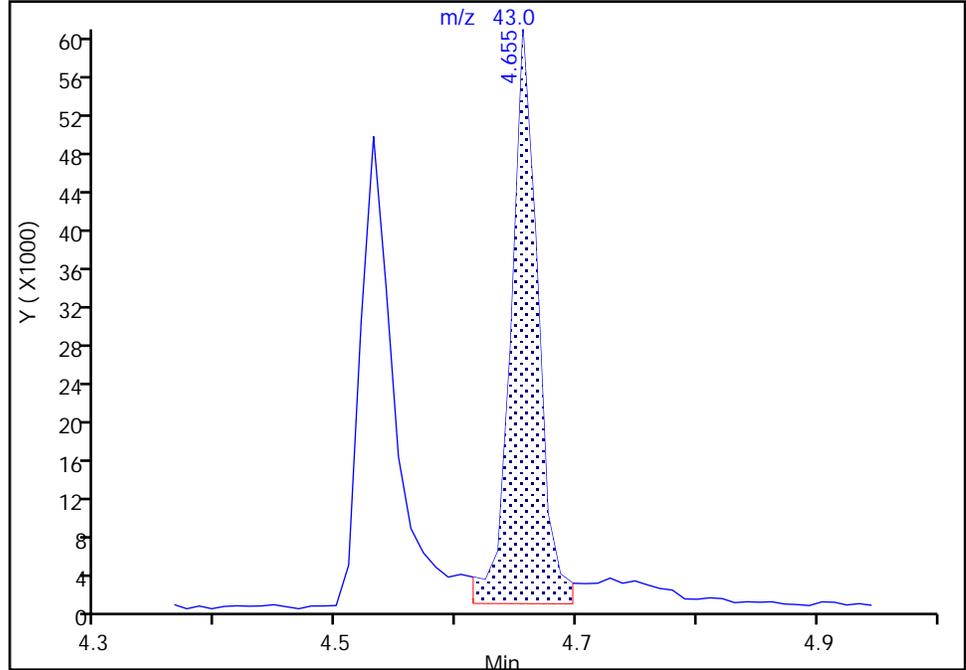
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0381.D
Injection Date: 13-Nov-2021 18:22:30 Instrument ID: HP5973C
Lims ID: IC 3
Client ID:
Operator ID: WD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

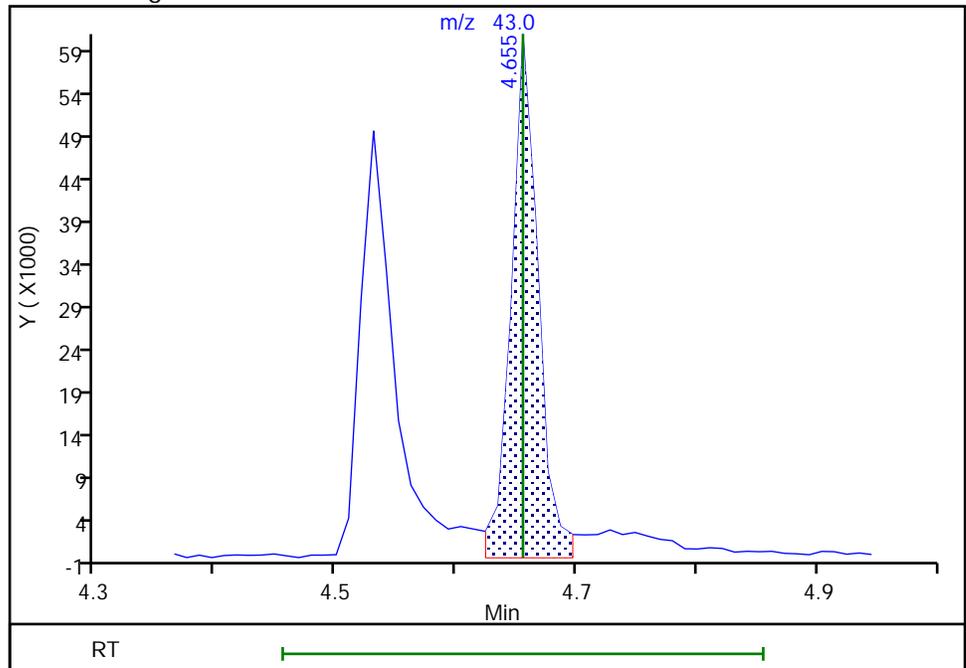
RT: 4.66
Area: 93626
Amount: 4.994469
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 94672
Amount: 5.074097
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:43:51
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0382.D
 Lims ID: IC 4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 13-Nov-2021 18:45:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 4
 Misc. Info.: 480-0102400-010
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:57:52 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 08:50:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.728	0.000	99	204625	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	87	366704	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	96	359916	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.261	0.001	93	278566	25.0	25.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	96	165744	25.0	25.8	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.909	0.011	93	892555	25.0	25.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.971	0.001	89	265758	25.0	25.8	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	99	53800	10.0	6.32	M
12 Chloromethane	50	1.194	1.194	0.000	99	109606	10.0	8.60	
13 Vinyl chloride	62	1.287	1.287	0.000	97	86877	10.0	7.80	
151 Butadiene	54	1.298	1.298	0.000	94	74719	10.0	6.55	
14 Bromomethane	94	1.557	1.557	0.000	92	64751	10.0	8.46	
15 Chloroethane	64	1.629	1.629	0.000	99	58475	10.0	8.16	
16 Dichlorofluoromethane	67	1.837	1.836	0.001	97	140217	10.0	8.25	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	94	84826	10.0	6.51	M
18 Ethyl ether	59	2.117	2.116	0.000	94	111685	10.0	9.88	
20 Acrolein	56	2.293	2.292	0.001	94	39346	50.0	56.0	
21 112TCTFE	101	2.313	2.313	0.000	93	91460	10.0	9.30	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	97	98135	10.0	9.79	
23 Acetone	43	2.448	2.448	0.000	100	325970	50.0	59.3	
25 Iodomethane	142	2.479	2.479	0.000	99	185609	10.0	10.0	
26 Carbon disulfide	76	2.510	2.510	0.000	100	320501	10.0	9.54	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	90	198282	10.0	9.49	
27 Methyl acetate	43	2.728	2.728	0.000	98	292651	20.0	19.7	
30 Methylene Chloride	84	2.811	2.811	0.000	97	120911	10.0	10.2	
31 2-Methyl-2-propanol	59	2.977	2.976	0.001	97	235831	100.0	99.7	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	99	367245	10.0	10.1	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	97	119422	10.0	10.0	
33 Acrylonitrile	53	3.070	3.070	0.000	98	777452	100.0	104.0	
35 Hexane	57	3.194	3.194	0.000	94	158185	10.0	9.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	215545	10.0	10.2	
37 Vinyl acetate	43	3.443	3.443	0.000	97	571796	20.0	20.0	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	94	97642	10.0	10.2	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	78	134695	10.0	10.2	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	483709	50.0	51.5	
48 Chlorobromomethane	128	4.065	4.065	0.000	97	70215	10.0	9.59	
49 Tetrahydrofuran	42	4.085	4.085	0.000	90	135385	20.0	20.5	
50 Chloroform	83	4.127	4.137	-0.010	95	210237	10.0	9.83	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	155389	10.0	9.54	
52 Cyclohexane	56	4.231	4.230	0.001	92	196809	10.0	9.58	
55 Carbon tetrachloride	117	4.334	4.334	0.000	96	119361	10.0	9.44	
54 1,1-Dichloropropene	75	4.345	4.344	0.001	94	146049	10.0	9.61	
57 Benzene	78	4.510	4.521	-0.011	98	440052	10.0	10.0	
53 Isobutyl alcohol	43	4.531	4.531	0.000	93	217453	250.0	250.7	
58 1,2-Dichloroethane	62	4.573	4.572	0.001	97	173325	10.0	10.3	a
59 n-Heptane	43	4.655	4.655	0.000	95	180801	10.0	9.89	M
62 Trichloroethene	95	5.008	5.008	0.000	97	114781	10.0	10.1	
64 Methylcyclohexane	83	5.101	5.101	0.000	94	178835	10.0	9.17	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	94	109732	10.0	10.1	
66 1,4-Dioxane	88	5.308	5.308	0.000	36	33684	200.0	207.0	
67 Dibromomethane	93	5.308	5.308	0.000	96	75116	10.0	9.87	
68 Dichlorobromomethane	83	5.422	5.422	0.000	98	121716	10.0	9.74	
69 2-Chloroethyl vinyl ether	63	5.630	5.629	0.001	94	68282	10.0	9.67	
72 cis-1,3-Dichloropropene	75	5.744	5.743	0.001	94	147779	10.0	9.55	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	932531	50.0	53.6	
74 Toluene	92	5.961	5.961	0.000	99	251598	10.0	10.2	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	95	126351	10.0	9.96	
75 Ethyl methacrylate	69	6.200	6.199	0.001	92	142674	10.0	10.2	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	91	78629	10.0	9.93	
81 Tetrachloroethene	166	6.376	6.376	0.000	95	100243	10.0	9.45	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	94	154703	10.0	10.3	
80 2-Hexanone	43	6.490	6.490	0.000	97	604546	50.0	52.3	
83 Chlorodibromomethane	129	6.624	6.624	0.000	89	79760	10.0	9.65	
84 Ethylene Dibromide	107	6.707	6.707	0.000	97	102349	10.0	10.3	
87 Chlorobenzene	112	7.060	7.059	0.001	94	274164	10.0	10.1	
88 Ethylbenzene	91	7.122	7.122	0.000	99	478863	10.0	9.82	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	93	92527	10.0	9.68	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	96	190305	10.0	10.0	
91 o-Xylene	106	7.536	7.536	0.000	97	195917	10.0	10.1	
92 Styrene	104	7.557	7.557	0.000	96	301066	10.0	9.84	
95 Bromoform	173	7.744	7.743	0.001	95	47788	10.0	9.58	
94 Isopropylbenzene	105	7.816	7.816	0.000	95	509109	10.0	10.1	
101 Bromobenzene	156	8.096	8.096	0.000	93	119266	10.0	10.6	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	158250	10.0	10.8	
99 N-Propylbenzene	91	8.148	8.148	0.000	98	564091	10.0	9.88	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	89	52951	10.0	10.8	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	77	48584	10.0	10.6	
103 2-Chlorotoluene	126	8.241	8.241	0.000	97	118008	10.0	9.95	
102 1,3,5-Trimethylbenzene	105	8.283	8.282	0.000	94	435845	10.0	10.1	
105 4-Chlorotoluene	126	8.324	8.324	0.000	98	116419	10.0	10.2	
106 tert-Butylbenzene	134	8.552	8.552	0.000	93	89076	10.0	9.88	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	449803	10.0	9.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	533613	10.0	9.87	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	470815	10.0	9.91	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	245834	10.0	10.7	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	94	245204	10.0	10.2	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	425782	10.0	9.83	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	97	254002	10.0	10.2	
117 1,2-Dibromo-3-Chloropropane	75	9.910	9.899	0.011	84	34466	10.0	10.2	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	95	200951	10.0	10.1	
120 Hexachlorobutadiene	225	10.656	10.666	-0.010	97	84386	10.0	9.61	
121 Naphthalene	128	10.759	10.759	0.000	97	678887	10.0	10.2	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	95	193752	10.0	9.66	
S 123 Total BTEX	1				0			50.2	
S 124 Xylenes, Total	1				0			20.1	
S 126 1,3-Dichloropropene, Total	1				0			19.5	
S 125 1,2-Dichloroethene, Total	1				0			20.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 5.00

Units: uL

GAS CORP mix_00480

Amount Added: 5.00

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0382.D

Injection Date: 13-Nov-2021 18:45:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: IC 4

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

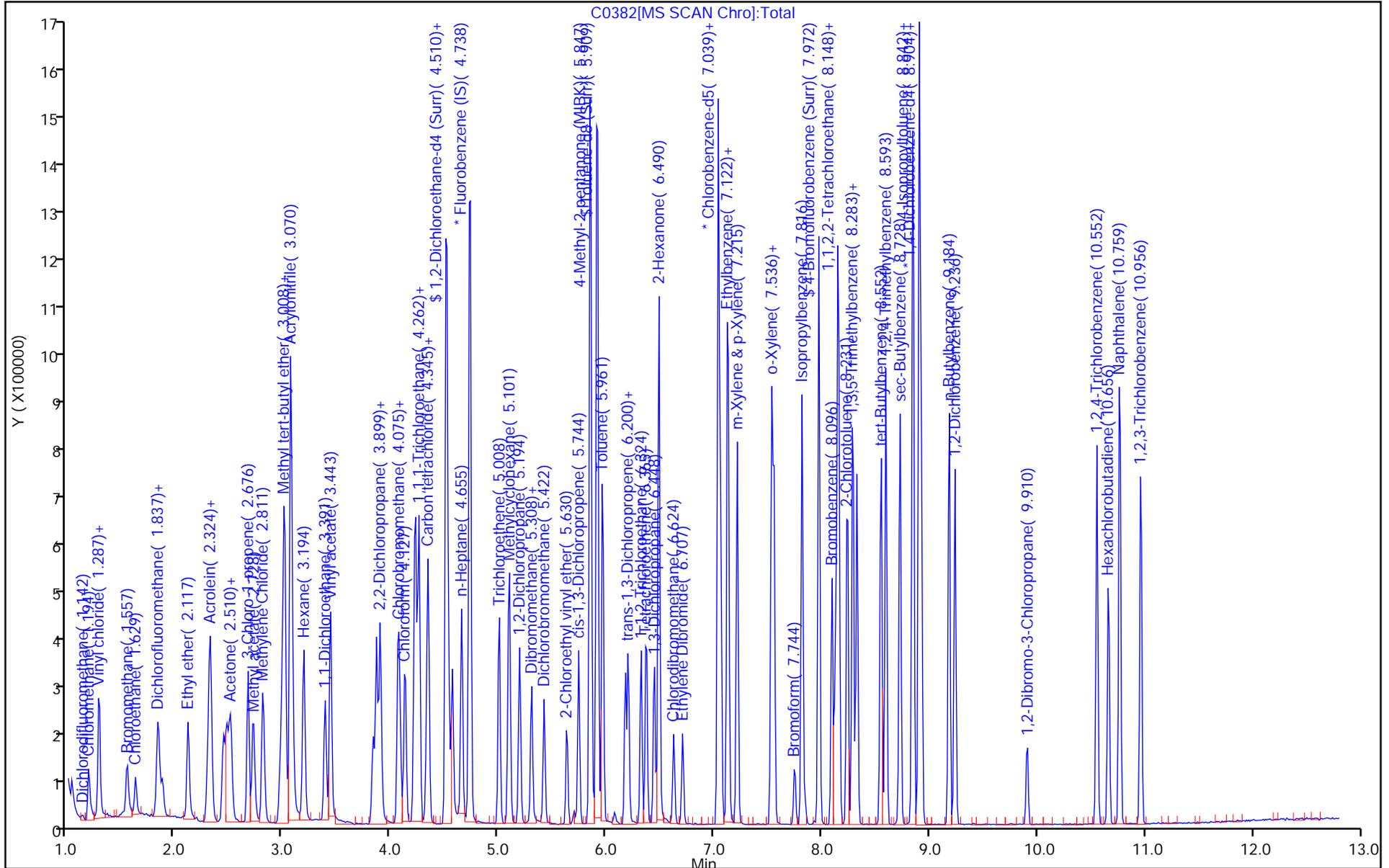
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

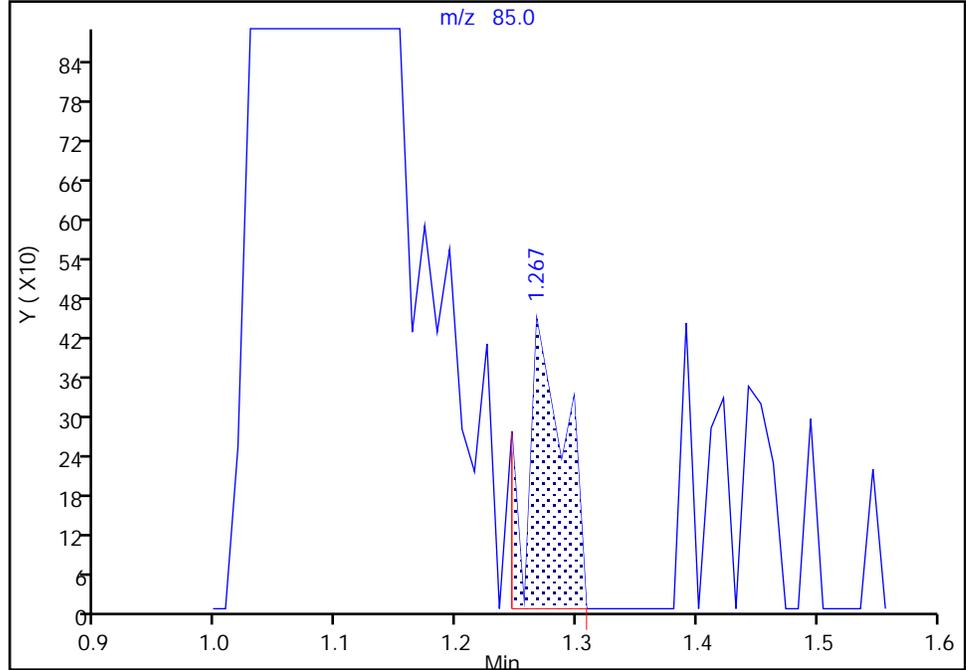
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Injection Date: 13-Nov-2021 18:45:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

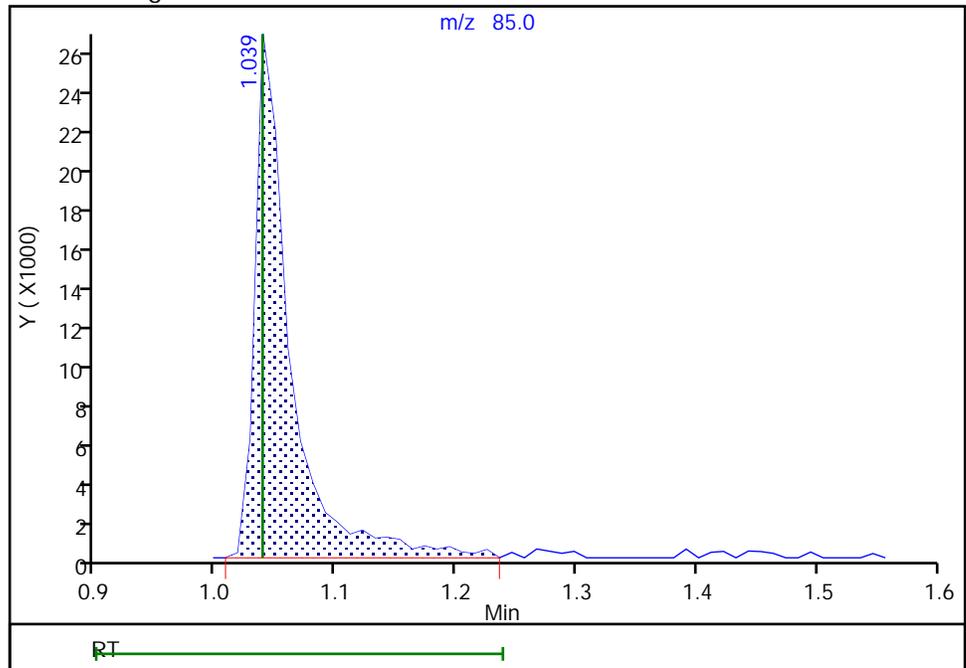
RT: 1.27
Area: 996
Amount: 0.181053
Amount Units: ug/L

Processing Integration Results



RT: 1.04
Area: 53800
Amount: 6.323606
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:48:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

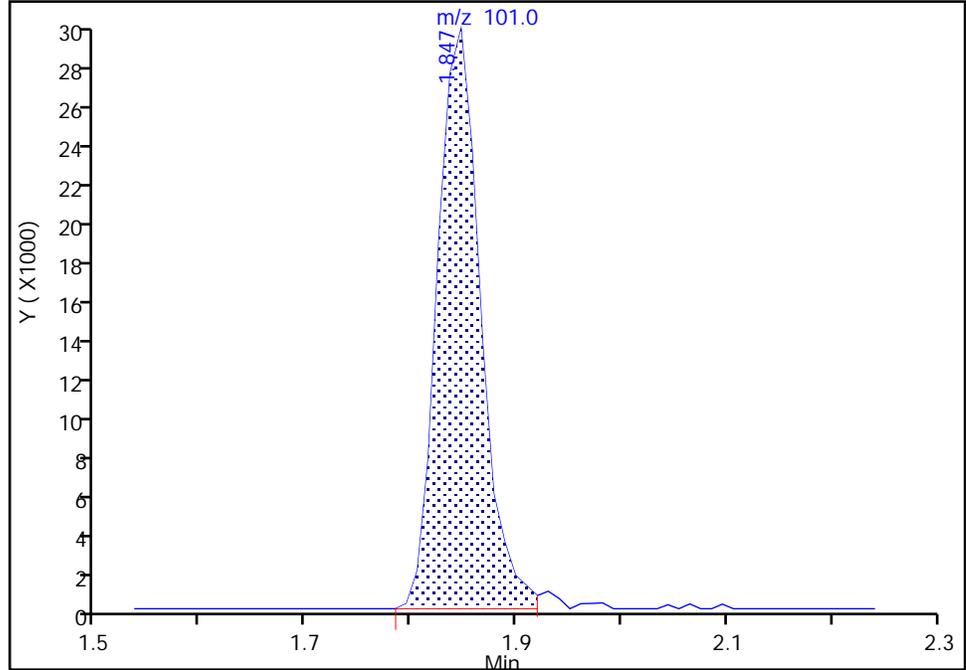
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0382.D
Injection Date: 13-Nov-2021 18:45:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

17 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

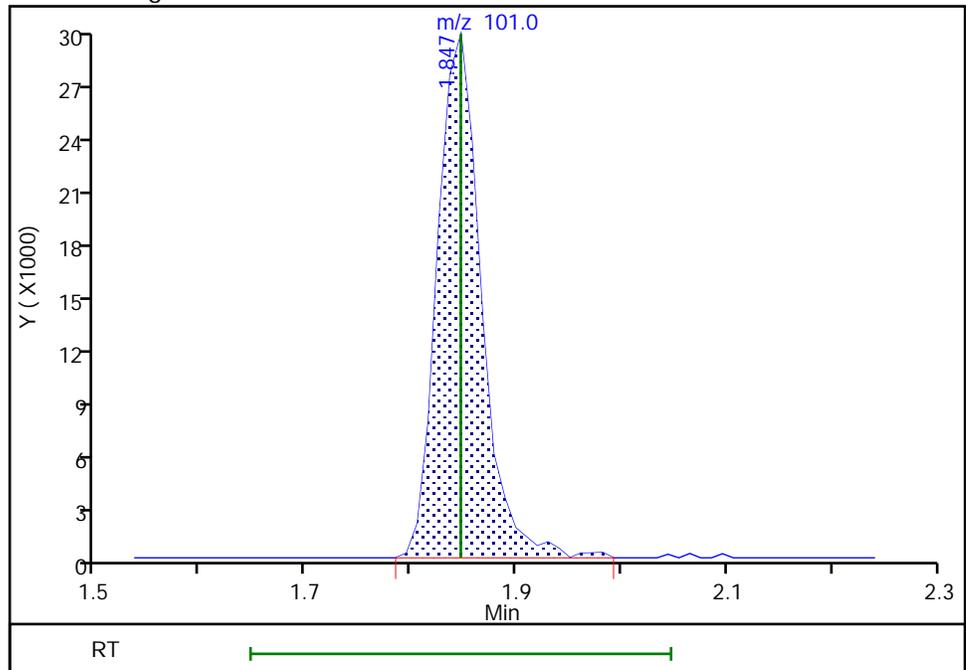
RT: 1.85
Area: 83442
Amount: 6.411479
Amount Units: ug/L

Processing Integration Results



RT: 1.85
Area: 84826
Amount: 6.509169
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:49:54
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

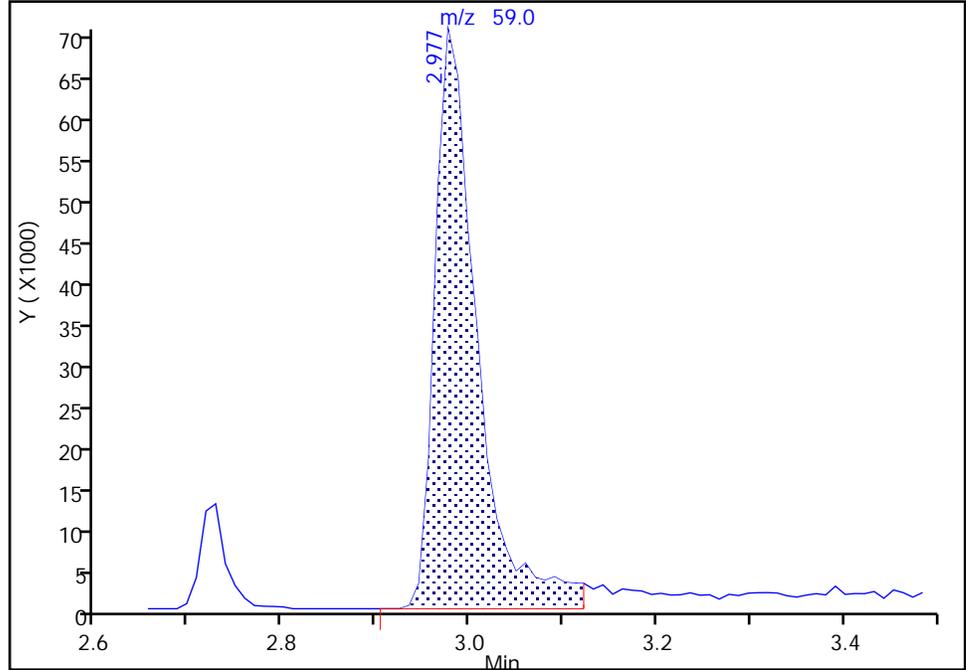
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Injection Date: 13-Nov-2021 18:45:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

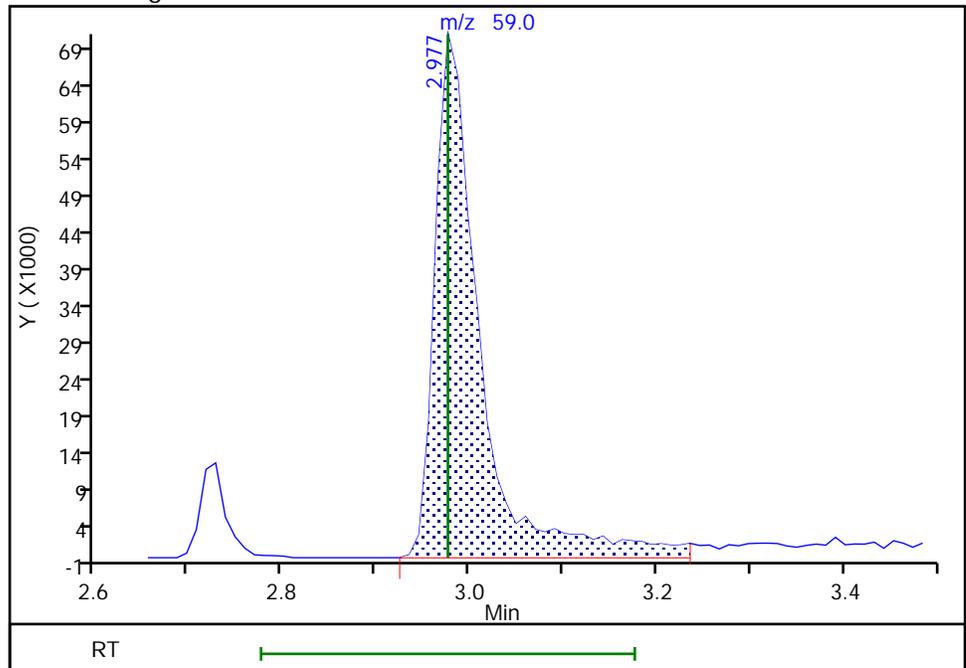
RT: 2.98
Area: 221395
Amount: 95.936246
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 235831
Amount: 99.689904
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:48:52
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

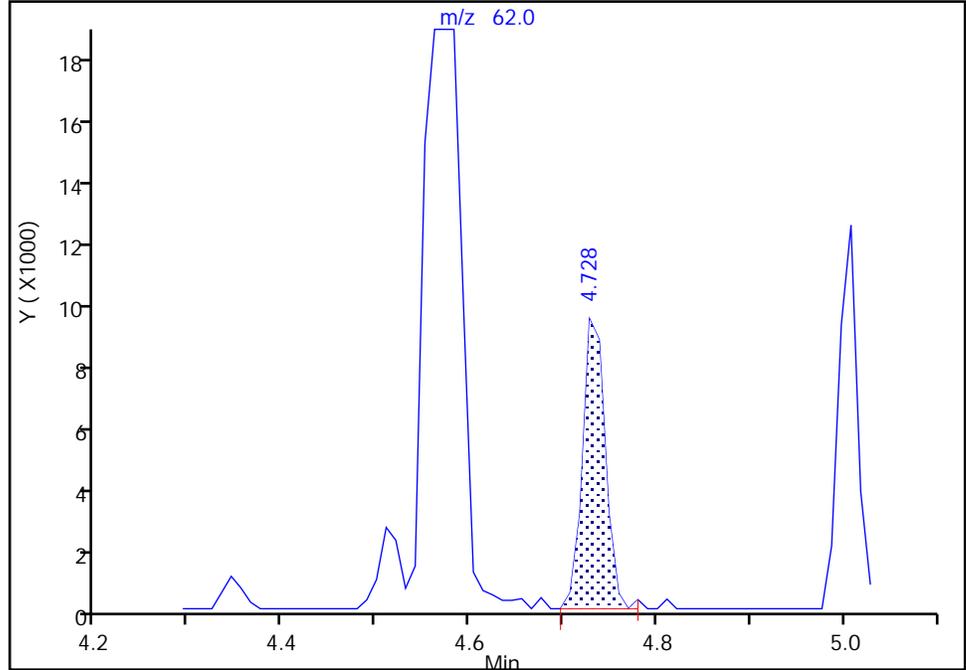
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Injection Date: 13-Nov-2021 18:45:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

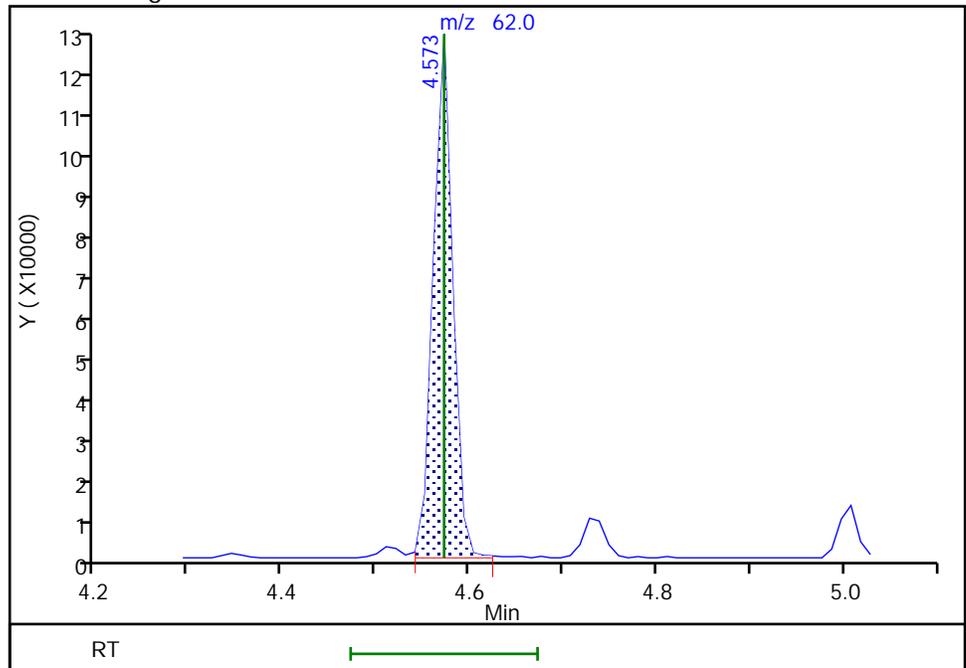
RT: 4.73
Area: 15472
Amount: 1.157316
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 173325
Amount: 10.343624
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

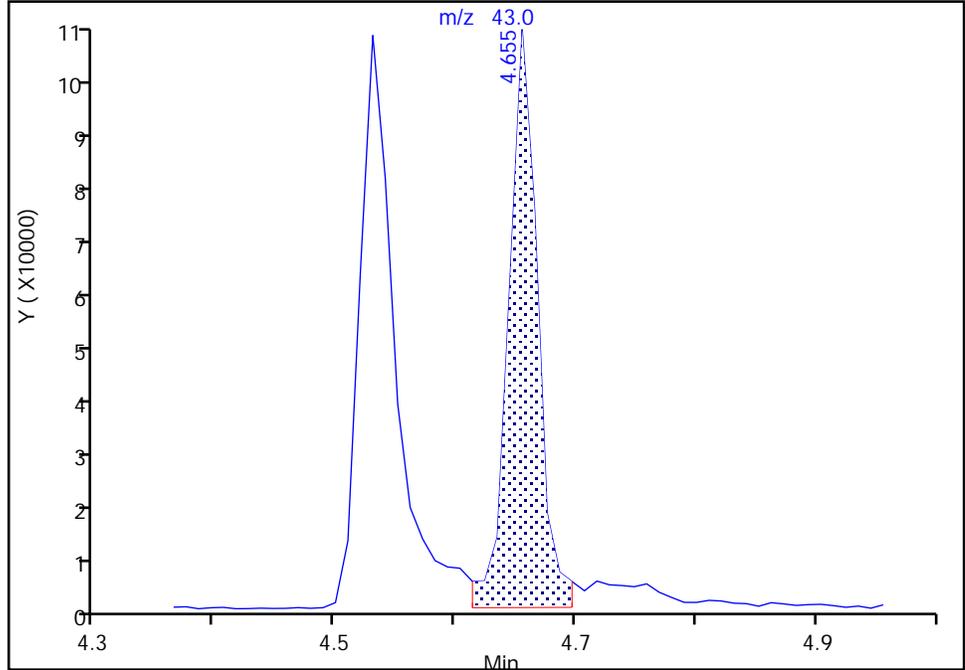
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Injection Date: 13-Nov-2021 18:45:30 Instrument ID: HP5973C
Lims ID: IC 4
Client ID:
Operator ID: WD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

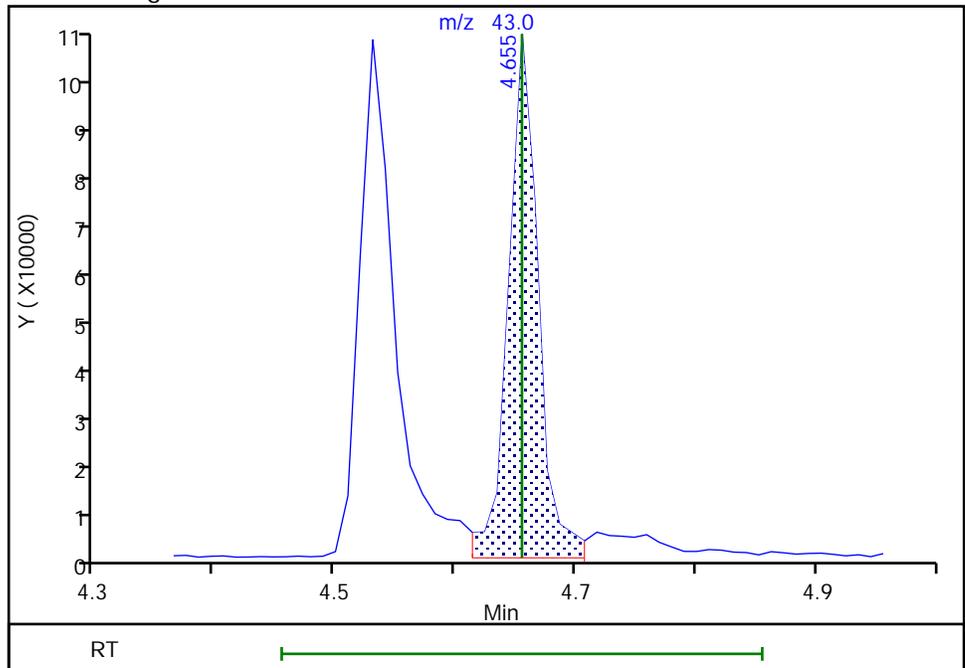
RT: 4.66
Area: 176808
Amount: 9.614979
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 180801
Amount: 9.892293
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:50:25
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0383.D
 Lims ID: ICIS 5
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 13-Nov-2021 19:07:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICIS 5
 Misc. Info.: 480-0102400-011
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:57:56 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 10:52:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	99	207152	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	85	375183	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	95	393044	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	94	281264	25.0	25.7	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	96	170590	25.0	26.2	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	93	891631	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.000	89	263781	25.0	25.0	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	99	190759	25.0	22.1	M
12 Chloromethane	50	1.194	1.194	0.000	99	303363	25.0	23.5	
13 Vinyl chloride	62	1.287	1.287	0.000	98	268278	25.0	23.8	
151 Butadiene	54	1.298	1.298	0.000	91	256103	25.0	22.2	
14 Bromomethane	94	1.557	1.557	0.000	91	187298	25.0	24.2	
15 Chloroethane	64	1.629	1.629	0.000	100	168222	25.0	23.2	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	97	413269	25.0	24.0	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	96	308081	25.0	23.4	
18 Ethyl ether	59	2.116	2.116	0.000	95	276143	25.0	24.1	
20 Acrolein	56	2.293	2.293	0.000	98	97094	125.0	144.3	
21 112TCTFE	101	2.313	2.313	0.000	94	220987	25.0	22.2	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	97	231558	25.0	22.8	
23 Acetone	43	2.448	2.448	0.000	99	796644	125.0	150.5	
25 Iodomethane	142	2.479	2.479	0.000	99	446752	25.0	23.9	
26 Carbon disulfide	76	2.510	2.510	0.000	99	795092	25.0	23.4	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	90	484694	25.0	22.9	
27 Methyl acetate	43	2.718	2.718	0.000	99	783139	50.0	52.1	
30 Methylene Chloride	84	2.811	2.811	0.000	97	290774	25.0	24.6	
31 2-Methyl-2-propanol	59	2.977	2.977	0.000	99	613269	250.0	256.1	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	99	923671	25.0	25.0	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	99	298276	25.0	24.7	
33 Acrylonitrile	53	3.070	3.070	0.000	98	1987853	250.0	262.6	
35 Hexane	57	3.194	3.194	0.000	94	358892	25.0	21.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	518780	25.0	24.2	
37 Vinyl acetate	43	3.443	3.443	0.000	97	1516729	50.0	52.3	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	93	236006	25.0	24.3	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	80	326591	25.0	24.5	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	1209169	125.0	127.2	
48 Chlorobromomethane	128	4.065	4.065	0.000	97	176201	25.0	23.8	
49 Tetrahydrofuran	42	4.085	4.085	0.000	90	337548	50.0	50.5	
50 Chloroform	83	4.137	4.137	0.000	94	508377	25.0	23.5	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	376768	25.0	22.8	
52 Cyclohexane	56	4.231	4.231	0.000	92	464605	25.0	22.3	
55 Carbon tetrachloride	117	4.334	4.334	0.000	97	295515	25.0	23.1	
54 1,1-Dichloropropene	75	4.345	4.345	0.000	98	345671	25.0	22.5	
57 Benzene	78	4.521	4.521	0.000	97	1067494	25.0	23.9	
53 Isobutyl alcohol	43	4.531	4.531	0.000	94	583263	625.0	664.2	
58 1,2-Dichloroethane	62	4.572	4.572	0.000	97	408957	25.0	24.1	M
59 n-Heptane	43	4.655	4.655	0.000	95	420936	25.0	22.8	M
62 Trichloroethene	95	5.008	5.008	0.000	96	274193	25.0	23.9	
64 Methylcyclohexane	83	5.101	5.101	0.000	92	425690	25.0	21.6	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	95	270466	25.0	24.5	
67 Dibromomethane	93	5.308	5.308	0.000	96	187761	25.0	24.4	
66 1,4-Dioxane	88	5.308	5.308	0.000	35	81609	500.0	490.1	
68 Dichlorobromomethane	83	5.422	5.422	0.000	99	313290	25.0	24.8	
69 2-Chloroethyl vinyl ether	63	5.630	5.630	0.000	92	178540	25.0	25.0	a
72 cis-1,3-Dichloropropene	75	5.744	5.744	0.000	94	383270	25.0	24.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	2393929	125.0	134.6	
74 Toluene	92	5.961	5.961	0.000	98	605283	25.0	24.1	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	95	332021	25.0	25.6	
75 Ethyl methacrylate	69	6.199	6.199	0.000	91	361732	25.0	25.3	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	92	193319	25.0	23.9	
81 Tetrachloroethene	166	6.376	6.376	0.000	95	241573	25.0	22.3	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	93	380660	25.0	24.9	
80 2-Hexanone	43	6.490	6.490	0.000	97	1505210	125.0	127.2	
83 Chlorodibromomethane	129	6.624	6.624	0.000	91	205143	25.0	24.3	
84 Ethylene Dibromide	107	6.707	6.707	0.000	100	246115	25.0	24.2	
87 Chlorobenzene	112	7.060	7.060	0.000	94	668595	25.0	24.1	
88 Ethylbenzene	91	7.122	7.122	0.000	98	1158194	25.0	23.2	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	94	248513	25.0	25.4	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	96	464025	25.0	23.9	
91 o-Xylene	106	7.536	7.536	0.000	97	486309	25.0	24.4	
92 Styrene	104	7.557	7.557	0.000	95	740664	25.0	23.7	
95 Bromoform	173	7.744	7.744	0.000	97	131353	25.0	25.7	
94 Isopropylbenzene	105	7.816	7.816	0.000	95	1246920	25.0	22.7	
101 Bromobenzene	156	8.096	8.096	0.000	93	291165	25.0	23.8	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	95	401406	25.0	25.1	
99 N-Propylbenzene	91	8.148	8.148	0.000	98	1400609	25.0	22.5	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	88	132878	25.0	24.9	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	76	108952	25.0	21.8	
103 2-Chlorotoluene	126	8.241	8.241	0.000	97	295520	25.0	22.8	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	94	1087104	25.0	23.0	
105 4-Chlorotoluene	126	8.324	8.324	0.000	97	290899	25.0	23.4	
106 tert-Butylbenzene	134	8.552	8.552	0.000	93	226696	25.0	23.0	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	1130992	25.0	22.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	1326650	25.0	22.5	a
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	1168204	25.0	22.5	a
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	584731	25.0	23.3	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	93	586937	25.0	22.4	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	1044728	25.0	22.1	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	97	625421	25.0	23.1	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.909	0.000	84	89171	25.0	24.2	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	95	504089	25.0	23.1	
120 Hexachlorobutadiene	225	10.666	10.666	0.000	97	209863	25.0	21.9	
121 Naphthalene	128	10.770	10.770	0.000	97	1750654	25.0	24.1	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	96	500716	25.0	22.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217	Amount Added: 12.50	Units: uL	
GAS CORP mix_00480	Amount Added: 12.50	Units: uL	
C_8260_IS_00158	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00177	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0383.D

Injection Date: 13-Nov-2021 19:07:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: ICIS 5

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

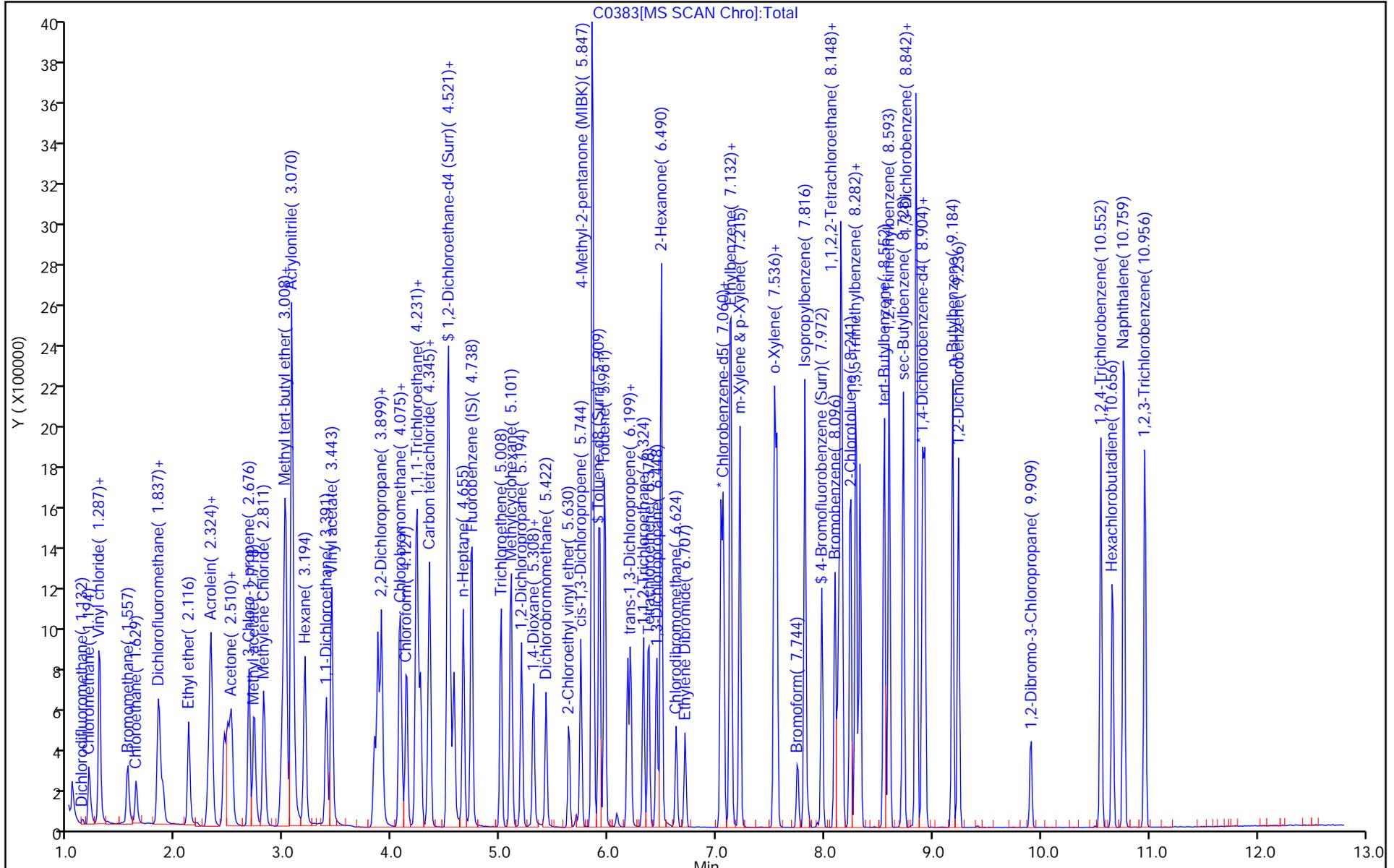
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

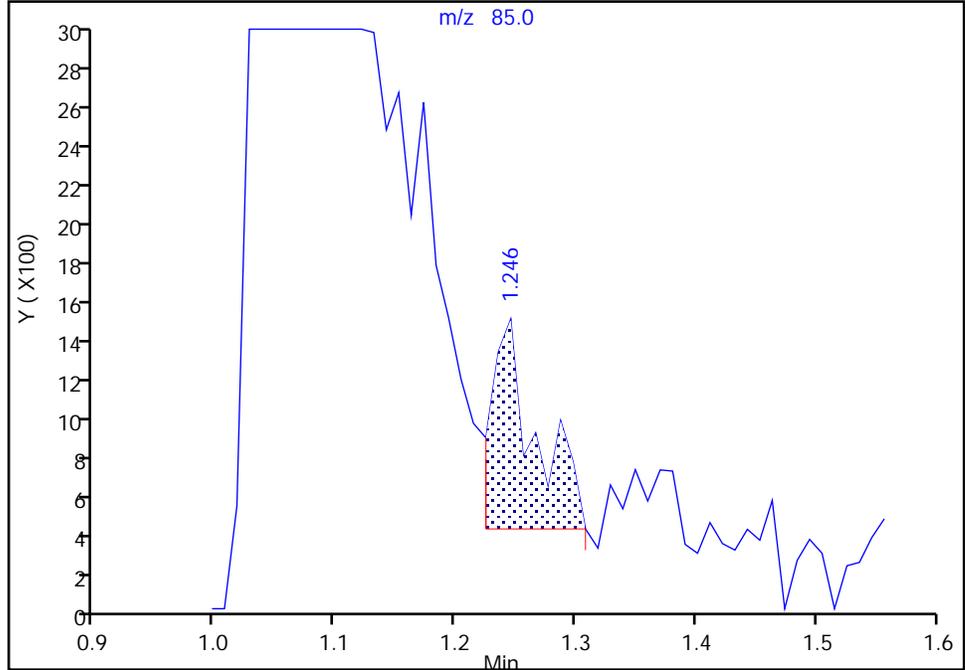
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Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

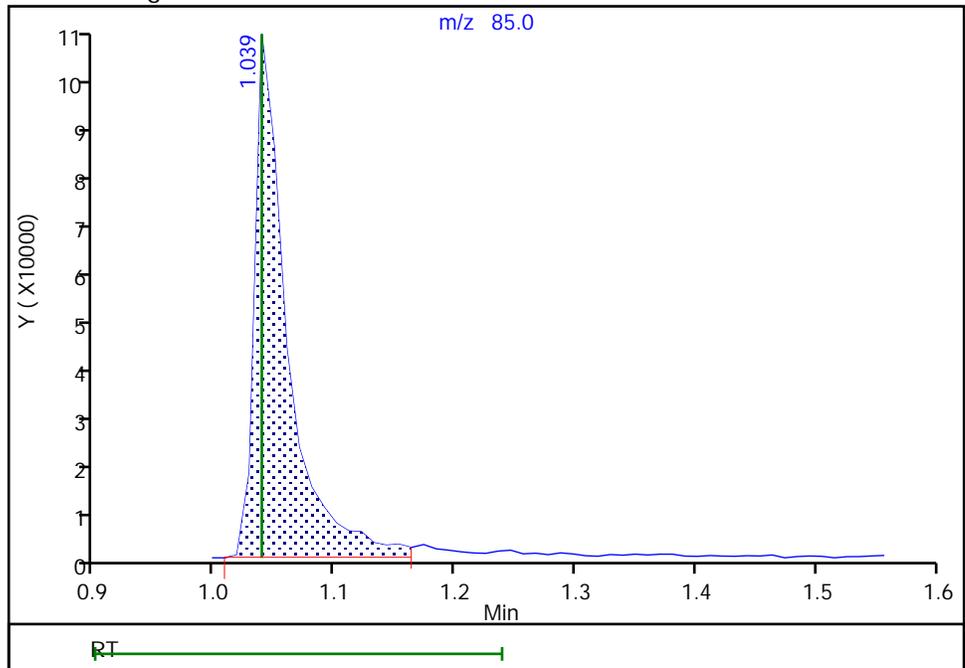
RT: 1.25
Area: 2705
Amount: 18.250103
Amount Units: ug/L

Processing Integration Results



RT: 1.04
Area: 190759
Amount: 22.148134
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:08:43
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

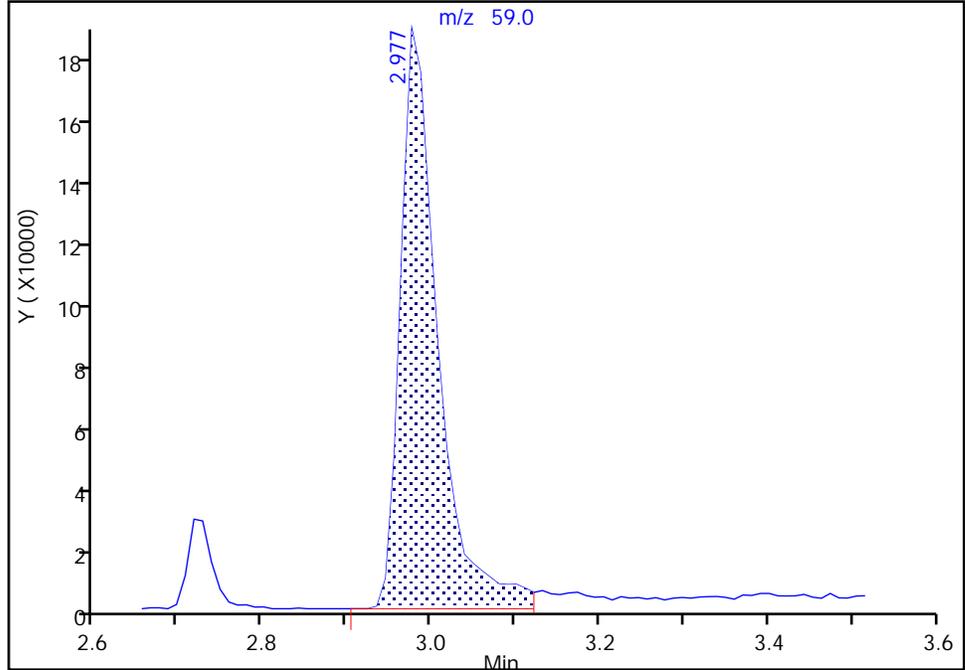
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Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

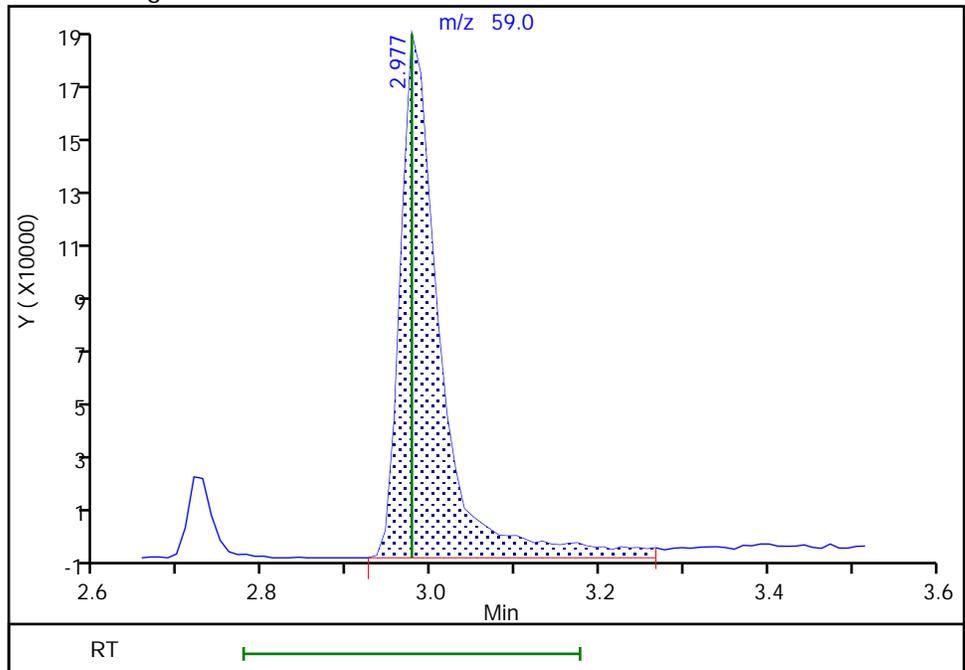
RT: 2.98
Area: 577471
Amount: 245.2630
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 613269
Amount: 256.0772
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:51:20
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

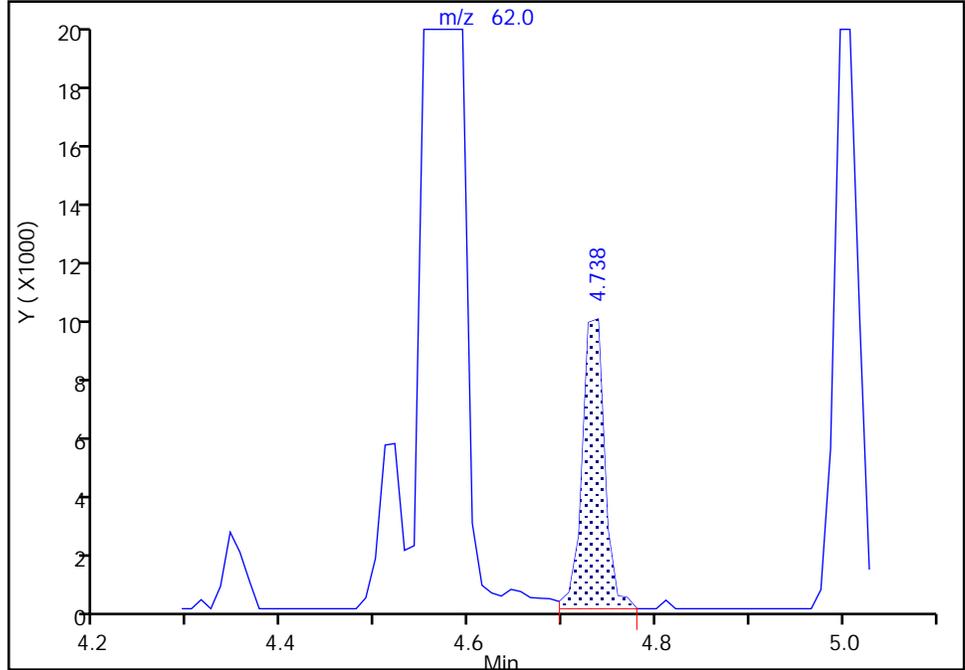
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0383.D
Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

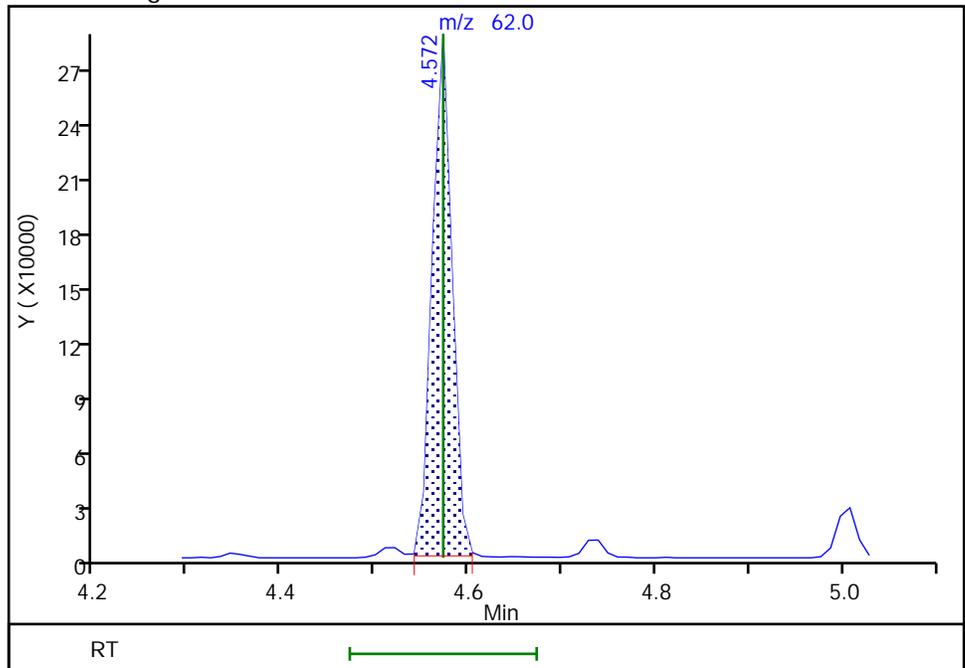
RT: 4.74
Area: 15860
Amount: 1.370967
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 408957
Amount: 24.107864
Amount Units: ug/L

Manual Integration Results



Euofins TestAmerica, Buffalo

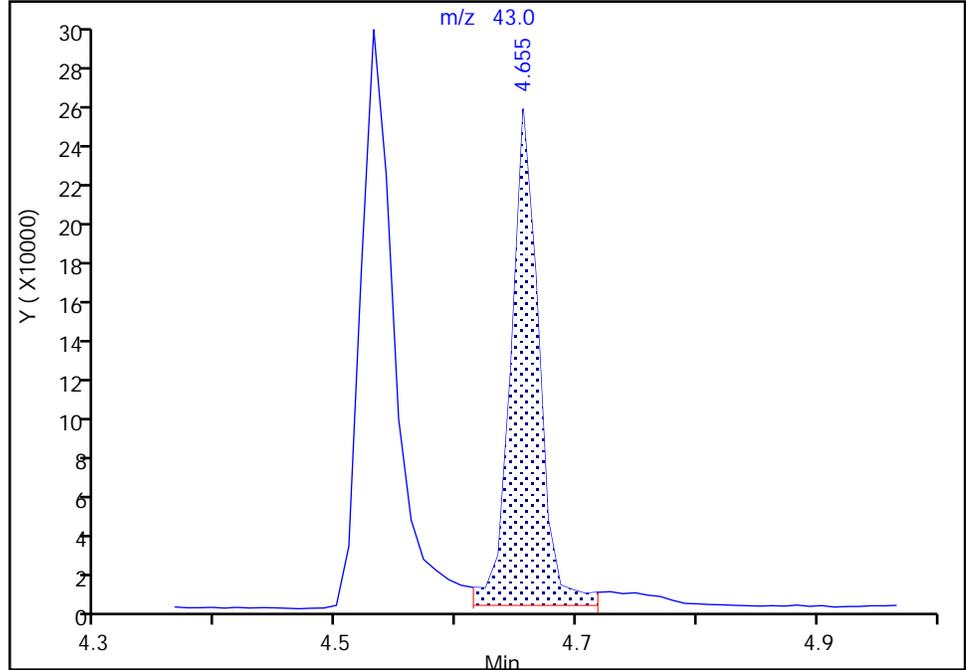
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Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

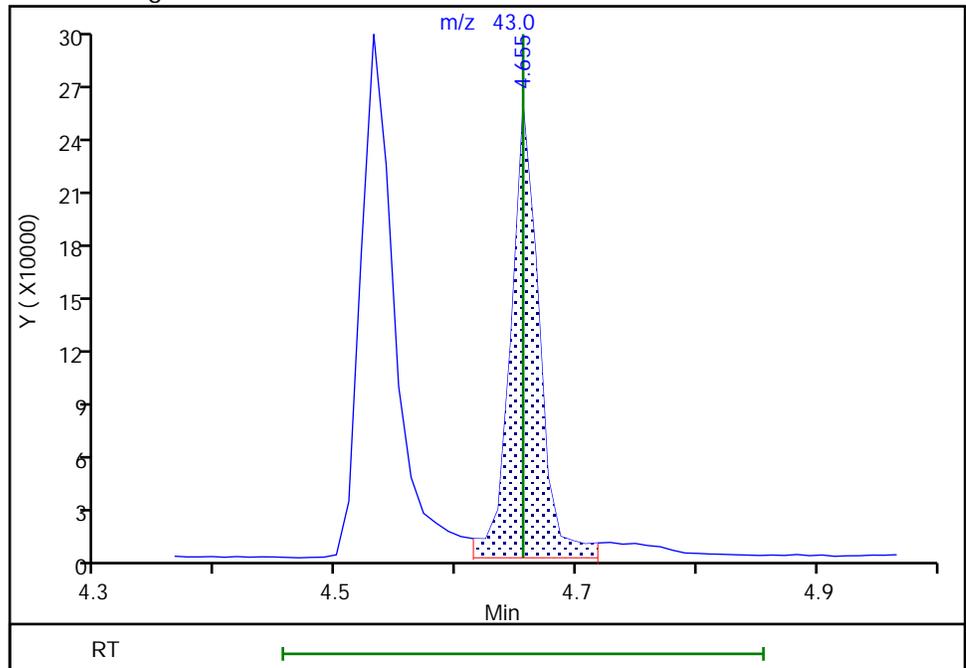
RT: 4.66
Area: 409610
Amount: 21.943675
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 420936
Amount: 22.750020
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:50:53
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

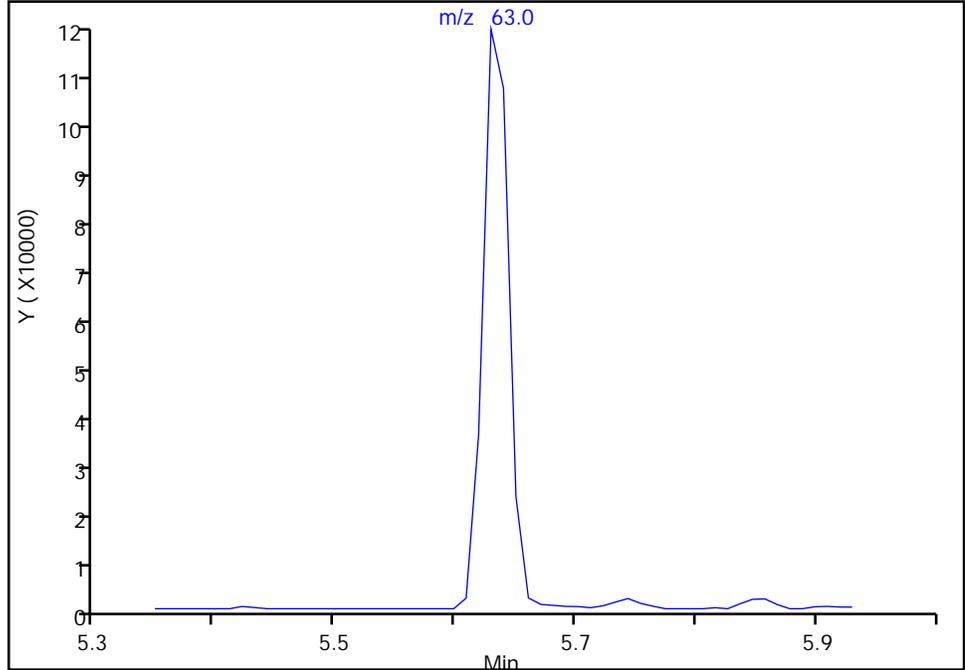
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Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

69 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

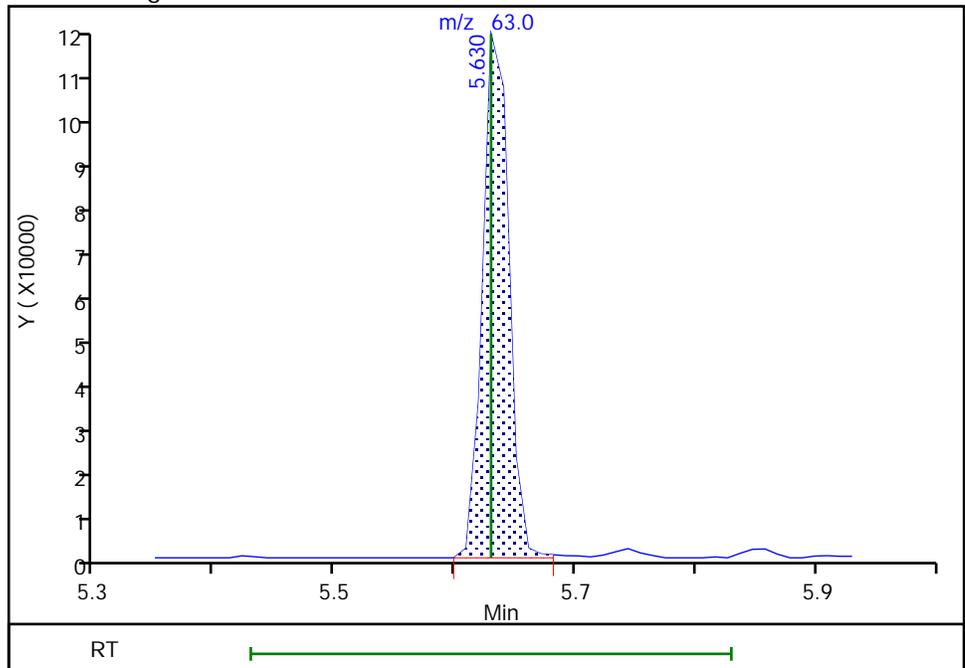
Not Detected
Expected RT: 5.63

Processing Integration Results



Manual Integration Results

RT: 5.63
Area: 178540
Amount: 24.969671
Amount Units: ug/L



Eurofins TestAmerica, Buffalo

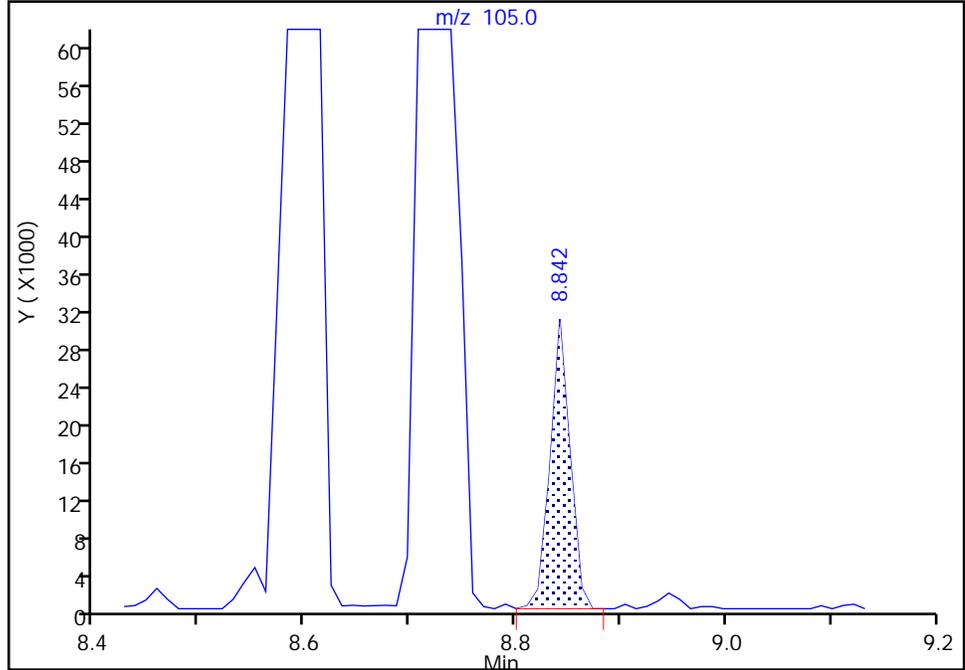
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Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

109 sec-Butylbenzene, CAS: 135-98-8

Signal: 1

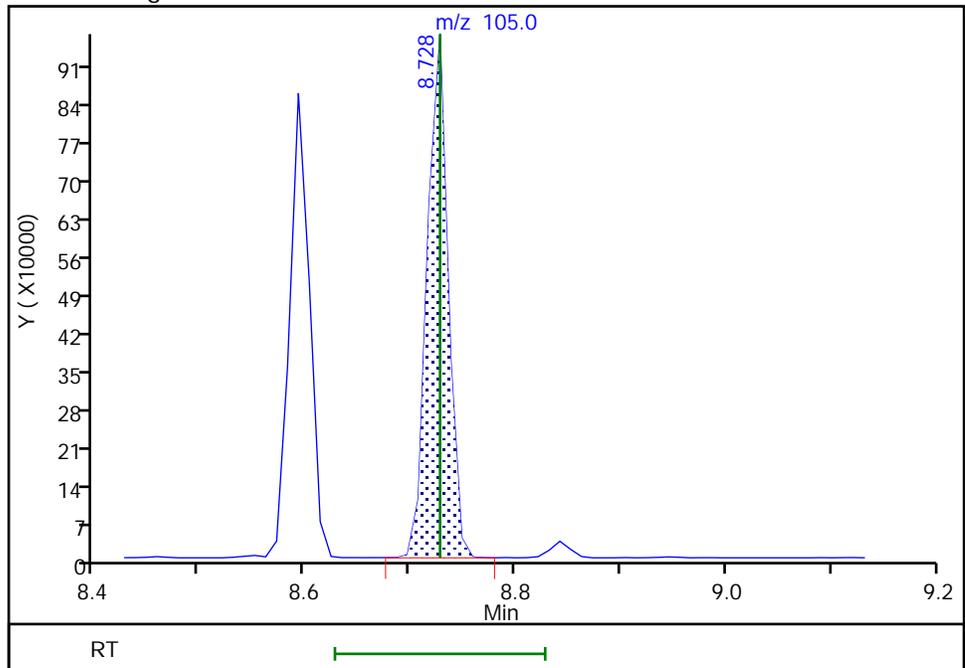
RT: 8.84
Area: 39939
Amount: 3.048296
Amount Units: ug/L

Processing Integration Results



RT: 8.73
Area: 1326650
Amount: 22.477793
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:33:27
Audit Action: Assigned Compound ID

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

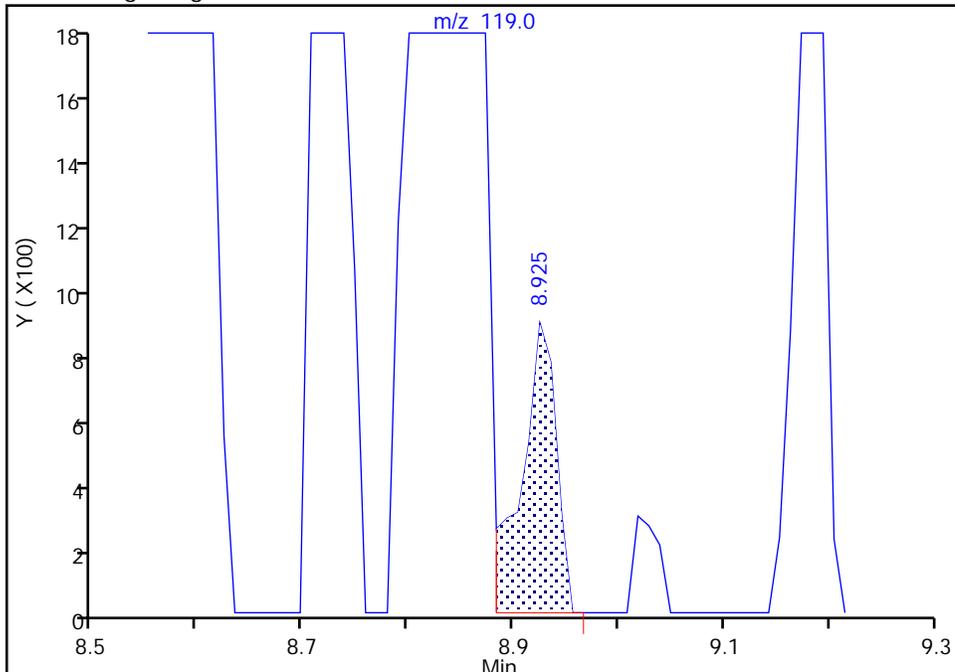
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Injection Date: 13-Nov-2021 19:07:30 Instrument ID: HP5973C
Lims ID: ICIS 5
Client ID:
Operator ID: WD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

110 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

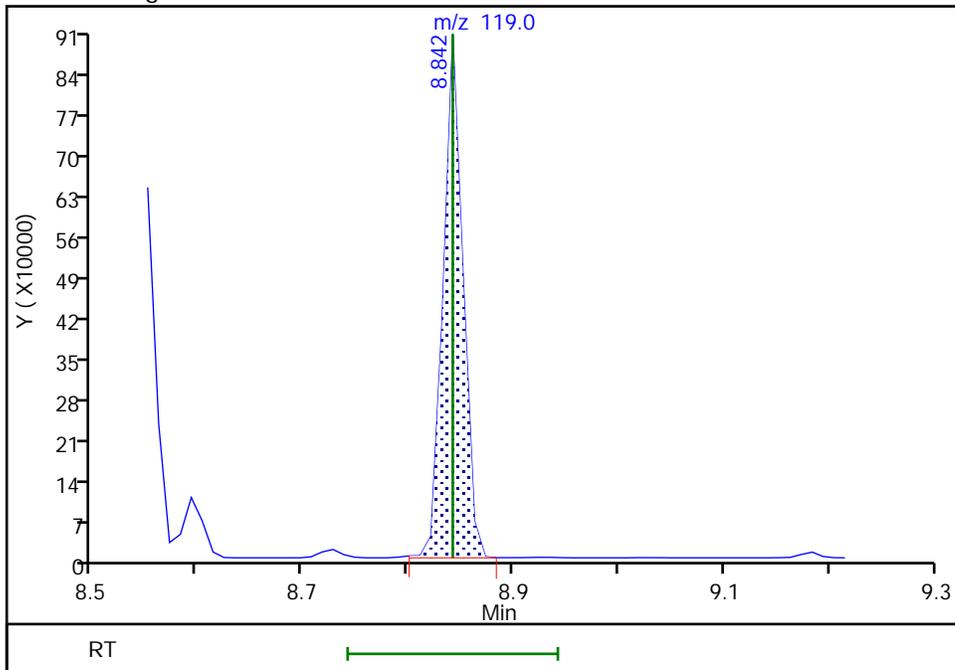
RT: 8.92
Area: 2015
Amount: 0.067958
Amount Units: ug/L

Processing Integration Results



RT: 8.84
Area: 1168204
Amount: 22.524235
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0384.D
 Lims ID: IC 6
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 13-Nov-2021 19:30:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 6
 Misc. Info.: 480-0102400-012
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:58:00 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 08:52:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	99	209775	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	86	374326	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	95	349690	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	93	274368	25.0	24.8	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	45	155296	25.0	23.5	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	898237	25.0	25.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.000	88	281394	25.0	26.7	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	99	467435	50.0	53.6	M
12 Chloromethane	50	1.194	1.194	0.000	99	677735	50.0	51.8	
13 Vinyl chloride	62	1.287	1.287	0.000	98	640337	50.0	56.1	
151 Butadiene	54	1.287	1.298	-0.011	93	662769	50.0	56.7	
14 Bromomethane	94	1.557	1.557	0.000	89	399572	50.0	50.9	
15 Chloroethane	64	1.629	1.629	0.000	99	375736	50.0	51.2	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	98	922847	50.0	53.0	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	99	772368	50.0	57.8	
18 Ethyl ether	59	2.116	2.116	0.000	94	539000	50.0	46.5	
20 Acrolein	56	2.293	2.293	0.000	99	149964	250.0	223.0	
21 112TCTFE	101	2.313	2.313	0.000	94	549060	50.0	54.5	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	97	537628	50.0	52.3	
23 Acetone	43	2.448	2.448	0.000	99	1256894	250.0	237.4	
25 Iodomethane	142	2.479	2.479	0.000	99	949349	50.0	50.1	
26 Carbon disulfide	76	2.510	2.510	0.000	100	1817149	50.0	52.7	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	91	1019919	50.0	47.6	
27 Methyl acetate	43	2.717	2.718	-0.001	99	1189313	100.0	78.1	
30 Methylene Chloride	84	2.811	2.811	0.000	96	613609	50.0	51.4	
31 2-Methyl-2-propanol	59	2.977	2.977	0.000	98	1038635	500.0	428.3	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	98	1726792	50.0	46.1	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	98	631091	50.0	51.6	
33 Acrylonitrile	53	3.070	3.070	0.000	99	3162427	500.0	412.6	
35 Hexane	57	3.194	3.194	0.000	94	905469	50.0	53.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	1080314	50.0	49.8	
37 Vinyl acetate	43	3.443	3.443	0.000	97	3014738	100.0	102.7	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	93	509322	50.0	51.8	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	80	678364	50.0	50.3	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	2060216	250.0	214.0	
48 Chlorobromomethane	128	4.065	4.065	0.000	98	349395	50.0	46.5	
49 Tetrahydrofuran	42	4.075	4.085	-0.010	90	552194	100.0	81.5	M
50 Chloroform	83	4.137	4.137	0.000	94	1041036	50.0	47.5	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	863213	50.0	51.7	
52 Cyclohexane	56	4.230	4.231	0.000	93	1145778	50.0	54.4	
55 Carbon tetrachloride	117	4.334	4.334	0.000	97	710594	50.0	54.8	
54 1,1-Dichloropropene	75	4.344	4.345	0.000	94	809816	50.0	52.0	
57 Benzene	78	4.521	4.521	0.000	98	2328453	50.0	51.6	
53 Isobutyl alcohol	43	4.531	4.531	0.000	94	1022033	1250.0	1149.2	
58 1,2-Dichloroethane	62	4.572	4.572	0.000	97	803451	50.0	46.8	Ma
59 n-Heptane	43	4.655	4.655	0.000	94	1104374	50.0	58.9	M
62 Trichloroethene	95	5.008	5.008	0.000	97	621849	50.0	53.5	
64 Methylcyclohexane	83	5.101	5.101	0.000	92	1075121	50.0	53.8	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	95	551690	50.0	49.3	
66 1,4-Dioxane	88	5.308	5.308	0.000	35	177790	1000.0	1070.2	
67 Dibromomethane	93	5.308	5.308	0.000	96	368842	50.0	47.3	
68 Dichlorobromomethane	83	5.422	5.422	0.000	99	676807	50.0	52.8	
69 2-Chloroethyl vinyl ether	63	5.629	5.630	-0.001	93	361634	50.0	49.9	
72 cis-1,3-Dichloropropene	75	5.743	5.744	-0.001	94	830332	50.0	52.4	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	4115180	250.0	231.9	
74 Toluene	92	5.961	5.961	0.000	98	1332245	50.0	53.1	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	97	724645	50.0	56.0	
75 Ethyl methacrylate	69	6.199	6.199	0.000	91	746370	50.0	52.2	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	91	405559	50.0	50.2	
81 Tetrachloroethene	166	6.376	6.376	0.000	97	572732	50.0	52.9	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	93	788251	50.0	51.6	
80 2-Hexanone	43	6.490	6.490	0.000	98	2901933	250.0	245.8	
83 Chlorodibromomethane	129	6.624	6.624	0.000	90	468505	50.0	55.5	
84 Ethylene Dibromide	107	6.707	6.707	0.000	97	522948	50.0	51.5	
87 Chlorobenzene	112	7.060	7.060	0.000	95	1443395	50.0	52.2	
88 Ethylbenzene	91	7.122	7.122	0.000	99	2562918	50.0	51.5	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	95	531492	50.0	54.5	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	97	1010950	50.0	52.2	
91 o-Xylene	106	7.536	7.536	0.000	97	1042463	50.0	52.5	
92 Styrene	104	7.557	7.557	0.000	95	1622839	50.0	52.0	
95 Bromoform	173	7.744	7.744	0.000	96	291050	50.0	57.2	
94 Isopropylbenzene	105	7.816	7.816	0.000	95	2813720	50.0	57.5	
101 Bromobenzene	156	8.096	8.096	0.000	94	615602	50.0	56.5	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	794543	50.0	55.8	
99 N-Propylbenzene	91	8.148	8.148	0.000	99	3191294	50.0	57.5	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	88	260860	50.0	54.9	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	78	249164	50.0	56.0	
103 2-Chlorotoluene	126	8.241	8.241	0.000	97	633905	50.0	55.0	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	94	2393597	50.0	57.0	
105 4-Chlorotoluene	126	8.324	8.324	0.000	97	618305	50.0	55.9	
106 tert-Butylbenzene	134	8.552	8.552	0.000	93	528250	50.0	60.3	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	2462284	50.0	56.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	3137452	50.0	59.7	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	2681505	50.0	58.1	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	1252810	50.0	56.1	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	94	1248062	50.0	53.5	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	2434474	50.0	57.8	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	98	1290103	50.0	53.5	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.909	0.000	86	191929	50.0	58.5	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	95	1069523	50.0	55.1	
120 Hexachlorobutadiene	225	10.666	10.666	0.000	97	493699	50.0	57.9	
121 Naphthalene	128	10.770	10.770	0.000	97	3589566	50.0	55.5	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	96	1041588	50.0	53.5	
S 123 Total BTEX	1				0			260.9	
S 124 Xylenes, Total	1				0			104.7	
S 126 1,3-Dichloropropene, Total	1				0			108.3	
S 125 1,2-Dichloroethene, Total	1				0			101.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 25.00

Units: uL

GAS CORP mix_00480

Amount Added: 25.00

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

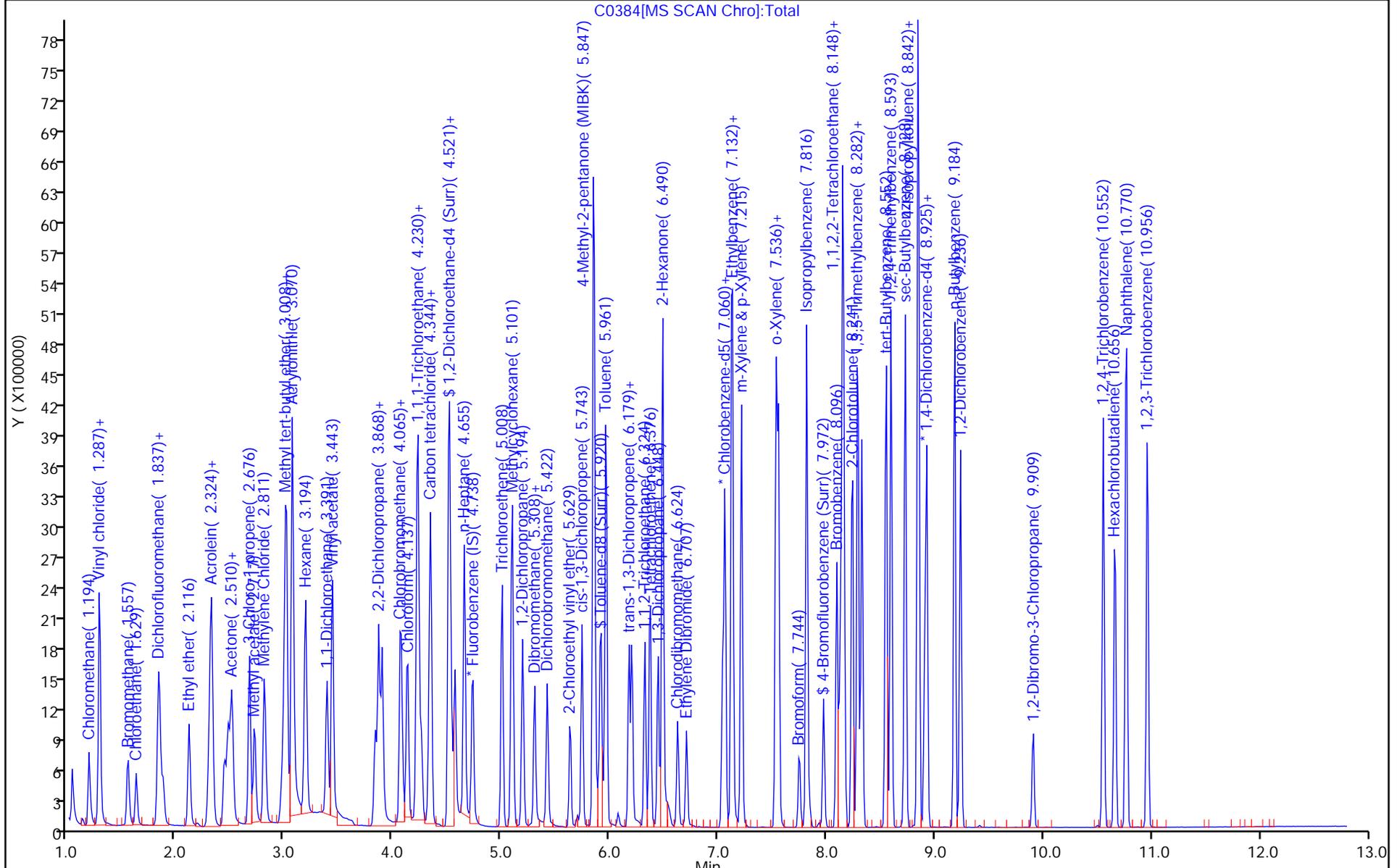
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C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo

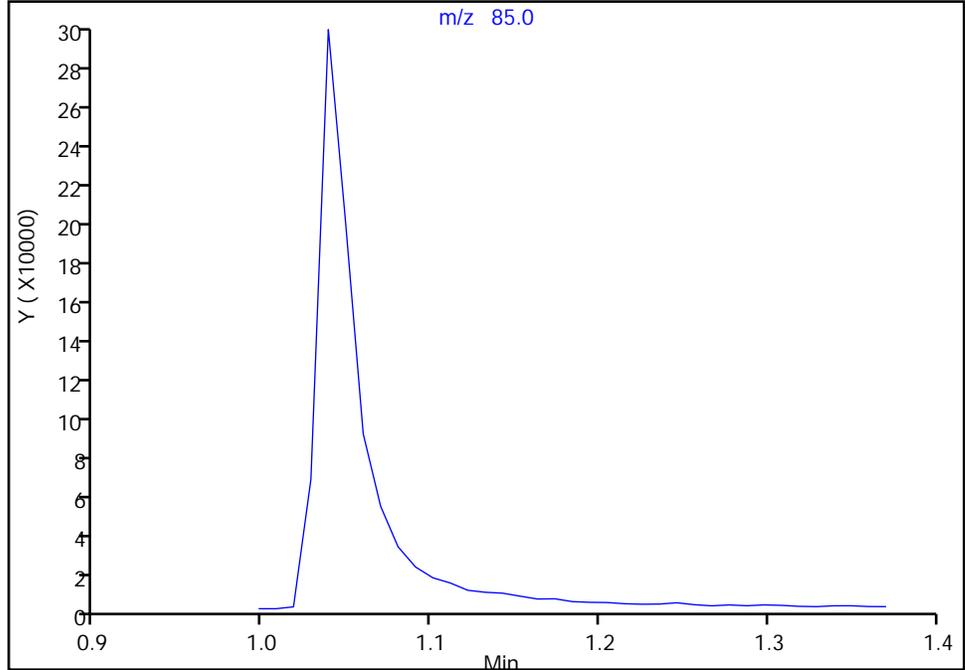
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Injection Date: 13-Nov-2021 19:30:30 Instrument ID: HP5973C
Lims ID: IC 6
Client ID:
Operator ID: WD ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

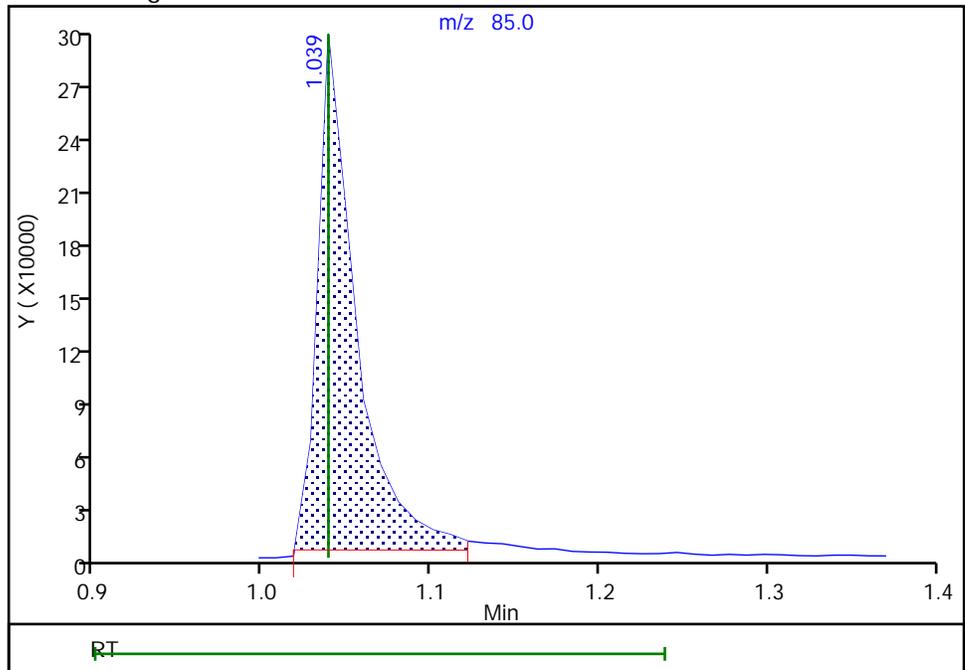
Not Detected
Expected RT: 1.04

Processing Integration Results



Manual Integration Results

RT: 1.04
Area: 467435
Amount: 53.593082
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 08:53:12
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

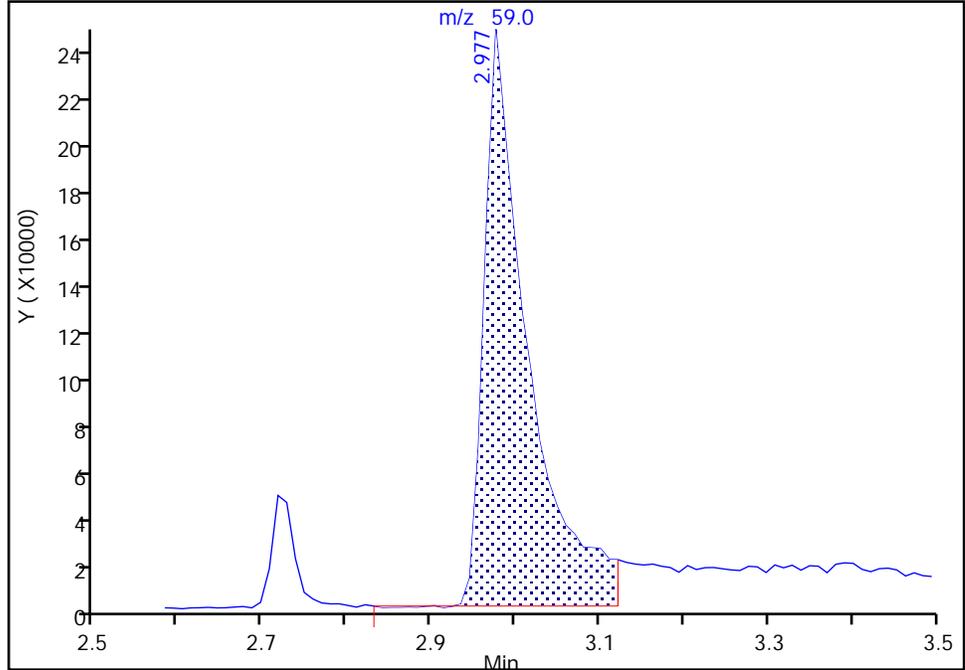
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Injection Date: 13-Nov-2021 19:30:30 Instrument ID: HP5973C
Lims ID: IC 6
Client ID:
Operator ID: WD ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

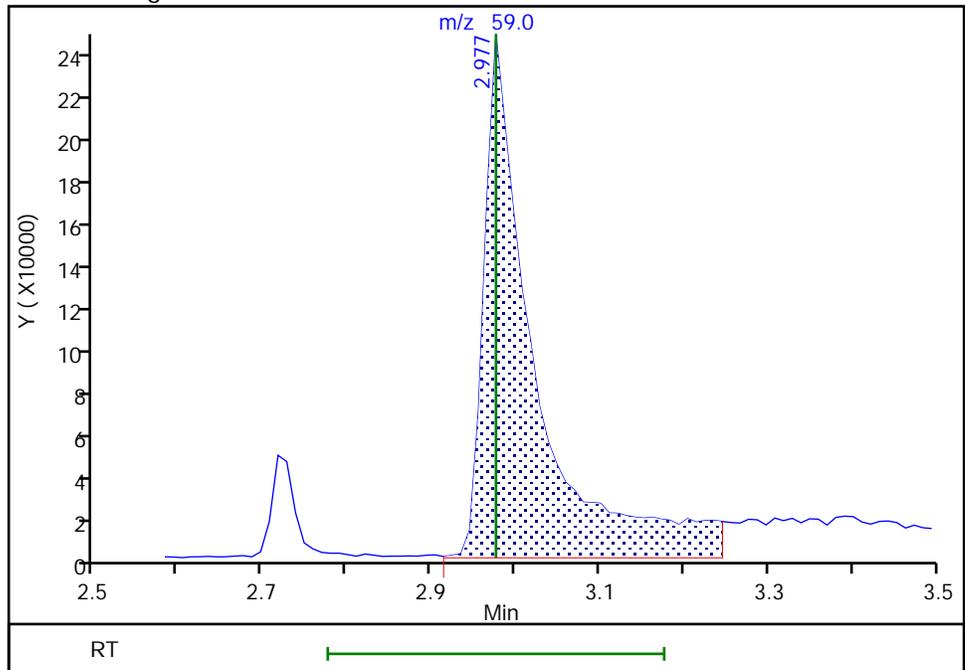
RT: 2.98
Area: 887466
Amount: 369.4025
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 1038635
Amount: 428.2705
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 08:51:50
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

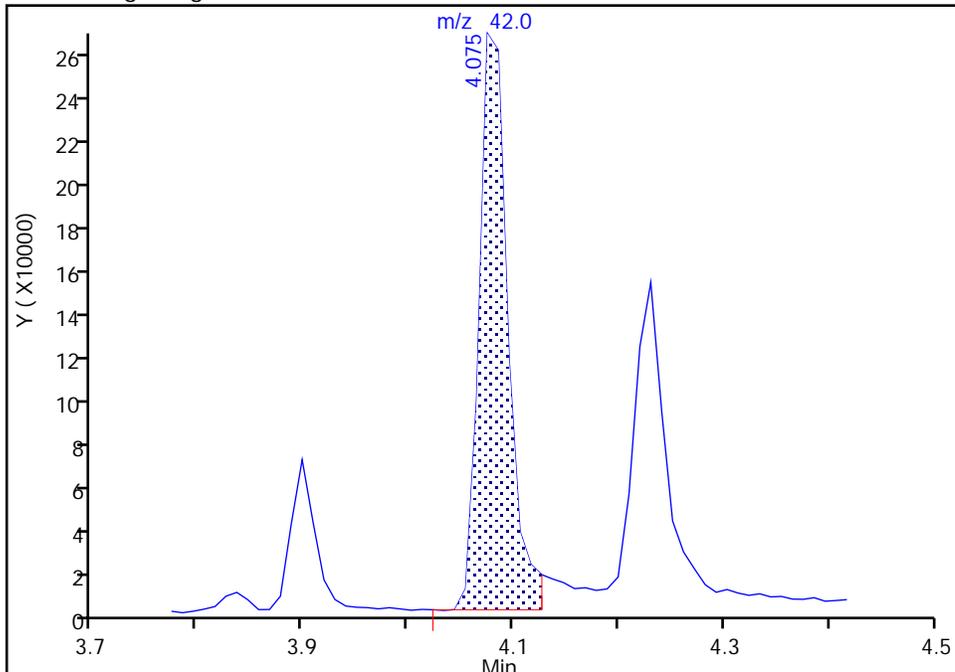
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Injection Date: 13-Nov-2021 19:30:30 Instrument ID: HP5973C
Lims ID: IC 6
Client ID:
Operator ID: WD ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

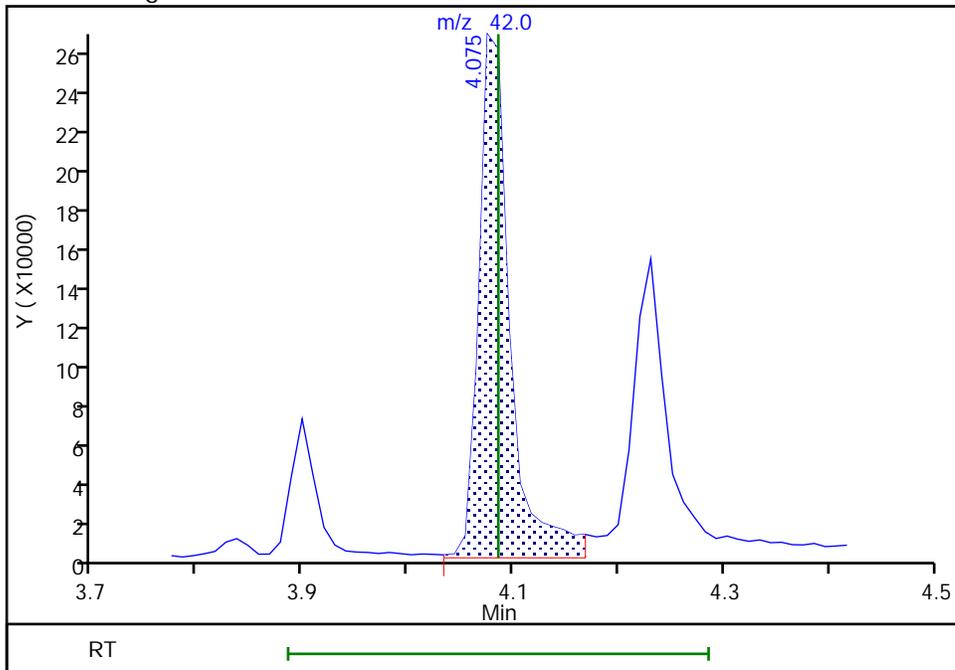
RT: 4.07
Area: 507763
Amount: 74.315652
Amount Units: ug/L

Processing Integration Results



RT: 4.07
Area: 552194
Amount: 81.530260
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:00:04
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

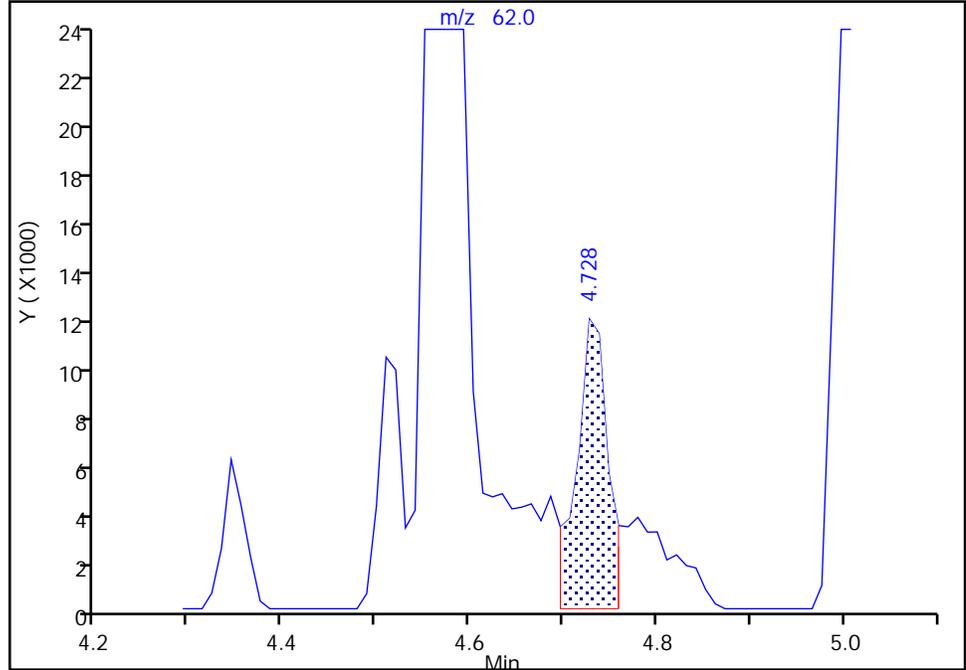
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Injection Date: 13-Nov-2021 19:30:30 Instrument ID: HP5973C
Lims ID: IC 6
Client ID:
Operator ID: WD ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

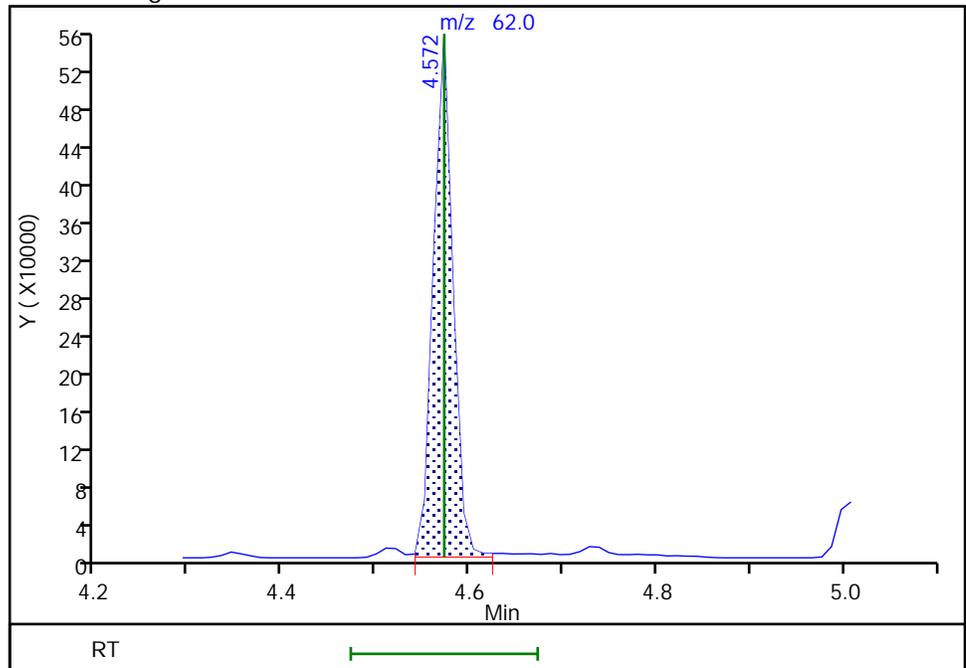
RT: 4.73
Area: 28522
Amount: 3.673502
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 803451
Amount: 46.770917
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

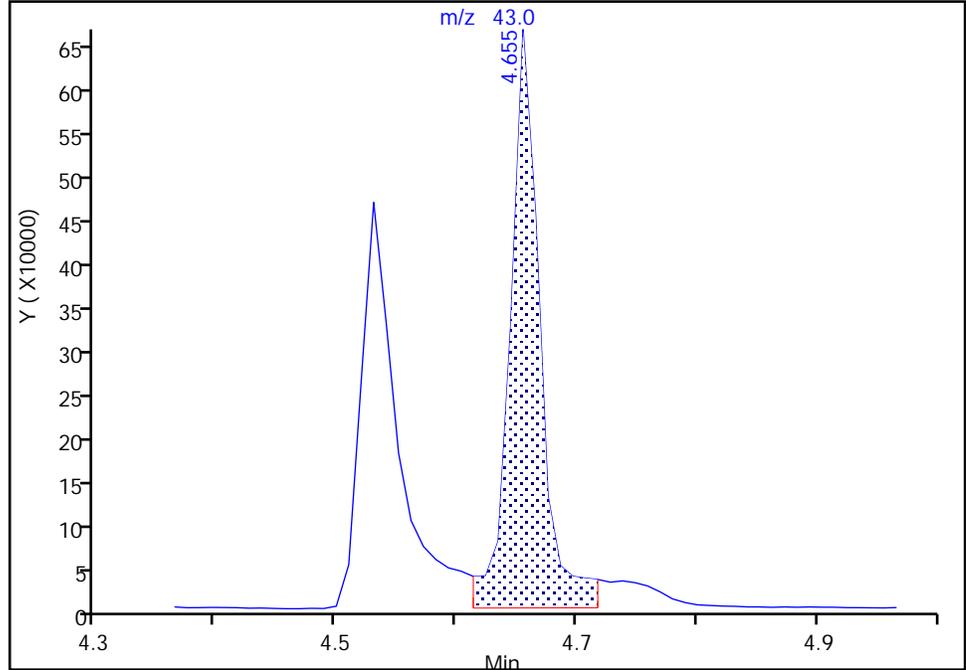
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Injection Date: 13-Nov-2021 19:30:30 Instrument ID: HP5973C
Lims ID: IC 6
Client ID:
Operator ID: WD ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

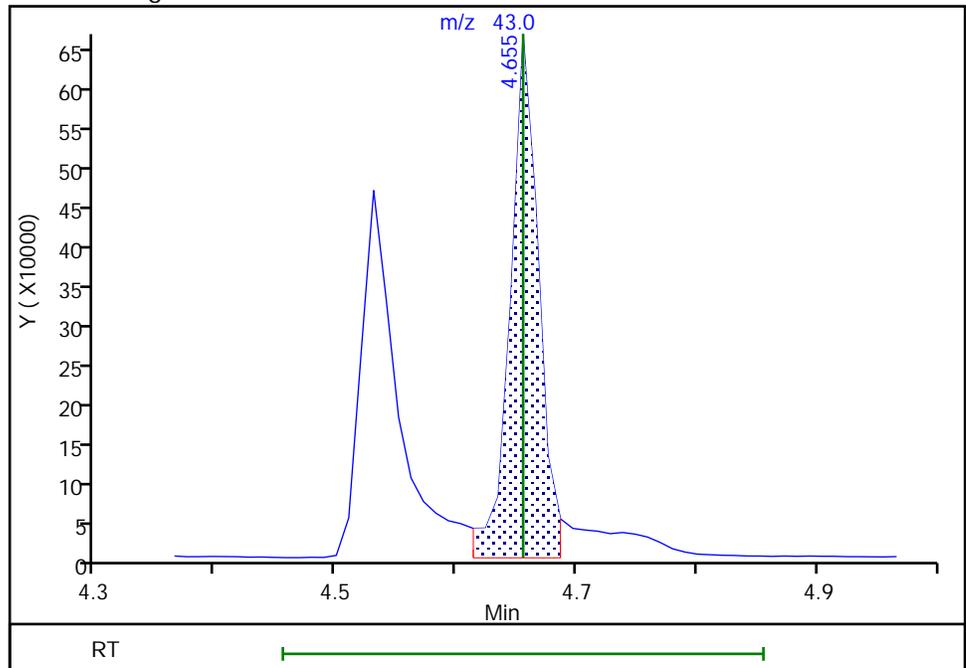
RT: 4.66
Area: 1162890
Amount: 61.333433
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 1104374
Amount: 58.940972
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:00:45
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0385.D
 Lims ID: IC 7
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 13-Nov-2021 19:53:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: IC 7
 Misc. Info.: 480-0102400-013
 Operator ID: WD Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 10:58:03 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 09:06:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	99	213044	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	85	403045	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	93	409625	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	94	276658	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	95	162041	25.0	24.2	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	93	922608	25.0	24.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.000	88	283617	25.0	25.0	
10 Dichlorodifluoromethane	85	1.039	1.039	0.000	0	1019395	100.0	115.1	M
12 Chloromethane	50	1.194	1.194	0.000	99	1353588	100.0	102.0	
13 Vinyl chloride	62	1.287	1.287	0.000	98	1303218	100.0	112.4	
151 Butadiene	54	1.298	1.298	0.000	93	1297911	100.0	109.3	
14 Bromomethane	94	1.557	1.557	0.000	90	789559	100.0	99.1	
15 Chloroethane	64	1.629	1.629	0.000	100	739009	100.0	99.1	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	97	1836508	100.0	103.8	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	99	1564771	100.0	115.3	
18 Ethyl ether	59	2.116	2.116	0.000	94	1141089	100.0	96.9	
20 Acrolein	56	2.293	2.293	0.000	99	338044	500.0	501.7	
21 112TCTFE	101	2.313	2.313	0.000	94	1079126	100.0	105.4	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	97	1061866	100.0	101.7	
23 Acetone	43	2.448	2.448	0.000	99	2561797	500.0	481.7	
25 Iodomethane	142	2.479	2.479	0.000	100	1829208	100.0	95.0	
26 Carbon disulfide	76	2.510	2.510	0.000	99	3617285	100.0	103.4	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	91	2063542	100.0	94.8	
27 Methyl acetate	43	2.718	2.718	0.000	99	2857837	200.0	184.7	
30 Methylene Chloride	84	2.811	2.811	0.000	97	1194075	100.0	98.8	
31 2-Methyl-2-propanol	59	2.977	2.977	0.000	97	1899345	1000.0	771.2	M
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	97	3714957	100.0	97.7	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	98	1232663	100.0	99.3	
33 Acrylonitrile	53	3.070	3.070	0.000	99	6777670	1000.0	870.6	
35 Hexane	57	3.194	3.194	0.000	93	1837060	100.0	106.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	2194310	100.0	99.6	
37 Vinyl acetate	43	3.443	3.443	0.000	97	6881753	200.0	230.8	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	92	975988	100.0	97.7	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	80	1348365	100.0	98.5	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	4331201	500.0	443.0	
48 Chlorobromomethane	128	4.065	4.065	0.000	97	721532	100.0	94.6	
49 Tetrahydrofuran	42	4.075	4.085	-0.010	90	1154609	200.0	167.9	
50 Chloroform	83	4.137	4.137	0.000	94	2122999	100.0	95.3	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	1727670	100.0	101.9	
52 Cyclohexane	56	4.231	4.231	0.000	92	2245889	100.0	105.0	
55 Carbon tetrachloride	117	4.334	4.334	0.000	97	1430811	100.0	108.7	
54 1,1-Dichloropropene	75	4.344	4.345	0.000	94	1607841	100.0	101.6	
57 Benzene	78	4.521	4.521	0.000	97	4743036	100.0	103.4	
53 Isobutyl alcohol	43	4.531	4.531	0.000	94	1951929	2500.0	2161.2	
58 1,2-Dichloroethane	62	4.572	4.572	0.000	97	1661924	100.0	95.3	M
59 n-Heptane	43	4.655	4.655	0.000	93	2018452	100.0	106.1	M
62 Trichloroethene	95	5.008	5.008	0.000	97	1252392	100.0	106.0	
64 Methylcyclohexane	83	5.101	5.101	0.000	92	2113978	100.0	104.2	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	95	1169362	100.0	102.9	
67 Dibromomethane	93	5.308	5.308	0.000	95	807906	100.0	101.9	
66 1,4-Dioxane	88	5.308	5.308	0.000	34	300601	2000.0	1680.5	
68 Dichlorobromomethane	83	5.422	5.422	0.000	99	1487727	100.0	114.3	
69 2-Chloroethyl vinyl ether	63	5.630	5.630	0.000	93	805460	100.0	109.5	
72 cis-1,3-Dichloropropene	75	5.744	5.744	0.000	94	1829898	100.0	113.6	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	9291138	500.0	486.3	
74 Toluene	92	5.961	5.961	0.000	98	2762225	100.0	102.3	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	96	1595100	100.0	114.4	
75 Ethyl methacrylate	69	6.199	6.199	0.000	91	1623938	100.0	105.6	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	90	850100	100.0	97.6	
81 Tetrachloroethene	166	6.376	6.376	0.000	96	1161943	100.0	99.7	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	93	1685875	100.0	102.6	
80 2-Hexanone	43	6.490	6.490	0.000	96	6115932	500.0	481.2	
83 Chlorodibromomethane	129	6.624	6.624	0.000	90	1050377	100.0	115.6	
84 Ethylene Dibromide	107	6.707	6.707	0.000	99	1110043	100.0	101.5	
87 Chlorobenzene	112	7.060	7.060	0.000	95	3056328	100.0	102.7	
88 Ethylbenzene	91	7.122	7.122	0.000	98	5259908	100.0	98.2	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	95	1135003	100.0	108.1	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	96	2051392	100.0	98.4	
91 o-Xylene	106	7.536	7.536	0.000	97	2091069	100.0	97.8	
92 Styrene	104	7.557	7.557	0.000	95	3352854	100.0	99.7	
95 Bromoform	173	7.744	7.744	0.000	97	715536	100.0	130.6	
94 Isopropylbenzene	105	7.816	7.816	0.000	95	5728333	100.0	100.0	
101 Bromobenzene	156	8.096	8.096	0.000	93	1309285	100.0	102.5	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	95	1658060	100.0	99.3	
99 N-Propylbenzene	91	8.148	8.148	0.000	99	6514645	100.0	100.2	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	87	530199	100.0	95.2	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	76	532050	100.0	102.2	
103 2-Chlorotoluene	126	8.241	8.241	0.000	97	1287659	100.0	95.4	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	94	4903196	100.0	99.8	
105 4-Chlorotoluene	126	8.324	8.324	0.000	97	1275162	100.0	98.5	
106 tert-Butylbenzene	134	8.552	8.552	0.000	93	1073686	100.0	104.6	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	4991791	100.0	97.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	6366669	100.0	103.5	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	5468633	100.0	101.2	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	2603722	100.0	99.6	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	95	2662615	100.0	97.4	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	4967670	100.0	100.7	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	98	2625390	100.0	92.9	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.909	0.000	88	405139	100.0	105.4	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	95	2160243	100.0	95.1	
120 Hexachlorobutadiene	225	10.656	10.666	-0.010	97	984442	100.0	98.5	
121 Naphthalene	128	10.770	10.770	0.000	97	7146941	100.0	94.4	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	96	2079124	100.0	91.1	
S 123 Total BTEX	1				0			500.1	
S 124 Xylenes, Total	1				0			196.2	
S 126 1,3-Dichloropropene, Total	1				0			228.1	
S 125 1,2-Dichloroethene, Total	1				0			197.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00217

Amount Added: 50.00

Units: uL

GAS CORP mix_00480

Amount Added: 50.00

Units: uL

C_8260_IS_00158

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0385.D

Injection Date: 13-Nov-2021 19:53:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: IC 7

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

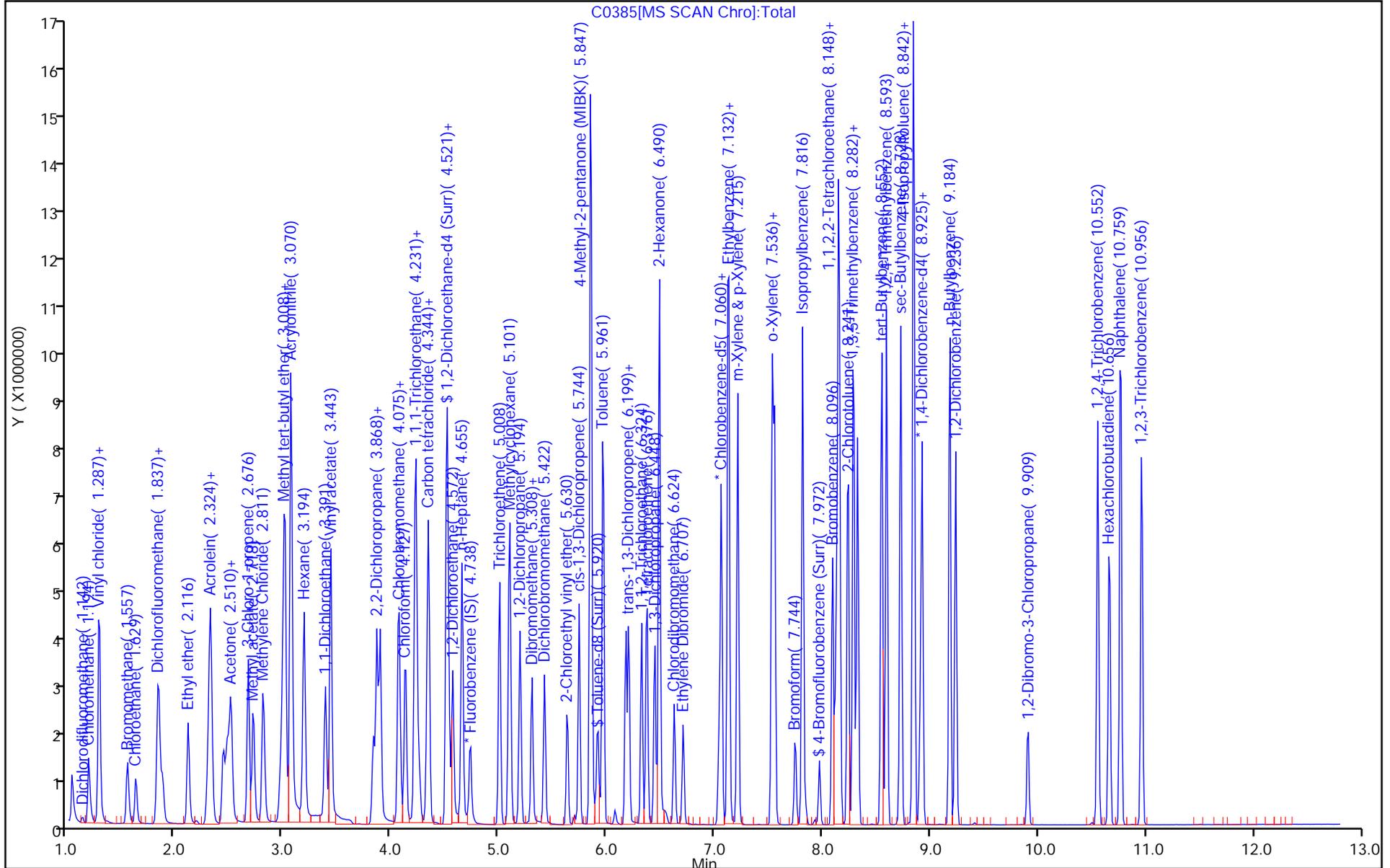
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

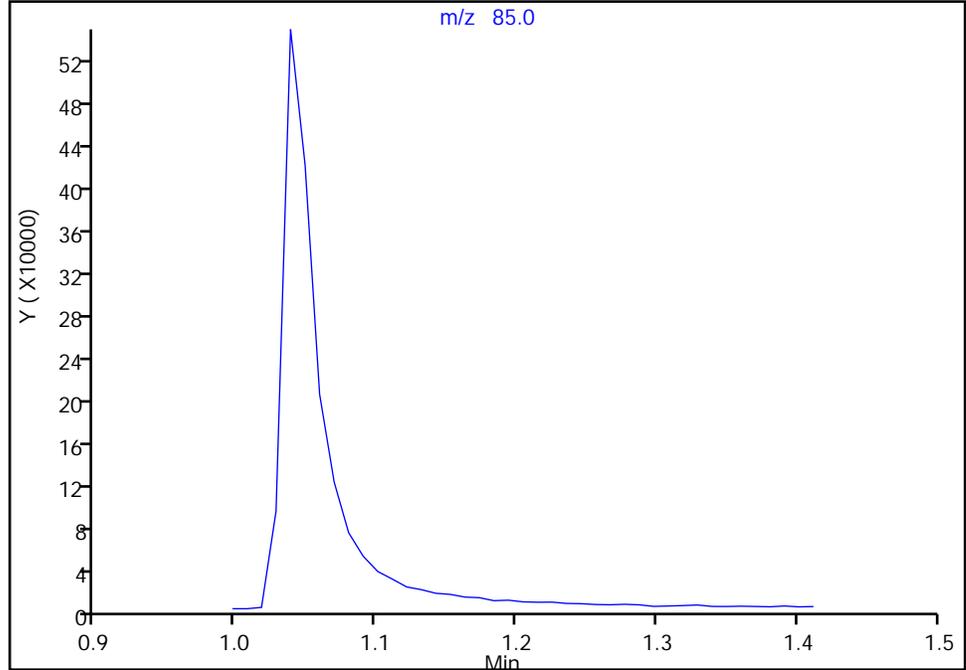
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0385.D
Injection Date: 13-Nov-2021 19:53:30 Instrument ID: HP5973C
Lims ID: IC 7
Client ID:
Operator ID: WD ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

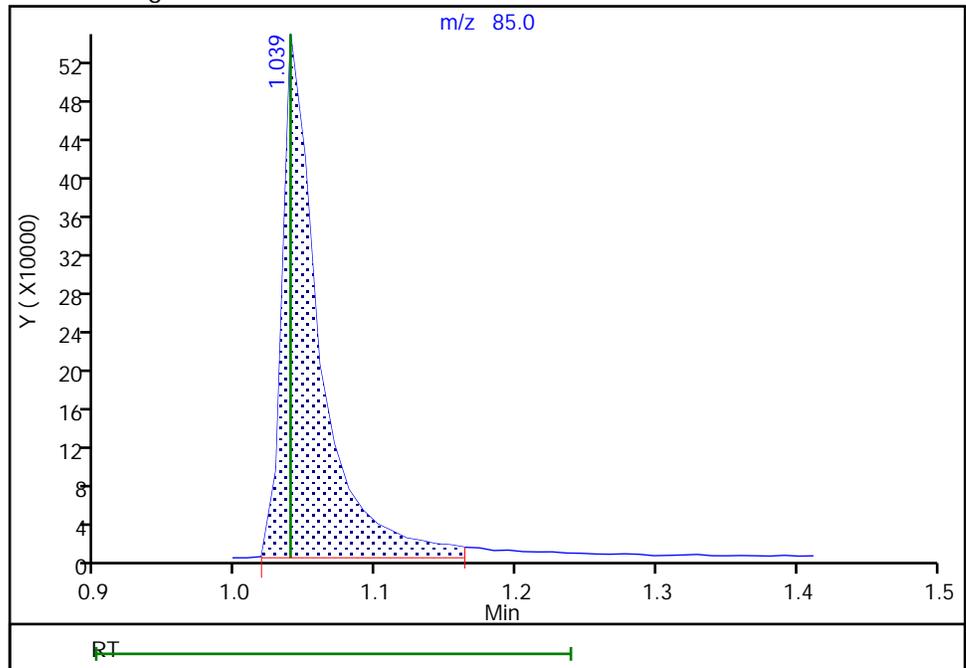
Not Detected
Expected RT: 1.04

Processing Integration Results



Manual Integration Results

RT: 1.04
Area: 1019395
Amount: 115.0839
Amount Units: ug/L



Eurofins TestAmerica, Buffalo

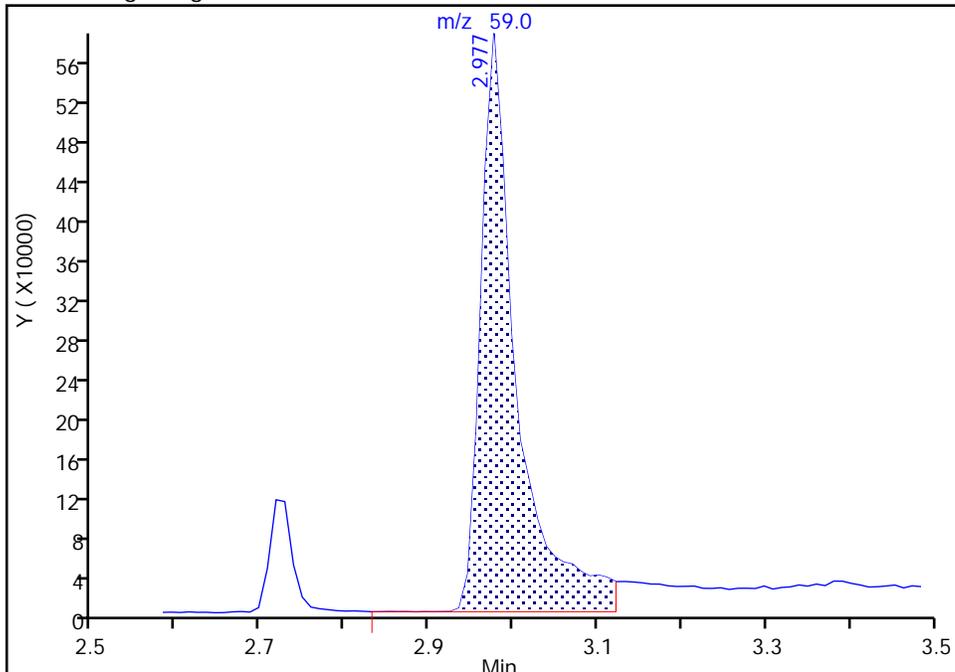
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0385.D
Injection Date: 13-Nov-2021 19:53:30 Instrument ID: HP5973C
Lims ID: IC 7
Client ID:
Operator ID: WD ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

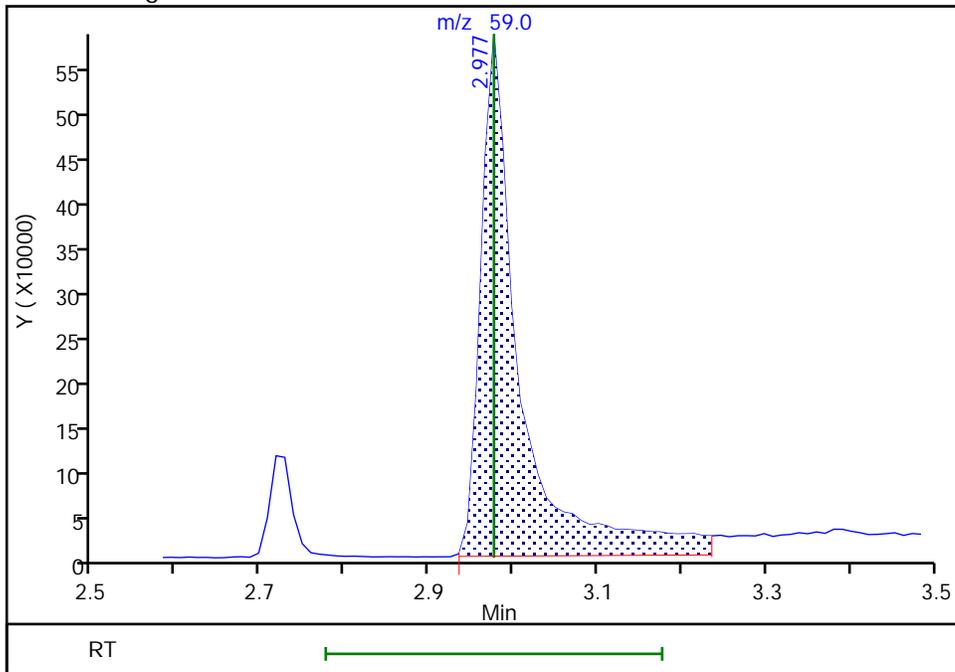
RT: 2.98
Area: 1742631
Amount: 685.1323
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 1899345
Amount: 771.1583
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:15:23
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

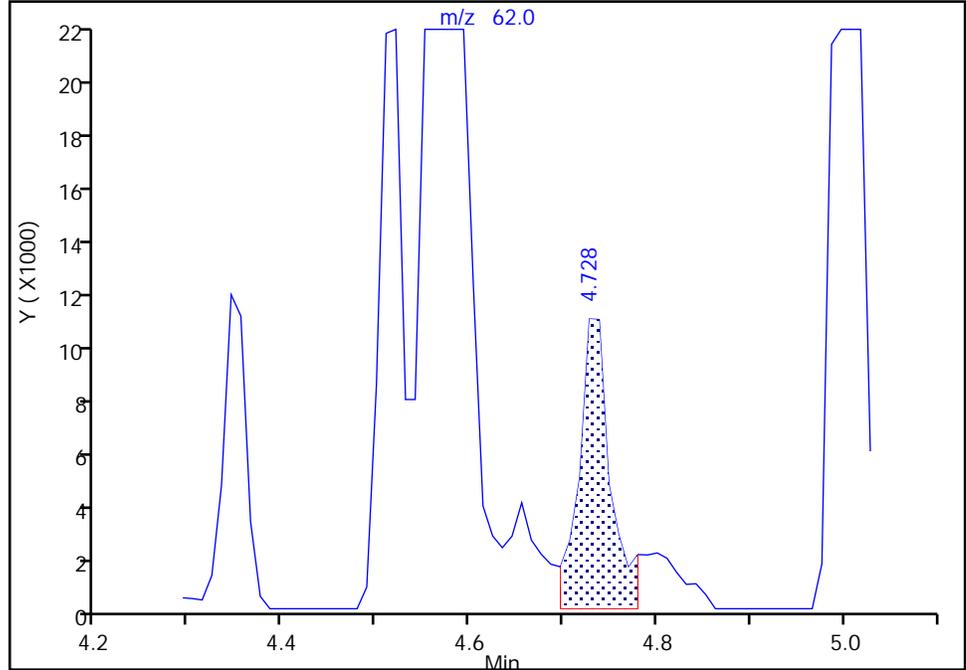
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0385.D
Injection Date: 13-Nov-2021 19:53:30 Instrument ID: HP5973C
Lims ID: IC 7
Client ID:
Operator ID: WD ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

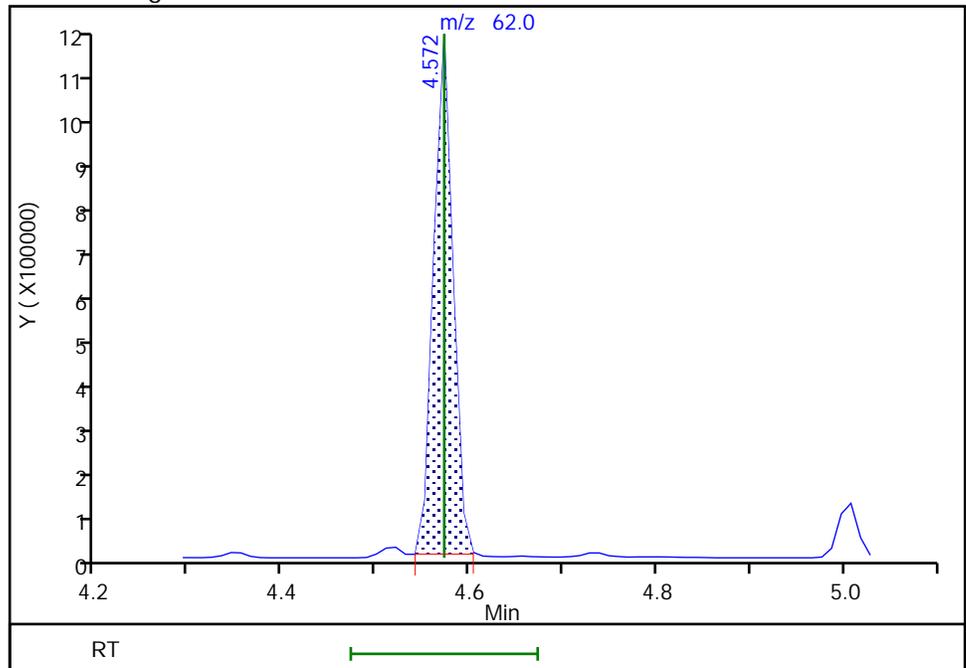
RT: 4.73
Area: 26121
Amount: 2.651135
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 1661924
Amount: 95.260327
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:06:13
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Euofins TestAmerica, Buffalo

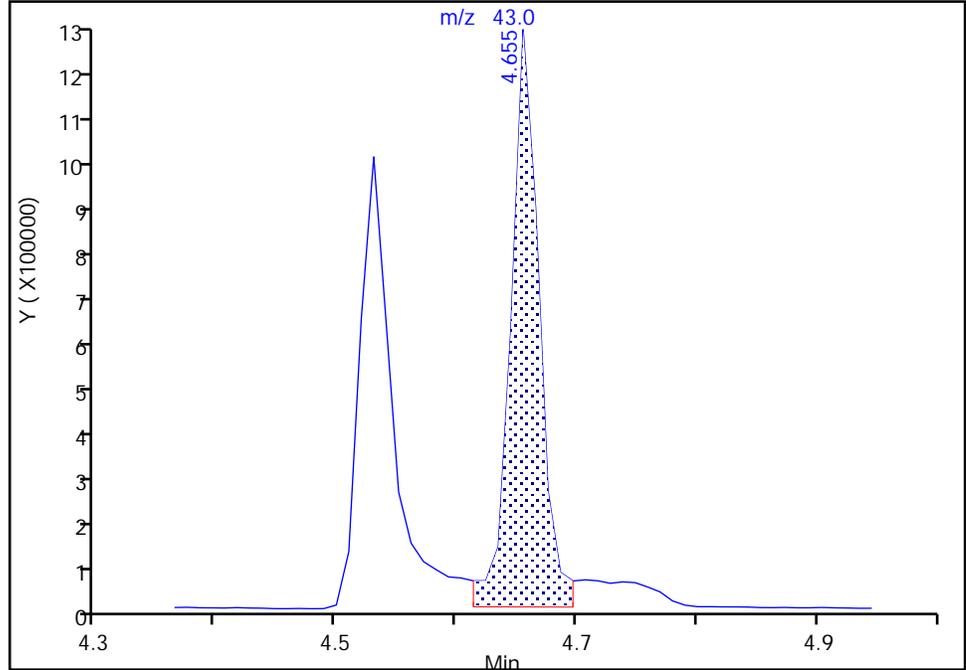
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0385.D
Injection Date: 13-Nov-2021 19:53:30 Instrument ID: HP5973C
Lims ID: IC 7
Client ID:
Operator ID: WD ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

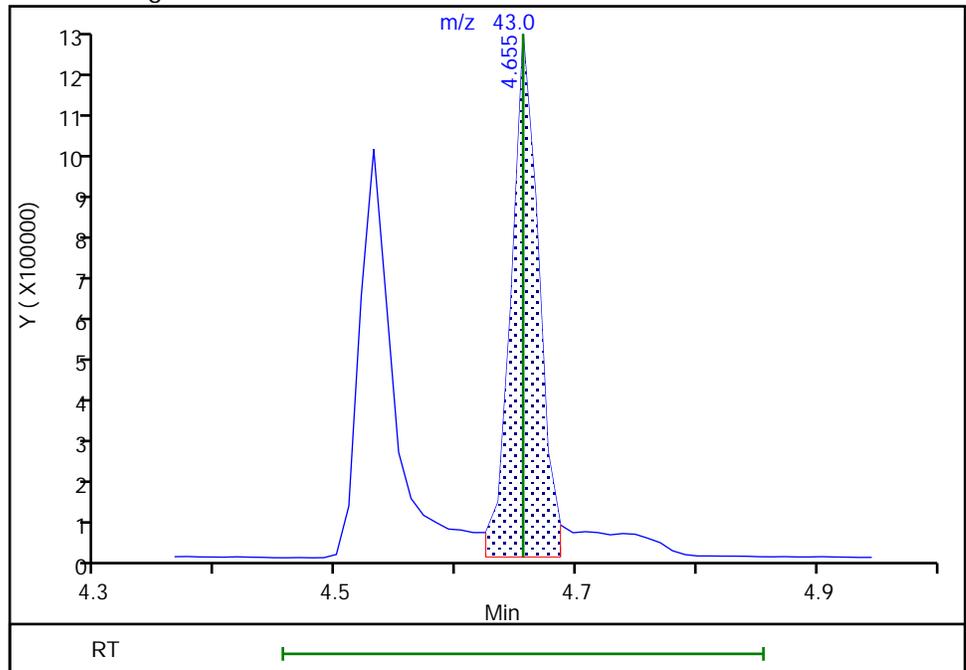
RT: 4.66
Area: 2080925
Amount: 108.9089
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 2018452
Amount: 106.0728
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 09:06:27
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Calibration

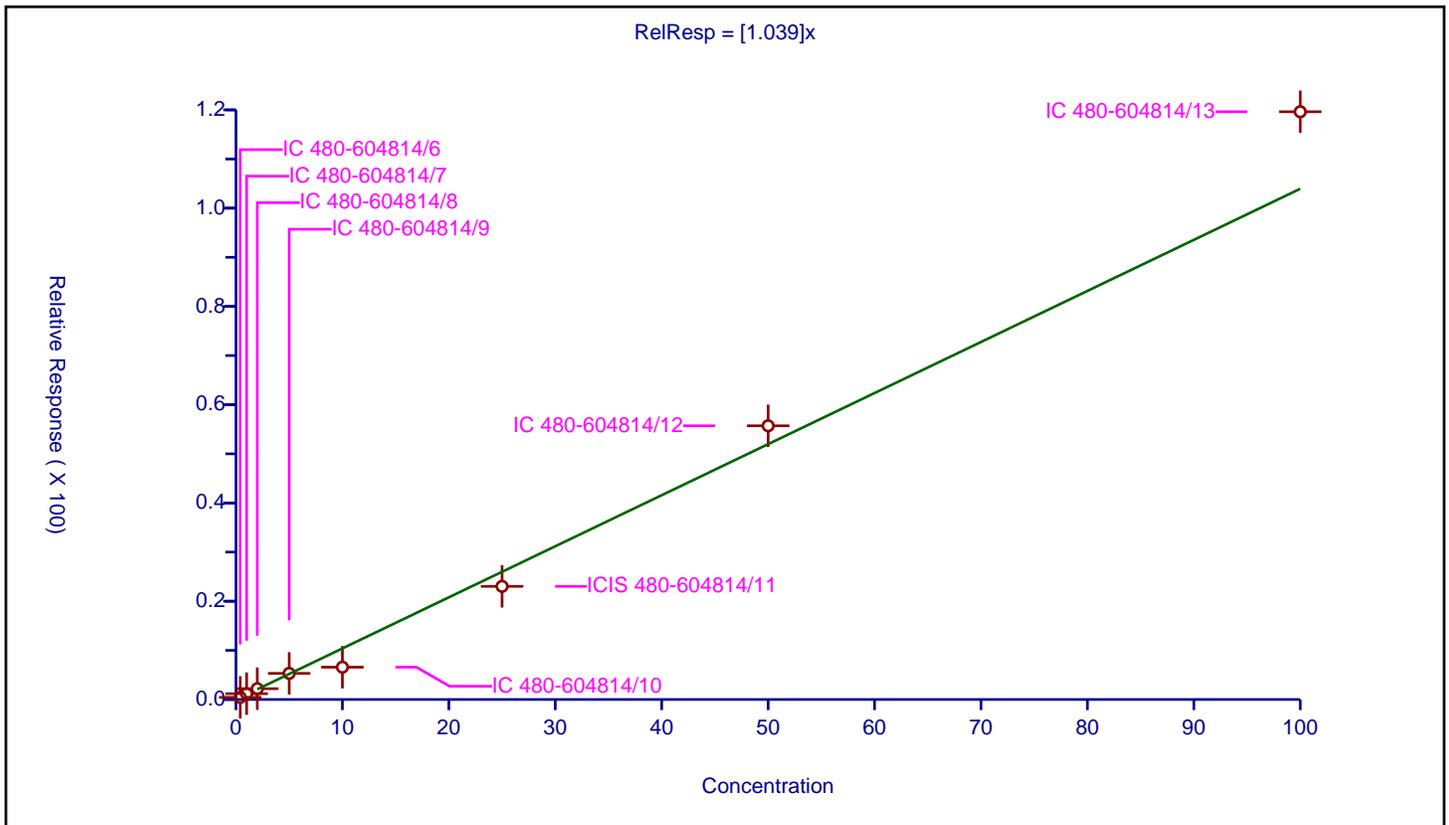
/ Dichlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.039

Error Coefficients	
Standard Error:	431000
Relative Standard Error:	16.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.43191	25.0	199347.0	1.079775	Y
2	IC 480-604814/7	1.0	1.184029	25.0	200333.0	1.184029	Y
3	IC 480-604814/8	2.0	2.198012	25.0	203013.0	1.099006	Y
4	IC 480-604814/9	5.0	5.320863	25.0	208890.0	1.064173	Y
5	IC 480-604814/10	10.0	6.572999	25.0	204625.0	0.6573	Y
6	ICIS 480-604814/11	25.0	23.021622	25.0	207152.0	0.920865	Y
7	IC 480-604814/12	50.0	55.70671	25.0	209775.0	1.114134	Y
8	IC 480-604814/13	100.0	119.62259	25.0	213044.0	1.196226	Y



Calibration

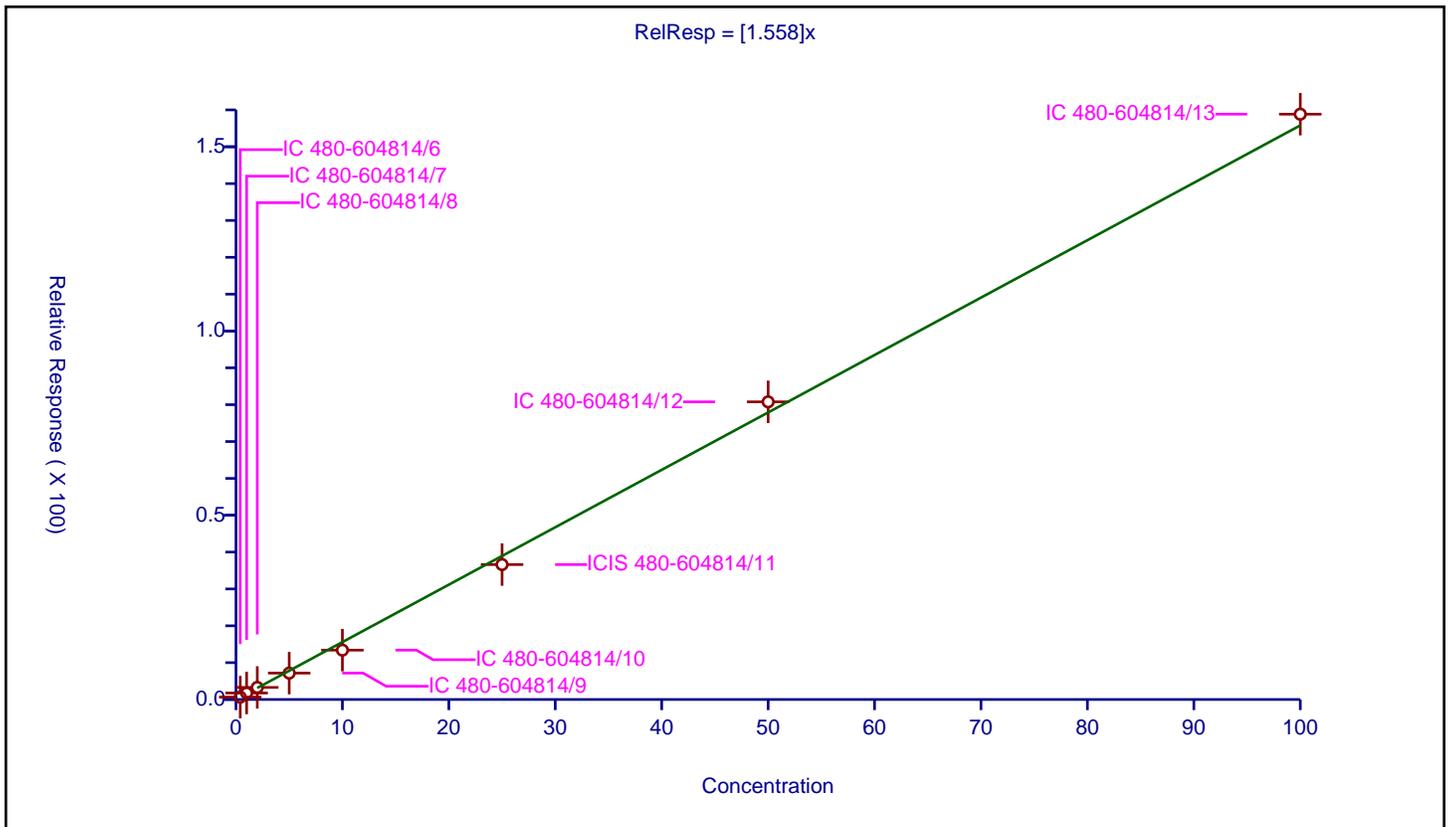
/ Chloromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.558

Error Coefficients	
Standard Error:	585000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.650875	25.0	199347.0	1.627188	Y
2	IC 480-604814/7	1.0	1.758073	25.0	200333.0	1.758073	Y
3	IC 480-604814/8	2.0	3.276637	25.0	203013.0	1.638319	Y
4	IC 480-604814/9	5.0	7.162621	25.0	208890.0	1.432524	Y
5	IC 480-604814/10	10.0	13.391081	25.0	204625.0	1.339108	Y
6	ICIS 480-604814/11	25.0	36.61116	25.0	207152.0	1.464446	Y
7	IC 480-604814/12	50.0	80.769277	25.0	209775.0	1.615386	Y
8	IC 480-604814/13	100.0	158.839019	25.0	213044.0	1.58839	Y



Calibration

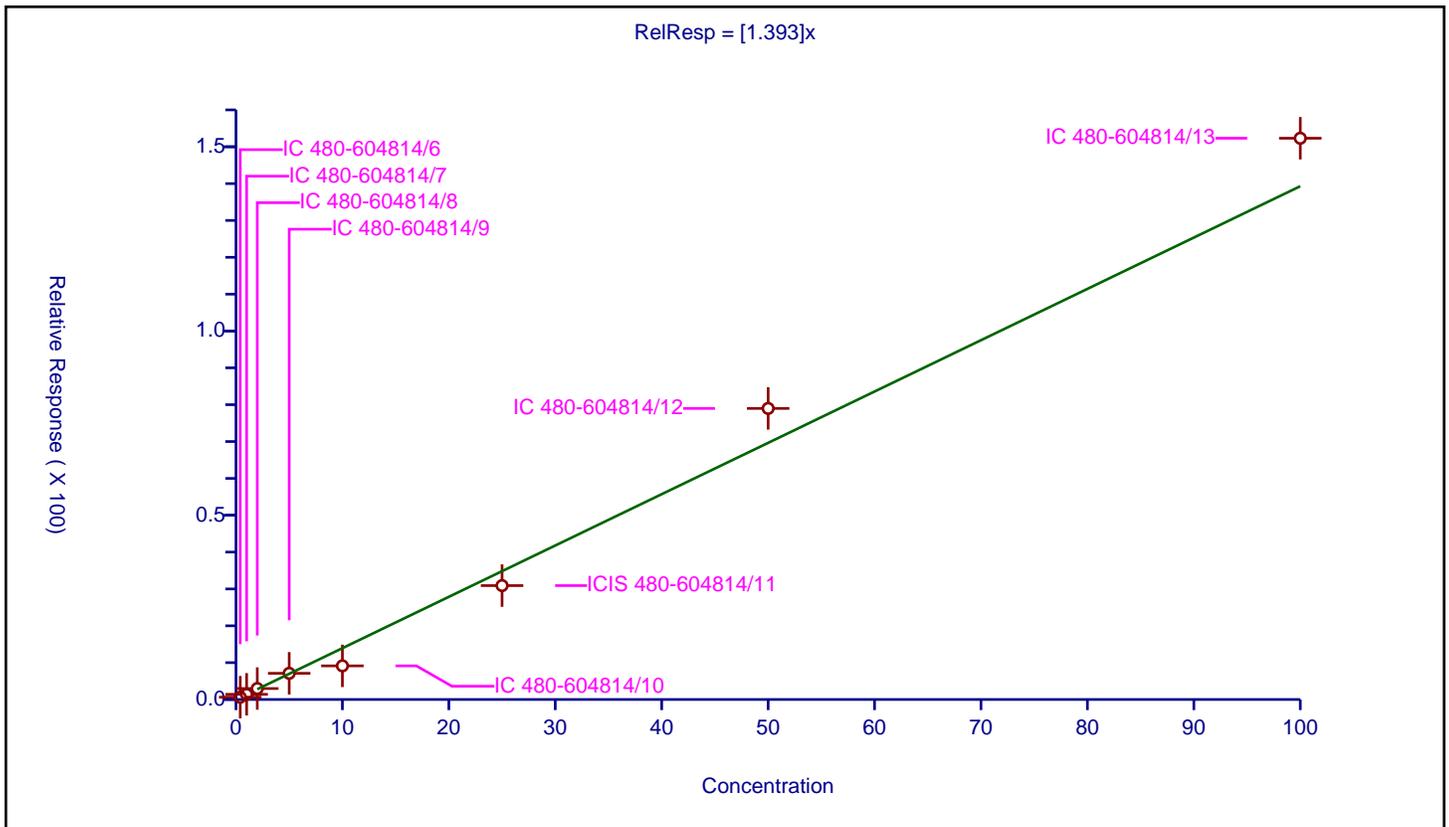
/ Butadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.393

Error Coefficients	
Standard Error:	560000
Relative Standard Error:	16.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.62943	25.0	199347.0	1.573575	Y
2	IC 480-604814/7	1.0	1.409528	25.0	200333.0	1.409528	Y
3	IC 480-604814/8	2.0	2.974317	25.0	203013.0	1.487158	Y
4	IC 480-604814/9	5.0	7.102662	25.0	208890.0	1.420532	Y
5	IC 480-604814/10	10.0	9.128772	25.0	204625.0	0.912877	Y
6	ICIS 480-604814/11	25.0	30.907619	25.0	207152.0	1.236305	Y
7	IC 480-604814/12	50.0	78.985699	25.0	209775.0	1.579714	Y
8	IC 480-604814/13	100.0	152.30551	25.0	213044.0	1.523055	Y



Calibration

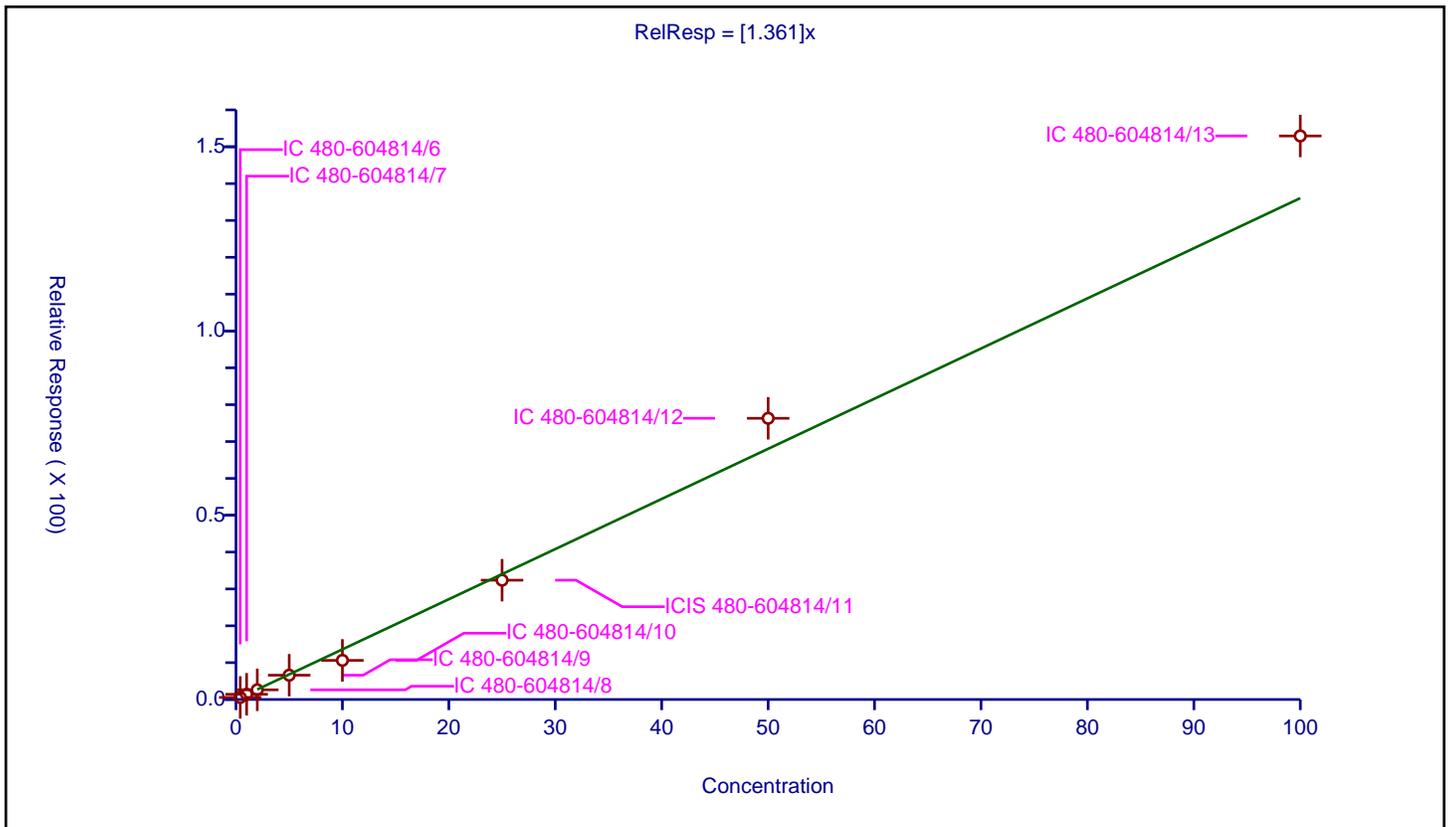
/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.361

Error Coefficients	
Standard Error:	559000
Relative Standard Error:	11.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.567352	25.0	199347.0	1.418381	Y
2	IC 480-604814/7	1.0	1.424004	25.0	200333.0	1.424004	Y
3	IC 480-604814/8	2.0	2.623724	25.0	203013.0	1.311862	Y
4	IC 480-604814/9	5.0	6.591507	25.0	208890.0	1.318301	Y
5	IC 480-604814/10	10.0	10.614172	25.0	204625.0	1.061417	Y
6	ICIS 480-604814/11	25.0	32.37695	25.0	207152.0	1.295078	Y
7	IC 480-604814/12	50.0	76.312358	25.0	209775.0	1.526247	Y
8	IC 480-604814/13	100.0	152.928268	25.0	213044.0	1.529283	Y



Calibration

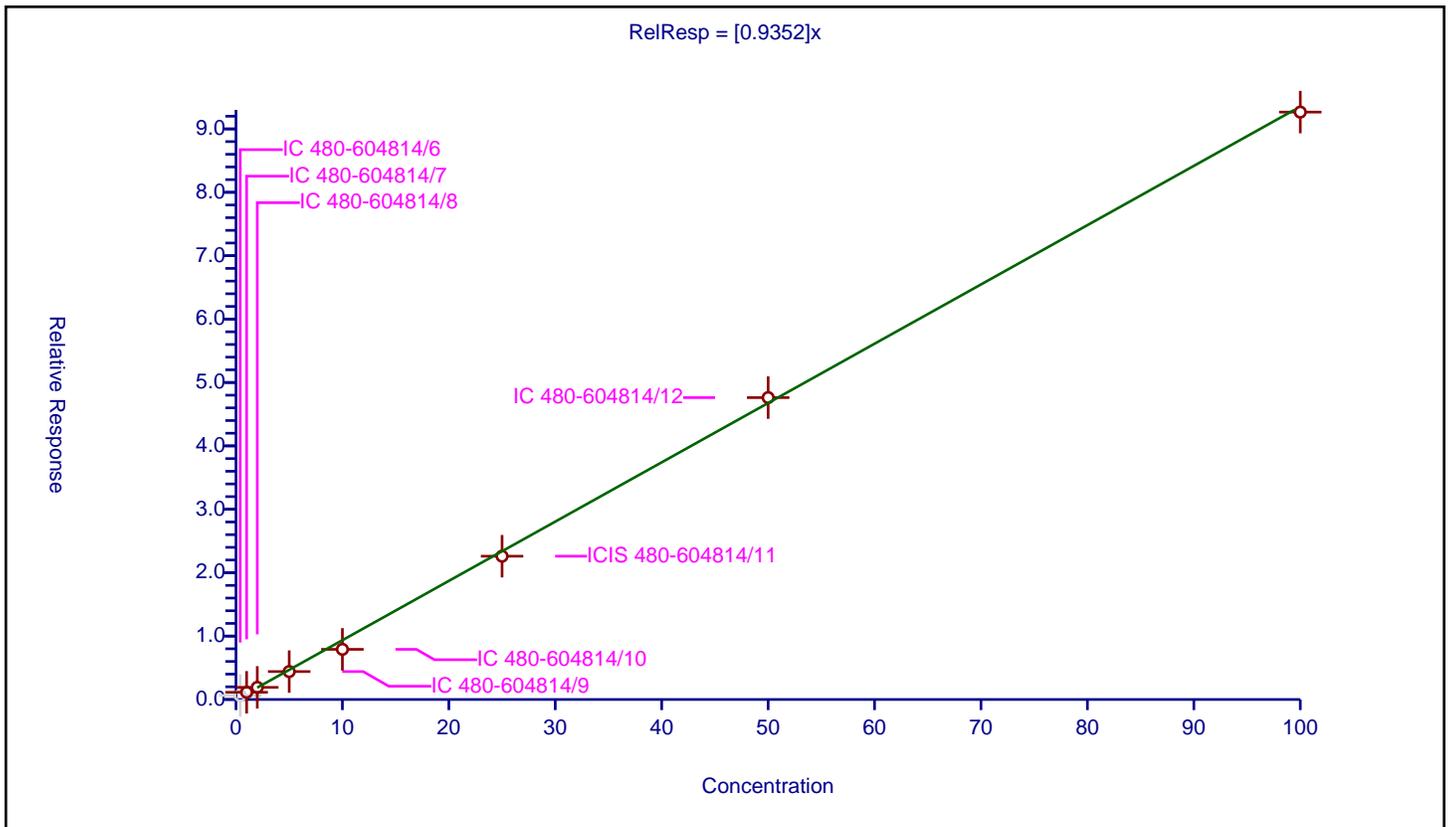
/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9352

Error Coefficients	
Standard Error:	371000
Relative Standard Error:	11.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.628051	25.0	199347.0	1.570126	N
2	IC 480-604814/7	1.0	1.135984	25.0	200333.0	1.135984	Y
3	IC 480-604814/8	2.0	1.911454	25.0	203013.0	0.955727	Y
4	IC 480-604814/9	5.0	4.403993	25.0	208890.0	0.880799	Y
5	IC 480-604814/10	10.0	7.910935	25.0	204625.0	0.791093	Y
6	ICIS 480-604814/11	25.0	22.603933	25.0	207152.0	0.904157	Y
7	IC 480-604814/12	50.0	47.619116	25.0	209775.0	0.952382	Y
8	IC 480-604814/13	100.0	92.652105	25.0	213044.0	0.926521	Y



Calibration

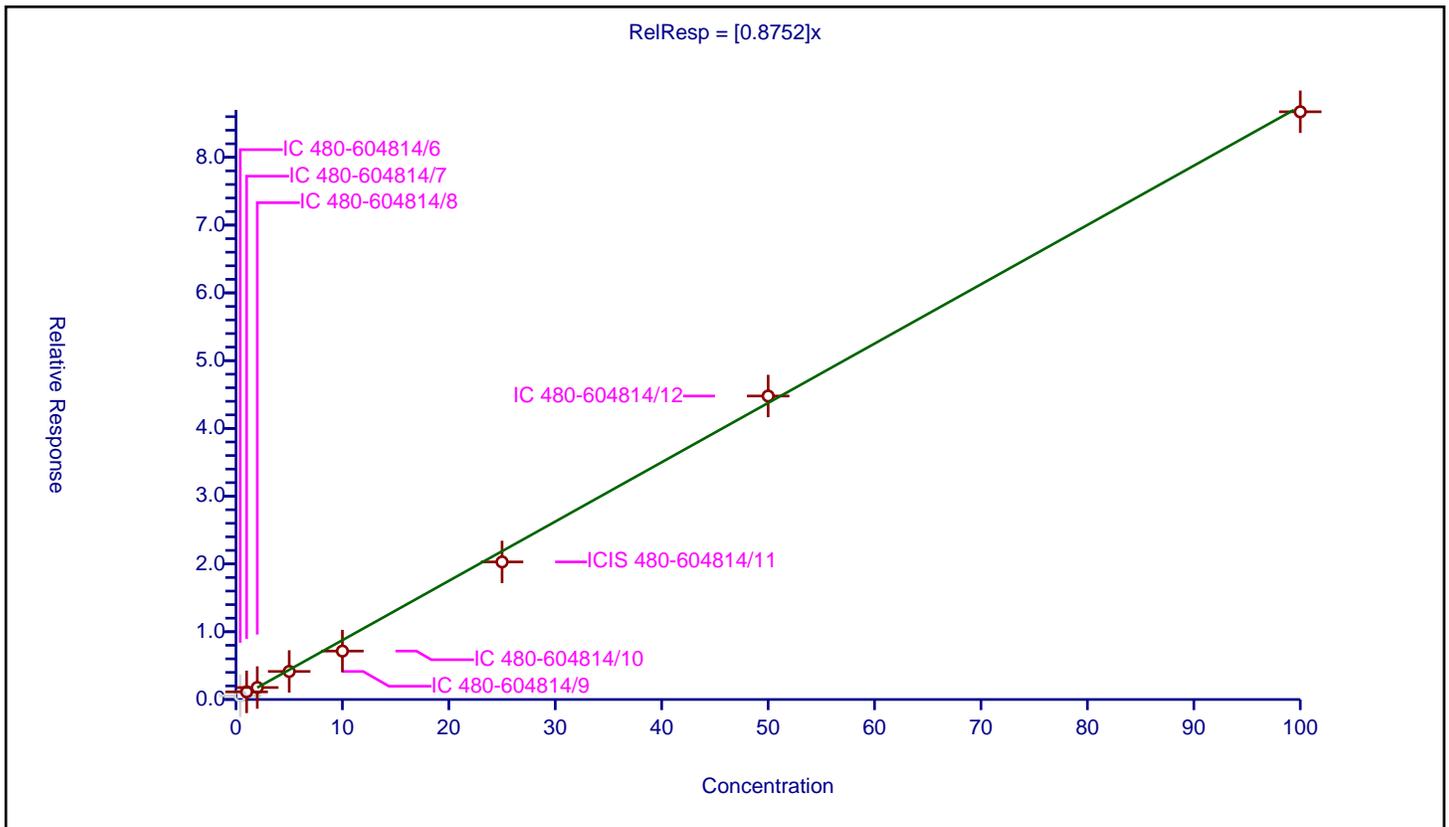
/ Chloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8752

Error Coefficients	
Standard Error:	346000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.548666	25.0	199347.0	1.371666	N
2	IC 480-604814/7	1.0	1.126749	25.0	200333.0	1.126749	Y
3	IC 480-604814/8	2.0	1.765774	25.0	203013.0	0.882887	Y
4	IC 480-604814/9	5.0	4.138302	25.0	208890.0	0.82766	Y
5	IC 480-604814/10	10.0	7.144166	25.0	204625.0	0.714417	Y
6	ICIS 480-604814/11	25.0	20.301759	25.0	207152.0	0.81207	Y
7	IC 480-604814/12	50.0	44.778453	25.0	209775.0	0.895569	Y
8	IC 480-604814/13	100.0	86.720232	25.0	213044.0	0.867202	Y



Calibration

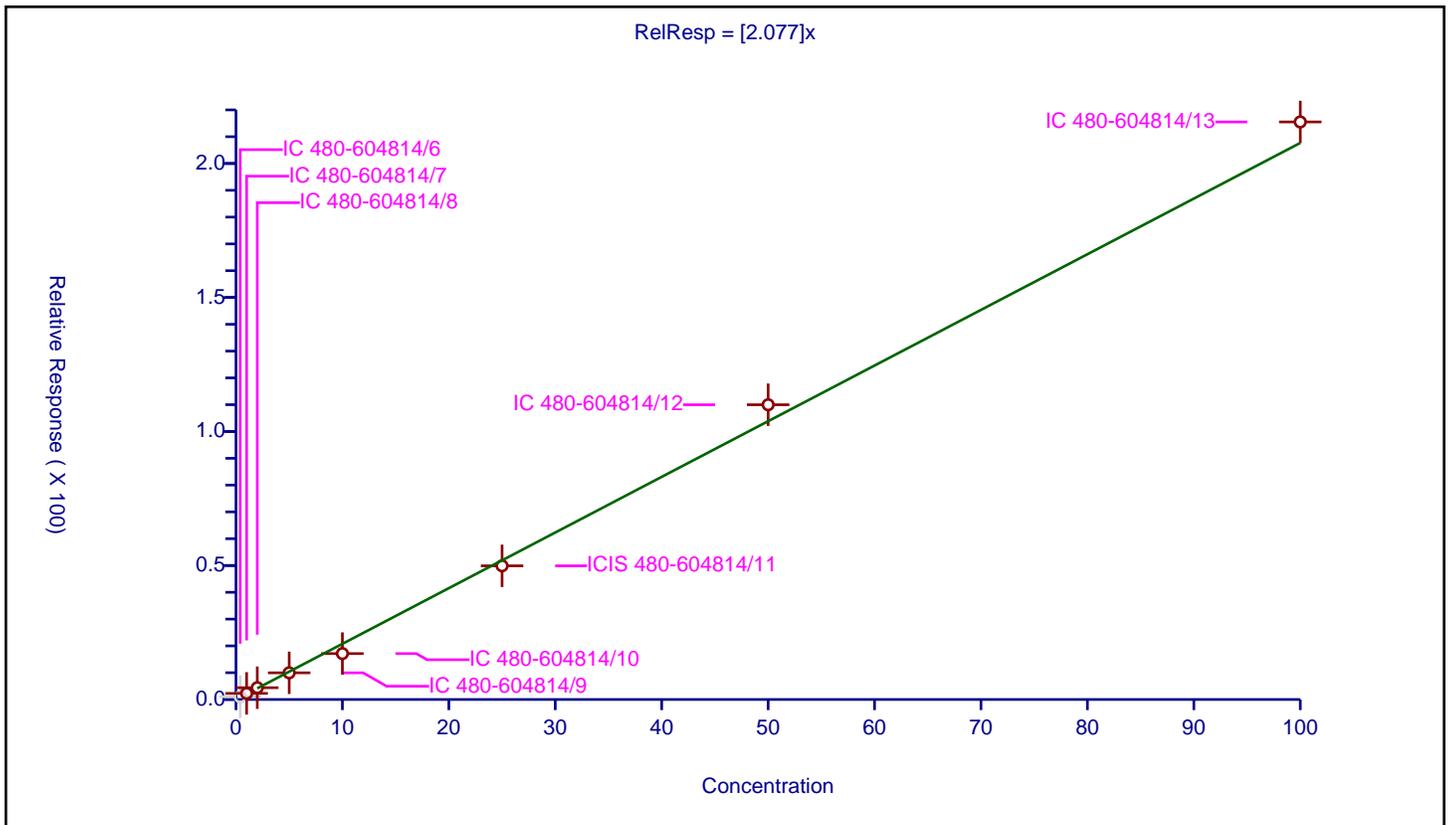
/ Dichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.077

Error Coefficients	
Standard Error:	859000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.050555	25.0	199347.0	2.626388	N
2	IC 480-604814/7	1.0	2.284446	25.0	200333.0	2.284446	Y
3	IC 480-604814/8	2.0	4.396763	25.0	203013.0	2.198381	Y
4	IC 480-604814/9	5.0	9.957514	25.0	208890.0	1.991503	Y
5	IC 480-604814/10	10.0	17.130971	25.0	204625.0	1.713097	Y
6	ICIS 480-604814/11	25.0	49.875092	25.0	207152.0	1.995004	Y
7	IC 480-604814/12	50.0	109.980574	25.0	209775.0	2.199611	Y
8	IC 480-604814/13	100.0	215.508064	25.0	213044.0	2.155081	Y



Calibration

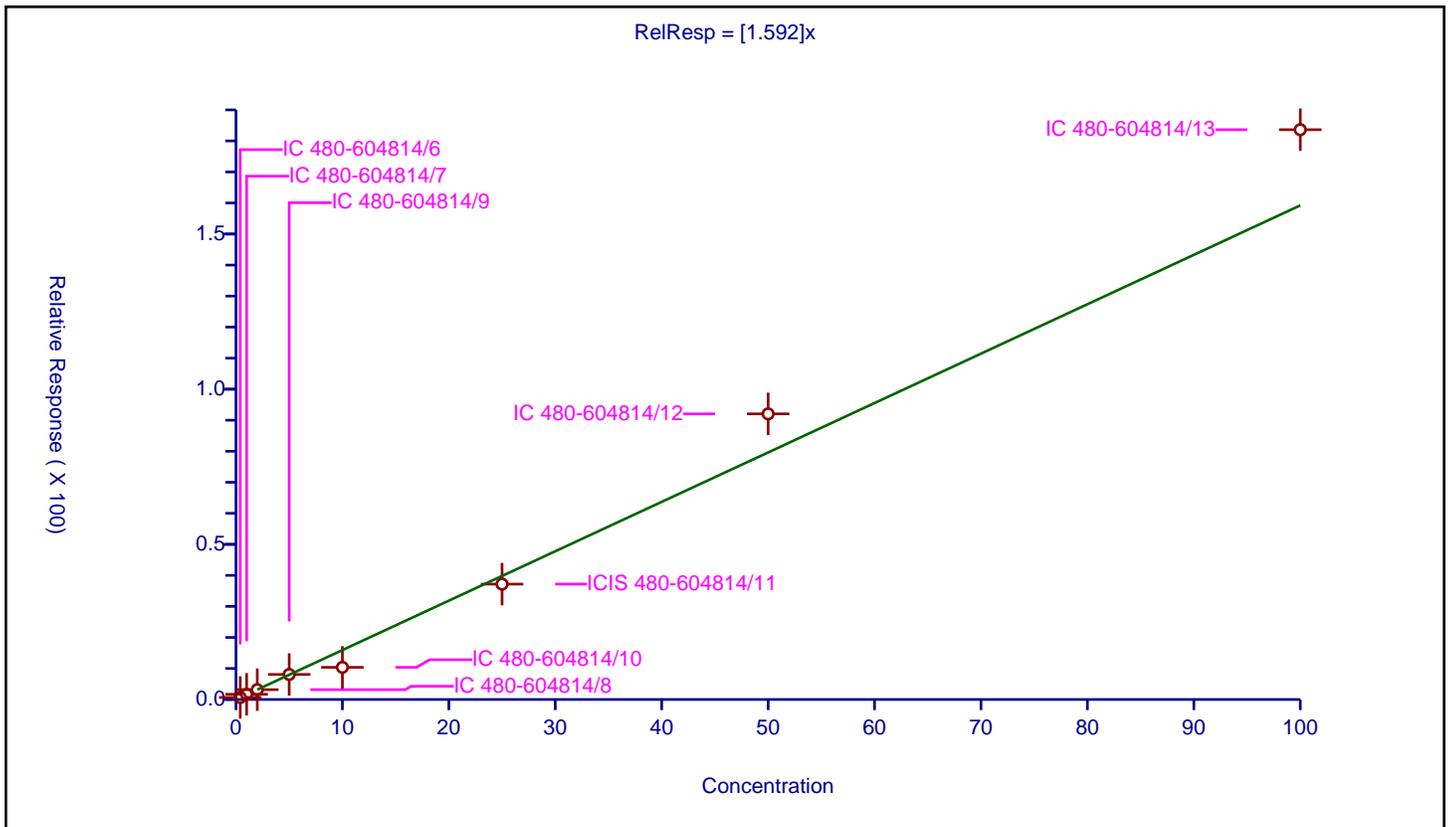
/ Trichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.592

Error Coefficients	
Standard Error:	671000
Relative Standard Error:	16.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.66141	25.0	199347.0	1.653524	Y
2	IC 480-604814/7	1.0	1.685693	25.0	200333.0	1.685693	Y
3	IC 480-604814/8	2.0	3.166915	25.0	203013.0	1.583458	Y
4	IC 480-604814/9	5.0	8.069079	25.0	208890.0	1.613816	Y
5	IC 480-604814/10	10.0	10.363592	25.0	204625.0	1.036359	Y
6	ICIS 480-604814/11	25.0	37.180549	25.0	207152.0	1.487222	Y
7	IC 480-604814/12	50.0	92.047193	25.0	209775.0	1.840944	Y
8	IC 480-604814/13	100.0	183.620637	25.0	213044.0	1.836206	Y



Calibration

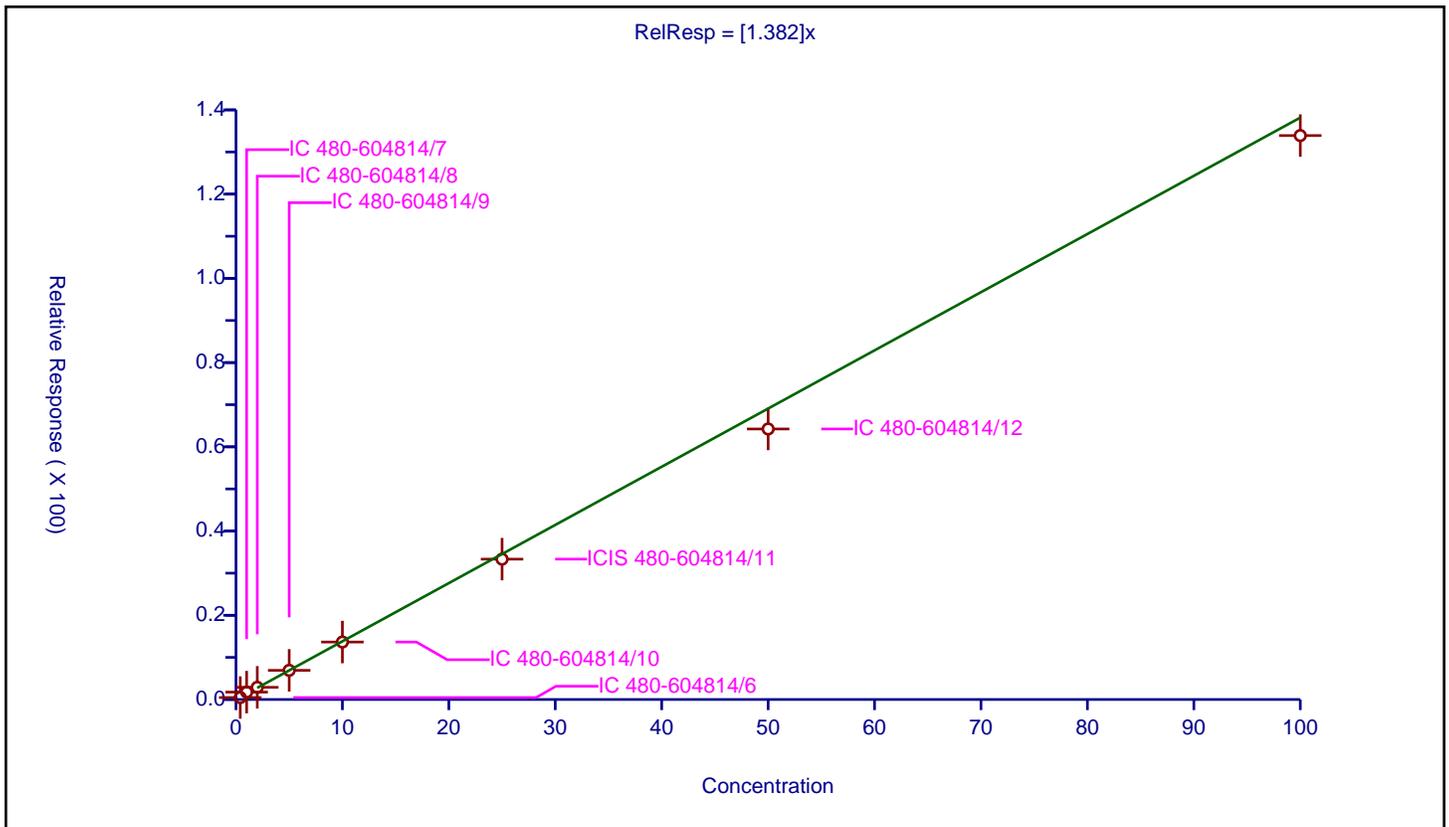
/ Ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.382

Error Coefficients	
Standard Error:	491000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.459751	25.0	199347.0	1.149378	Y
2	IC 480-604814/7	1.0	1.750585	25.0	200333.0	1.750585	Y
3	IC 480-604814/8	2.0	2.894396	25.0	203013.0	1.447198	Y
4	IC 480-604814/9	5.0	6.923381	25.0	208890.0	1.384676	Y
5	IC 480-604814/10	10.0	13.645082	25.0	204625.0	1.364508	Y
6	ICIS 480-604814/11	25.0	33.326133	25.0	207152.0	1.333045	Y
7	IC 480-604814/12	50.0	64.23549	25.0	209775.0	1.28471	Y
8	IC 480-604814/13	100.0	133.902973	25.0	213044.0	1.33903	Y



Calibration

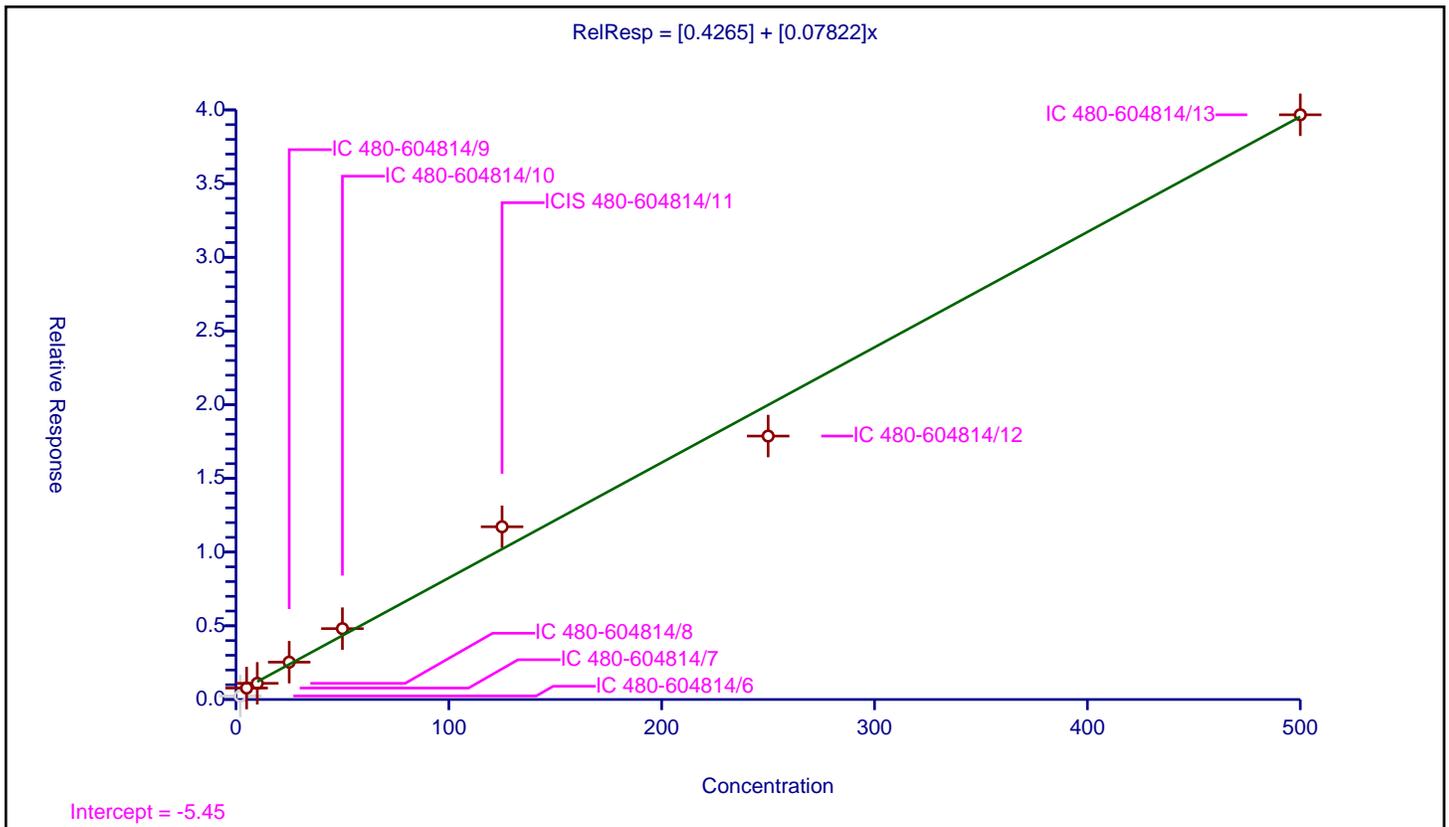
/ Acrolein

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.4265
Slope:	0.07822

Error Coefficients	
Standard Error:	172000
Relative Standard Error:	13.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	2.0	0.237526	25.0	199347.0	0.118763	N
2	IC 480-604814/7	5.0	0.776332	25.0	200333.0	0.155266	Y
3	IC 480-604814/8	10.0	1.097959	25.0	203013.0	0.109796	Y
4	IC 480-604814/9	25.0	2.533271	25.0	208890.0	0.101331	Y
5	IC 480-604814/10	50.0	4.807086	25.0	204625.0	0.096142	Y
6	ICIS 480-604814/11	125.0	11.717724	25.0	207152.0	0.093742	Y
7	IC 480-604814/12	250.0	17.872006	25.0	209775.0	0.071488	Y
8	IC 480-604814/13	500.0	39.668331	25.0	213044.0	0.079337	Y



Calibration

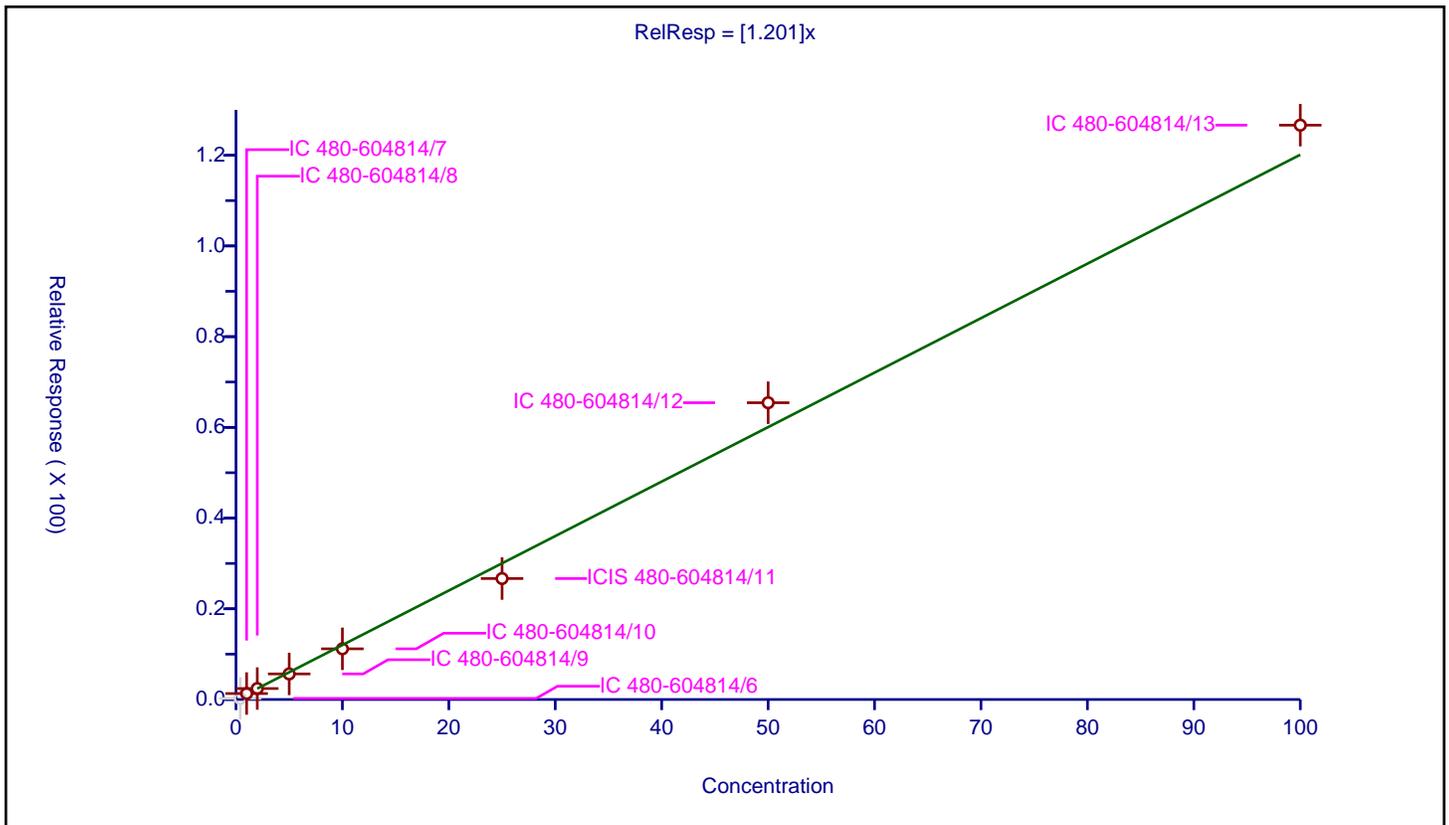
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.201

Error Coefficients	
Standard Error:	504000
Relative Standard Error:	8.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.241413	25.0	199347.0	0.603533	N
2	IC 480-604814/7	1.0	1.313438	25.0	200333.0	1.313438	Y
3	IC 480-604814/8	2.0	2.415732	25.0	203013.0	1.207866	Y
4	IC 480-604814/9	5.0	5.636579	25.0	208890.0	1.127316	Y
5	IC 480-604814/10	10.0	11.174099	25.0	204625.0	1.11741	Y
6	ICIS 480-604814/11	25.0	26.669668	25.0	207152.0	1.066787	Y
7	IC 480-604814/12	50.0	65.434394	25.0	209775.0	1.308688	Y
8	IC 480-604814/13	100.0	126.631823	25.0	213044.0	1.266318	Y



Calibration

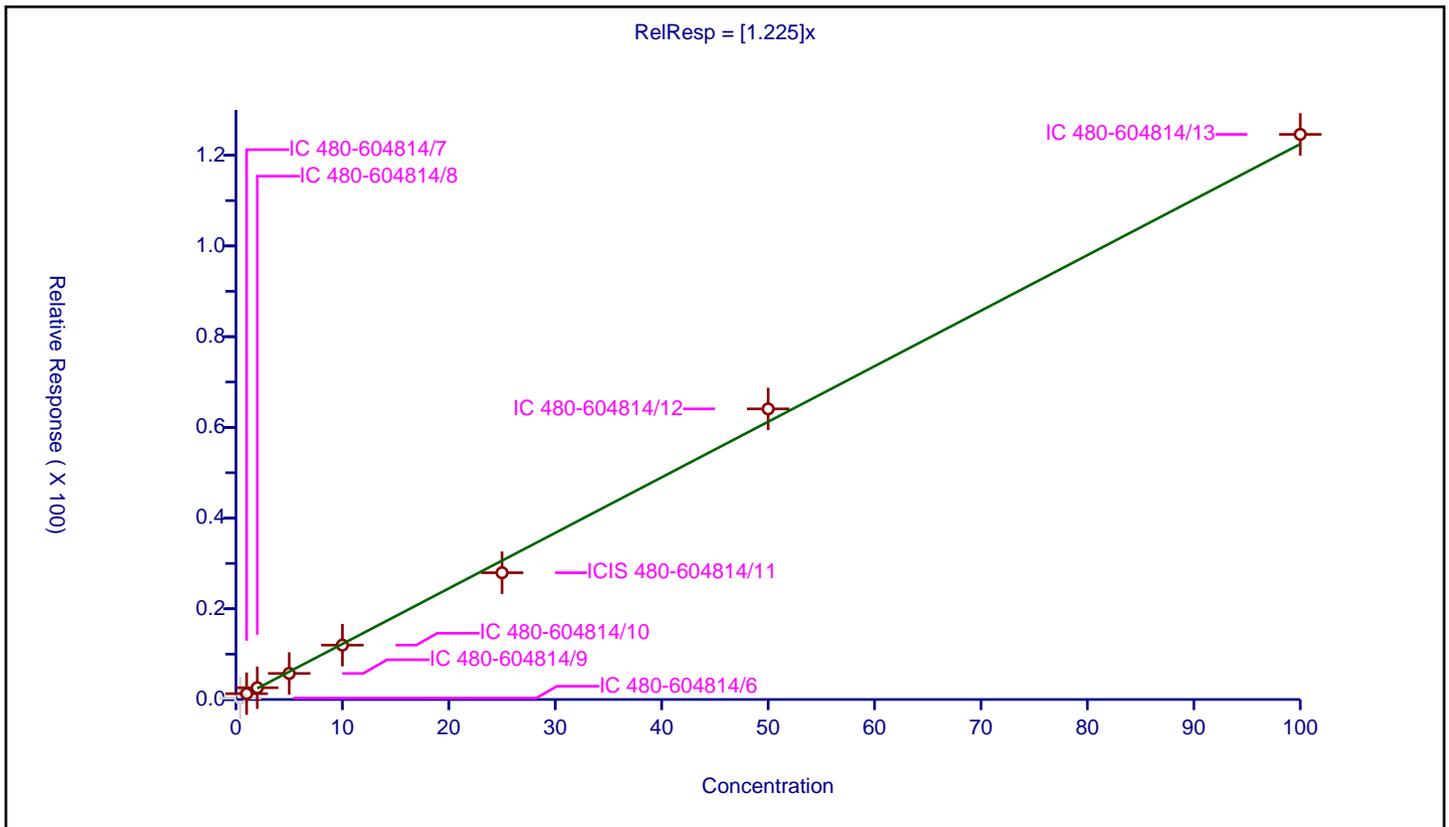
/ 1,1-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.225

Error Coefficients	
Standard Error:	497000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.308006	25.0	199347.0	0.770014	N
2	IC 480-604814/7	1.0	1.284112	25.0	200333.0	1.284112	Y
3	IC 480-604814/8	2.0	2.590967	25.0	203013.0	1.295484	Y
4	IC 480-604814/9	5.0	5.744411	25.0	208890.0	1.148882	Y
5	IC 480-604814/10	10.0	11.989615	25.0	204625.0	1.198962	Y
6	ICIS 480-604814/11	25.0	27.945422	25.0	207152.0	1.117817	Y
7	IC 480-604814/12	50.0	64.071982	25.0	209775.0	1.28144	Y
8	IC 480-604814/13	100.0	124.606419	25.0	213044.0	1.246064	Y



Calibration

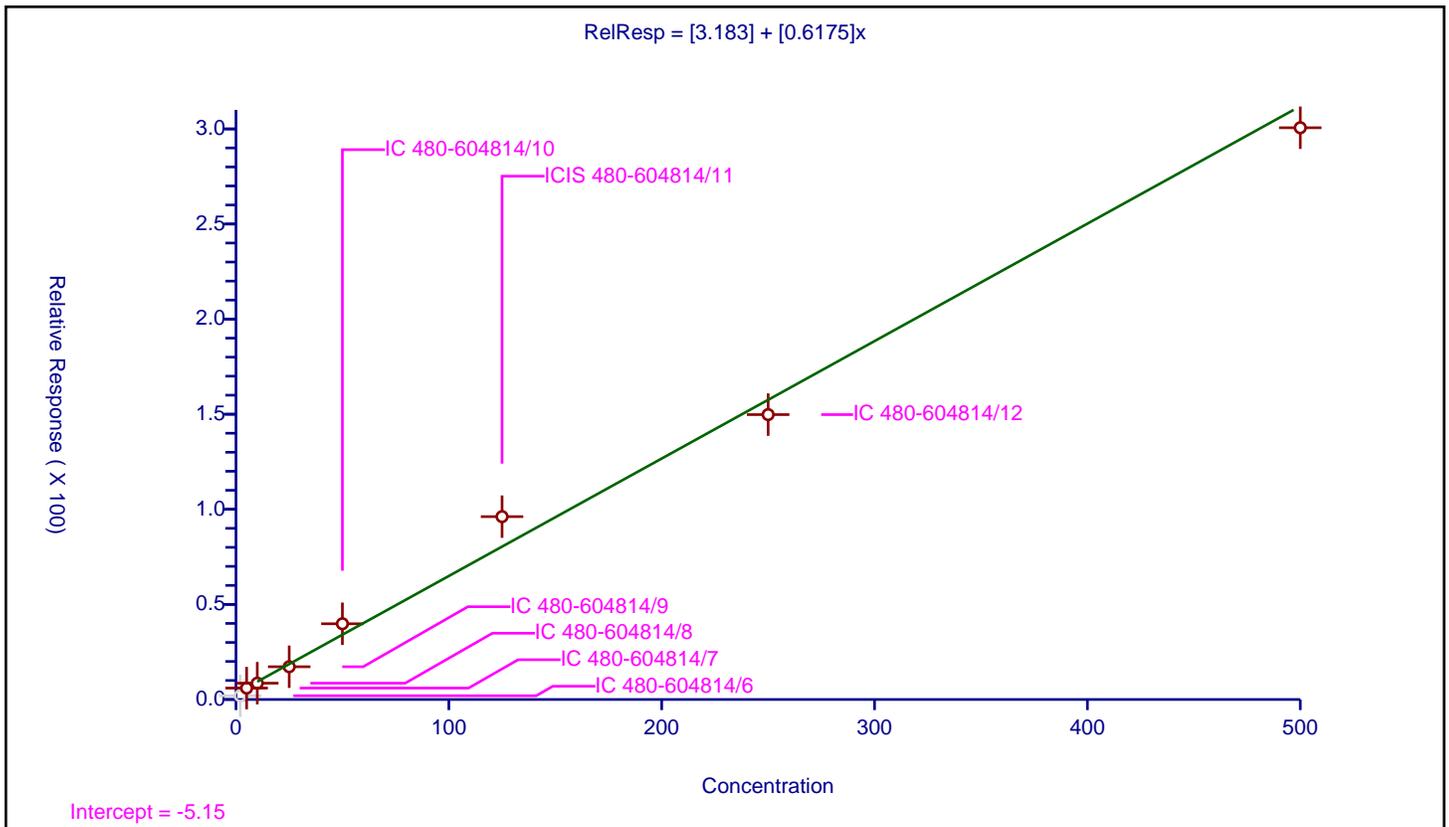
/ Acetone

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	3.183
Slope:	0.6175

Error Coefficients	
Standard Error:	1330000
Relative Standard Error:	15.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	2.0	1.963661	25.0	199347.0	0.981831	N
2	IC 480-604814/7	5.0	6.000759	25.0	200333.0	1.200152	Y
3	IC 480-604814/8	10.0	8.578392	25.0	203013.0	0.857839	Y
4	IC 480-604814/9	25.0	17.226291	25.0	208890.0	0.689052	Y
5	IC 480-604814/10	50.0	39.82529	25.0	204625.0	0.796506	Y
6	ICIS 480-604814/11	125.0	96.142446	25.0	207152.0	0.76914	Y
7	IC 480-604814/12	250.0	149.790728	25.0	209775.0	0.599163	Y
8	IC 480-604814/13	500.0	300.6183	25.0	213044.0	0.601237	Y



Calibration

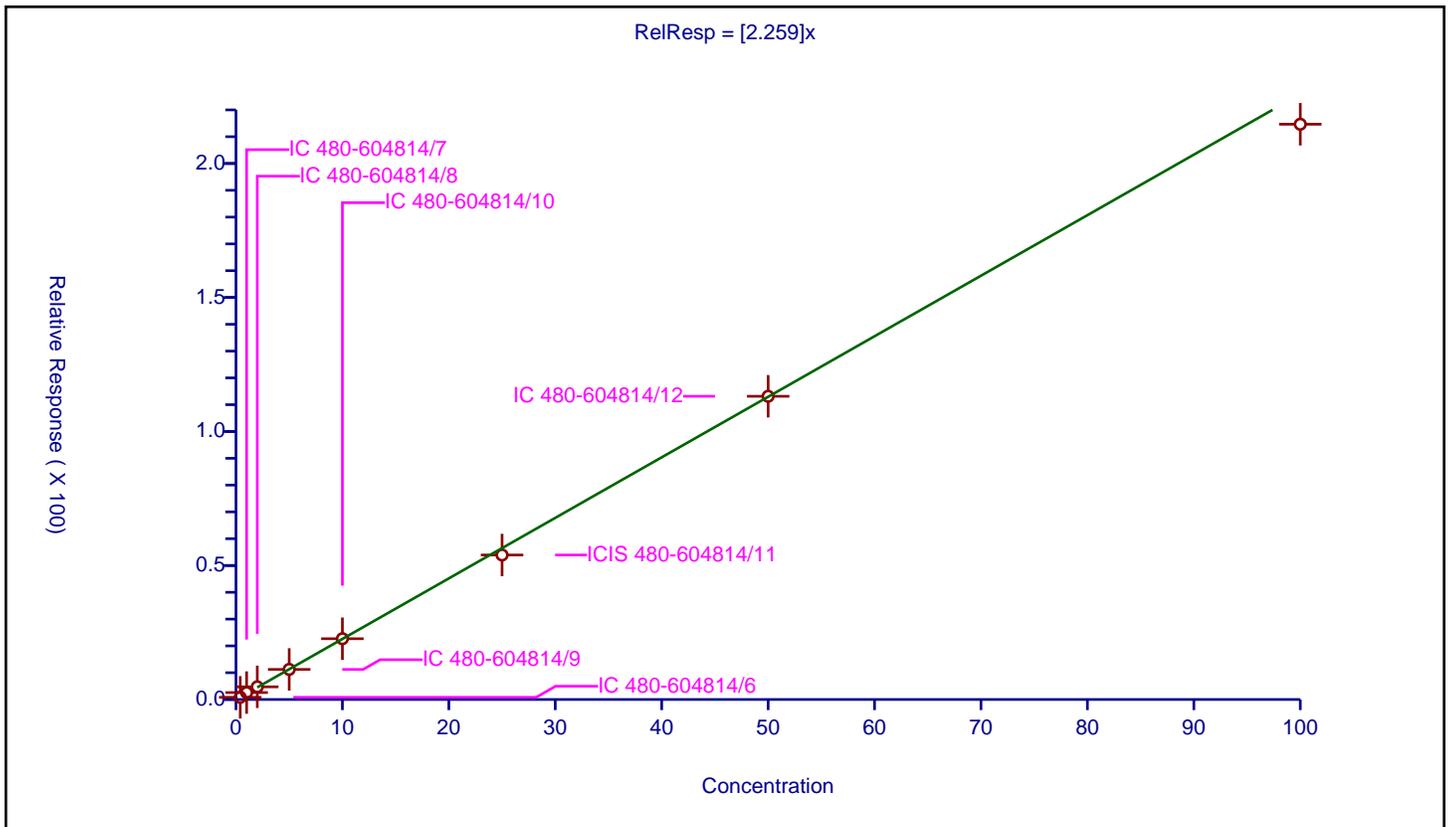
/ Iodomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.259

Error Coefficients	
Standard Error:	801000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.819175	25.0	199347.0	2.047937	Y
2	IC 480-604814/7	1.0	2.58532	25.0	200333.0	2.58532	Y
3	IC 480-604814/8	2.0	4.719895	25.0	203013.0	2.359947	Y
4	IC 480-604814/9	5.0	11.224568	25.0	208890.0	2.244914	Y
5	IC 480-604814/10	10.0	22.676726	25.0	204625.0	2.267673	Y
6	ICIS 480-604814/11	25.0	53.915965	25.0	207152.0	2.156639	Y
7	IC 480-604814/12	50.0	113.138958	25.0	209775.0	2.262779	Y
8	IC 480-604814/13	100.0	214.651434	25.0	213044.0	2.146514	Y



Calibration

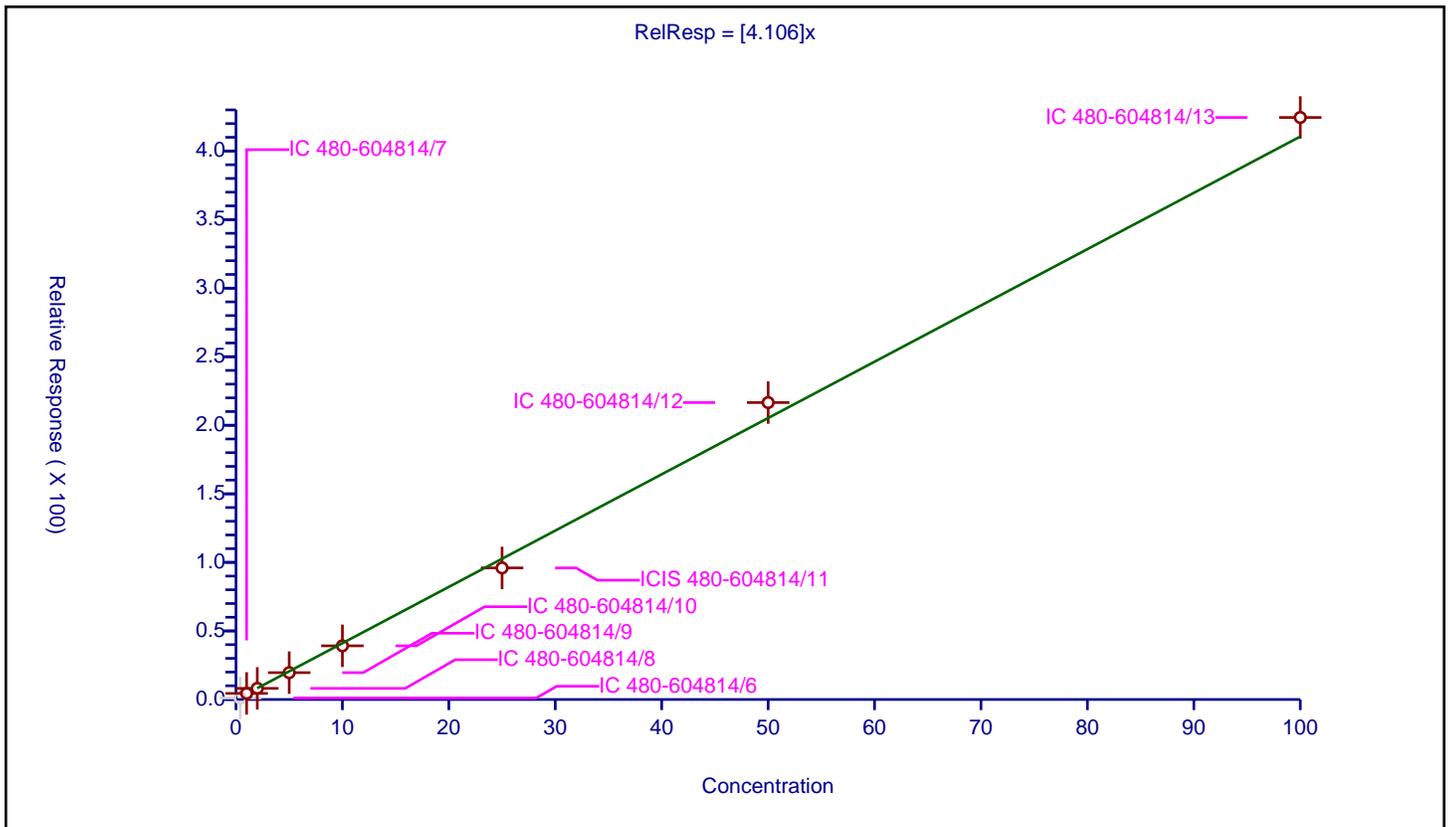
/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.106

Error Coefficients	
Standard Error:	1690000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.075135	25.0	199347.0	2.687838	N
2	IC 480-604814/7	1.0	4.440606	25.0	200333.0	4.440606	Y
3	IC 480-604814/8	2.0	8.108717	25.0	203013.0	4.054359	Y
4	IC 480-604814/9	5.0	19.572502	25.0	208890.0	3.9145	Y
5	IC 480-604814/10	10.0	39.157117	25.0	204625.0	3.915712	Y
6	ICIS 480-604814/11	25.0	95.955144	25.0	207152.0	3.838206	Y
7	IC 480-604814/12	50.0	216.55929	25.0	209775.0	4.331186	Y
8	IC 480-604814/13	100.0	424.476282	25.0	213044.0	4.244763	Y



Calibration

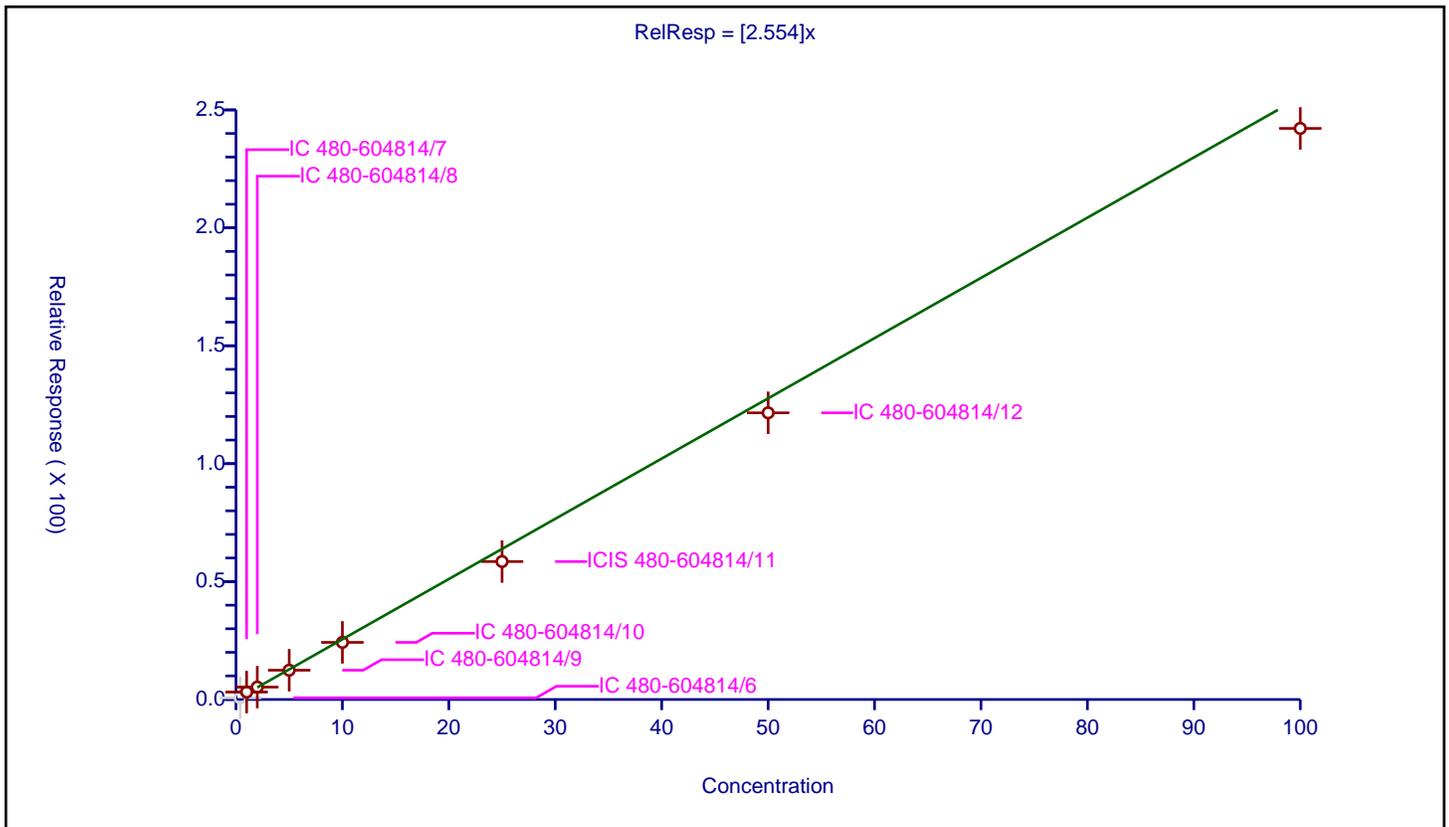
/ 3-Chloro-1-propene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.554

Error Coefficients	
Standard Error:	965000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.706808	25.0	199347.0	1.767019	N
2	IC 480-604814/7	1.0	3.150255	25.0	200333.0	3.150255	Y
3	IC 480-604814/8	2.0	5.256314	25.0	203013.0	2.628157	Y
4	IC 480-604814/9	5.0	12.415984	25.0	208890.0	2.483197	Y
5	IC 480-604814/10	10.0	24.225046	25.0	204625.0	2.422505	Y
6	ICIS 480-604814/11	25.0	58.49497	25.0	207152.0	2.339799	Y
7	IC 480-604814/12	50.0	121.54916	25.0	209775.0	2.430983	Y
8	IC 480-604814/13	100.0	242.149744	25.0	213044.0	2.421497	Y



Calibration

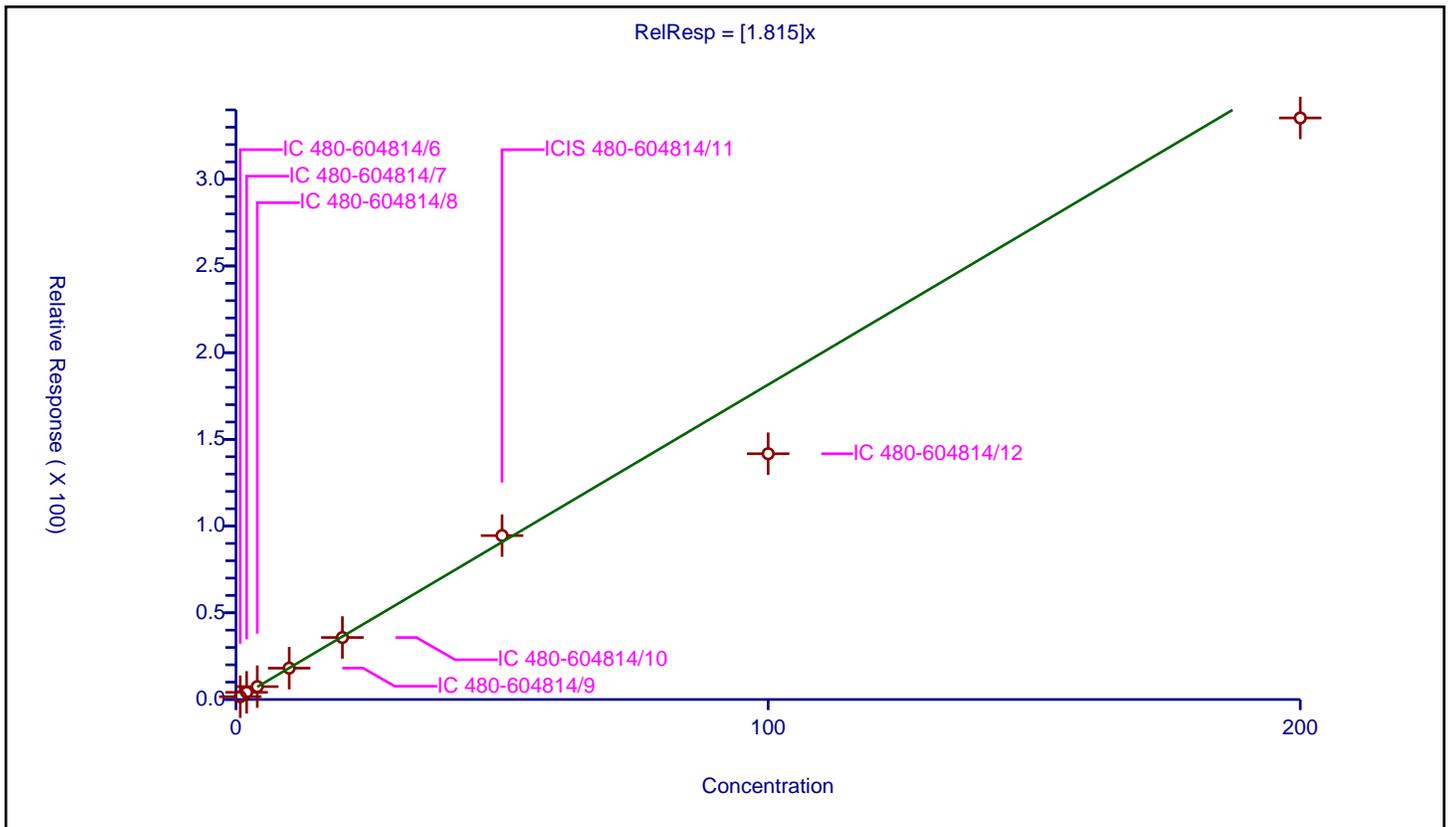
/ Methyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.815

Error Coefficients	
Standard Error:	1210000
Relative Standard Error:	11.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.8	1.609254	25.0	199347.0	2.011568	Y
2	IC 480-604814/7	2.0	4.142977	25.0	200333.0	2.071488	Y
3	IC 480-604814/8	4.0	7.443243	25.0	203013.0	1.860811	Y
4	IC 480-604814/9	10.0	18.075901	25.0	208890.0	1.80759	Y
5	IC 480-604814/10	20.0	35.754551	25.0	204625.0	1.787728	Y
6	ICIS 480-604814/11	50.0	94.512604	25.0	207152.0	1.890252	Y
7	IC 480-604814/12	100.0	141.736742	25.0	209775.0	1.417367	Y
8	IC 480-604814/13	200.0	335.357602	25.0	213044.0	1.676788	Y



Calibration

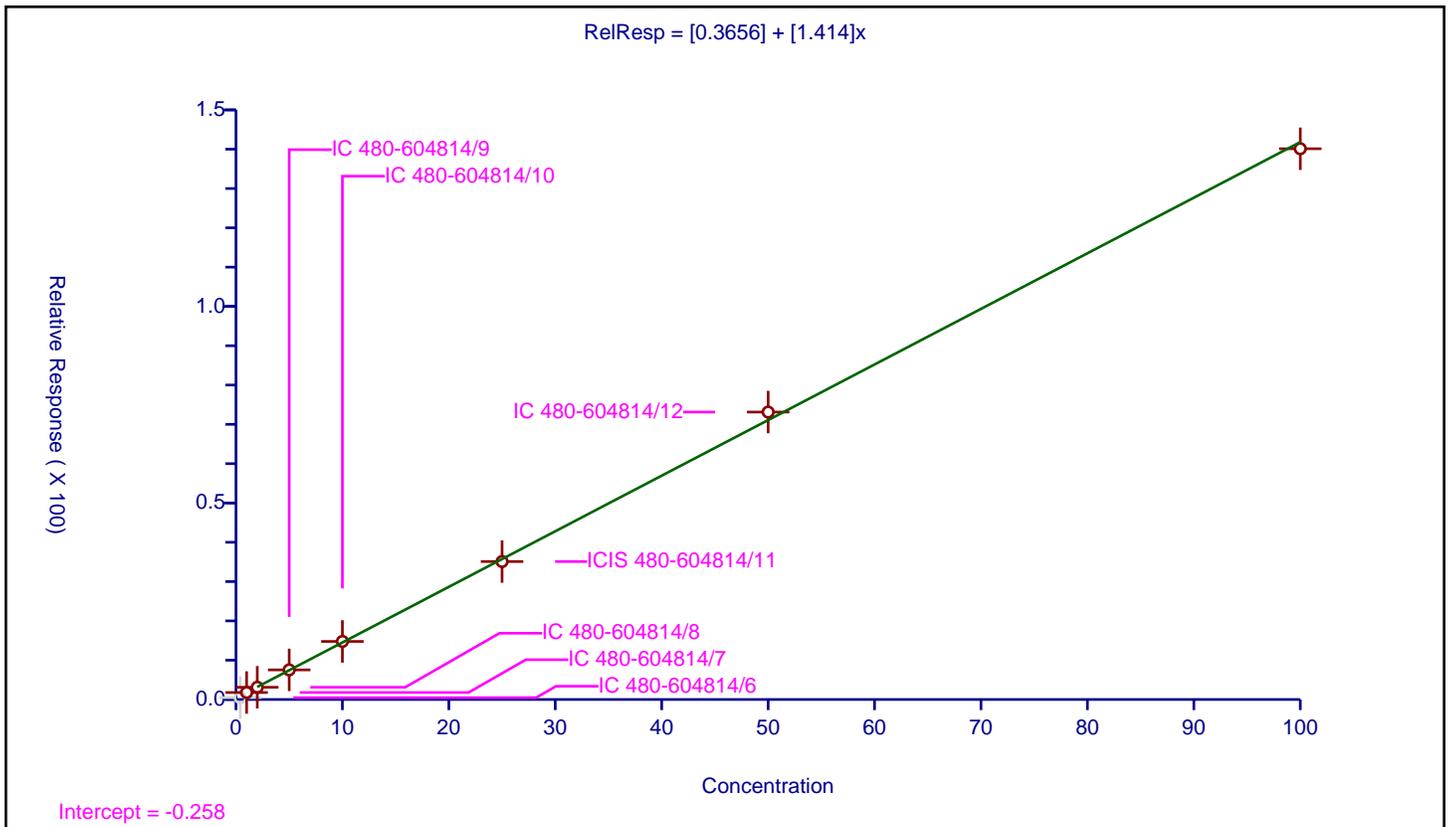
/ Methylene Chloride

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.3656
Slope:	1.414

Error Coefficients	
Standard Error:	617000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.475302	25.0	199347.0	1.188255	N
2	IC 480-604814/7	1.0	1.775793	25.0	200333.0	1.775793	Y
3	IC 480-604814/8	2.0	3.114825	25.0	203013.0	1.557413	Y
4	IC 480-604814/9	5.0	7.532074	25.0	208890.0	1.506415	Y
5	IC 480-604814/10	10.0	14.772266	25.0	204625.0	1.477227	Y
6	ICIS 480-604814/11	25.0	35.091865	25.0	207152.0	1.403675	Y
7	IC 480-604814/12	50.0	73.127041	25.0	209775.0	1.462541	Y
8	IC 480-604814/13	100.0	140.120703	25.0	213044.0	1.401207	Y



Calibration

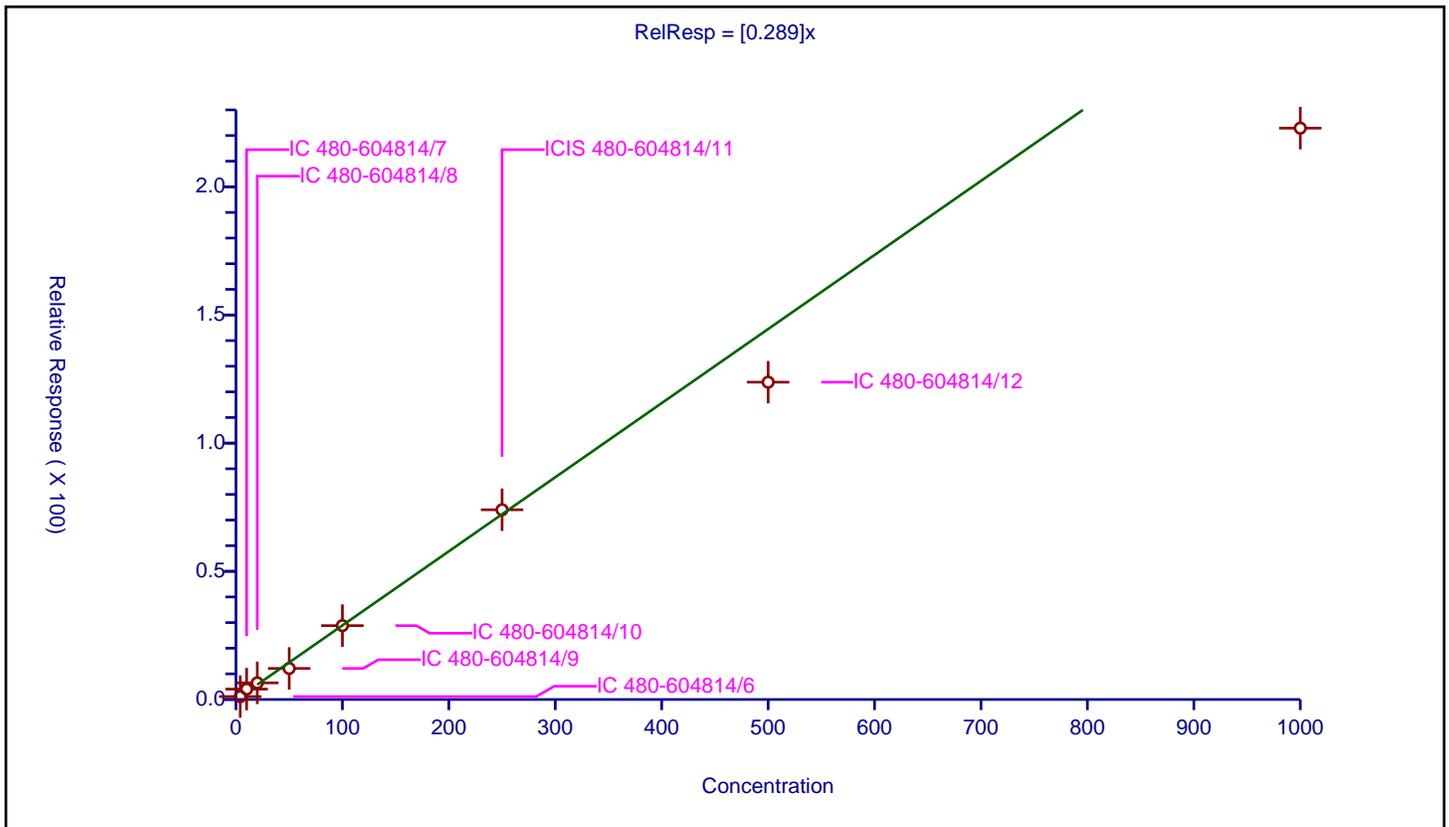
/ 2-Methyl-2-propanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.289

Error Coefficients	
Standard Error:	856000
Relative Standard Error:	19.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.948

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	4.0	1.142982	25.0	199347.0	0.285745	Y
2	IC 480-604814/7	10.0	4.049258	25.0	200333.0	0.404926	Y
3	IC 480-604814/8	20.0	6.490717	25.0	203013.0	0.324536	Y
4	IC 480-604814/9	50.0	12.117741	25.0	208890.0	0.242355	Y
5	IC 480-604814/10	100.0	28.812584	25.0	204625.0	0.288126	Y
6	ICIS 480-604814/11	250.0	74.011957	25.0	207152.0	0.296048	Y
7	IC 480-604814/12	500.0	123.779645	25.0	209775.0	0.247559	Y
8	IC 480-604814/13	1000.0	222.881776	25.0	213044.0	0.222882	Y



Calibration

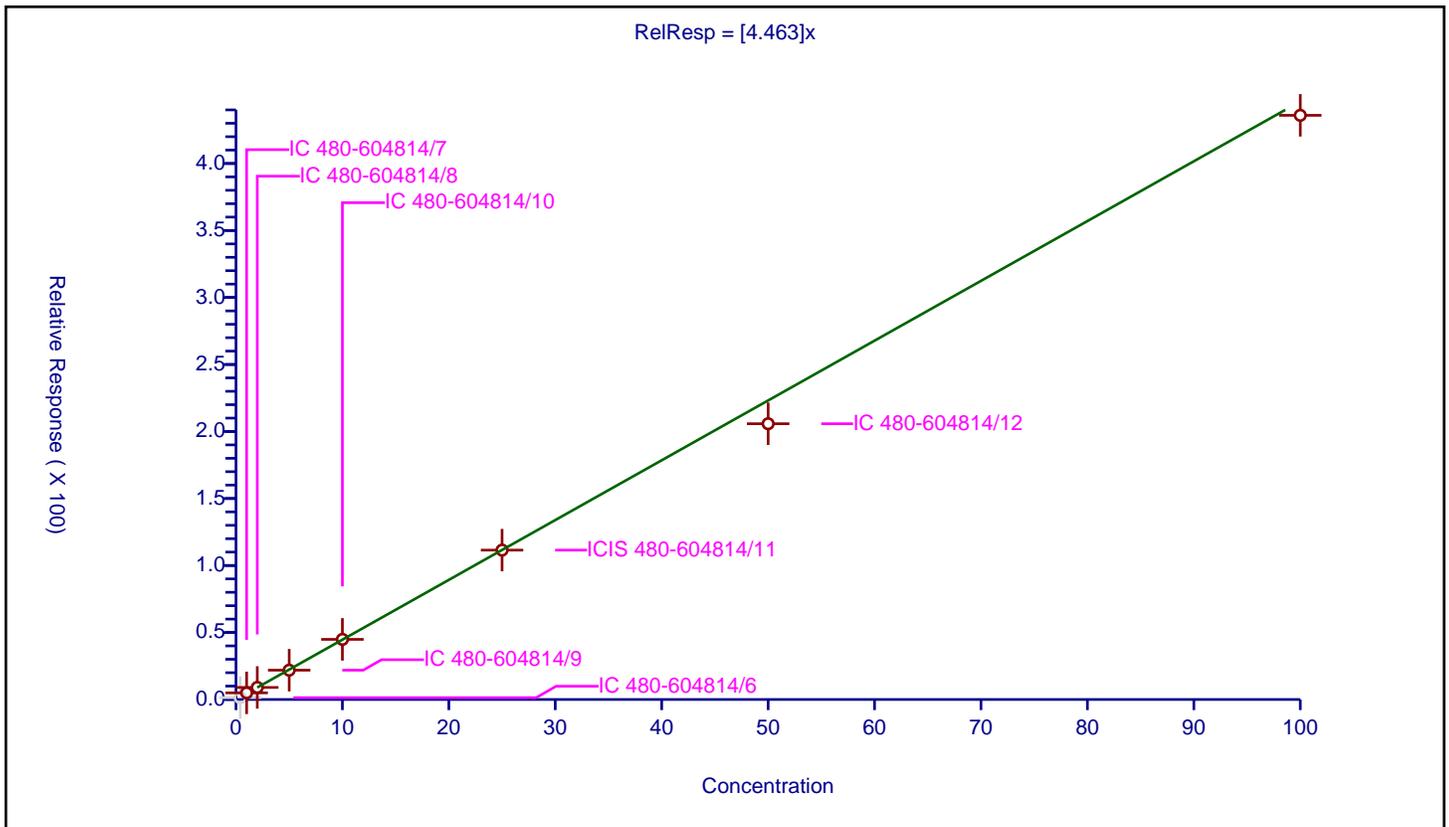
/ Methyl tert-butyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.463

Error Coefficients	
Standard Error:	1720000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.368719	25.0	199347.0	3.421797	N
2	IC 480-604814/7	1.0	4.951631	25.0	200333.0	4.951631	Y
3	IC 480-604814/8	2.0	8.989942	25.0	203013.0	4.494971	Y
4	IC 480-604814/9	5.0	21.865695	25.0	208890.0	4.373139	Y
5	IC 480-604814/10	10.0	44.868051	25.0	204625.0	4.486805	Y
6	ICIS 480-604814/11	25.0	111.472614	25.0	207152.0	4.458905	Y
7	IC 480-604814/12	50.0	205.790967	25.0	209775.0	4.115819	Y
8	IC 480-604814/13	100.0	435.937764	25.0	213044.0	4.359378	Y



Calibration

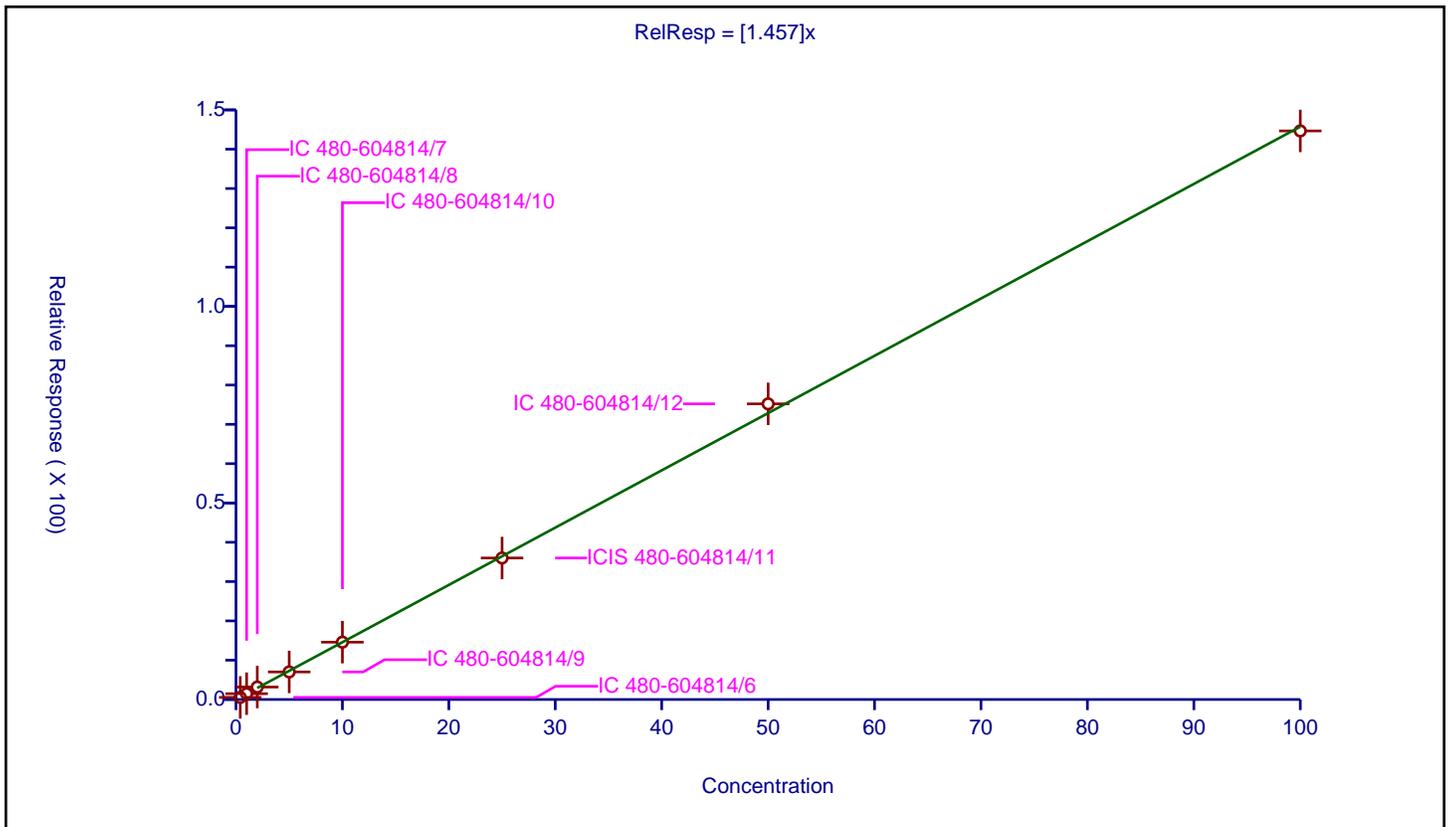
/ trans-1,2-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.457

Error Coefficients	
Standard Error:	538000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.53763	25.0	199347.0	1.344076	Y
2	IC 480-604814/7	1.0	1.479162	25.0	200333.0	1.479162	Y
3	IC 480-604814/8	2.0	3.168024	25.0	203013.0	1.584012	Y
4	IC 480-604814/9	5.0	7.008832	25.0	208890.0	1.401766	Y
5	IC 480-604814/10	10.0	14.590348	25.0	204625.0	1.459035	Y
6	ICIS 480-604814/11	25.0	35.997239	25.0	207152.0	1.43989	Y
7	IC 480-604814/12	50.0	75.210464	25.0	209775.0	1.504209	Y
8	IC 480-604814/13	100.0	144.648875	25.0	213044.0	1.446489	Y



Calibration

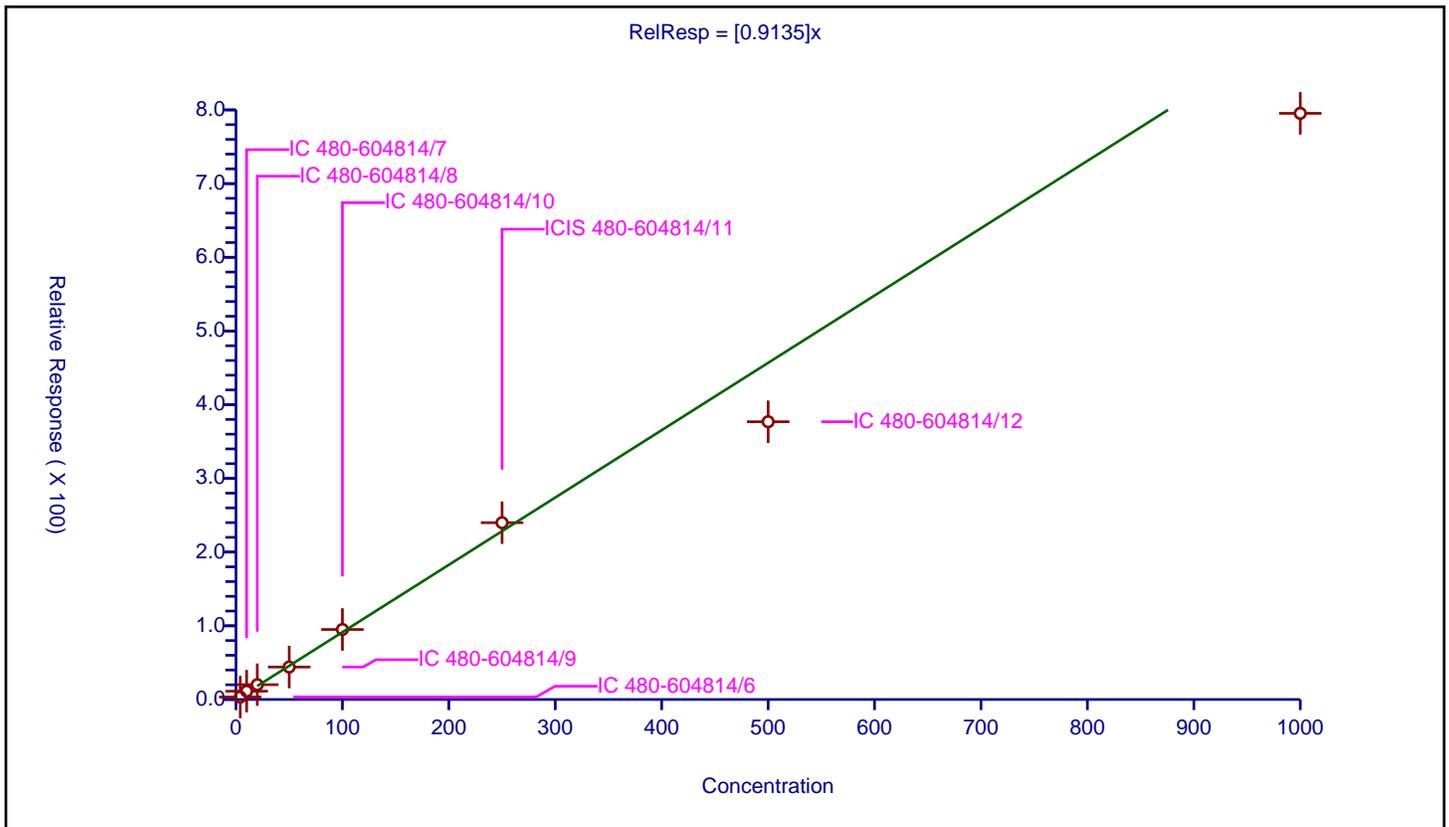
/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9135

Error Coefficients	
Standard Error:	2940000
Relative Standard Error:	13.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	4.0	3.343667	25.0	199347.0	0.835917	Y
2	IC 480-604814/7	10.0	11.286333	25.0	200333.0	1.128633	Y
3	IC 480-604814/8	20.0	20.078887	25.0	203013.0	1.003944	Y
4	IC 480-604814/9	50.0	44.06446	25.0	208890.0	0.881289	Y
5	IC 480-604814/10	100.0	94.984973	25.0	204625.0	0.94985	Y
6	ICIS 480-604814/11	250.0	239.902704	25.0	207152.0	0.959611	Y
7	IC 480-604814/12	500.0	376.883208	25.0	209775.0	0.753766	Y
8	IC 480-604814/13	1000.0	795.336879	25.0	213044.0	0.795337	Y



Calibration

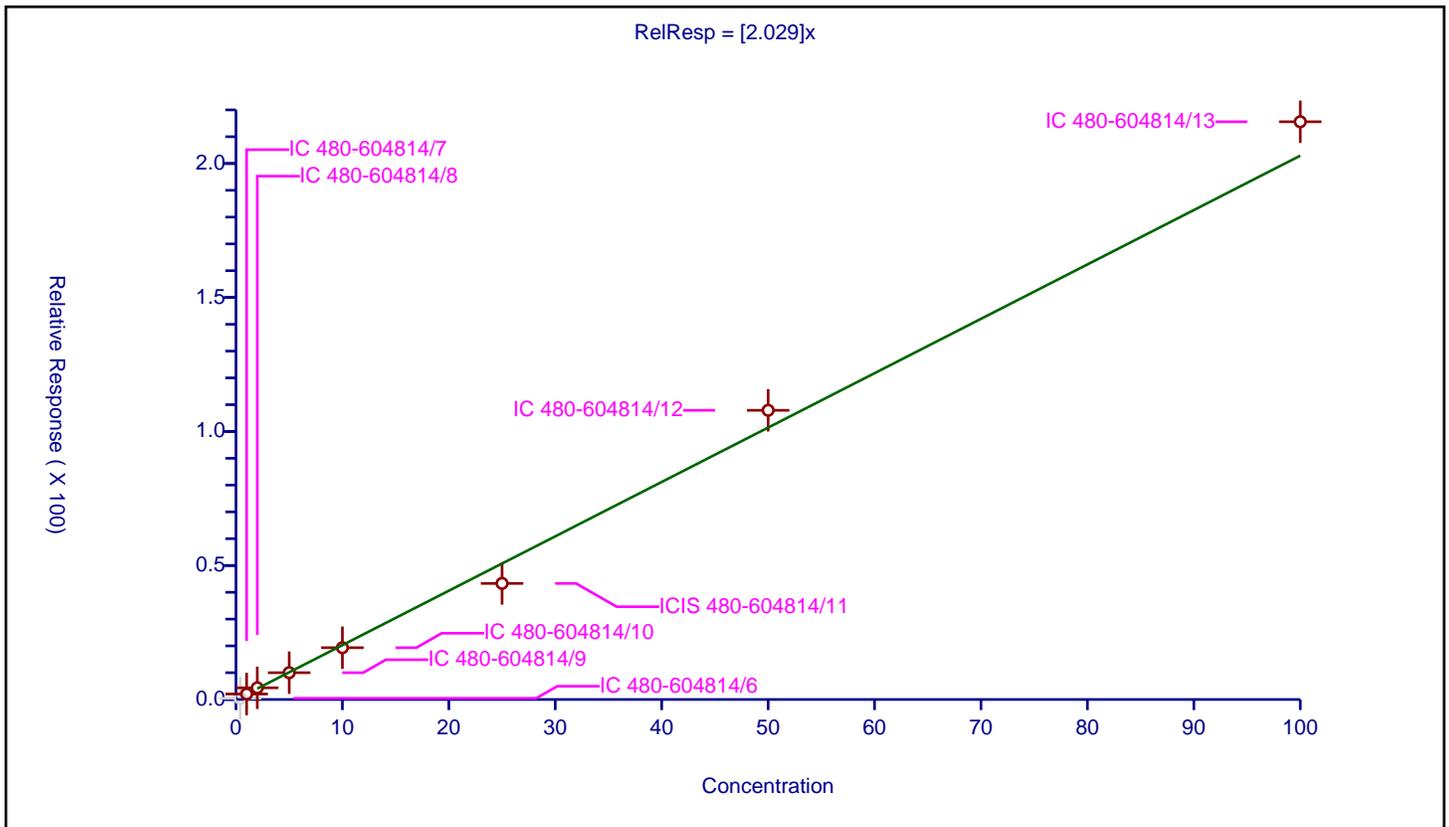
/ Hexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.029

Error Coefficients	
Standard Error:	852000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.446959	25.0	199347.0	1.117398	N
2	IC 480-604814/7	1.0	2.04497	25.0	200333.0	2.04497	Y
3	IC 480-604814/8	2.0	4.361051	25.0	203013.0	2.180525	Y
4	IC 480-604814/9	5.0	9.996649	25.0	208890.0	1.99933	Y
5	IC 480-604814/10	10.0	19.326206	25.0	204625.0	1.932621	Y
6	ICIS 480-604814/11	25.0	43.31264	25.0	207152.0	1.732506	Y
7	IC 480-604814/12	50.0	107.909546	25.0	209775.0	2.158191	Y
8	IC 480-604814/13	100.0	215.572839	25.0	213044.0	2.155728	Y



Calibration

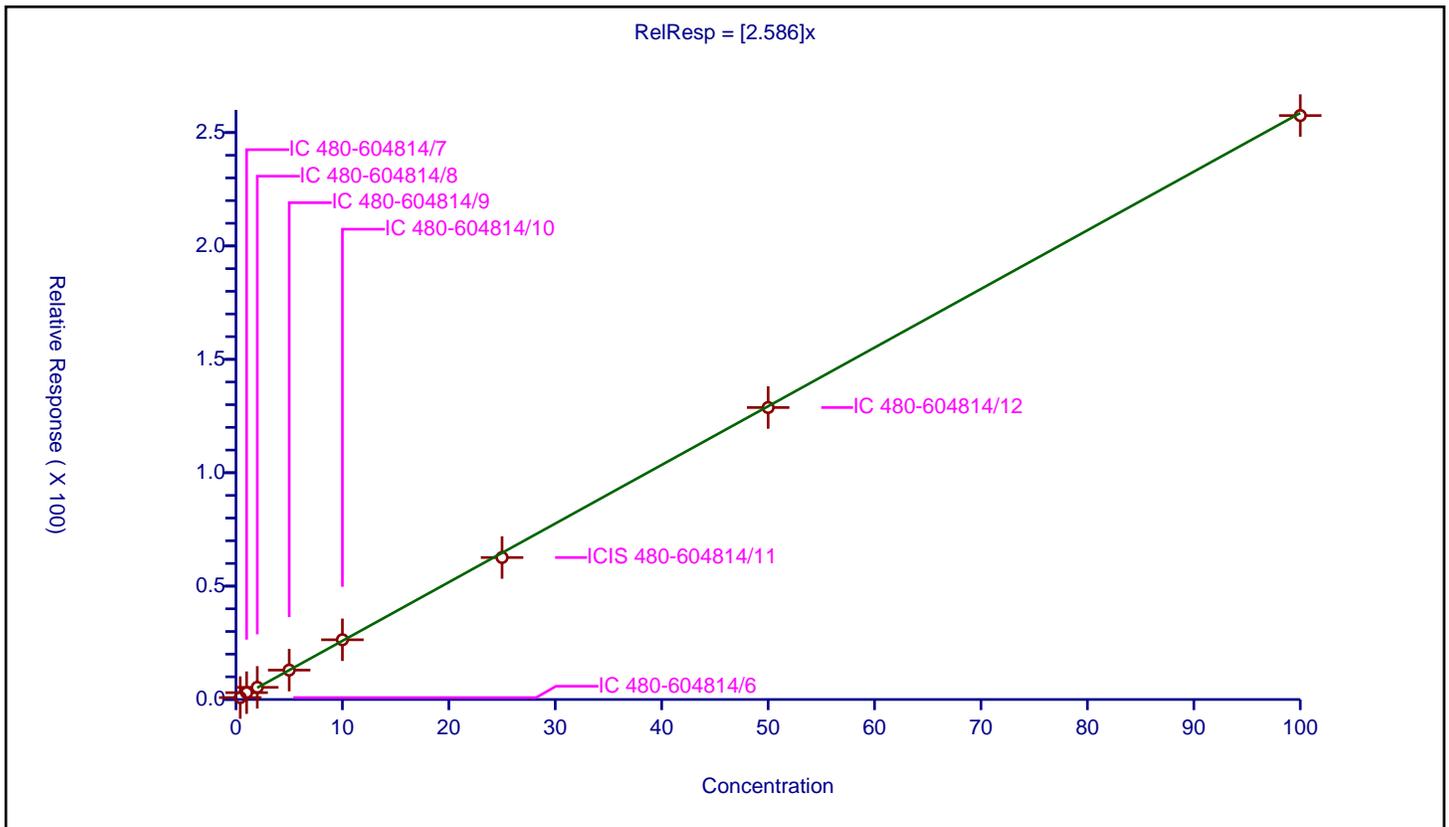
/ 1,1-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.586

Error Coefficients	
Standard Error:	949000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.844633	25.0	199347.0	2.111582	Y
2	IC 480-604814/7	1.0	3.020845	25.0	200333.0	3.020845	Y
3	IC 480-604814/8	2.0	5.357662	25.0	203013.0	2.678831	Y
4	IC 480-604814/9	5.0	12.959093	25.0	208890.0	2.591819	Y
5	IC 480-604814/10	10.0	26.334148	25.0	204625.0	2.633415	Y
6	ICIS 480-604814/11	25.0	62.608616	25.0	207152.0	2.504345	Y
7	IC 480-604814/12	50.0	128.746752	25.0	209775.0	2.574935	Y
8	IC 480-604814/13	100.0	257.494931	25.0	213044.0	2.574949	Y



Calibration

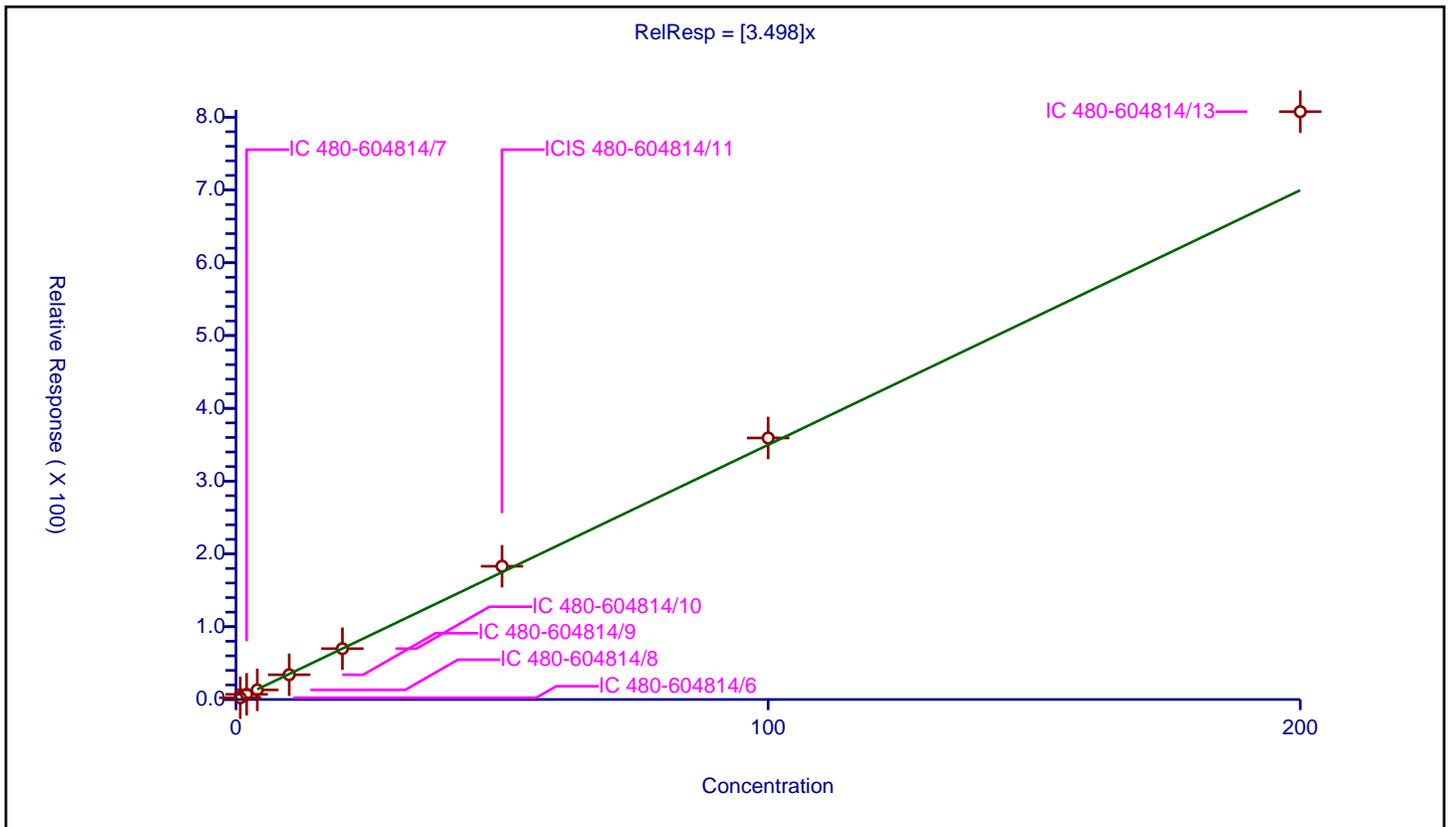
/ Vinyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.498

Error Coefficients	
Standard Error:	2910000
Relative Standard Error:	8.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.8	2.374001	25.0	199347.0	2.967501	Y
2	IC 480-604814/7	2.0	7.07185	25.0	200333.0	3.535925	Y
3	IC 480-604814/8	4.0	13.190411	25.0	203013.0	3.297603	Y
4	IC 480-604814/9	10.0	34.011322	25.0	208890.0	3.401132	Y
5	IC 480-604814/10	20.0	69.85901	25.0	204625.0	3.492951	Y
6	ICIS 480-604814/11	50.0	183.045421	25.0	207152.0	3.660908	Y
7	IC 480-604814/12	100.0	359.282326	25.0	209775.0	3.592823	Y
8	IC 480-604814/13	200.0	807.55067	25.0	213044.0	4.037753	Y



Calibration

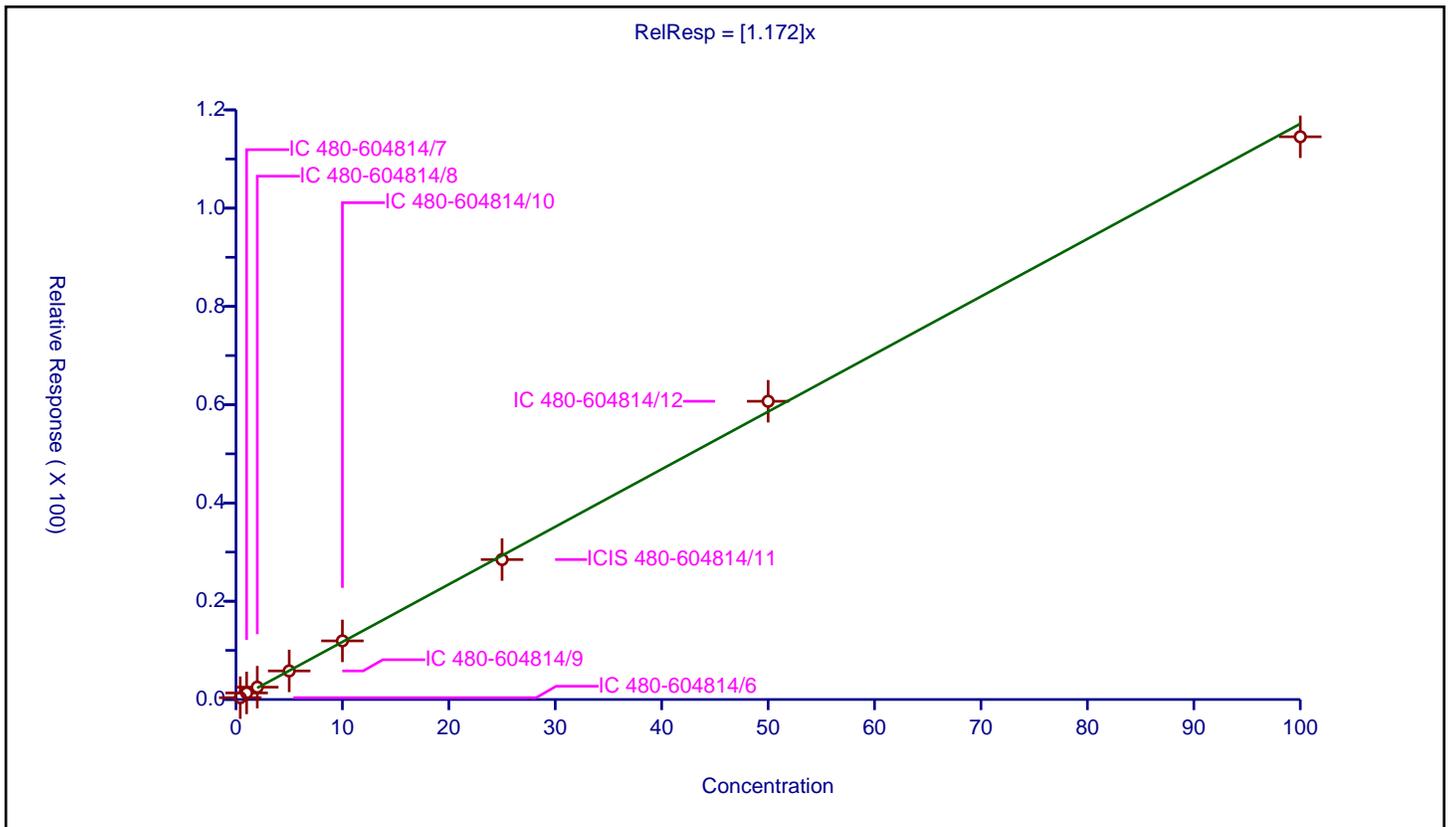
/ 2,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.172

Error Coefficients	
Standard Error:	428000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.37046	25.0	199347.0	0.926149	Y
2	IC 480-604814/7	1.0	1.337024	25.0	200333.0	1.337024	Y
3	IC 480-604814/8	2.0	2.51314	25.0	203013.0	1.25657	Y
4	IC 480-604814/9	5.0	5.812868	25.0	208890.0	1.162574	Y
5	IC 480-604814/10	10.0	11.929383	25.0	204625.0	1.192938	Y
6	ICIS 480-604814/11	25.0	28.482226	25.0	207152.0	1.139289	Y
7	IC 480-604814/12	50.0	60.698606	25.0	209775.0	1.213972	Y
8	IC 480-604814/13	100.0	114.528924	25.0	213044.0	1.145289	Y



Calibration

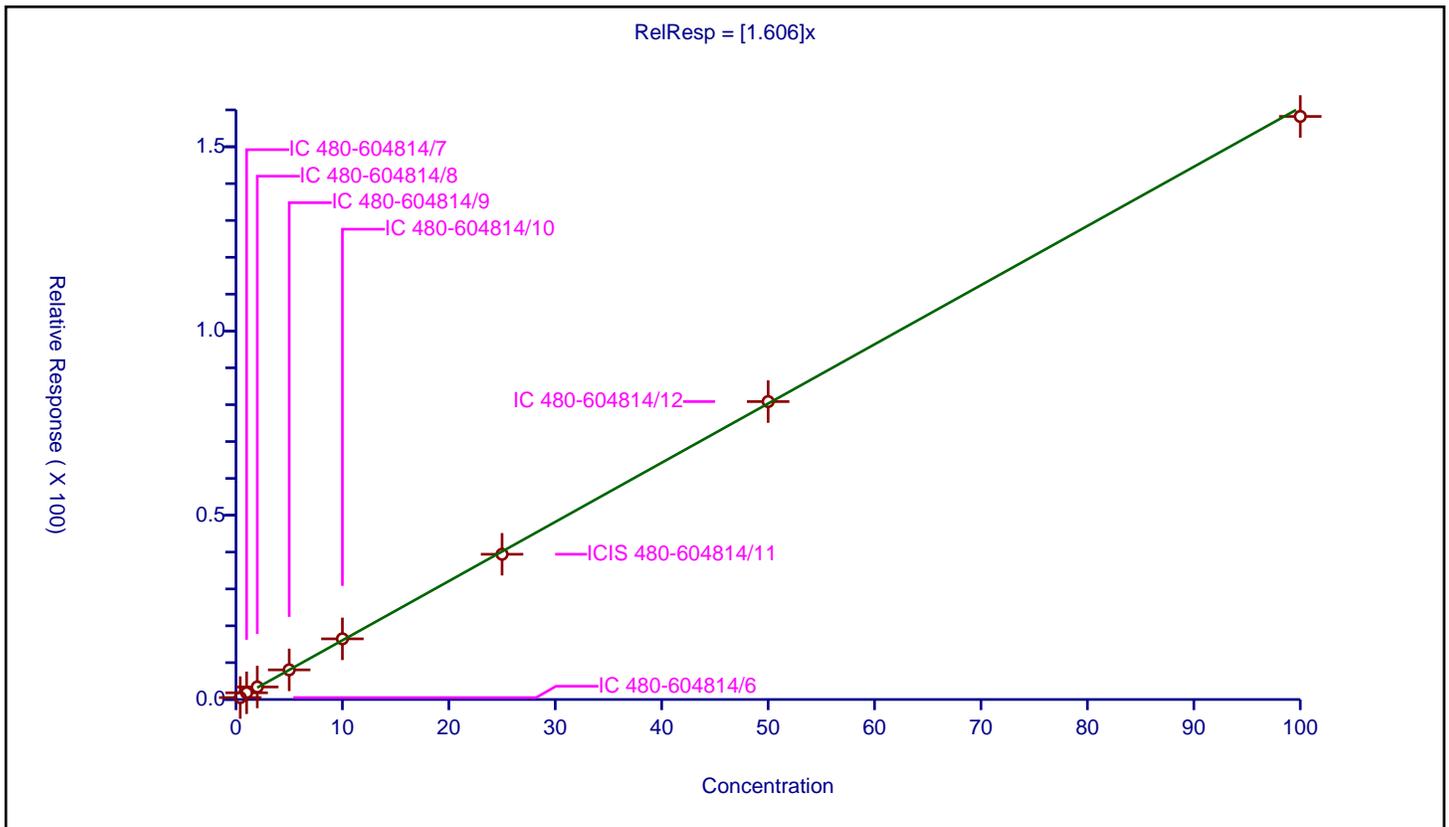
/ cis-1,2-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.606

Error Coefficients	
Standard Error:	587000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.519697	25.0	199347.0	1.299242	Y
2	IC 480-604814/7	1.0	1.823963	25.0	200333.0	1.823963	Y
3	IC 480-604814/8	2.0	3.39695	25.0	203013.0	1.698475	Y
4	IC 480-604814/9	5.0	8.037244	25.0	208890.0	1.607449	Y
5	IC 480-604814/10	10.0	16.456323	25.0	204625.0	1.645632	Y
6	ICIS 480-604814/11	25.0	39.414416	25.0	207152.0	1.576577	Y
7	IC 480-604814/12	50.0	80.844238	25.0	209775.0	1.616885	Y
8	IC 480-604814/13	100.0	158.226118	25.0	213044.0	1.582261	Y



Calibration

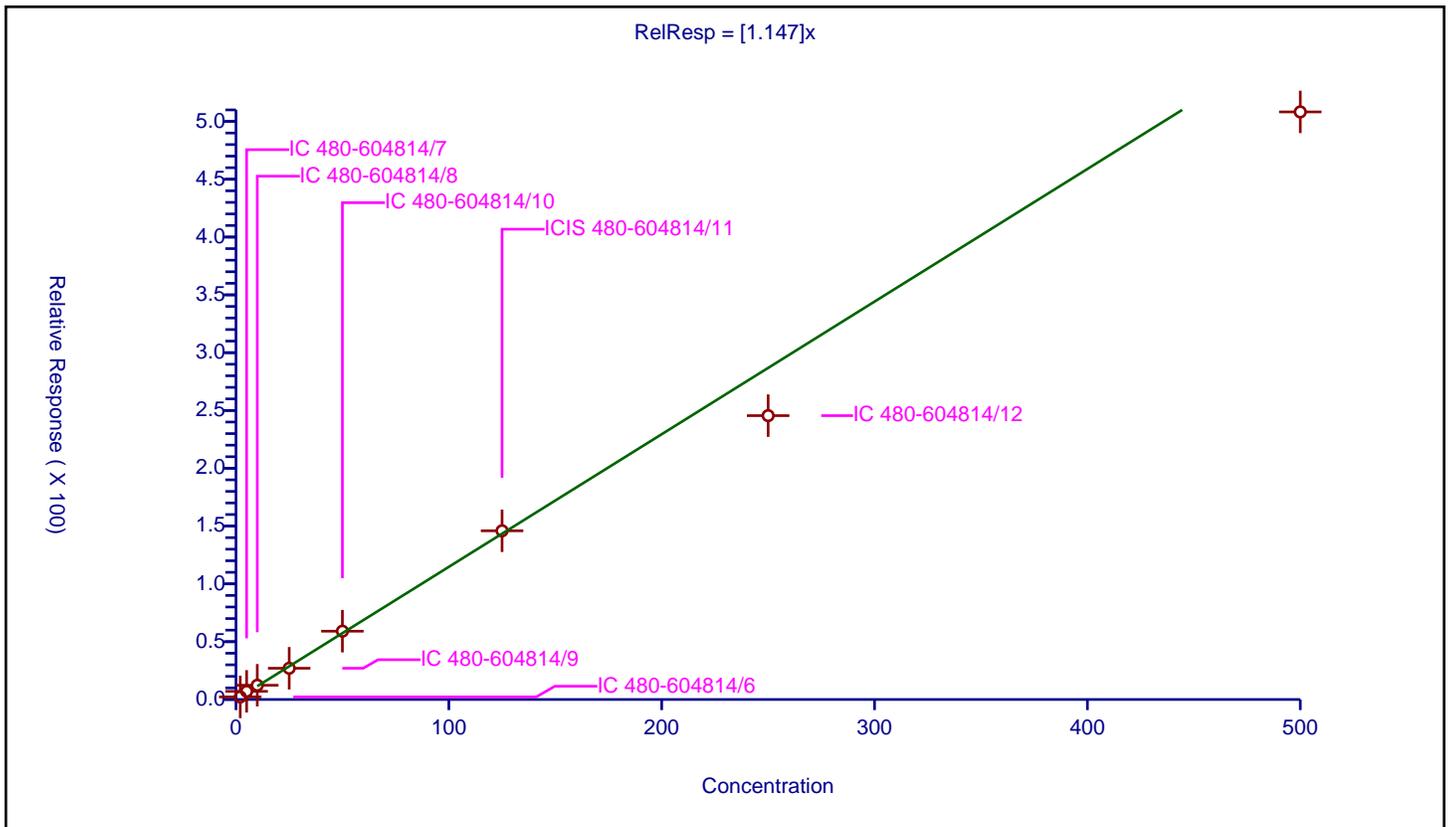
/ 2-Butanone (MEK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.147

Error Coefficients	
Standard Error:	1880000
Relative Standard Error:	11.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	2.0	2.212725	25.0	199347.0	1.106362	Y
2	IC 480-604814/7	5.0	7.051884	25.0	200333.0	1.410377	Y
3	IC 480-604814/8	10.0	12.325319	25.0	203013.0	1.232532	Y
4	IC 480-604814/9	25.0	27.022237	25.0	208890.0	1.080889	Y
5	IC 480-604814/10	50.0	59.097007	25.0	204625.0	1.18194	Y
6	ICIS 480-604814/11	125.0	145.927749	25.0	207152.0	1.167422	Y
7	IC 480-604814/12	250.0	245.526874	25.0	209775.0	0.982107	Y
8	IC 480-604814/13	500.0	508.251934	25.0	213044.0	1.016504	Y



Calibration

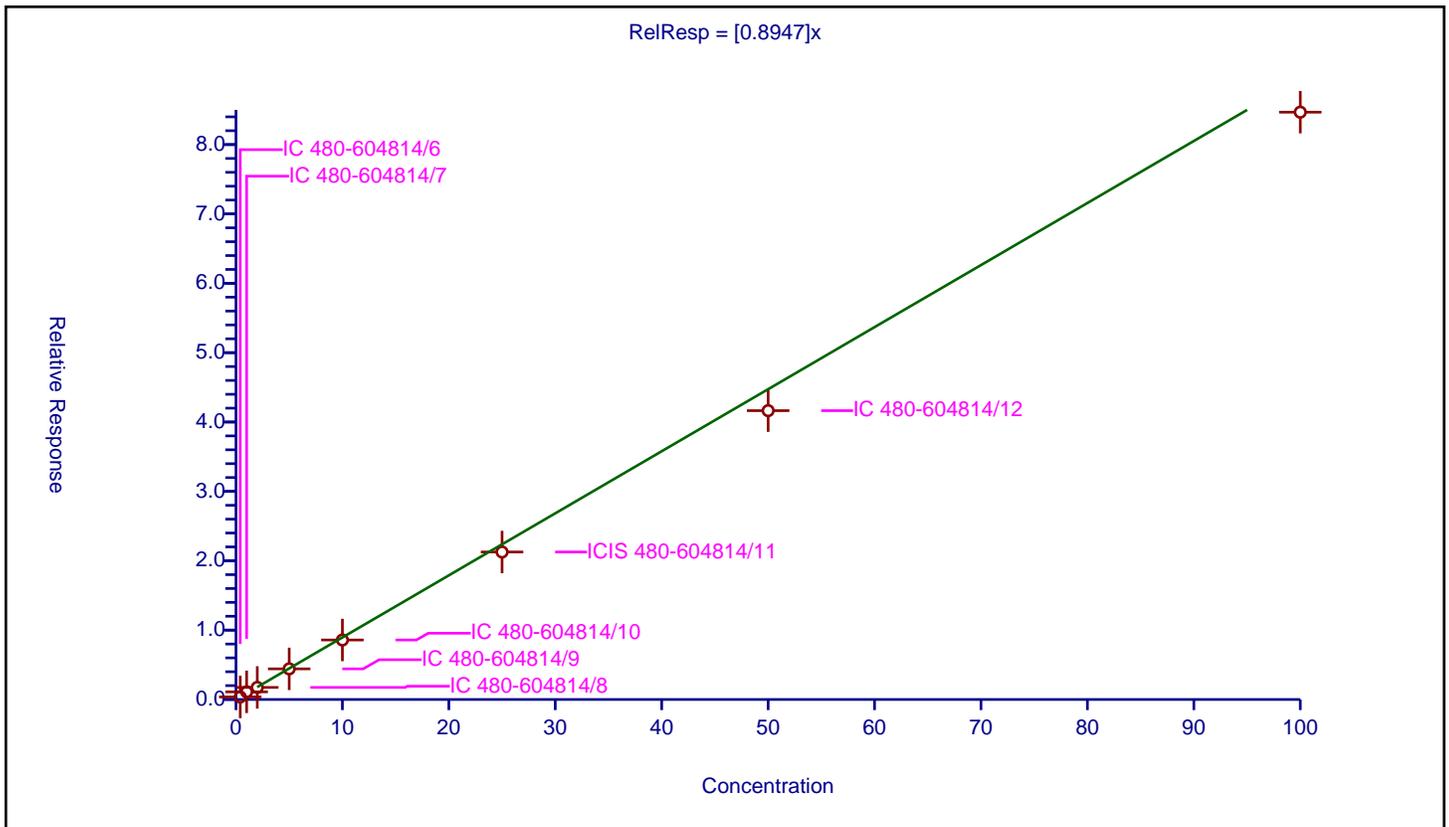
/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8947

Error Coefficients	
Standard Error:	312000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.36444	25.0	199347.0	0.9111	Y
2	IC 480-604814/7	1.0	1.104162	25.0	200333.0	1.104162	Y
3	IC 480-604814/8	2.0	1.741884	25.0	203013.0	0.870942	Y
4	IC 480-604814/9	5.0	4.41632	25.0	208890.0	0.883264	Y
5	IC 480-604814/10	10.0	8.578497	25.0	204625.0	0.85785	Y
6	ICIS 480-604814/11	25.0	21.264699	25.0	207152.0	0.850588	Y
7	IC 480-604814/12	50.0	41.639256	25.0	209775.0	0.832785	Y
8	IC 480-604814/13	100.0	84.669364	25.0	213044.0	0.846694	Y



Calibration

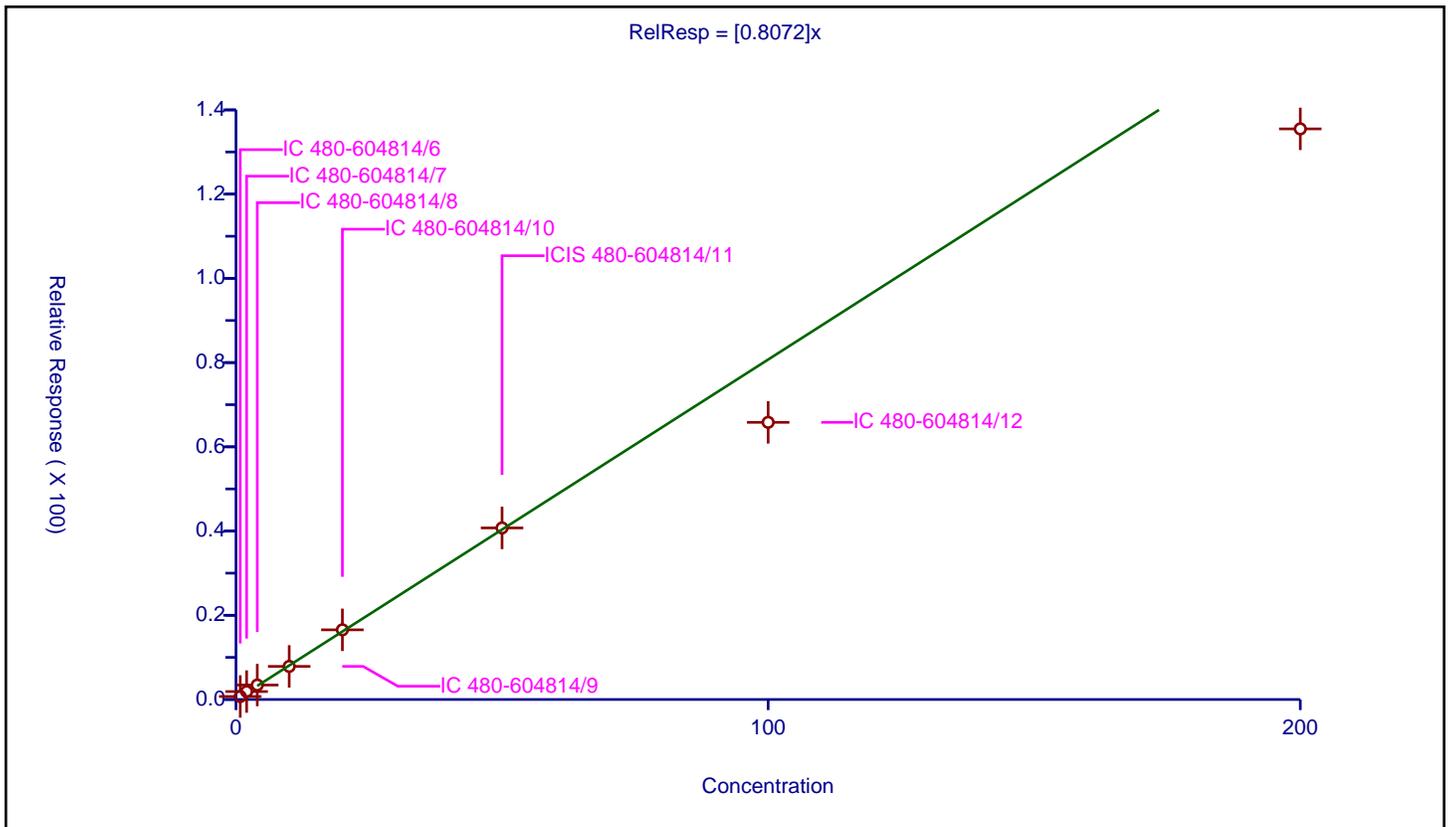
/ Tetrahydrofuran

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8072

Error Coefficients	
Standard Error:	504000
Relative Standard Error:	12.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.8	0.713329	25.0	199347.0	0.891661	Y
2	IC 480-604814/7	2.0	1.886734	25.0	200333.0	0.943367	Y
3	IC 480-604814/8	4.0	3.434755	25.0	203013.0	0.858689	Y
4	IC 480-604814/9	10.0	7.862631	25.0	208890.0	0.786263	Y
5	IC 480-604814/10	20.0	16.540623	25.0	204625.0	0.827031	Y
6	ICIS 480-604814/11	50.0	40.736754	25.0	207152.0	0.814735	Y
7	IC 480-604814/12	100.0	65.807889	25.0	209775.0	0.658079	Y
8	IC 480-604814/13	200.0	135.4895	25.0	213044.0	0.677447	Y



Calibration

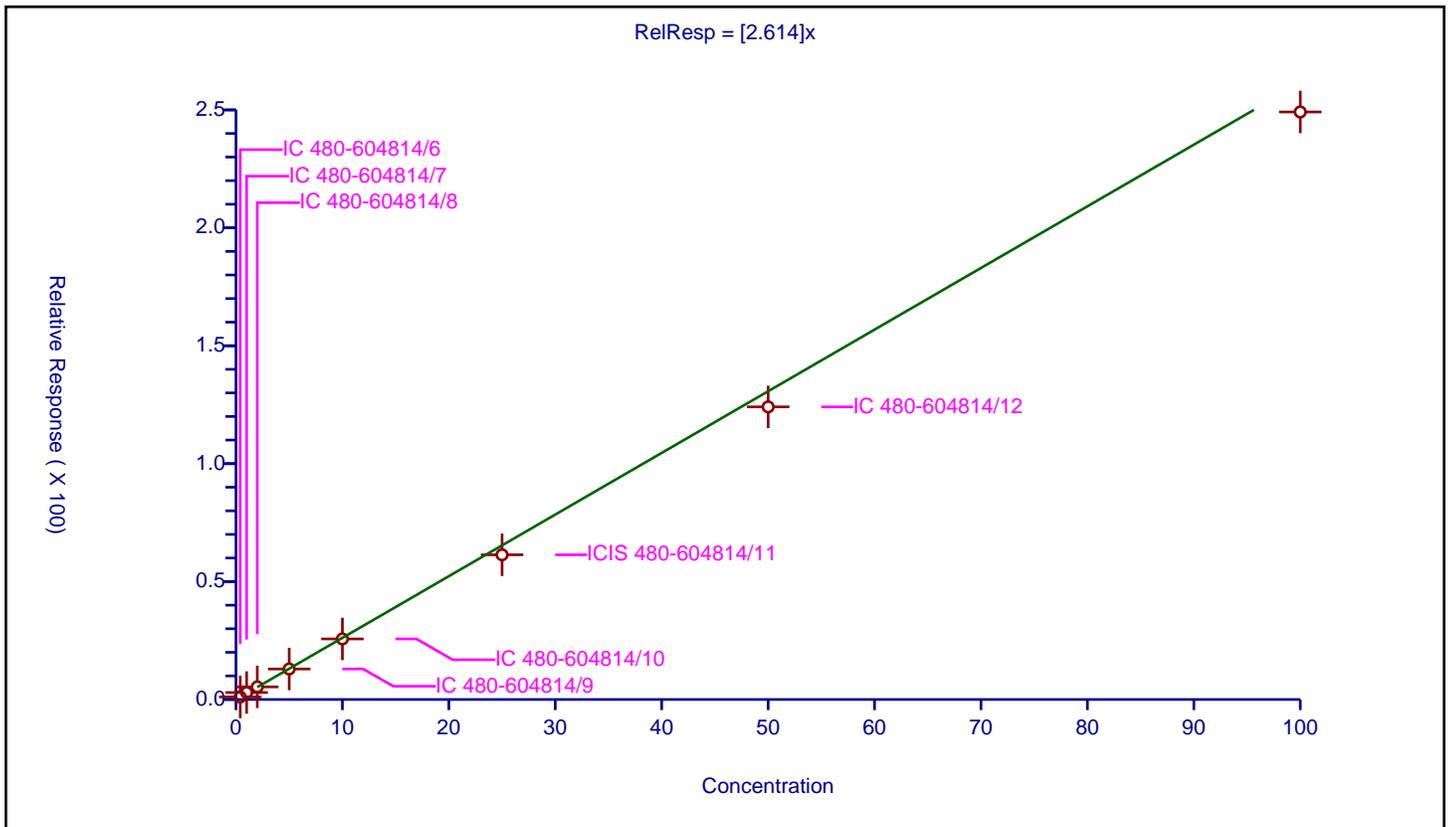
/ Chloroform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.614

Error Coefficients	
Standard Error:	919000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.081907	25.0	199347.0	2.704769	Y
2	IC 480-604814/7	1.0	2.952709	25.0	200333.0	2.952709	Y
3	IC 480-604814/8	2.0	5.345347	25.0	203013.0	2.672674	Y
4	IC 480-604814/9	5.0	12.929293	25.0	208890.0	2.585859	Y
5	IC 480-604814/10	10.0	25.685644	25.0	204625.0	2.568564	Y
6	ICIS 480-604814/11	25.0	61.353137	25.0	207152.0	2.454125	Y
7	IC 480-604814/12	50.0	124.065785	25.0	209775.0	2.481316	Y
8	IC 480-604814/13	100.0	249.126824	25.0	213044.0	2.491268	Y



Calibration

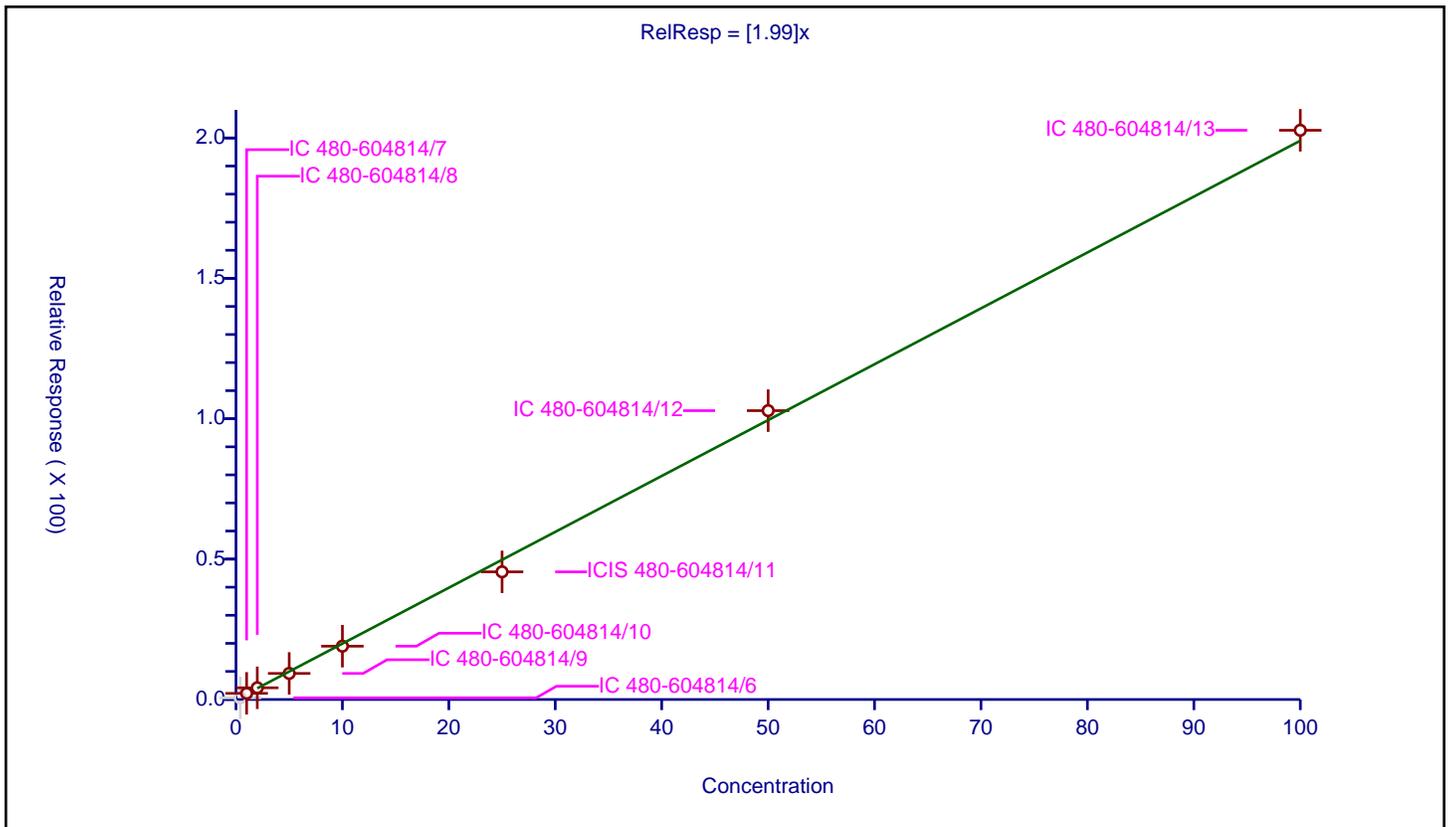
/ 1,1,1-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.99

Error Coefficients	
Standard Error:	807000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.591556	25.0	199347.0	1.478891	N
2	IC 480-604814/7	1.0	2.184737	25.0	200333.0	2.184737	Y
3	IC 480-604814/8	2.0	4.17227	25.0	203013.0	2.086135	Y
4	IC 480-604814/9	5.0	9.290177	25.0	208890.0	1.858035	Y
5	IC 480-604814/10	10.0	18.984606	25.0	204625.0	1.898461	Y
6	ICIS 480-604814/11	25.0	45.469993	25.0	207152.0	1.8188	Y
7	IC 480-604814/12	50.0	102.873674	25.0	209775.0	2.057473	Y
8	IC 480-604814/13	100.0	202.736289	25.0	213044.0	2.027363	Y



Calibration

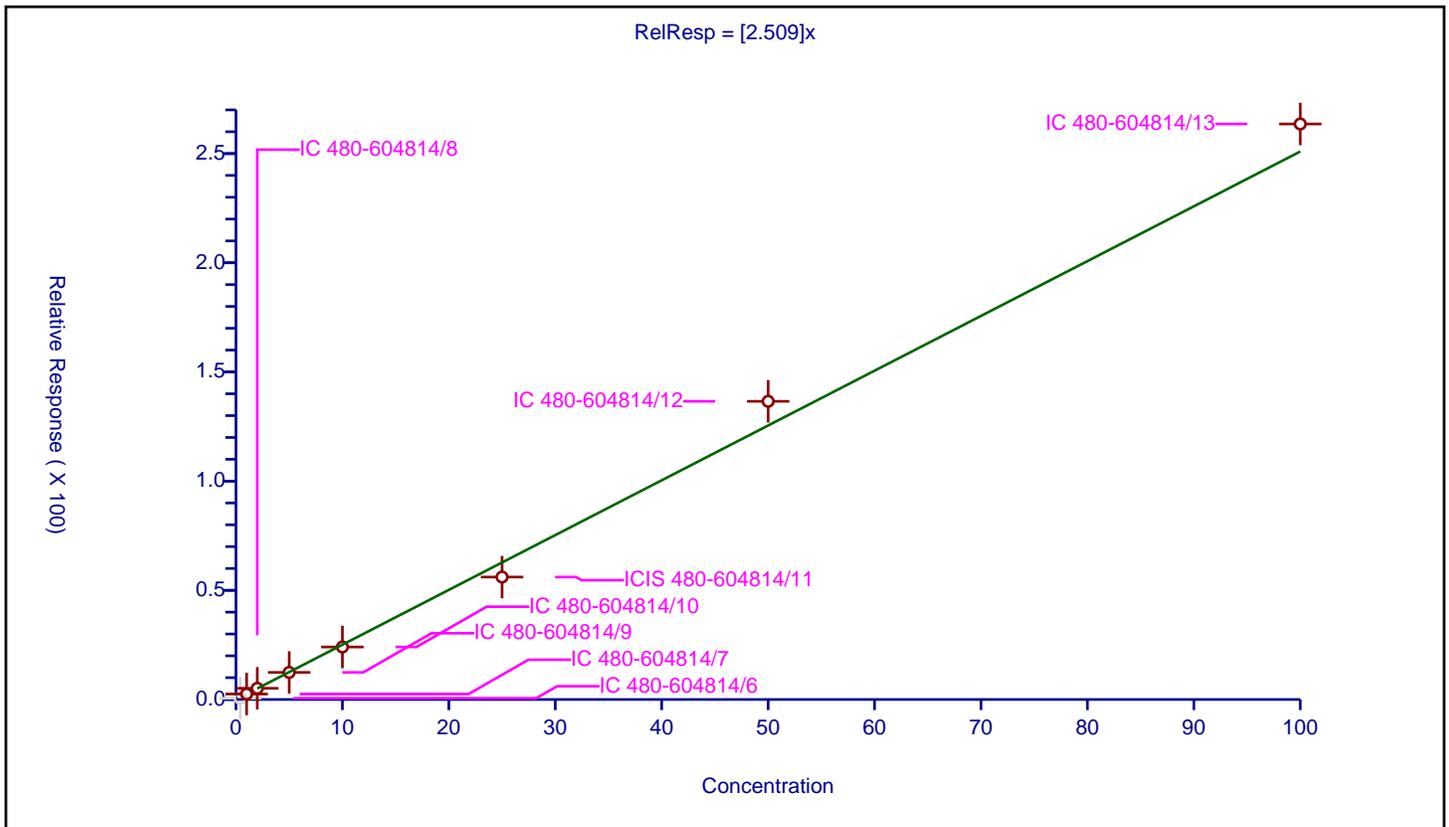
/ Cyclohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.509

Error Coefficients	
Standard Error:	1050000
Relative Standard Error:	6.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.579141	25.0	199347.0	1.447852	N
2	IC 480-604814/7	1.0	2.505703	25.0	200333.0	2.505703	Y
3	IC 480-604814/8	2.0	5.131814	25.0	203013.0	2.565907	Y
4	IC 480-604814/9	5.0	12.39887	25.0	208890.0	2.479774	Y
5	IC 480-604814/10	10.0	24.045082	25.0	204625.0	2.404508	Y
6	ICIS 480-604814/11	25.0	56.070542	25.0	207152.0	2.242822	Y
7	IC 480-604814/12	50.0	136.548445	25.0	209775.0	2.730969	Y
8	IC 480-604814/13	100.0	263.547554	25.0	213044.0	2.635476	Y



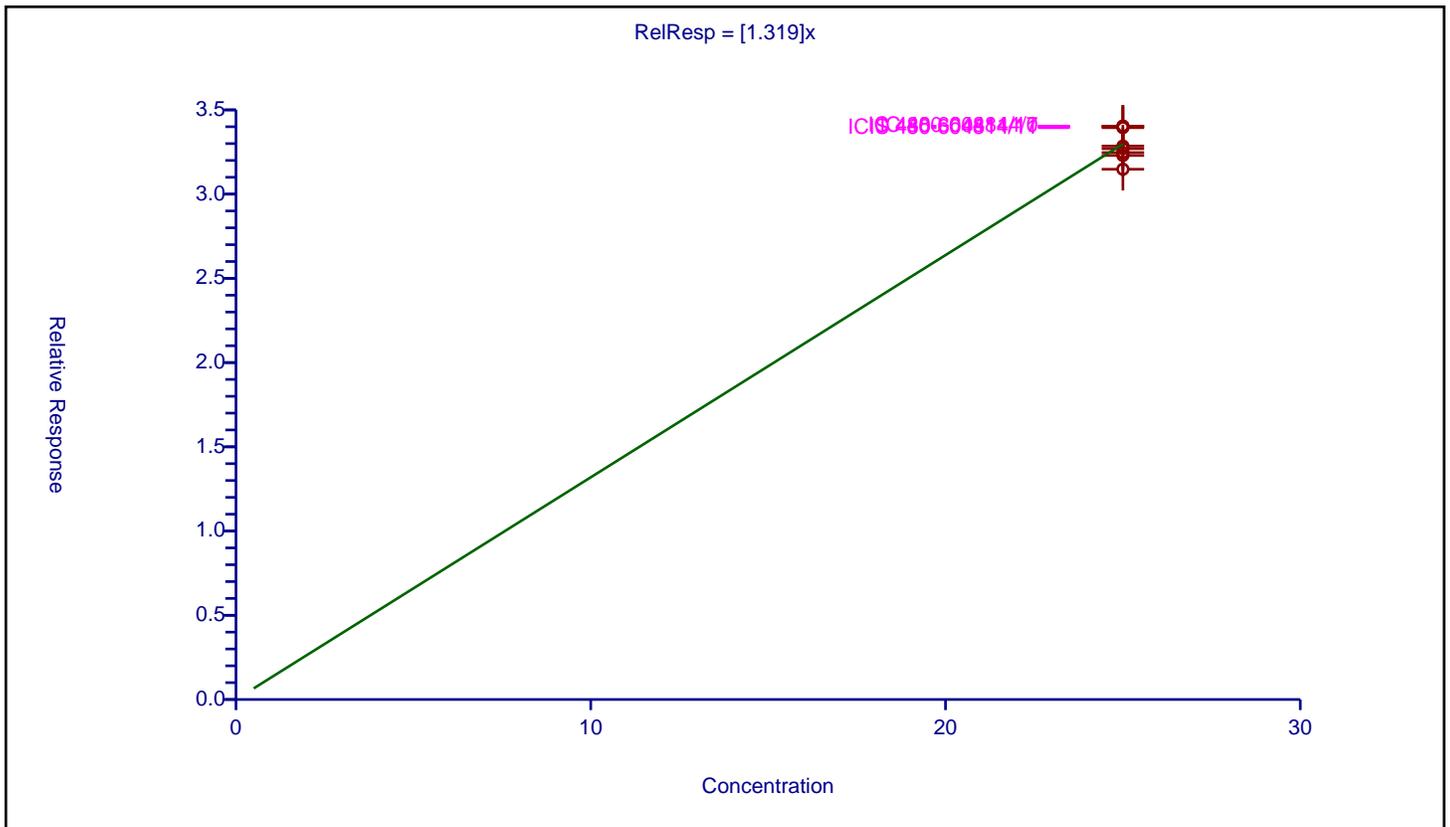
Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.319
Error Coefficients	
Standard Error:	290000
Relative Standard Error:	2.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0.0000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	25.0	32.293187	25.0	199347.0	1.291727	Y
2	IC 480-604814/7	25.0	34.028343	25.0	200333.0	1.361134	Y
3	IC 480-604814/8	25.0	32.855285	25.0	203013.0	1.314211	Y
4	IC 480-604814/9	25.0	31.477333	25.0	208890.0	1.259093	Y
5	IC 480-604814/10	25.0	34.03372	25.0	204625.0	1.361349	Y
6	ICIS 480-604814/11	25.0	33.944157	25.0	207152.0	1.357766	Y
7	IC 480-604814/12	25.0	32.697891	25.0	209775.0	1.307916	Y
8	IC 480-604814/13	25.0	32.46489	25.0	213044.0	1.298596	Y



Calibration

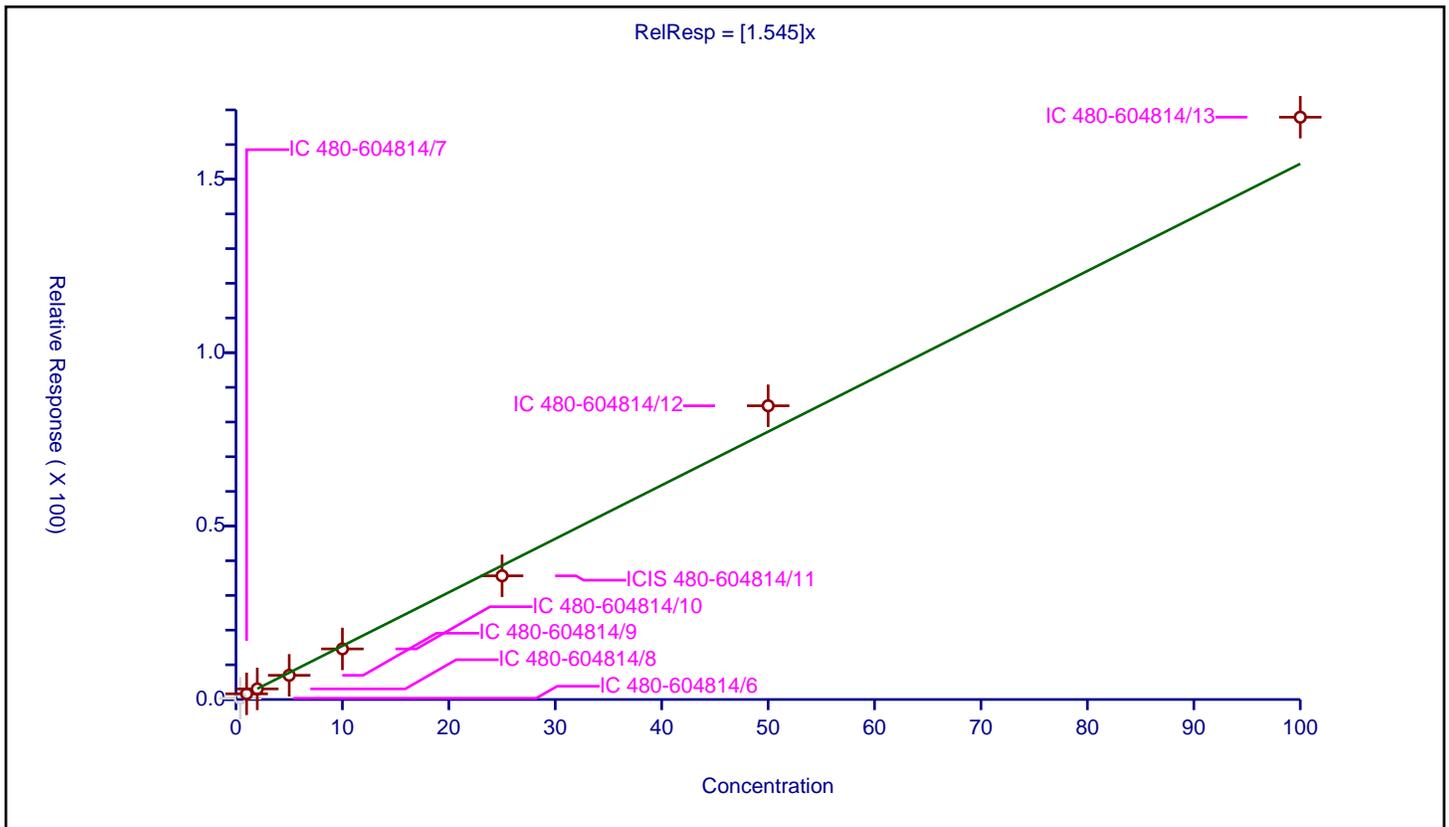
/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.545

Error Coefficients	
Standard Error:	666000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.359674	25.0	199347.0	0.899186	N
2	IC 480-604814/7	1.0	1.632781	25.0	200333.0	1.632781	Y
3	IC 480-604814/8	2.0	3.052637	25.0	203013.0	1.526319	Y
4	IC 480-604814/9	5.0	6.975681	25.0	208890.0	1.395136	Y
5	IC 480-604814/10	10.0	14.582896	25.0	204625.0	1.45829	Y
6	ICIS 480-604814/11	25.0	35.664029	25.0	207152.0	1.426561	Y
7	IC 480-604814/12	50.0	84.685258	25.0	209775.0	1.693705	Y
8	IC 480-604814/13	100.0	167.90088	25.0	213044.0	1.679009	Y



Calibration

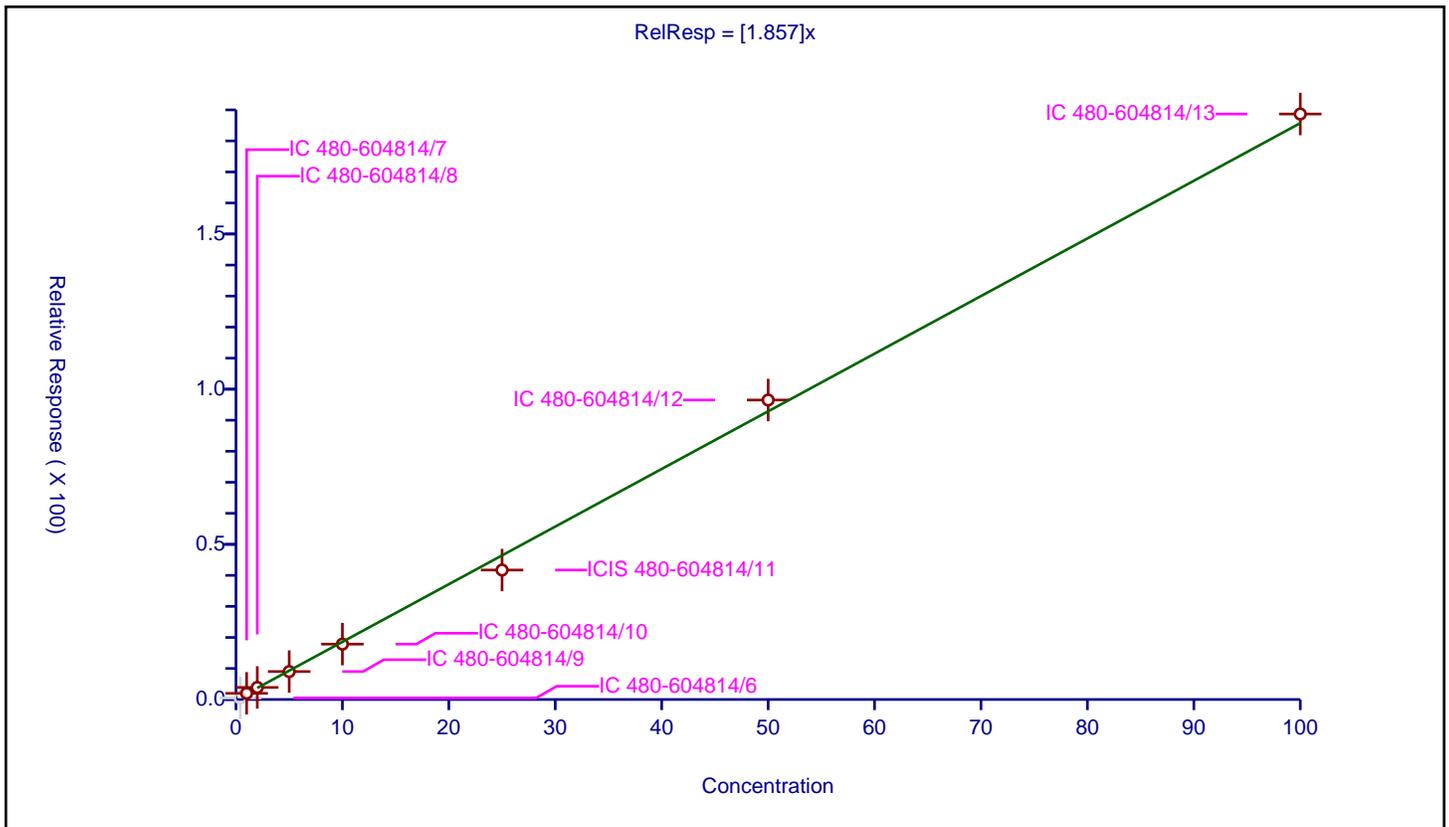
/ 1,1-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.857

Error Coefficients	
Standard Error:	751000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.493235	25.0	199347.0	1.233089	N
2	IC 480-604814/7	1.0	1.986567	25.0	200333.0	1.986567	Y
3	IC 480-604814/8	2.0	3.884973	25.0	203013.0	1.942486	Y
4	IC 480-604814/9	5.0	9.00809	25.0	208890.0	1.801618	Y
5	IC 480-604814/10	10.0	17.843494	25.0	204625.0	1.784349	Y
6	ICIS 480-604814/11	25.0	41.717072	25.0	207152.0	1.668683	Y
7	IC 480-604814/12	50.0	96.51007	25.0	209775.0	1.930201	Y
8	IC 480-604814/13	100.0	188.674757	25.0	213044.0	1.886748	Y



Calibration

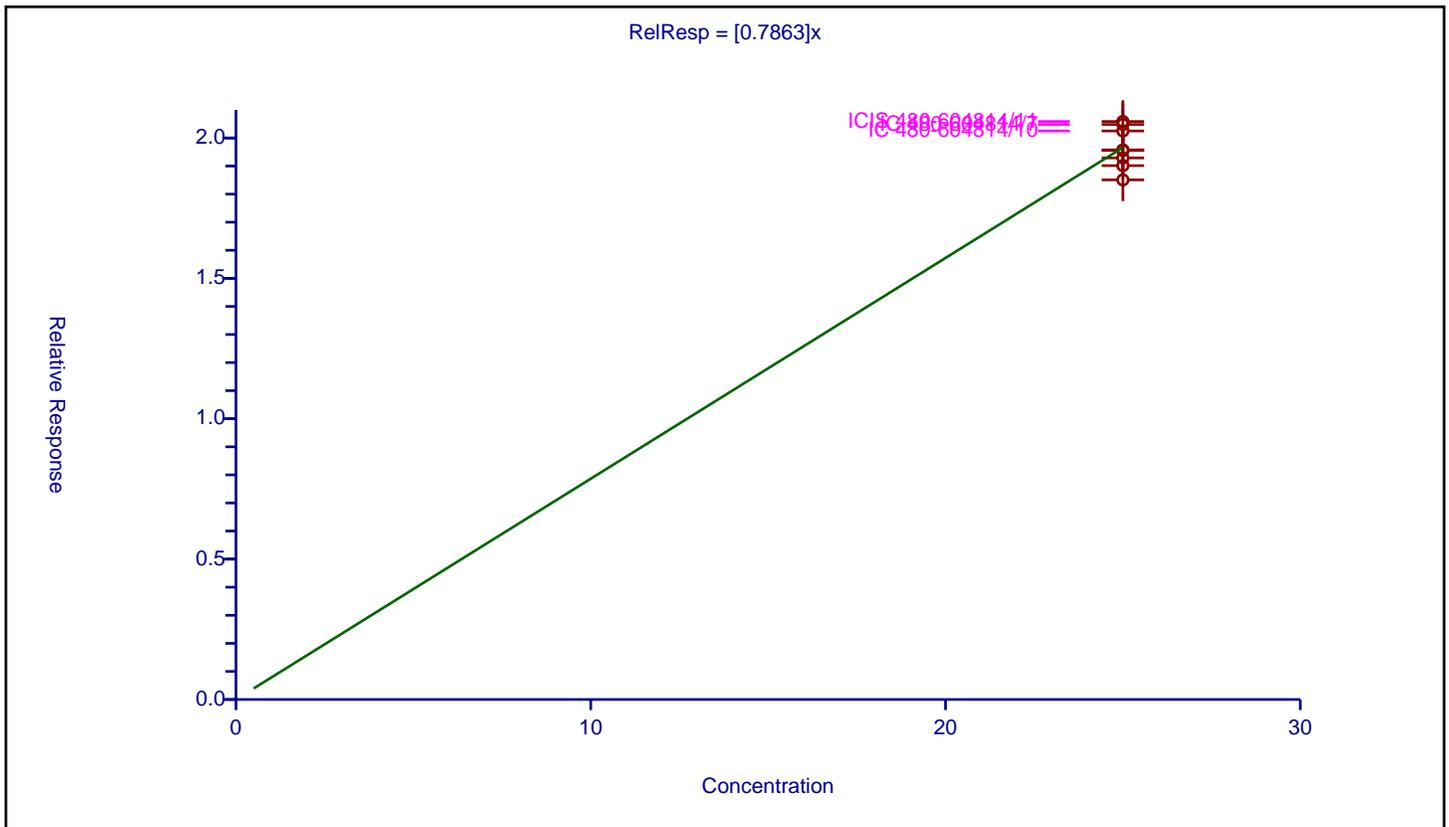
/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7863

Error Coefficients	
Standard Error:	173000
Relative Standard Error:	3.7
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	25.0	19.55422	25.0	199347.0	0.782169	Y
2	IC 480-604814/7	25.0	20.481274	25.0	200333.0	0.819251	Y
3	IC 480-604814/8	25.0	19.57584	25.0	203013.0	0.783034	Y
4	IC 480-604814/9	25.0	19.290057	25.0	208890.0	0.771602	Y
5	IC 480-604814/10	25.0	20.249725	25.0	204625.0	0.809989	Y
6	ICIS 480-604814/11	25.0	20.58754	25.0	207152.0	0.823502	Y
7	IC 480-604814/12	25.0	18.507448	25.0	209775.0	0.740298	Y
8	IC 480-604814/13	25.0	19.014969	25.0	213044.0	0.760599	Y



Calibration

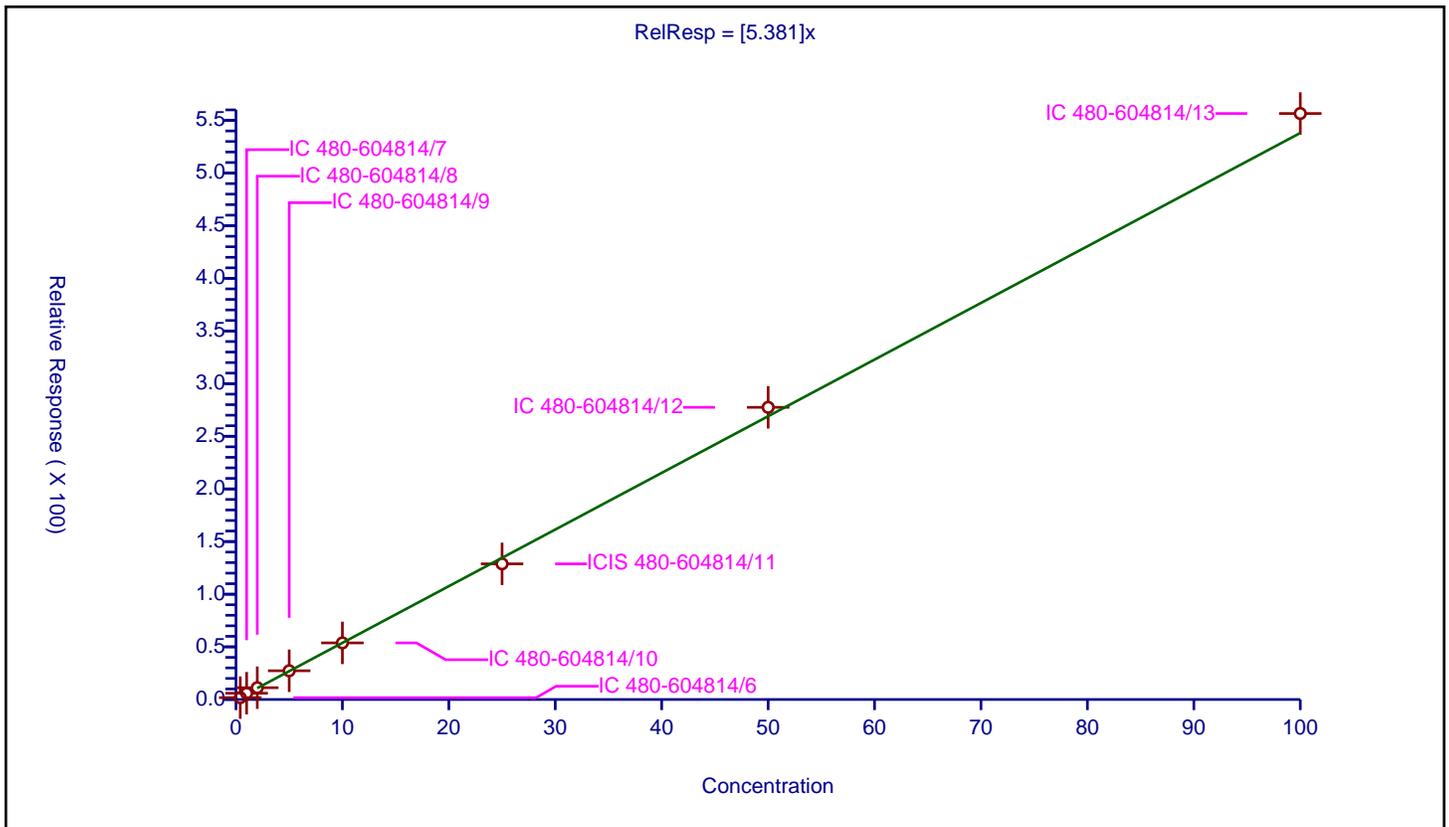
/ Benzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.381

Error Coefficients	
Standard Error:	2050000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.752973	25.0	199347.0	4.382434	Y
2	IC 480-604814/7	1.0	5.956582	25.0	200333.0	5.956582	Y
3	IC 480-604814/8	2.0	11.204209	25.0	203013.0	5.602104	Y
4	IC 480-604814/9	5.0	27.293671	25.0	208890.0	5.458734	Y
5	IC 480-604814/10	10.0	53.763225	25.0	204625.0	5.376323	Y
6	ICIS 480-604814/11	25.0	128.829796	25.0	207152.0	5.153192	Y
7	IC 480-604814/12	50.0	277.494101	25.0	209775.0	5.549882	Y
8	IC 480-604814/13	100.0	556.579392	25.0	213044.0	5.565794	Y



Calibration

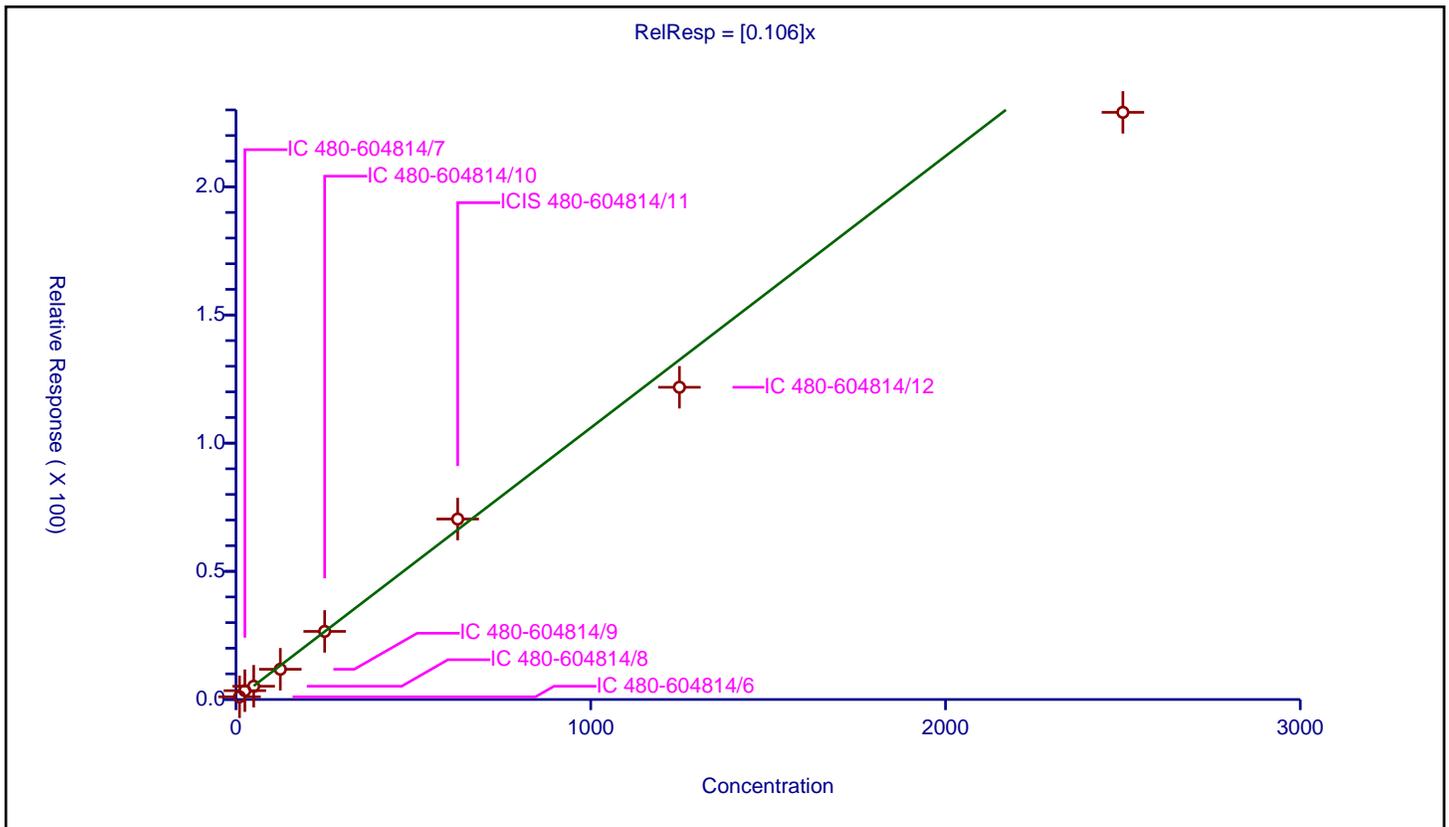
/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.106

Error Coefficients	
Standard Error:	866000
Relative Standard Error:	13.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	10.0	1.041275	25.0	199347.0	0.104127	Y
2	IC 480-604814/7	25.0	3.44726	25.0	200333.0	0.13789	Y
3	IC 480-604814/8	50.0	5.178363	25.0	203013.0	0.103567	Y
4	IC 480-604814/9	125.0	11.791613	25.0	208890.0	0.094333	Y
5	IC 480-604814/10	250.0	26.567257	25.0	204625.0	0.106269	Y
6	ICIS 480-604814/11	625.0	70.390703	25.0	207152.0	0.112625	Y
7	IC 480-604814/12	1250.0	121.801096	25.0	209775.0	0.097441	Y
8	IC 480-604814/13	2500.0	229.052332	25.0	213044.0	0.091621	Y



Calibration

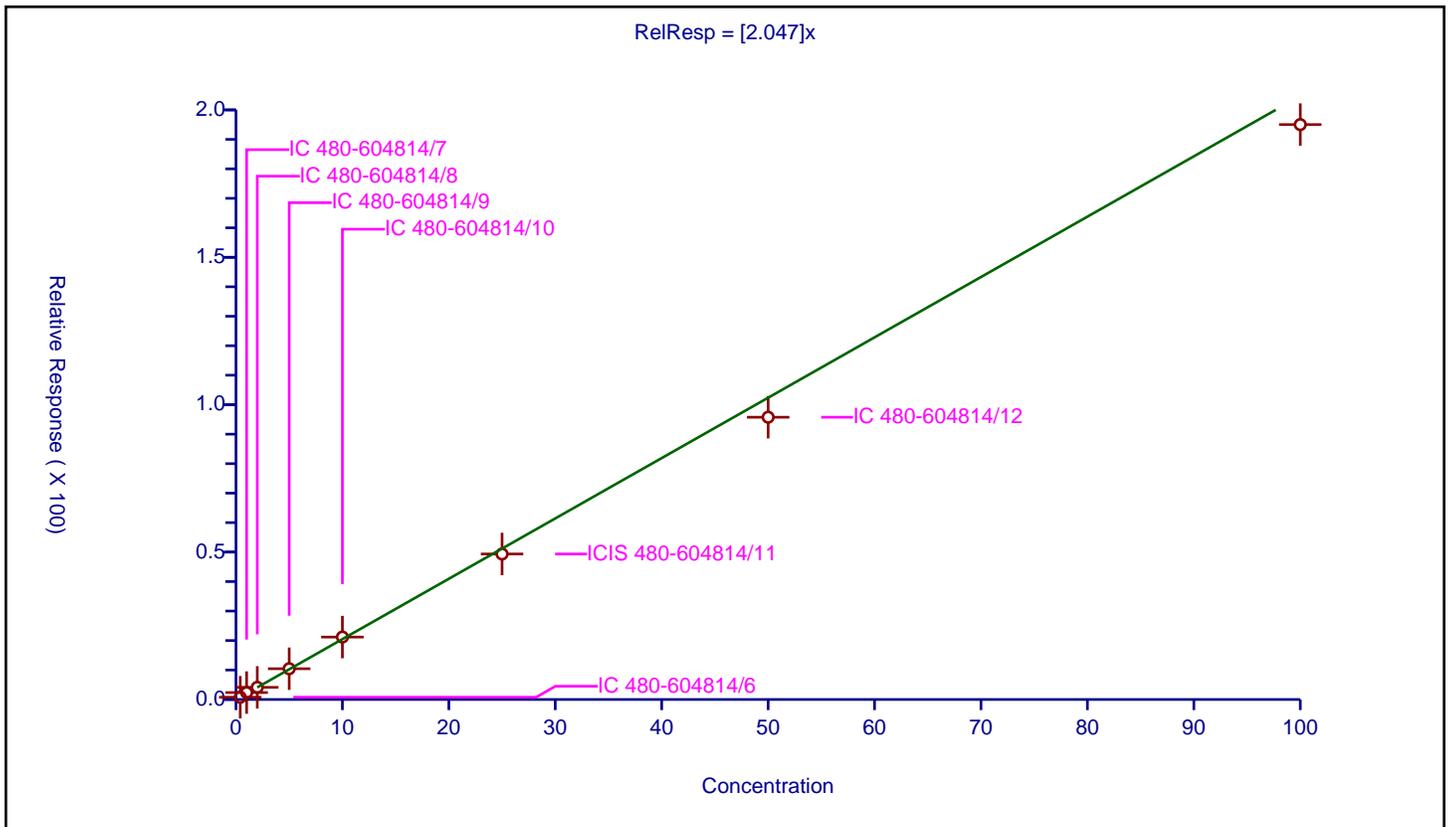
/ 1,2-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.047

Error Coefficients	
Standard Error:	718000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.766753	25.0	199347.0	1.916884	Y
2	IC 480-604814/7	1.0	2.352833	25.0	200333.0	2.352833	Y
3	IC 480-604814/8	2.0	4.128184	25.0	203013.0	2.064092	Y
4	IC 480-604814/9	5.0	10.435636	25.0	208890.0	2.087127	Y
5	IC 480-604814/10	10.0	21.175932	25.0	204625.0	2.117593	Y
6	ICIS 480-604814/11	25.0	49.354701	25.0	207152.0	1.974188	Y
7	IC 480-604814/12	50.0	95.751519	25.0	209775.0	1.91503	Y
8	IC 480-604814/13	100.0	195.021216	25.0	213044.0	1.950212	Y



Calibration

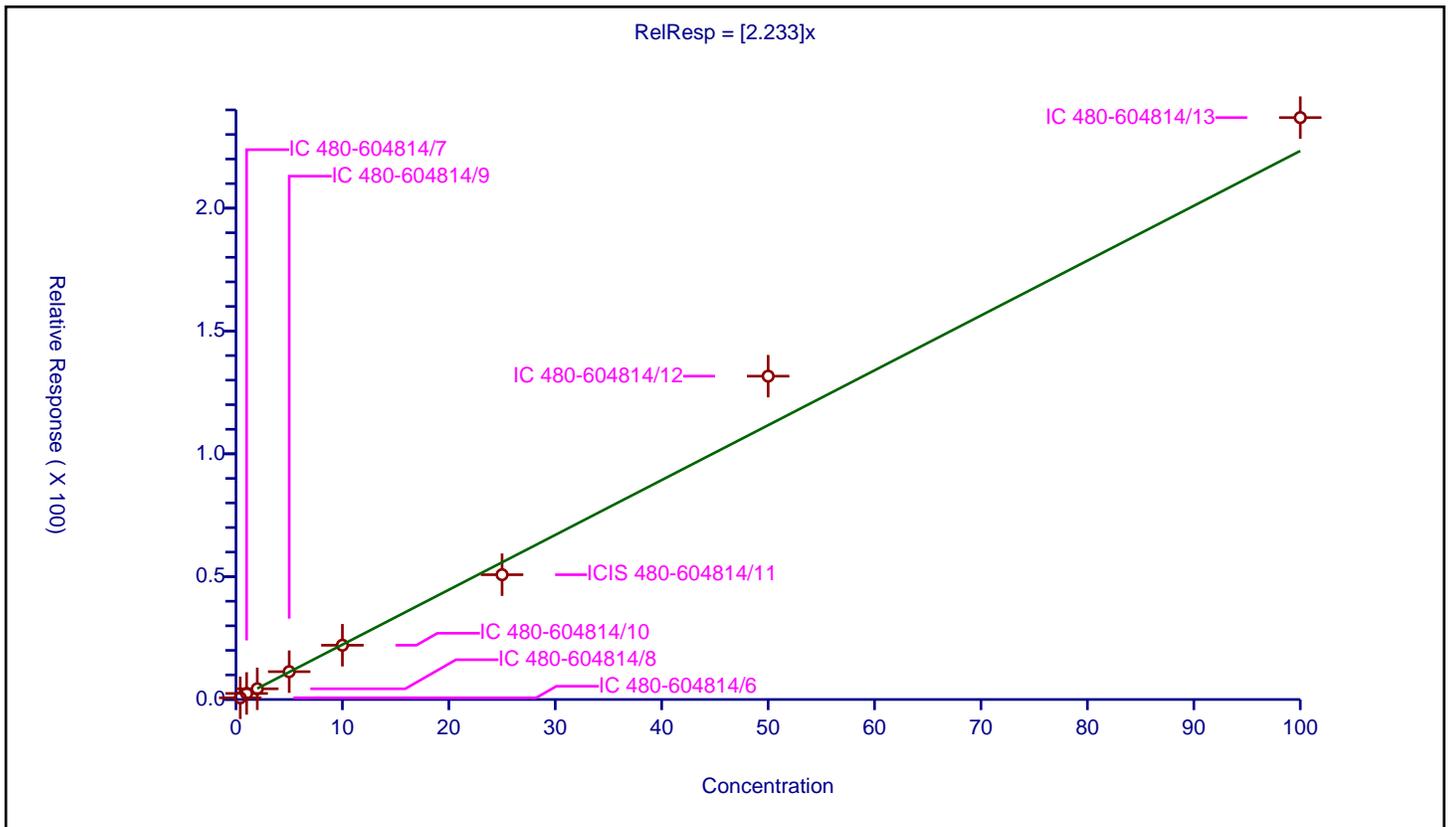
/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.233

Error Coefficients	
Standard Error:	887000
Relative Standard Error:	12.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.685363	25.0	199347.0	1.713407	Y
2	IC 480-604814/7	1.0	2.46265	25.0	200333.0	2.46265	Y
3	IC 480-604814/8	2.0	4.359819	25.0	203013.0	2.17991	Y
4	IC 480-604814/9	5.0	11.330365	25.0	208890.0	2.266073	Y
5	IC 480-604814/10	10.0	22.08931	25.0	204625.0	2.208931	Y
6	ICIS 480-604814/11	25.0	50.800378	25.0	207152.0	2.032015	Y
7	IC 480-604814/12	50.0	131.61411	25.0	209775.0	2.632282	Y
8	IC 480-604814/13	100.0	236.858583	25.0	213044.0	2.368586	Y



Calibration

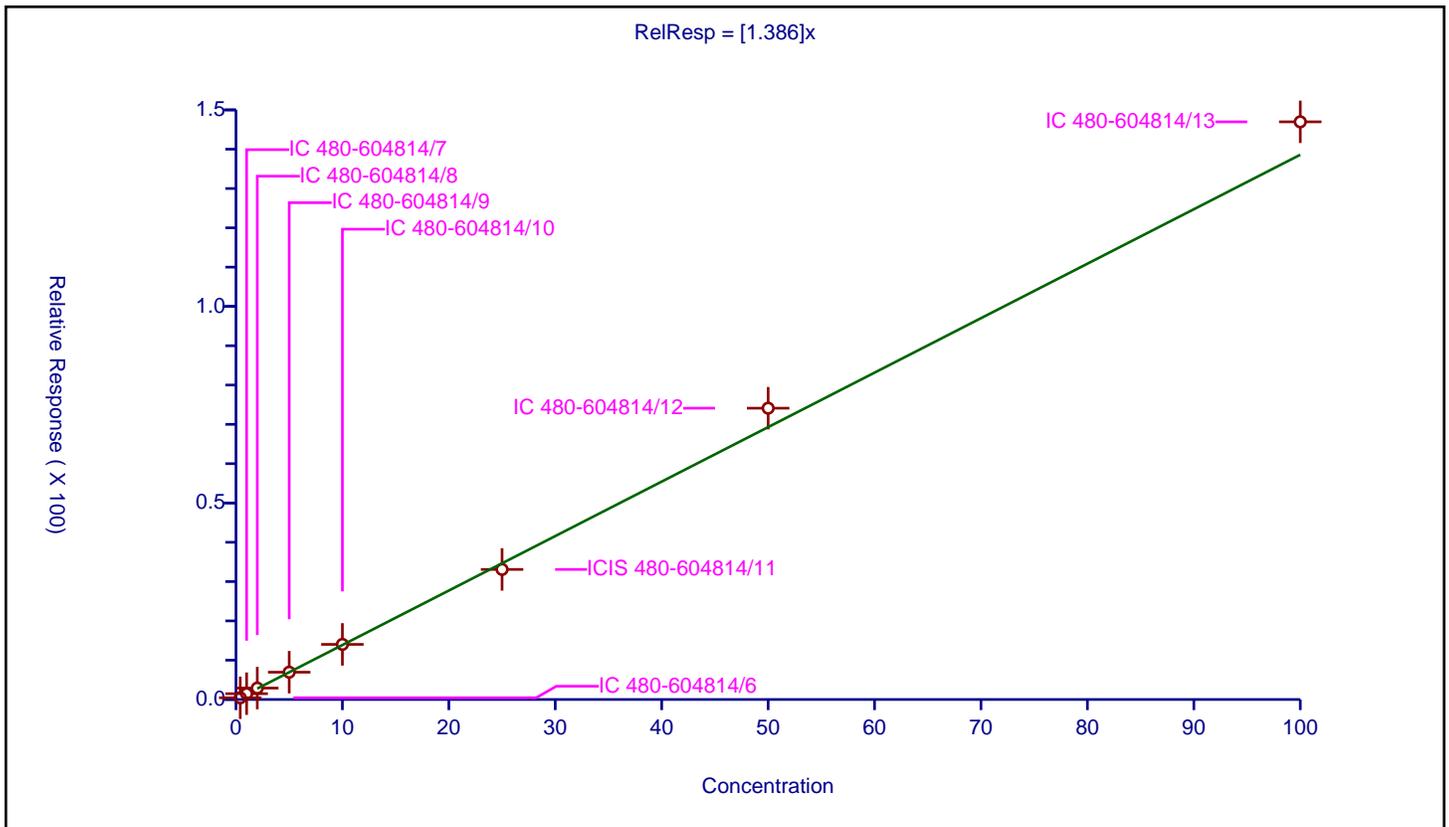
/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.386

Error Coefficients	
Standard Error:	541000
Relative Standard Error:	9.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.435798	25.0	199347.0	1.089495	Y
2	IC 480-604814/7	1.0	1.478663	25.0	200333.0	1.478663	Y
3	IC 480-604814/8	2.0	2.903262	25.0	203013.0	1.451631	Y
4	IC 480-604814/9	5.0	6.946359	25.0	208890.0	1.389272	Y
5	IC 480-604814/10	10.0	14.023335	25.0	204625.0	1.402334	Y
6	ICIS 480-604814/11	25.0	33.090798	25.0	207152.0	1.323632	Y
7	IC 480-604814/12	50.0	74.109045	25.0	209775.0	1.482181	Y
8	IC 480-604814/13	100.0	146.964007	25.0	213044.0	1.46964	Y



Calibration

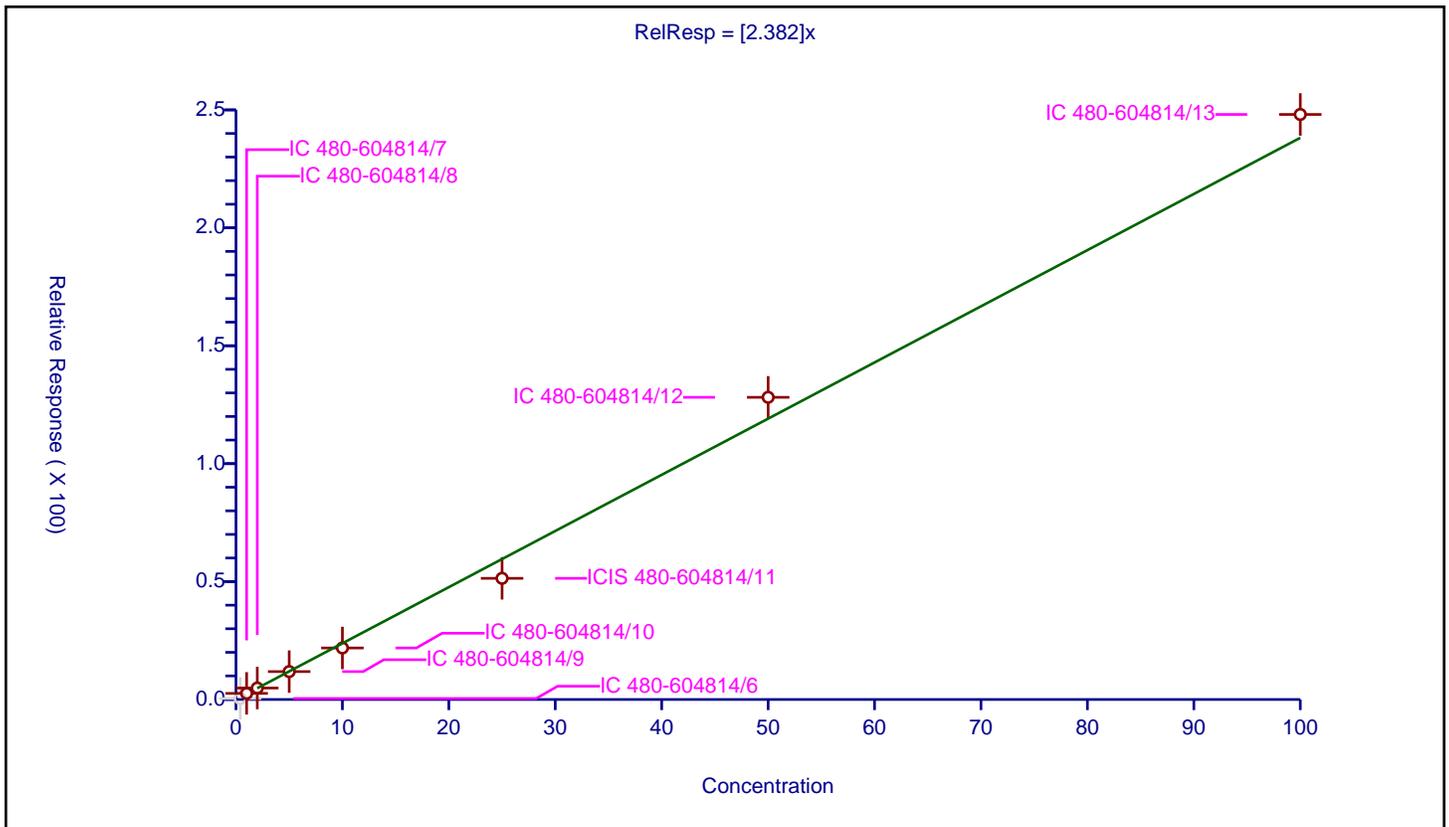
/ Methylcyclohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.382

Error Coefficients	
Standard Error:	987000
Relative Standard Error:	8.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.436801	25.0	199347.0	1.092003	N
2	IC 480-604814/7	1.0	2.589563	25.0	200333.0	2.589563	Y
3	IC 480-604814/8	2.0	4.862743	25.0	203013.0	2.431371	Y
4	IC 480-604814/9	5.0	11.837929	25.0	208890.0	2.367586	Y
5	IC 480-604814/10	10.0	21.849114	25.0	204625.0	2.184911	Y
6	ICIS 480-604814/11	25.0	51.374112	25.0	207152.0	2.054964	Y
7	IC 480-604814/12	50.0	128.127875	25.0	209775.0	2.562558	Y
8	IC 480-604814/13	100.0	248.068239	25.0	213044.0	2.480682	Y



Calibration

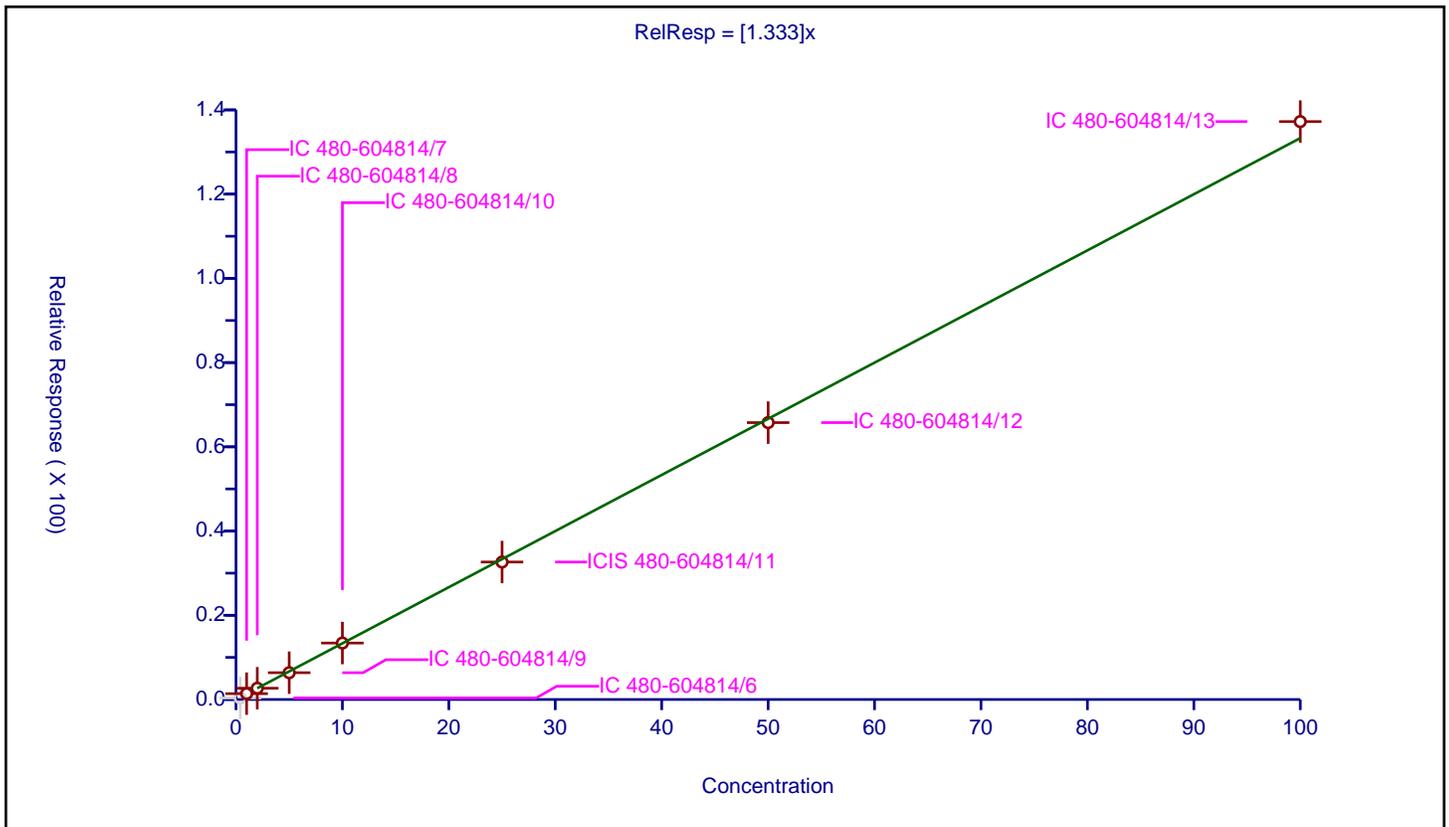
/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.333

Error Coefficients	
Standard Error:	542000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.362433	25.0	199347.0	0.906083	N
2	IC 480-604814/7	1.0	1.385443	25.0	200333.0	1.385443	Y
3	IC 480-604814/8	2.0	2.680124	25.0	203013.0	1.340062	Y
4	IC 480-604814/9	5.0	6.360405	25.0	208890.0	1.272081	Y
5	IC 480-604814/10	10.0	13.406475	25.0	204625.0	1.340648	Y
6	ICIS 480-604814/11	25.0	32.641008	25.0	207152.0	1.30564	Y
7	IC 480-604814/12	50.0	65.747825	25.0	209775.0	1.314957	Y
8	IC 480-604814/13	100.0	137.220715	25.0	213044.0	1.372207	Y



Calibration

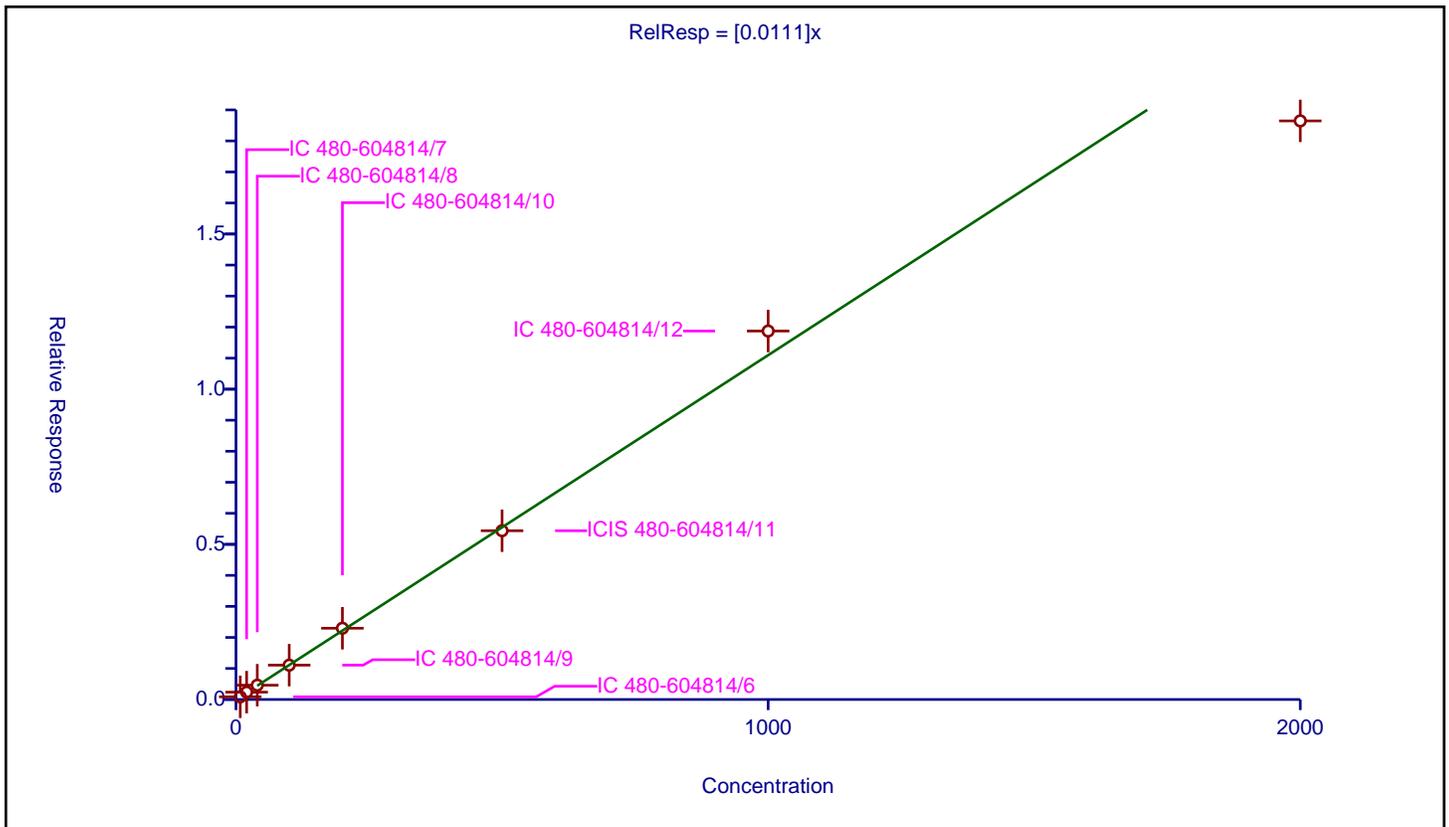
/ 1,4-Dioxane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.0111

Error Coefficients	
Standard Error:	136000
Relative Standard Error:	7.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	8.0	0.086008	25.0	345316.0	0.010751	Y
2	IC 480-604814/7	20.0	0.237303	25.0	357665.0	0.011865	Y
3	IC 480-604814/8	40.0	0.461127	25.0	355325.0	0.011528	Y
4	IC 480-604814/9	100.0	1.106539	25.0	366616.0	0.011065	Y
5	IC 480-604814/10	200.0	2.296403	25.0	366704.0	0.011482	Y
6	ICIS 480-604814/11	500.0	5.437946	25.0	375183.0	0.010876	Y
7	IC 480-604814/12	1000.0	11.874008	25.0	374326.0	0.011874	Y
8	IC 480-604814/13	2000.0	18.645623	25.0	403045.0	0.009323	Y



Calibration

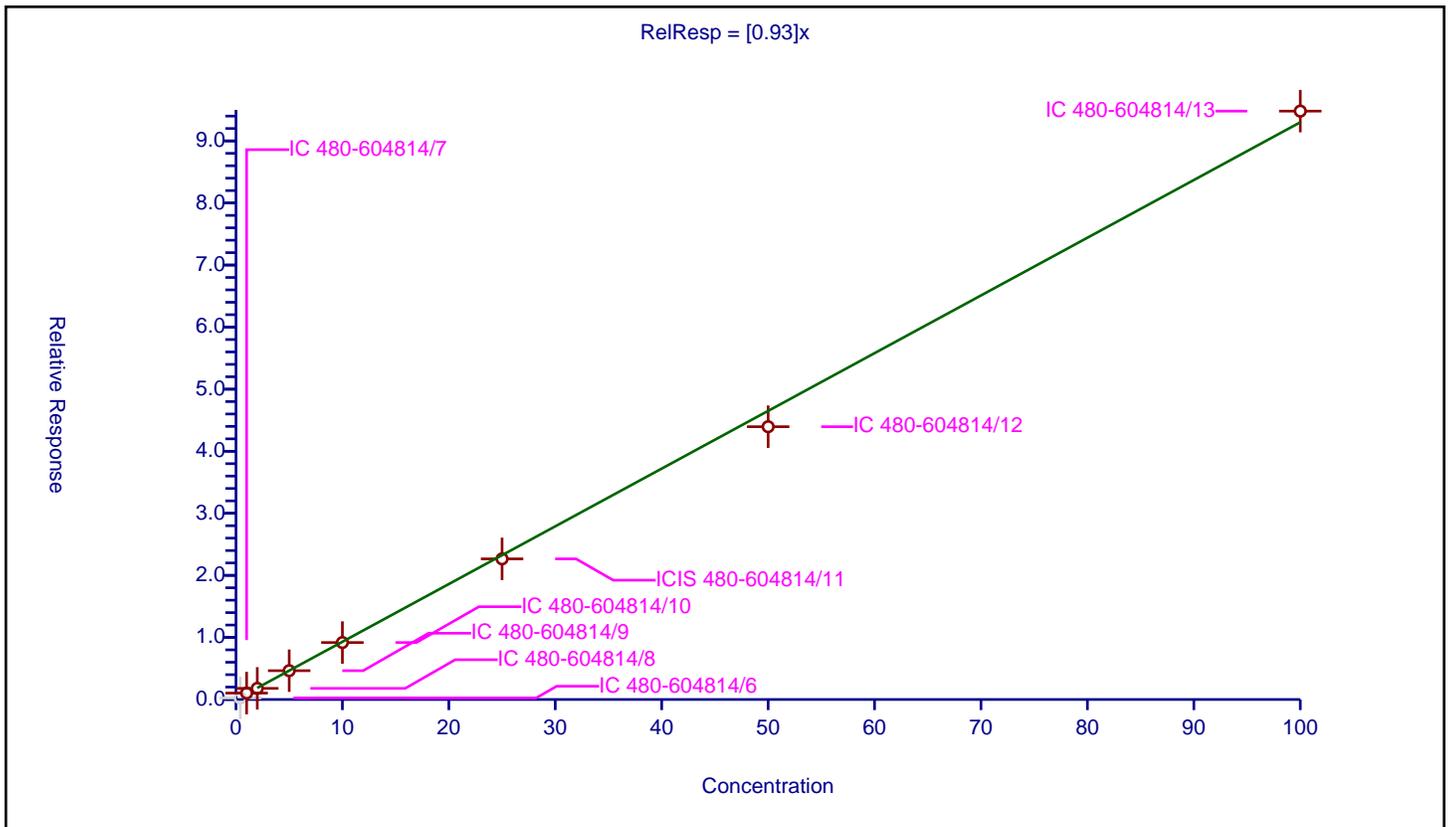
/ Dibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.93

Error Coefficients	
Standard Error:	372000
Relative Standard Error:	5.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.24643	25.0	199347.0	0.616074	N
2	IC 480-604814/7	1.0	1.033529	25.0	200333.0	1.033529	Y
3	IC 480-604814/8	2.0	1.794343	25.0	203013.0	0.897172	Y
4	IC 480-604814/9	5.0	4.6406	25.0	208890.0	0.92812	Y
5	IC 480-604814/10	10.0	9.177276	25.0	204625.0	0.917728	Y
6	ICIS 480-604814/11	25.0	22.65981	25.0	207152.0	0.906392	Y
7	IC 480-604814/12	50.0	43.956859	25.0	209775.0	0.879137	Y
8	IC 480-604814/13	100.0	94.805064	25.0	213044.0	0.948051	Y



Calibration

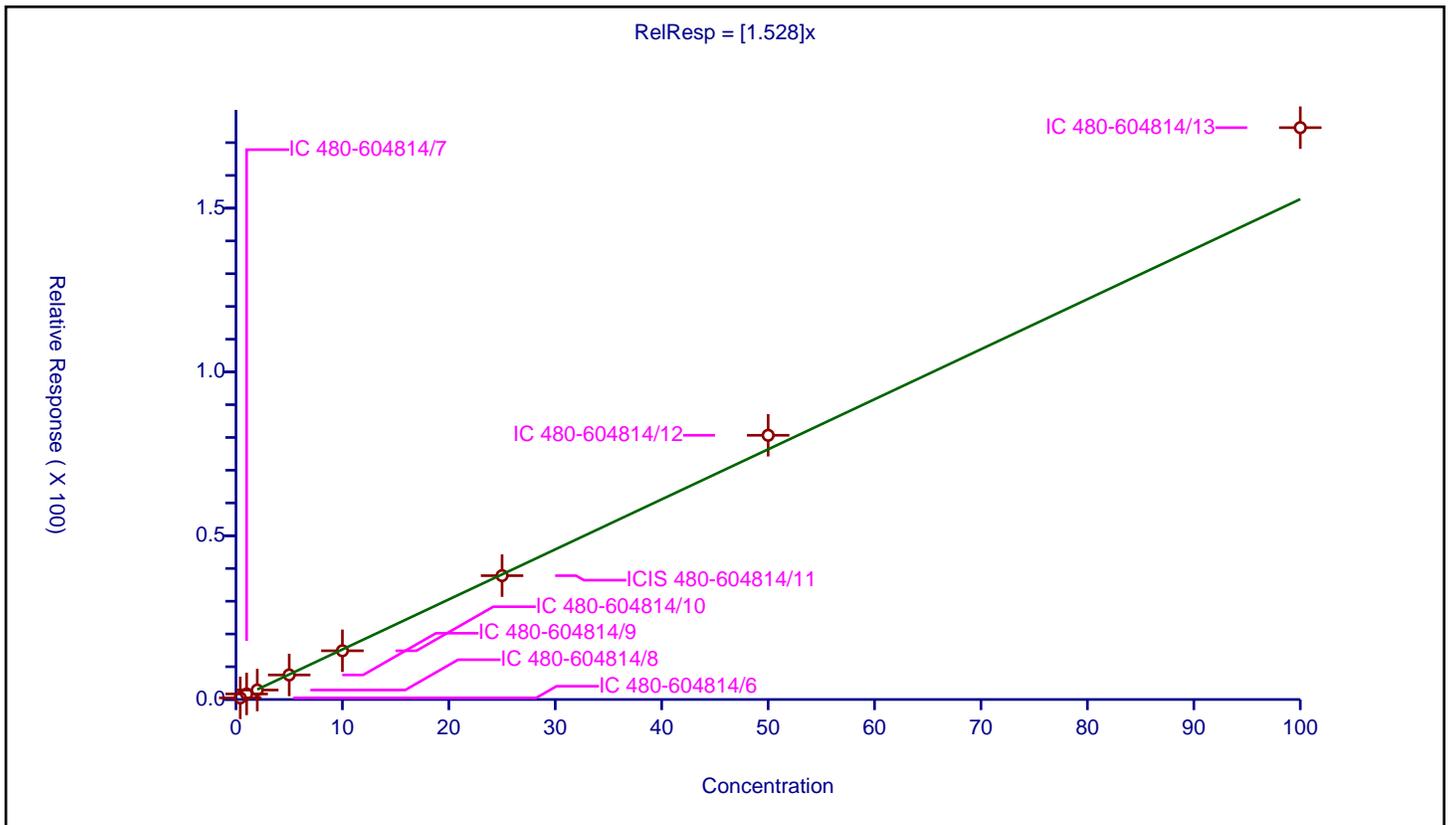
/ Dichlorobromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.528

Error Coefficients	
Standard Error:	631000
Relative Standard Error:	10.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.490226	25.0	199347.0	1.225564	Y
2	IC 480-604814/7	1.0	1.691808	25.0	200333.0	1.691808	Y
3	IC 480-604814/8	2.0	2.890702	25.0	203013.0	1.445351	Y
4	IC 480-604814/9	5.0	7.494734	25.0	208890.0	1.498947	Y
5	IC 480-604814/10	10.0	14.870617	25.0	204625.0	1.487062	Y
6	ICIS 480-604814/11	25.0	37.809193	25.0	207152.0	1.512368	Y
7	IC 480-604814/12	50.0	80.658682	25.0	209775.0	1.613174	Y
8	IC 480-604814/13	100.0	174.579782	25.0	213044.0	1.745798	Y



Calibration

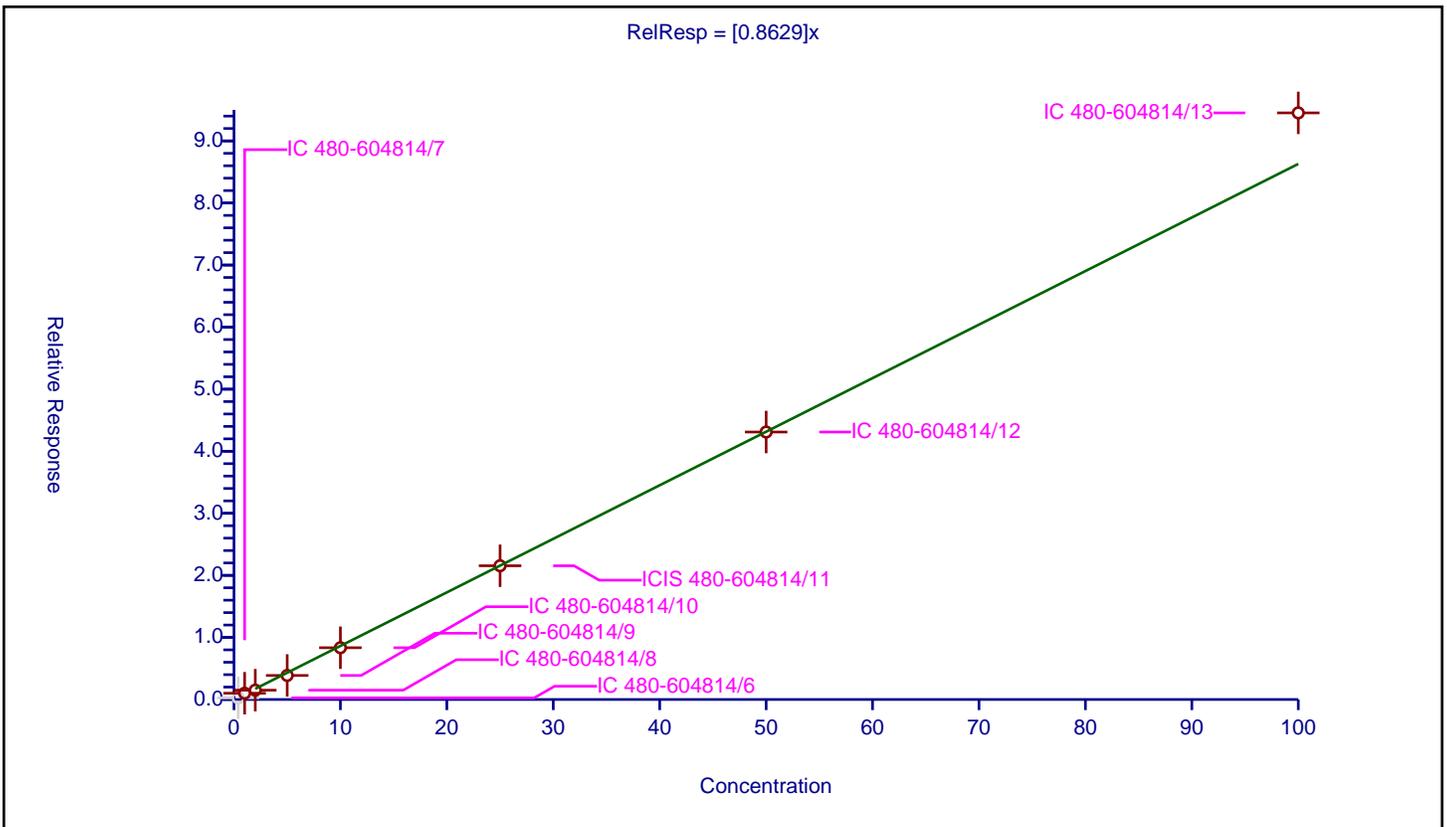
/ 2-Chloroethyl vinyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8629

Error Coefficients	
Standard Error:	369000
Relative Standard Error:	10.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.257591	25.0	199347.0	0.643978	N
2	IC 480-604814/7	1.0	1.010443	25.0	200333.0	1.010443	Y
3	IC 480-604814/8	2.0	1.503721	25.0	203013.0	0.751861	Y
4	IC 480-604814/9	5.0	3.874647	25.0	208890.0	0.774929	Y
5	IC 480-604814/10	10.0	8.342334	25.0	204625.0	0.834233	Y
6	ICIS 480-604814/11	25.0	21.54698	25.0	207152.0	0.861879	Y
7	IC 480-604814/12	50.0	43.097843	25.0	209775.0	0.861957	Y
8	IC 480-604814/13	100.0	94.518034	25.0	213044.0	0.94518	Y



Calibration

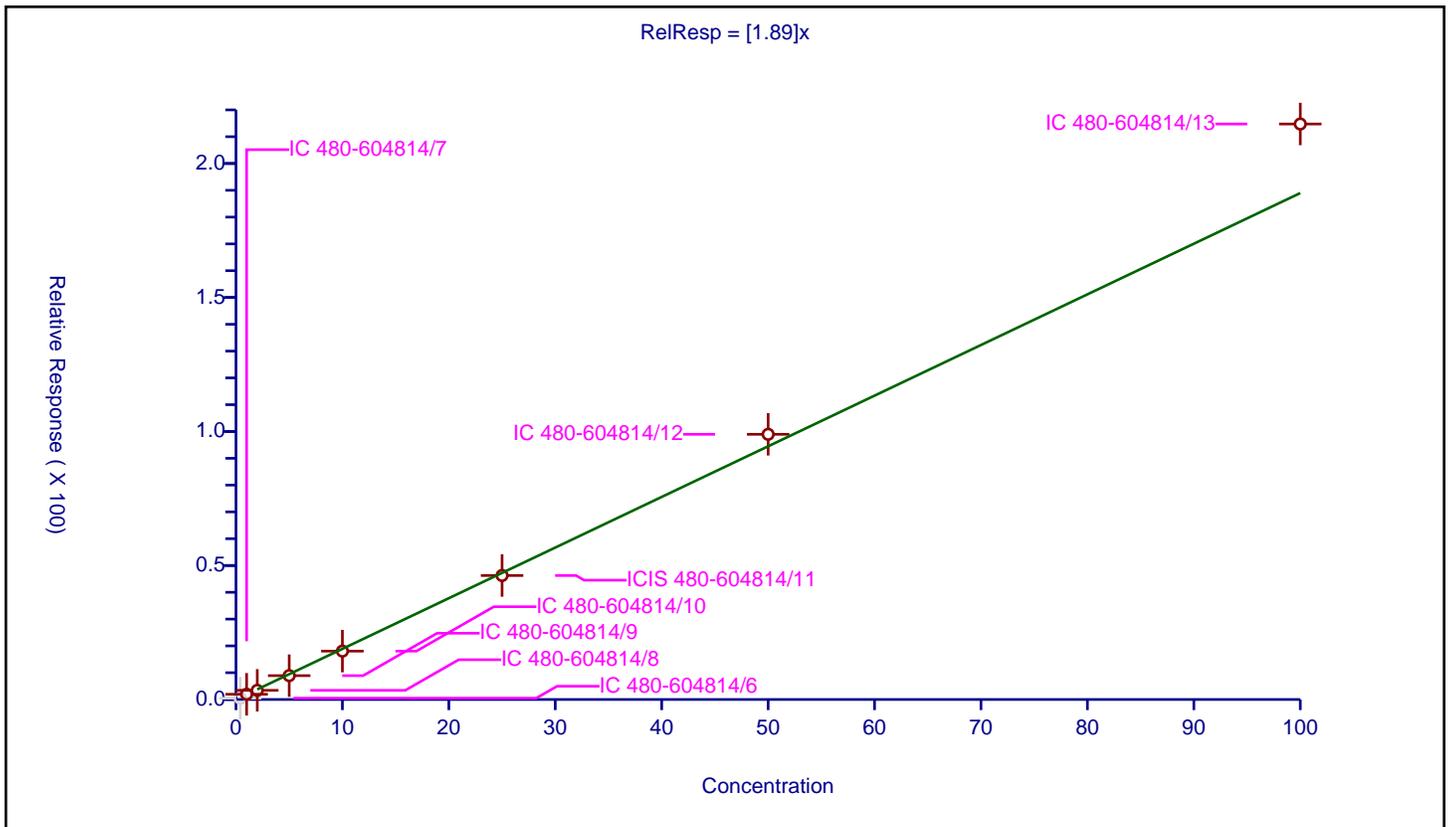
/ cis-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.89

Error Coefficients	
Standard Error:	838000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.491103	25.0	199347.0	1.227759	N
2	IC 480-604814/7	1.0	1.95774	25.0	200333.0	1.95774	Y
3	IC 480-604814/8	2.0	3.413944	25.0	203013.0	1.706972	Y
4	IC 480-604814/9	5.0	8.902293	25.0	208890.0	1.780459	Y
5	IC 480-604814/10	10.0	18.054856	25.0	204625.0	1.805486	Y
6	ICIS 480-604814/11	25.0	46.254683	25.0	207152.0	1.850187	Y
7	IC 480-604814/12	50.0	98.955071	25.0	209775.0	1.979101	Y
8	IC 480-604814/13	100.0	214.732403	25.0	213044.0	2.147324	Y



Calibration

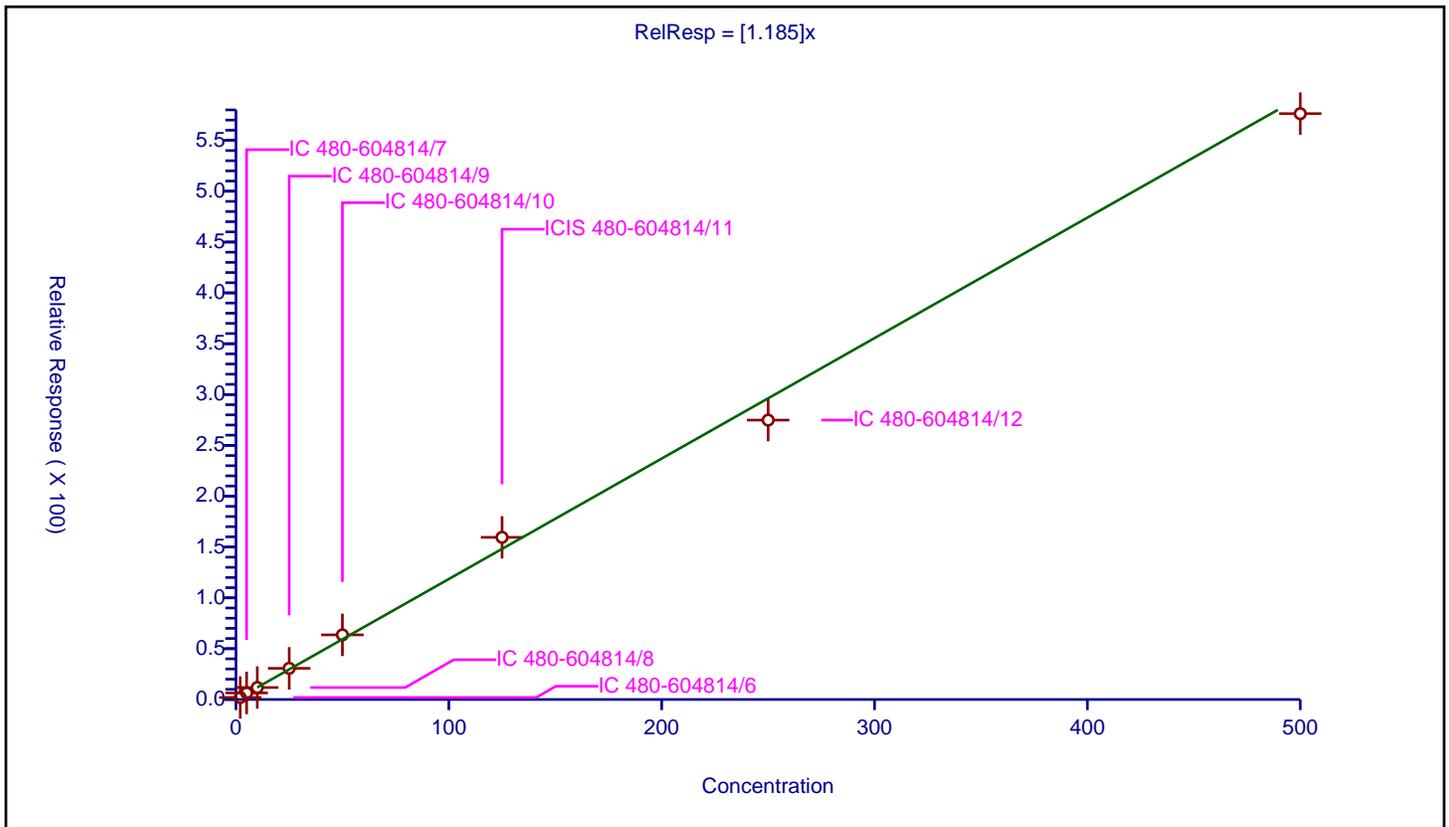
/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.185

Error Coefficients	
Standard Error:	3970000
Relative Standard Error:	8.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	2.0	1.974713	25.0	345316.0	0.987357	Y
2	IC 480-604814/7	5.0	6.447374	25.0	357665.0	1.289475	Y
3	IC 480-604814/8	10.0	11.777317	25.0	355325.0	1.177732	Y
4	IC 480-604814/9	25.0	30.656463	25.0	366616.0	1.226259	Y
5	IC 480-604814/10	50.0	63.575186	25.0	366704.0	1.271504	Y
6	ICIS 480-604814/11	125.0	159.517422	25.0	375183.0	1.276139	Y
7	IC 480-604814/12	250.0	274.839311	25.0	374326.0	1.099357	Y
8	IC 480-604814/13	500.0	576.308973	25.0	403045.0	1.152618	Y



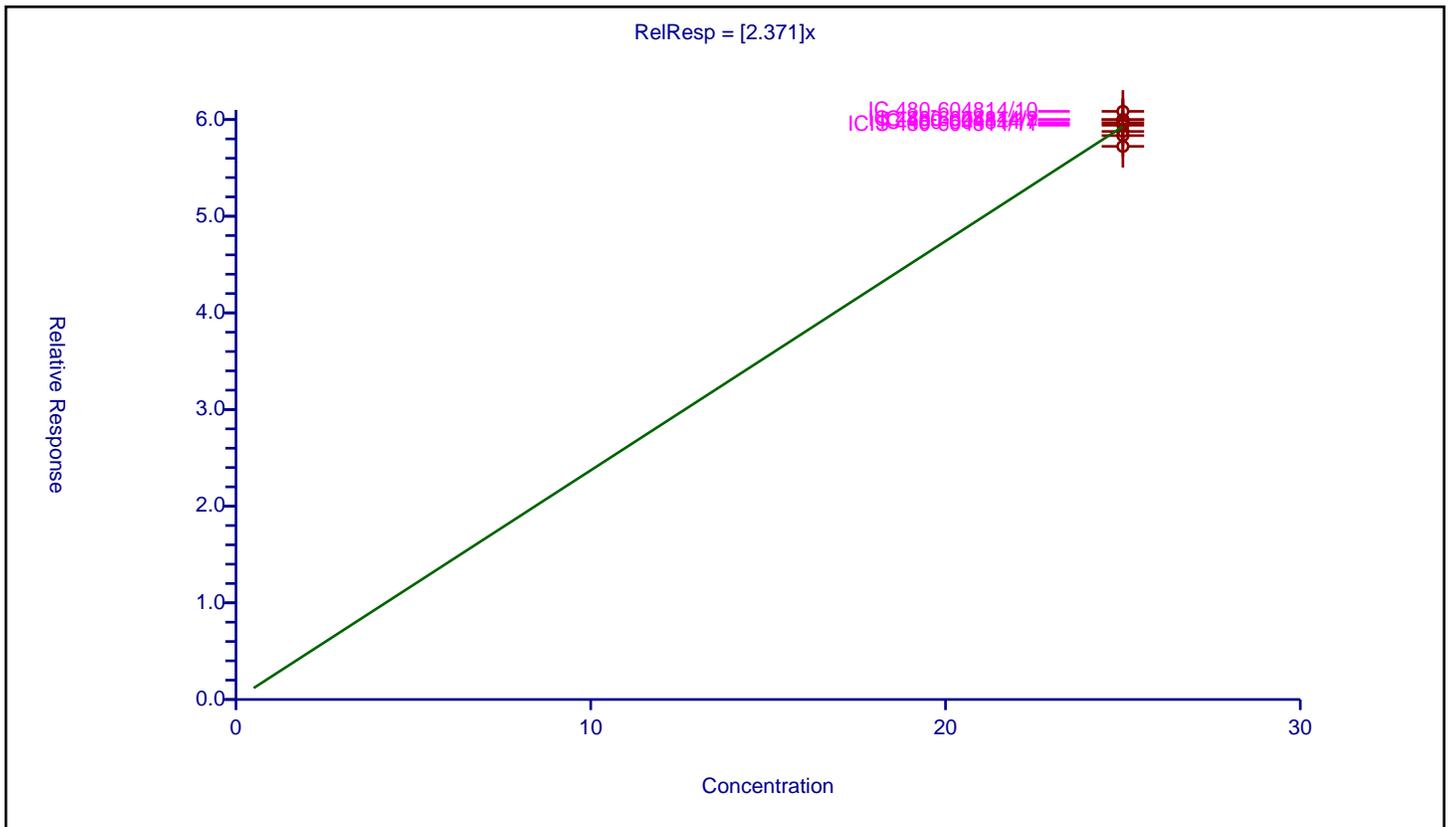
Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.371
Error Coefficients	
Standard Error:	933000
Relative Standard Error:	1.9
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0.0000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	25.0	58.770228	25.0	345316.0	2.350809	Y
2	IC 480-604814/7	25.0	59.655823	25.0	357665.0	2.386233	Y
3	IC 480-604814/8	25.0	58.339478	25.0	355325.0	2.333579	Y
4	IC 480-604814/9	25.0	59.981766	25.0	366616.0	2.399271	Y
5	IC 480-604814/10	25.0	60.849827	25.0	366704.0	2.433993	Y
6	ICIS 480-604814/11	25.0	59.413073	25.0	375183.0	2.376523	Y
7	IC 480-604814/12	25.0	59.990289	25.0	374326.0	2.399612	Y
8	IC 480-604814/13	25.0	57.227357	25.0	403045.0	2.289094	Y



Calibration

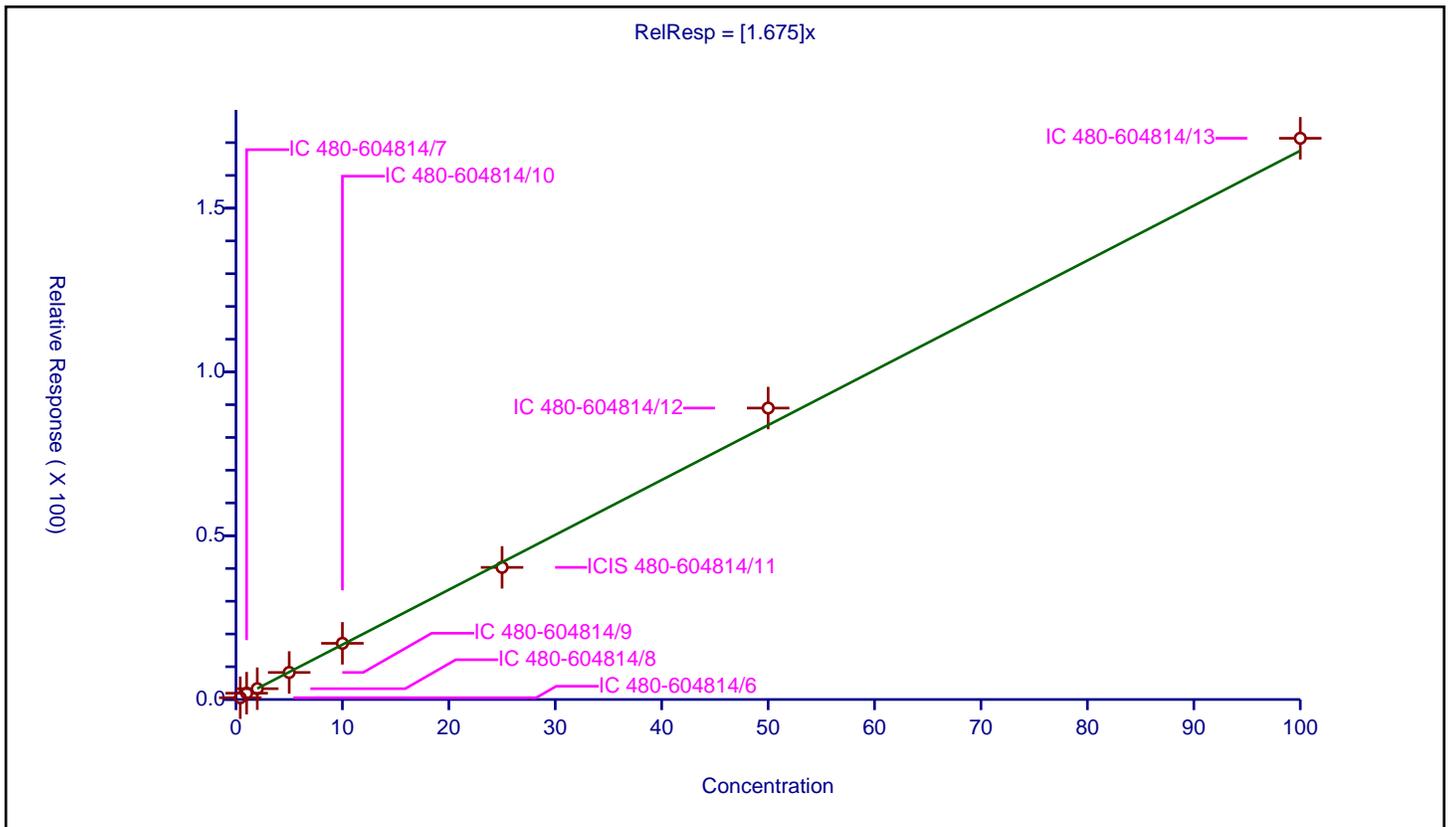
/ Toluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.675

Error Coefficients	
Standard Error:	1190000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.540013	25.0	345316.0	1.350032	Y
2	IC 480-604814/7	1.0	1.932255	25.0	357665.0	1.932255	Y
3	IC 480-604814/8	2.0	3.297826	25.0	355325.0	1.648913	Y
4	IC 480-604814/9	5.0	8.248685	25.0	366616.0	1.649737	Y
5	IC 480-604814/10	10.0	17.152663	25.0	366704.0	1.715266	Y
6	ICIS 480-604814/11	25.0	40.332518	25.0	375183.0	1.613301	Y
7	IC 480-604814/12	50.0	88.976253	25.0	374326.0	1.779525	Y
8	IC 480-604814/13	100.0	171.334777	25.0	403045.0	1.713348	Y



Calibration

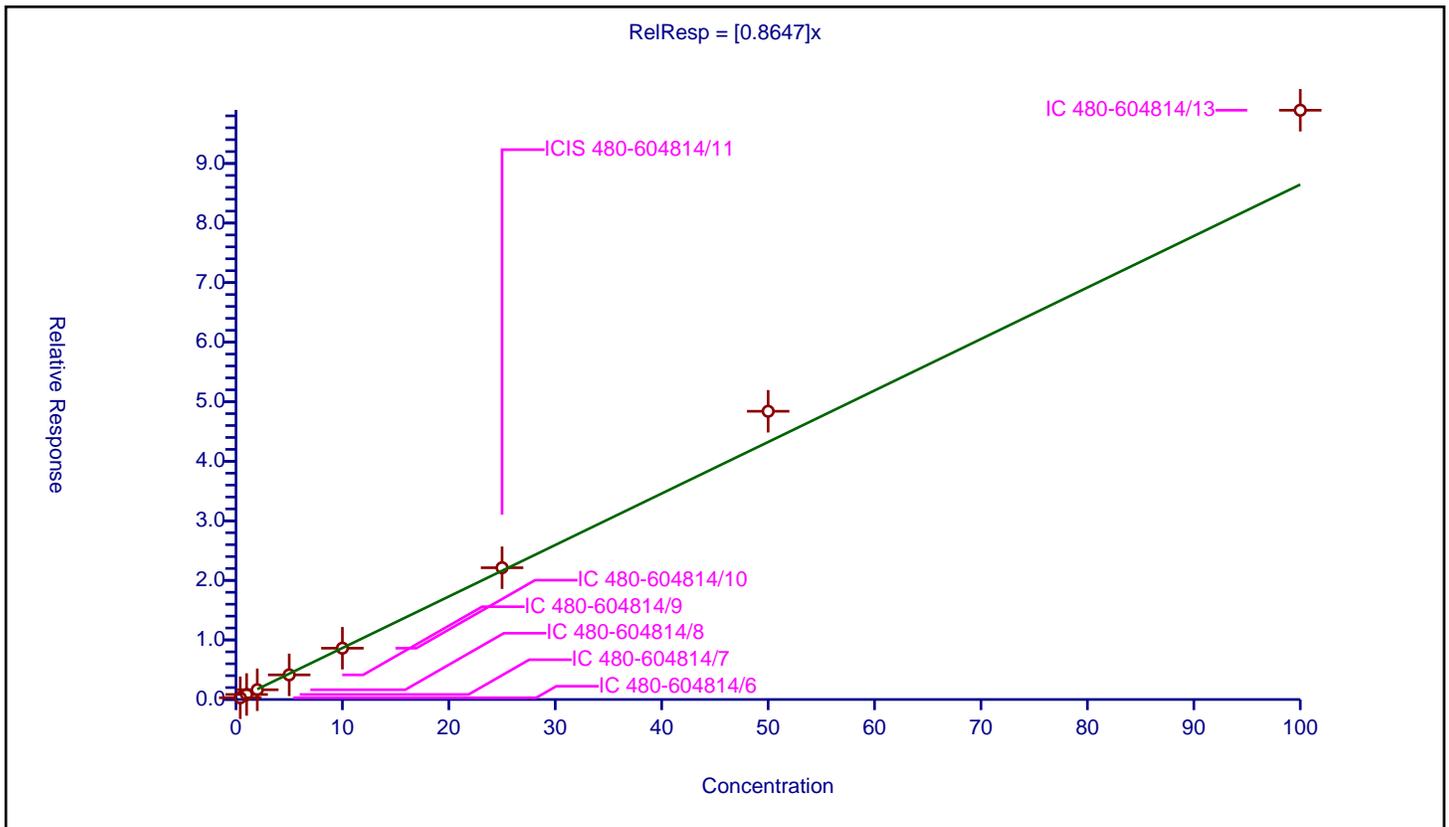
/ trans-1,3-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8647

Error Coefficients	
Standard Error:	676000
Relative Standard Error:	9.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.290169	25.0	345316.0	0.725423	Y
2	IC 480-604814/7	1.0	0.843597	25.0	357665.0	0.843597	Y
3	IC 480-604814/8	2.0	1.636389	25.0	355325.0	0.818195	Y
4	IC 480-604814/9	5.0	4.133139	25.0	366616.0	0.826628	Y
5	IC 480-604814/10	10.0	8.613964	25.0	366704.0	0.861396	Y
6	ICIS 480-604814/11	25.0	22.123937	25.0	375183.0	0.884957	Y
7	IC 480-604814/12	50.0	48.396652	25.0	374326.0	0.967933	Y
8	IC 480-604814/13	100.0	98.940565	25.0	403045.0	0.989406	Y



Calibration

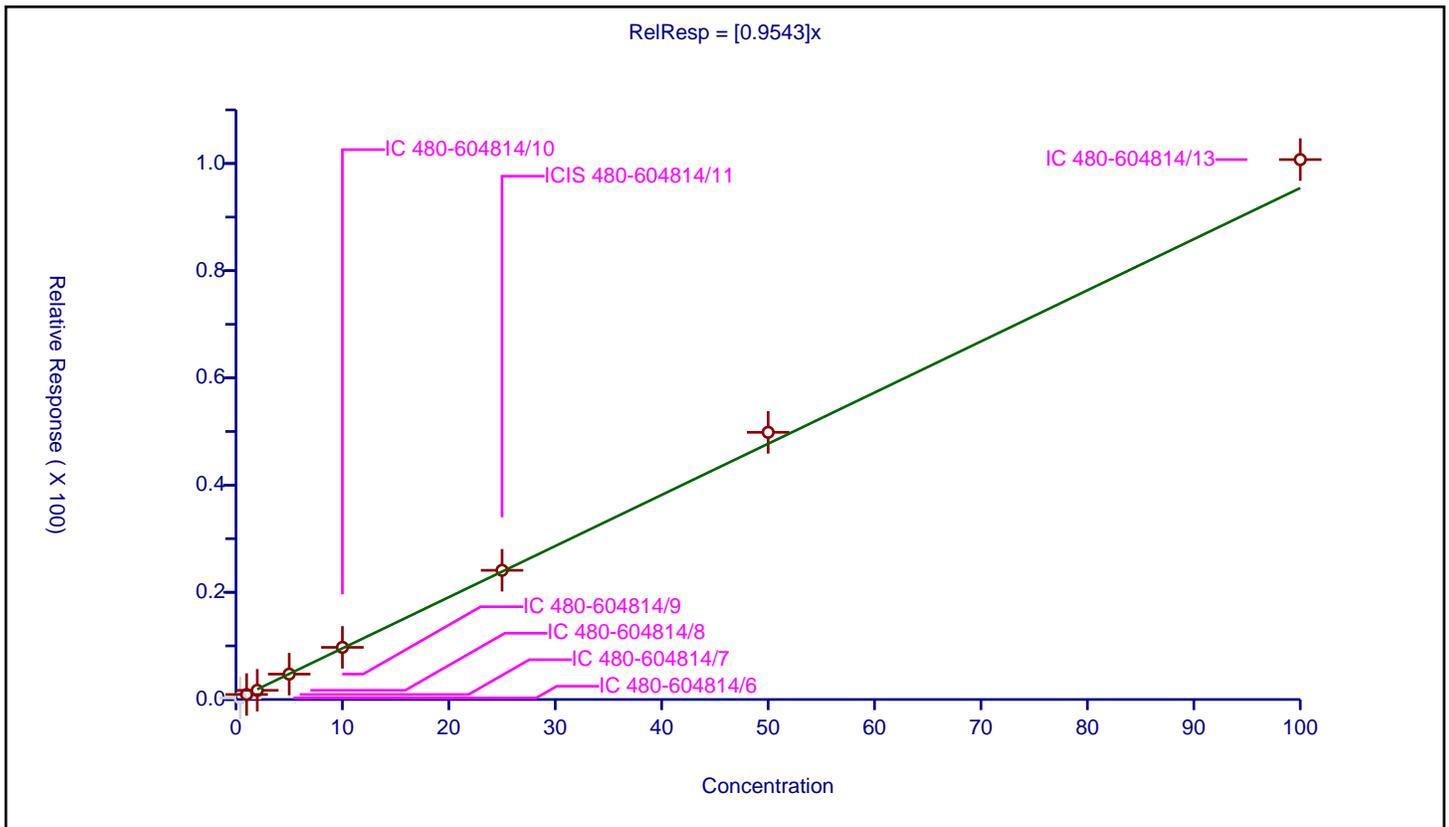
/ Ethyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9543

Error Coefficients	
Standard Error:	747000
Relative Standard Error:	5.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.284015	25.0	345316.0	0.710038	N
2	IC 480-604814/7	1.0	0.933905	25.0	357665.0	0.933905	Y
3	IC 480-604814/8	2.0	1.715401	25.0	355325.0	0.857701	Y
4	IC 480-604814/9	5.0	4.737723	25.0	366616.0	0.947545	Y
5	IC 480-604814/10	10.0	9.726782	25.0	366704.0	0.972678	Y
6	ICIS 480-604814/11	25.0	24.103704	25.0	375183.0	0.964148	Y
7	IC 480-604814/12	50.0	49.847593	25.0	374326.0	0.996952	Y
8	IC 480-604814/13	100.0	100.729323	25.0	403045.0	1.007293	Y



Calibration

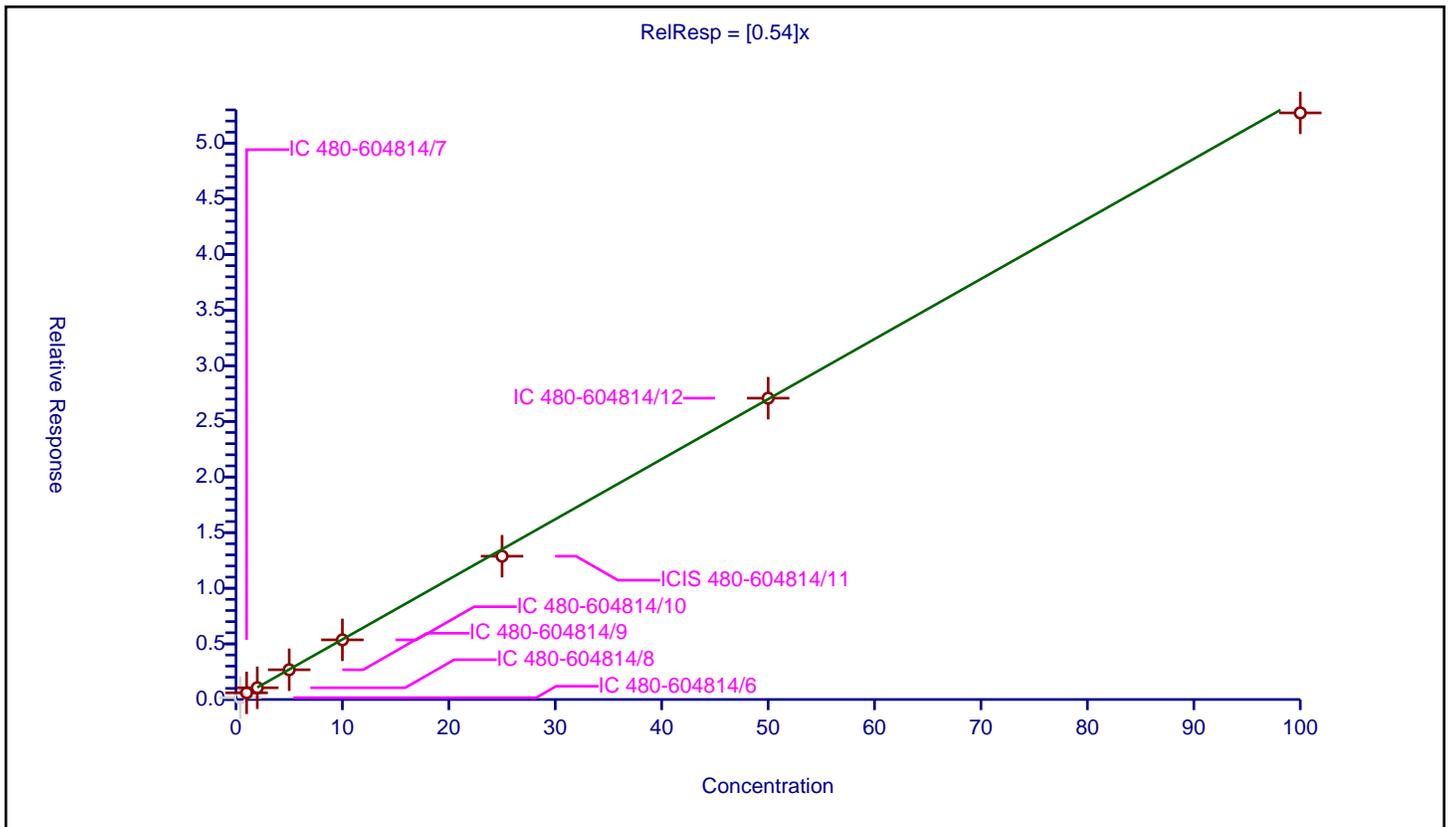
/ 1,1,2-Trichloroethane

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	
Standard Error:	394000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.164053	25.0	345316.0	0.410132	N
2	IC 480-604814/7	1.0	0.598465	25.0	357665.0	0.598465	Y
3	IC 480-604814/8	2.0	1.053894	25.0	355325.0	0.526947	Y
4	IC 480-604814/9	5.0	2.672619	25.0	366616.0	0.534524	Y
5	IC 480-604814/10	10.0	5.360522	25.0	366704.0	0.536052	Y
6	ICIS 480-604814/11	25.0	12.881647	25.0	375183.0	0.515266	Y
7	IC 480-604814/12	50.0	27.085949	25.0	374326.0	0.541719	Y
8	IC 480-604814/13	100.0	52.729844	25.0	403045.0	0.527298	Y



Calibration

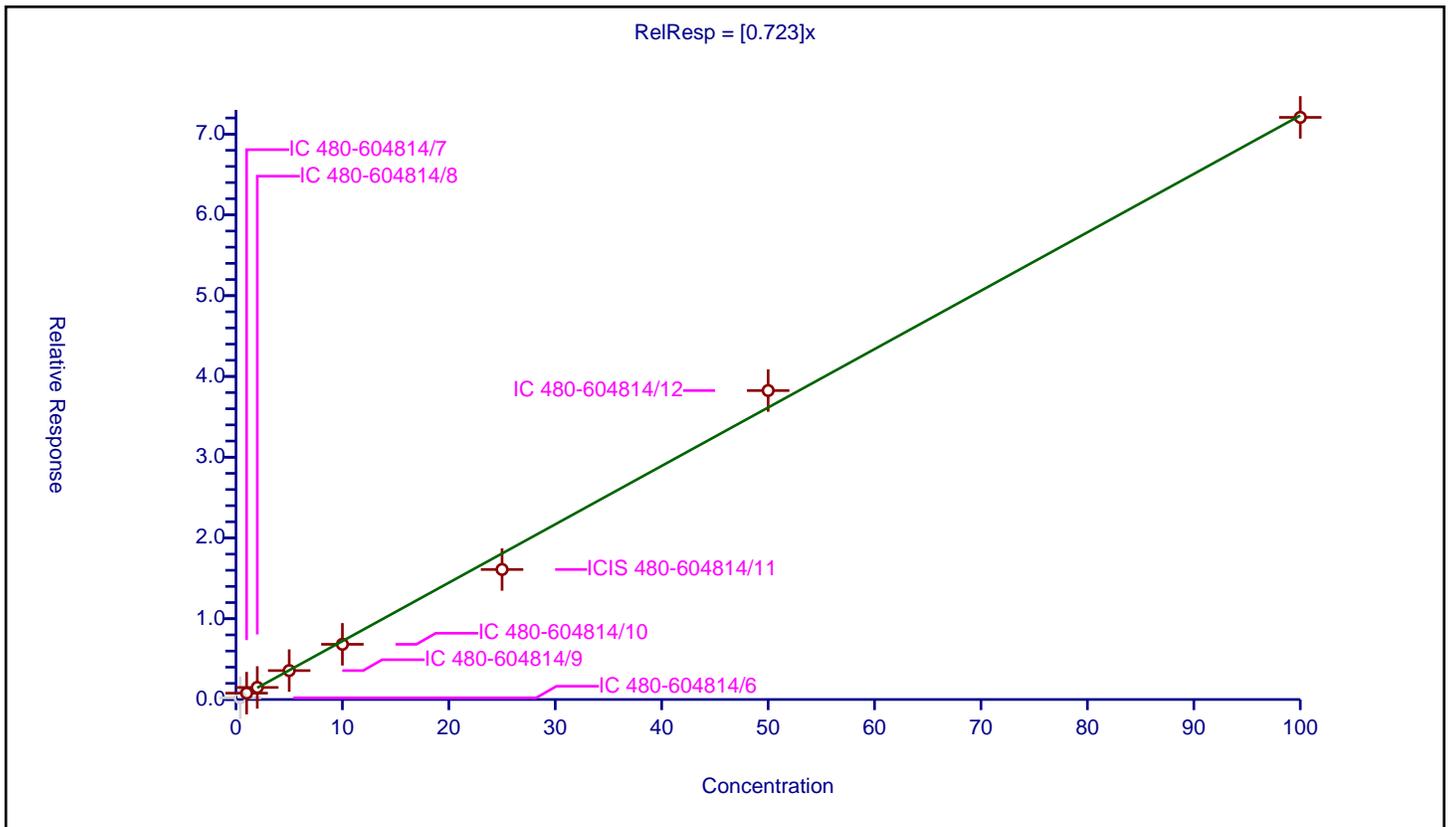
/ Tetrachloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.723

Error Coefficients	
Standard Error:	540000
Relative Standard Error:	6.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.206188	25.0	345316.0	0.51547	N
2	IC 480-604814/7	1.0	0.786141	25.0	357665.0	0.786141	Y
3	IC 480-604814/8	2.0	1.492648	25.0	355325.0	0.746324	Y
4	IC 480-604814/9	5.0	3.578472	25.0	366616.0	0.715694	Y
5	IC 480-604814/10	10.0	6.834054	25.0	366704.0	0.683405	Y
6	ICIS 480-604814/11	25.0	16.097011	25.0	375183.0	0.64388	Y
7	IC 480-604814/12	50.0	38.250883	25.0	374326.0	0.765018	Y
8	IC 480-604814/13	100.0	72.072783	25.0	403045.0	0.720728	Y



Calibration

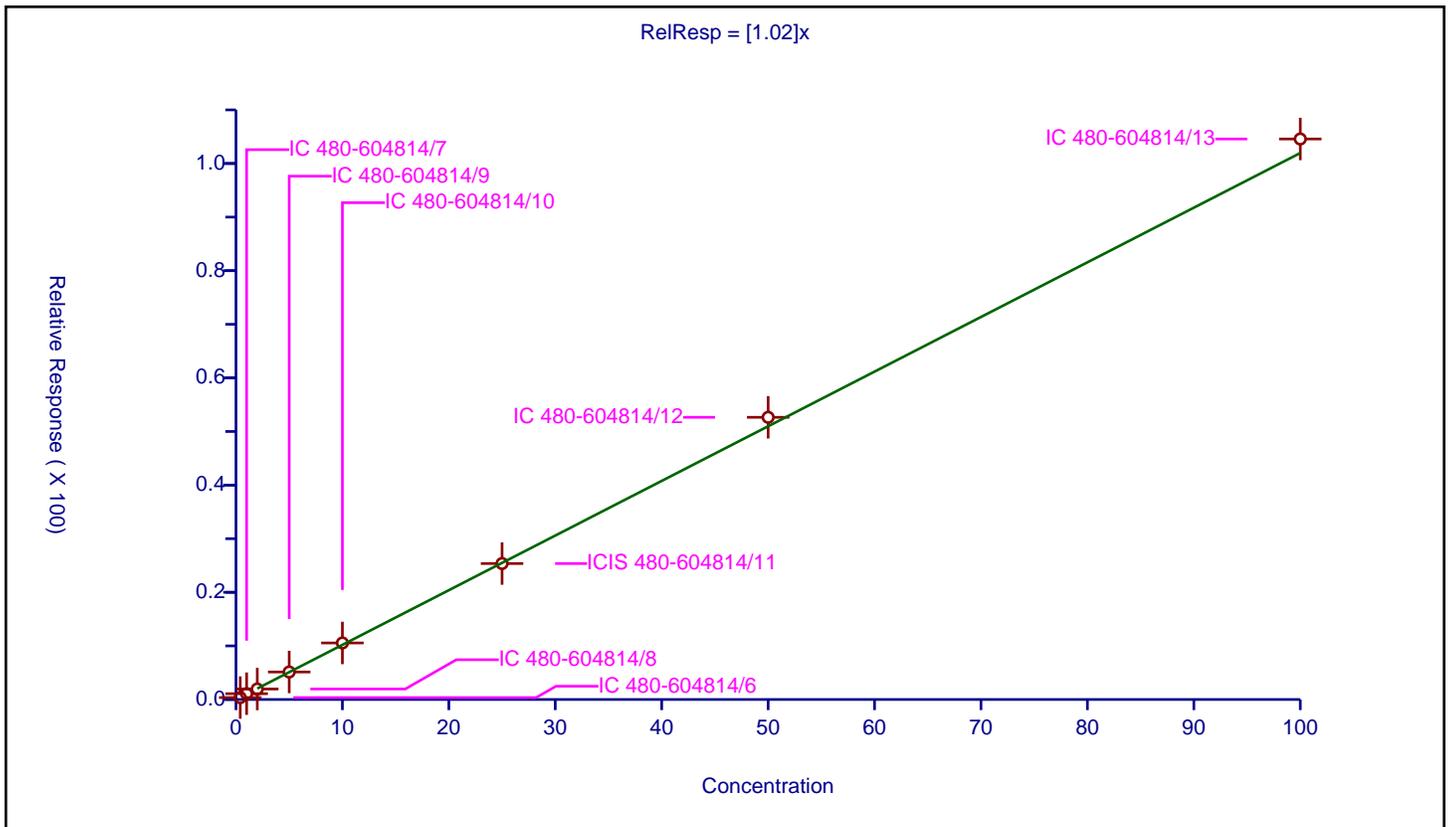
/ 1,3-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.02

Error Coefficients	
Standard Error:	721000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.357933	25.0	345316.0	0.894833	Y
2	IC 480-604814/7	1.0	1.087959	25.0	357665.0	1.087959	Y
3	IC 480-604814/8	2.0	1.957785	25.0	355325.0	0.978893	Y
4	IC 480-604814/9	5.0	5.132346	25.0	366616.0	1.026469	Y
5	IC 480-604814/10	10.0	10.546858	25.0	366704.0	1.054686	Y
6	ICIS 480-604814/11	25.0	25.364955	25.0	375183.0	1.014598	Y
7	IC 480-604814/12	50.0	52.644687	25.0	374326.0	1.052894	Y
8	IC 480-604814/13	100.0	104.57114	25.0	403045.0	1.045711	Y



Calibration

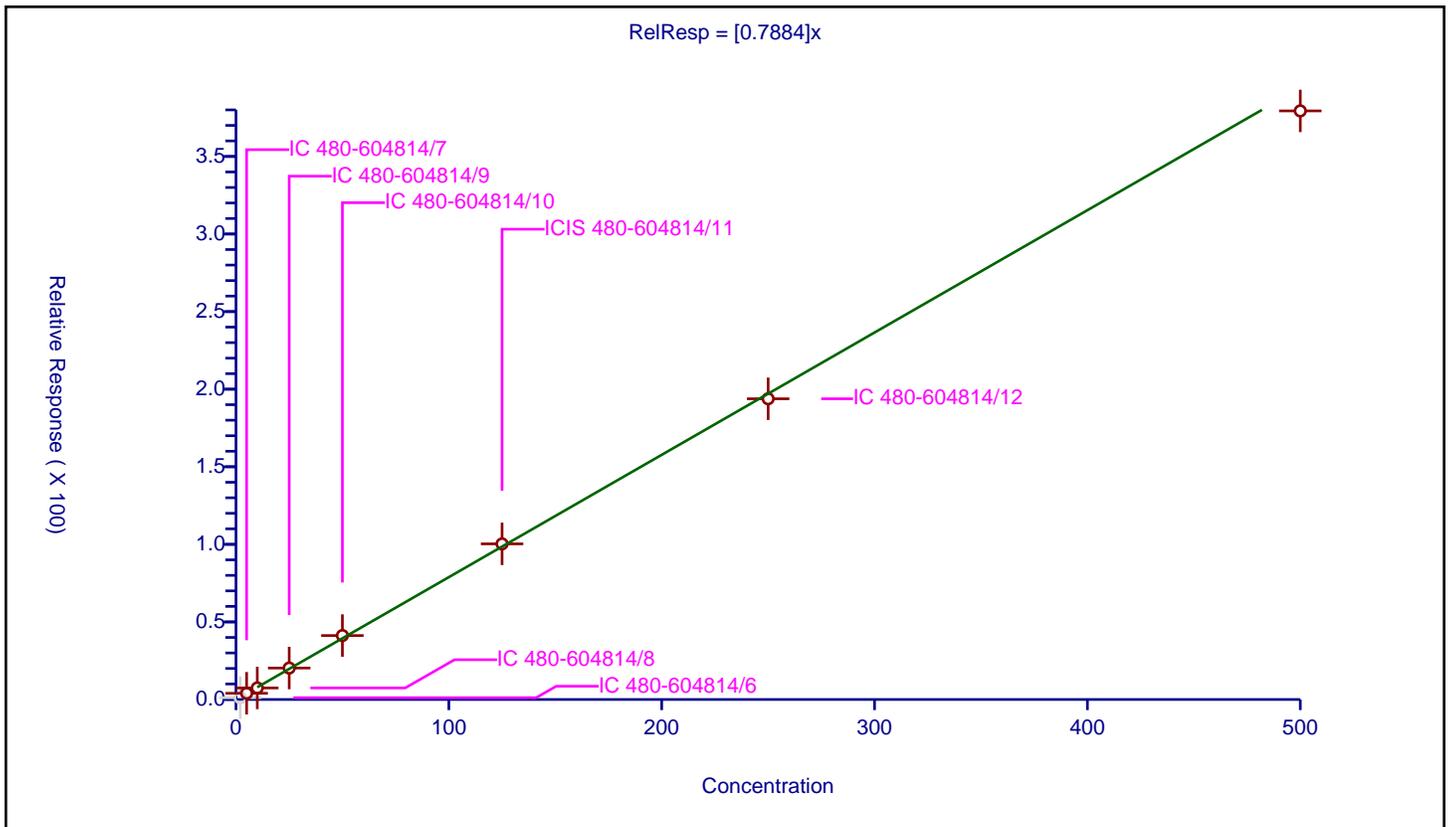
/ 2-Hexanone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7884

Error Coefficients	
Standard Error:	2840000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	2.0	1.161038	25.0	345316.0	0.580519	N
2	IC 480-604814/7	5.0	4.015839	25.0	357665.0	0.803168	Y
3	IC 480-604814/8	10.0	7.439105	25.0	355325.0	0.743911	Y
4	IC 480-604814/9	25.0	20.274552	25.0	366616.0	0.810982	Y
5	IC 480-604814/10	50.0	41.214849	25.0	366704.0	0.824297	Y
6	ICIS 480-604814/11	125.0	100.298388	25.0	375183.0	0.802387	Y
7	IC 480-604814/12	250.0	193.810542	25.0	374326.0	0.775242	Y
8	IC 480-604814/13	500.0	379.357888	25.0	403045.0	0.758716	Y



Calibration

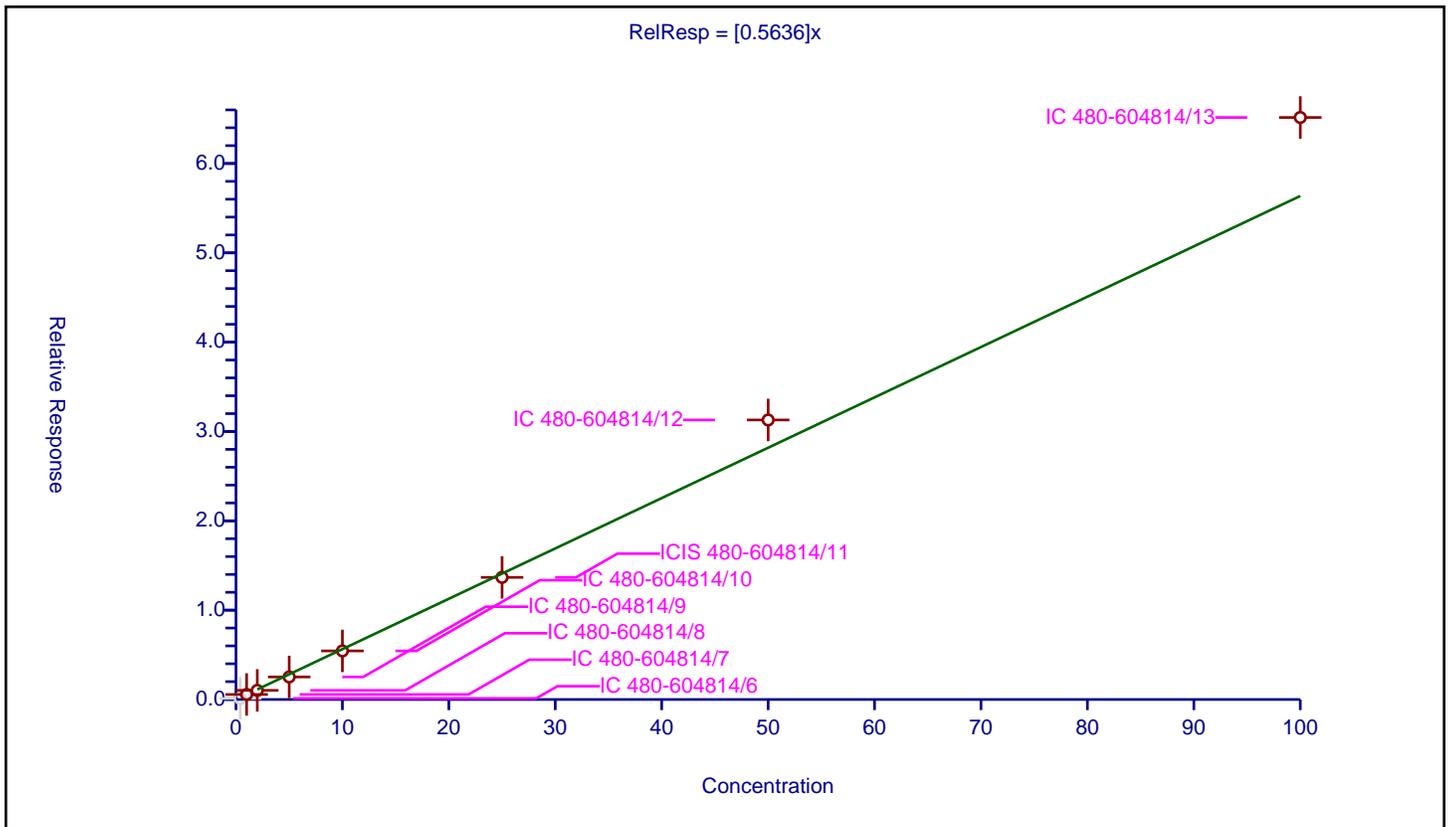
/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5636

Error Coefficients	
Standard Error:	478000
Relative Standard Error:	9.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.123944	25.0	345316.0	0.309861	N
2	IC 480-604814/7	1.0	0.561839	25.0	357665.0	0.561839	Y
3	IC 480-604814/8	2.0	1.021952	25.0	355325.0	0.510976	Y
4	IC 480-604814/9	5.0	2.52369	25.0	366616.0	0.504738	Y
5	IC 480-604814/10	10.0	5.437628	25.0	366704.0	0.543763	Y
6	ICIS 480-604814/11	25.0	13.669529	25.0	375183.0	0.546781	Y
7	IC 480-604814/12	50.0	31.289905	25.0	374326.0	0.625798	Y
8	IC 480-604814/13	100.0	65.152588	25.0	403045.0	0.651526	Y



Calibration

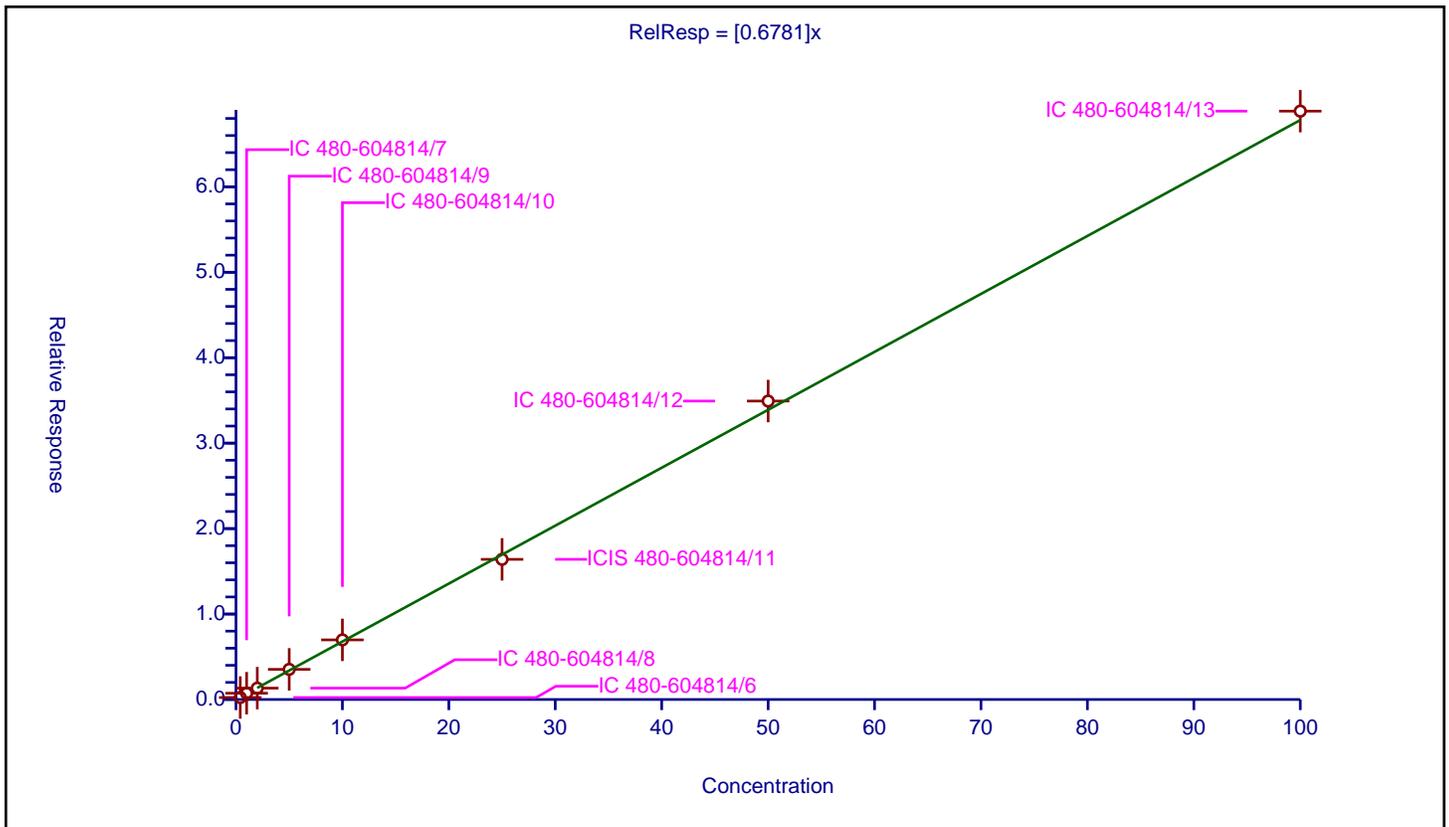
/ Ethylene Dibromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6781

Error Coefficients	
Standard Error:	475000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.232468	25.0	345316.0	0.581171	Y
2	IC 480-604814/7	1.0	0.732739	25.0	357665.0	0.732739	Y
3	IC 480-604814/8	2.0	1.329065	25.0	355325.0	0.664532	Y
4	IC 480-604814/9	5.0	3.525964	25.0	366616.0	0.705193	Y
5	IC 480-604814/10	10.0	6.97763	25.0	366704.0	0.697763	Y
6	ICIS 480-604814/11	25.0	16.399664	25.0	375183.0	0.655987	Y
7	IC 480-604814/12	50.0	34.925974	25.0	374326.0	0.698519	Y
8	IC 480-604814/13	100.0	68.85354	25.0	403045.0	0.688535	Y



Calibration

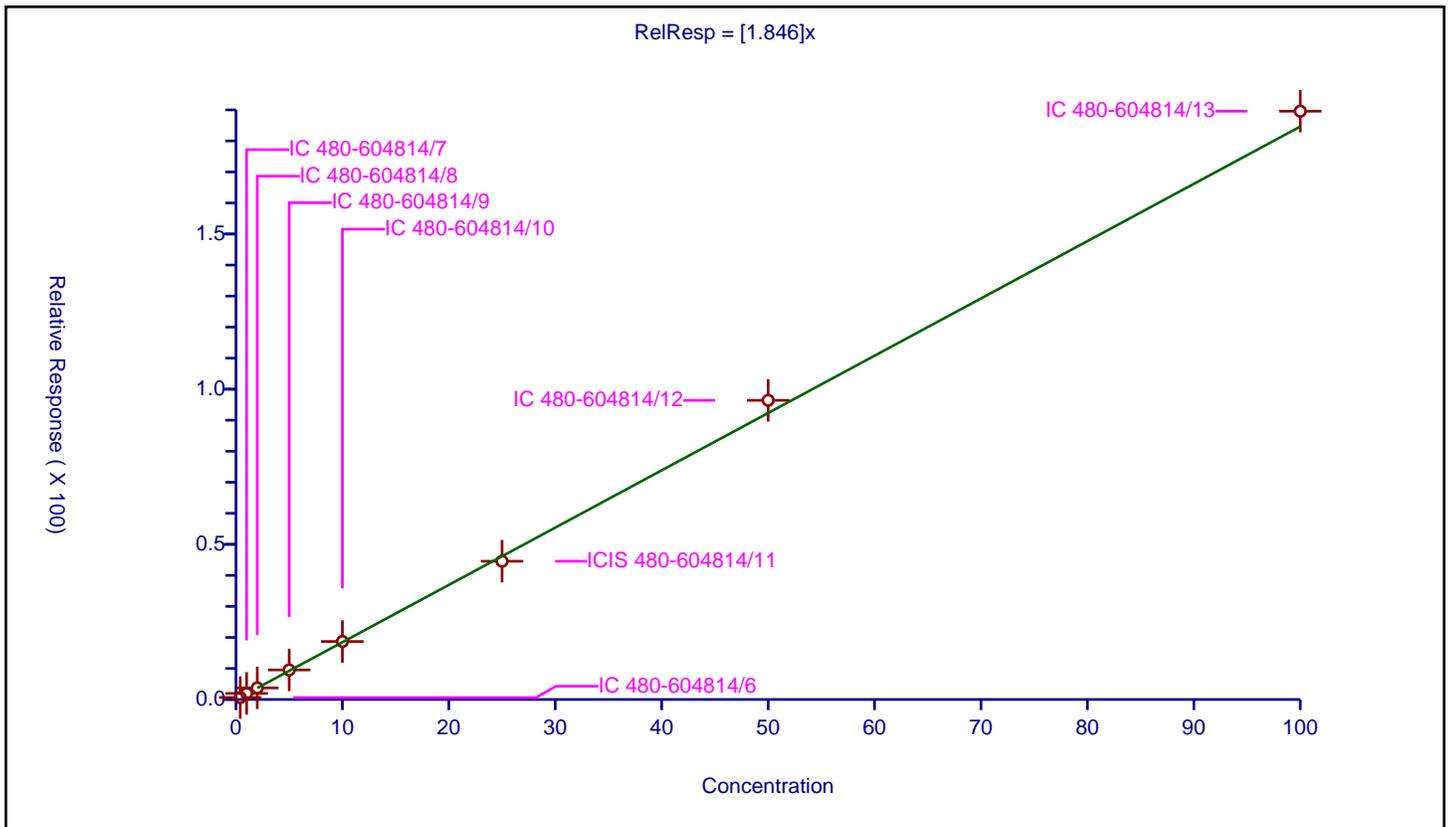
/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.846

Error Coefficients	
Standard Error:	1310000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.6266	25.0	345316.0	1.5665	Y
2	IC 480-604814/7	1.0	1.957278	25.0	357665.0	1.957278	Y
3	IC 480-604814/8	2.0	3.734891	25.0	355325.0	1.867445	Y
4	IC 480-604814/9	5.0	9.52202	25.0	366616.0	1.904404	Y
5	IC 480-604814/10	10.0	18.691097	25.0	366704.0	1.86911	Y
6	ICIS 480-604814/11	25.0	44.551259	25.0	375183.0	1.78205	Y
7	IC 480-604814/12	50.0	96.399596	25.0	374326.0	1.927992	Y
8	IC 480-604814/13	100.0	189.577342	25.0	403045.0	1.895773	Y



Calibration

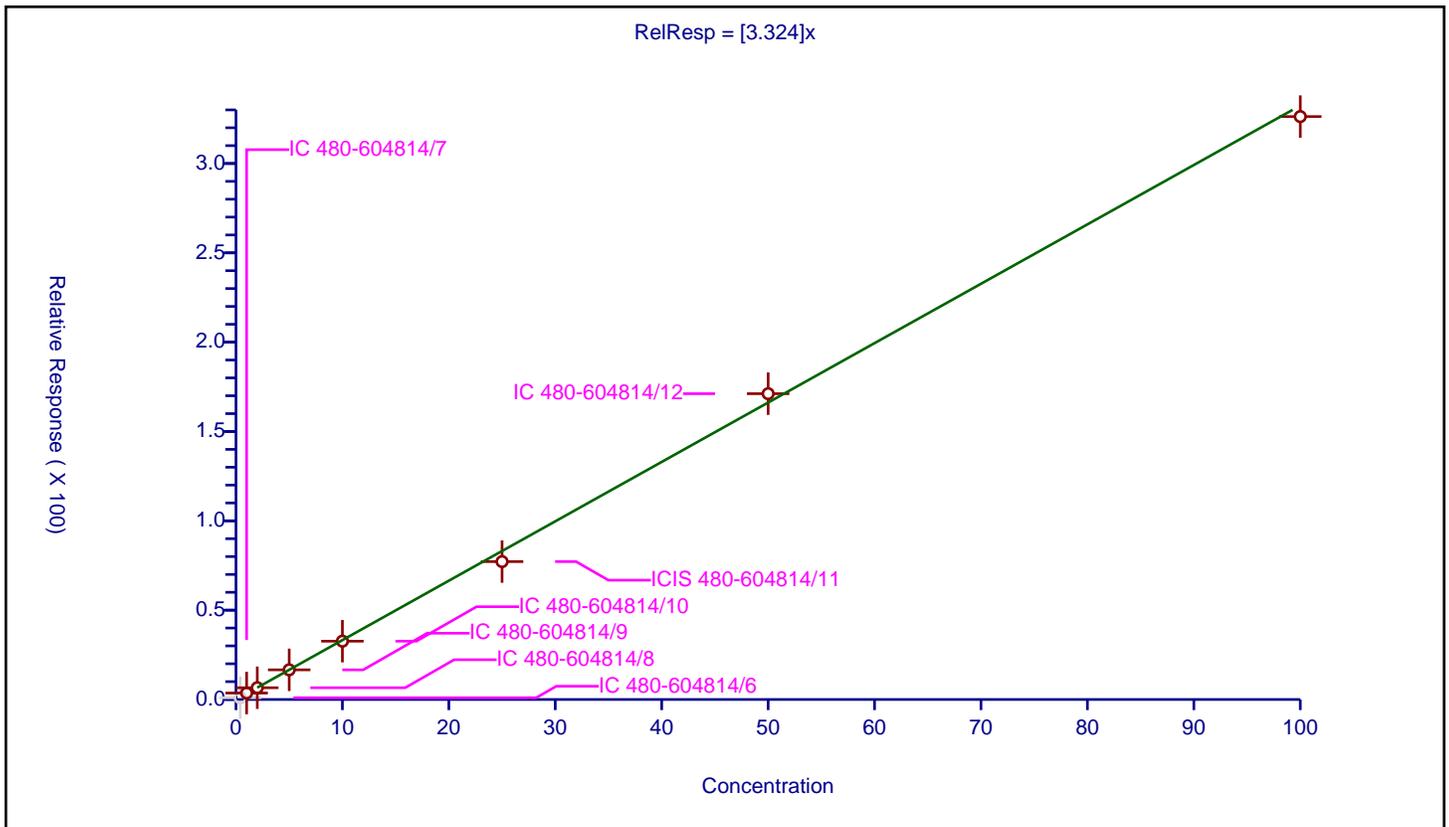
/ Ethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.324

Error Coefficients	
Standard Error:	2450000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.976424	25.0	345316.0	2.441061	N
2	IC 480-604814/7	1.0	3.620427	25.0	357665.0	3.620427	Y
3	IC 480-604814/8	2.0	6.582706	25.0	355325.0	3.291353	Y
4	IC 480-604814/9	5.0	16.59352	25.0	366616.0	3.318704	Y
5	IC 480-604814/10	10.0	32.646426	25.0	366704.0	3.264643	Y
6	ICIS 480-604814/11	25.0	77.175272	25.0	375183.0	3.087011	Y
7	IC 480-604814/12	50.0	171.168847	25.0	374326.0	3.423377	Y
8	IC 480-604814/13	100.0	326.260591	25.0	403045.0	3.262606	Y



Calibration

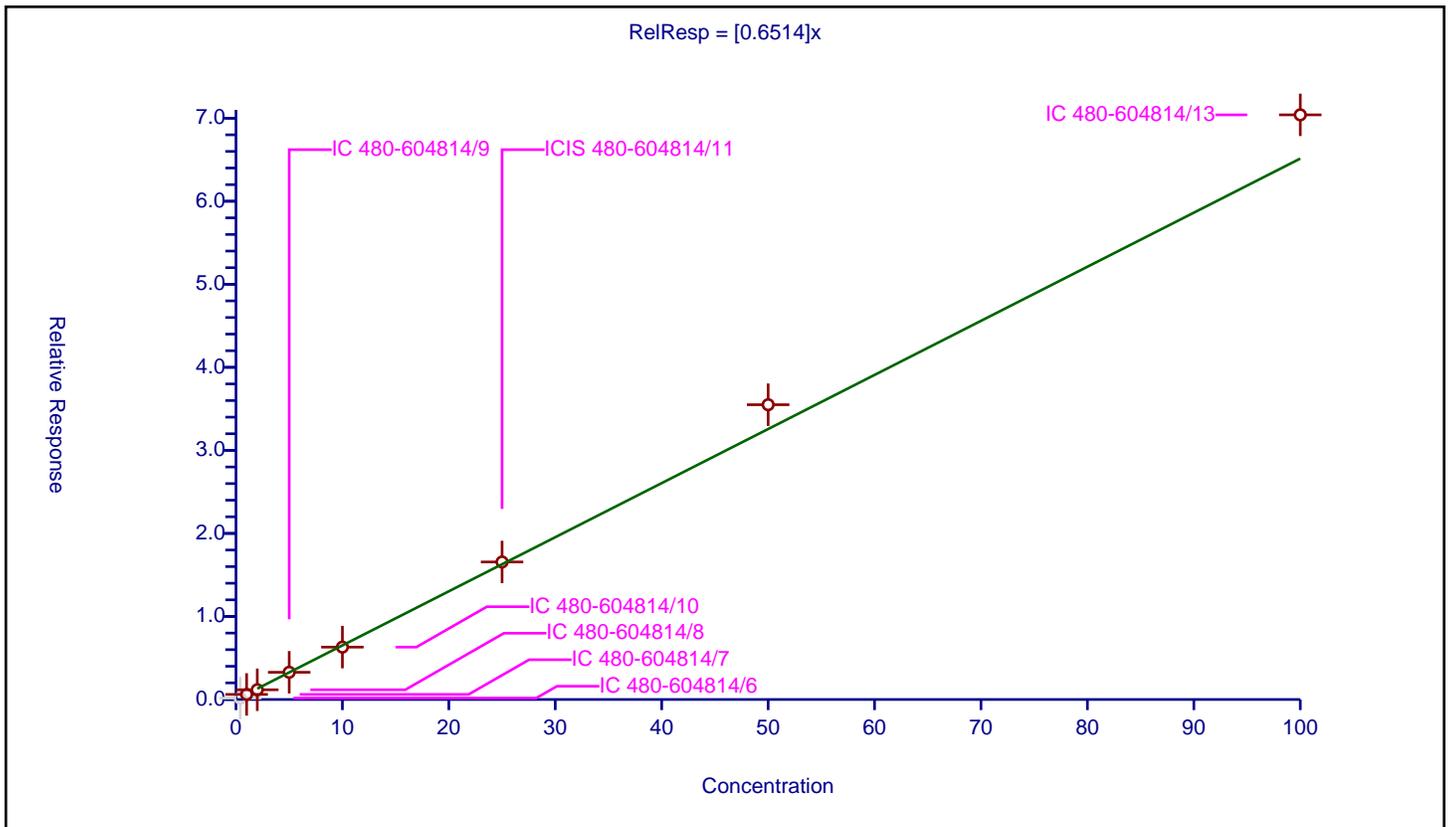
/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6514

Error Coefficients	
Standard Error:	523000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.167528	25.0	345316.0	0.418819	N
2	IC 480-604814/7	1.0	0.612584	25.0	357665.0	0.612584	Y
3	IC 480-604814/8	2.0	1.168789	25.0	355325.0	0.584395	Y
4	IC 480-604814/9	5.0	3.277135	25.0	366616.0	0.655427	Y
5	IC 480-604814/10	10.0	6.308017	25.0	366704.0	0.630802	Y
6	ICIS 480-604814/11	25.0	16.559452	25.0	375183.0	0.662378	Y
7	IC 480-604814/12	50.0	35.496599	25.0	374326.0	0.709932	Y
8	IC 480-604814/13	100.0	70.401754	25.0	403045.0	0.704018	Y



Calibration

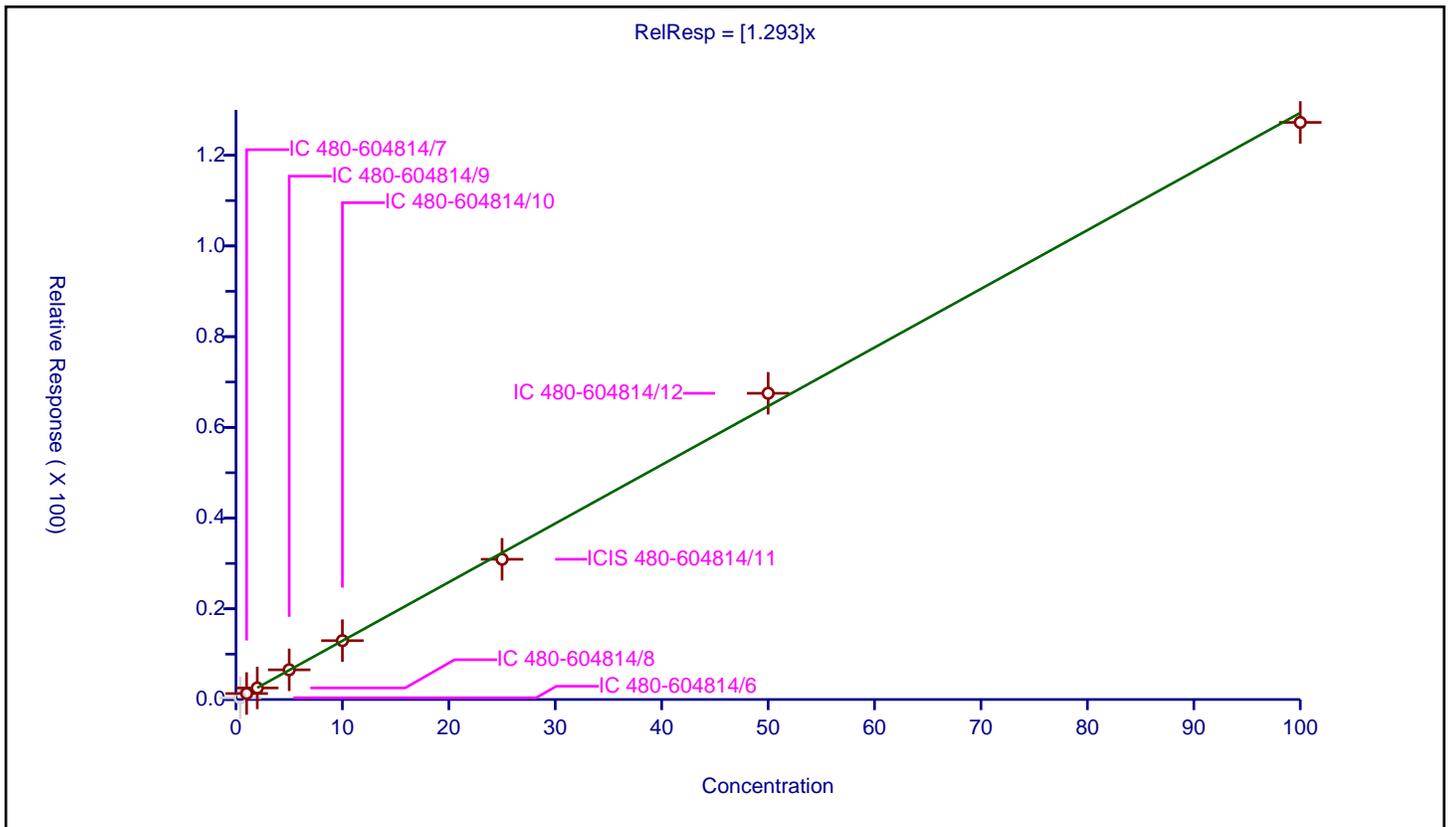
/ m-Xylene & p-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.293

Error Coefficients	
Standard Error:	957000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.377408	25.0	345316.0	0.94352	N
2	IC 480-604814/7	1.0	1.316246	25.0	357665.0	1.316246	Y
3	IC 480-604814/8	2.0	2.543165	25.0	355325.0	1.271582	Y
4	IC 480-604814/9	5.0	6.546496	25.0	366616.0	1.309299	Y
5	IC 480-604814/10	10.0	12.97402	25.0	366704.0	1.297402	Y
6	ICIS 480-604814/11	25.0	30.919911	25.0	375183.0	1.236796	Y
7	IC 480-604814/12	50.0	67.518019	25.0	374326.0	1.35036	Y
8	IC 480-604814/13	100.0	127.24336	25.0	403045.0	1.272434	Y



Calibration

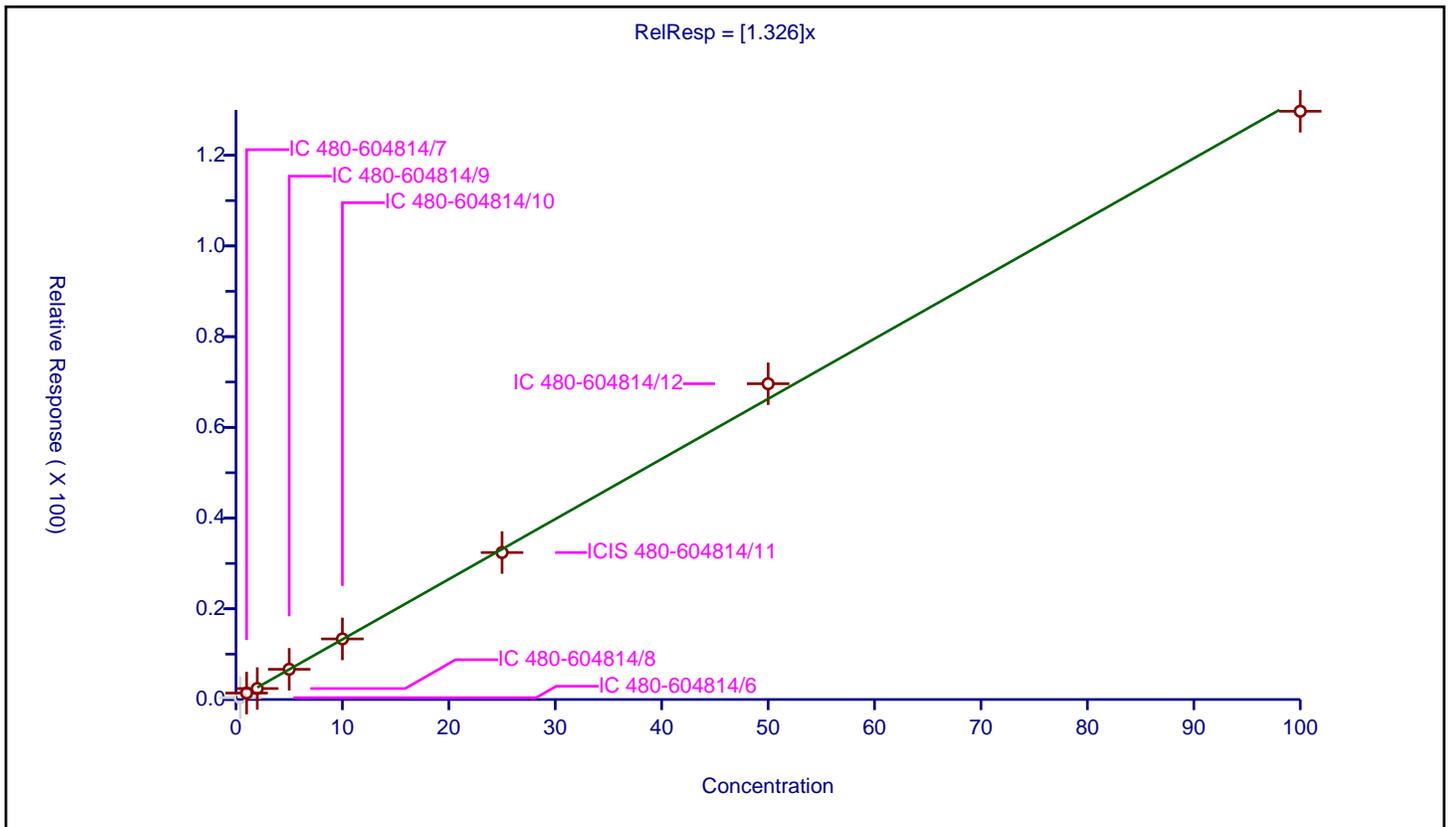
/ o-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.326

Error Coefficients	
Standard Error:	978000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.392901	25.0	345316.0	0.982252	N
2	IC 480-604814/7	1.0	1.418296	25.0	357665.0	1.418296	Y
3	IC 480-604814/8	2.0	2.417364	25.0	355325.0	1.208682	Y
4	IC 480-604814/9	5.0	6.664125	25.0	366616.0	1.332825	Y
5	IC 480-604814/10	10.0	13.356617	25.0	366704.0	1.335662	Y
6	ICIS 480-604814/11	25.0	32.404786	25.0	375183.0	1.296191	Y
7	IC 480-604814/12	50.0	69.622668	25.0	374326.0	1.392453	Y
8	IC 480-604814/13	100.0	129.704437	25.0	403045.0	1.297044	Y



Calibration

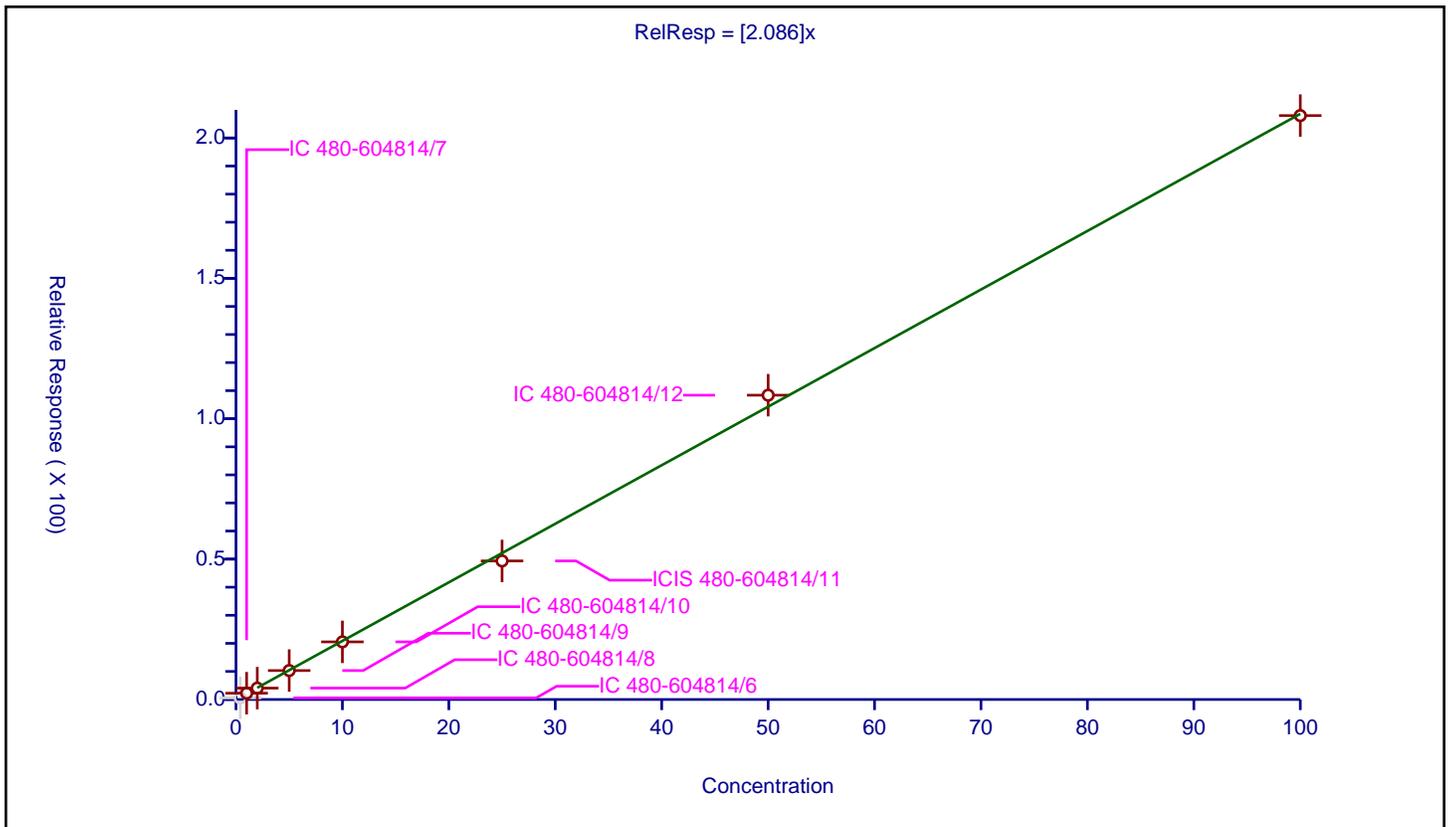
/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.086

Error Coefficients	
Standard Error:	1560000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.559705	25.0	345316.0	1.399262	N
2	IC 480-604814/7	1.0	2.238407	25.0	357665.0	2.238407	Y
3	IC 480-604814/8	2.0	4.056286	25.0	355325.0	2.028143	Y
4	IC 480-604814/9	5.0	10.30506	25.0	366616.0	2.061012	Y
5	IC 480-604814/10	10.0	20.525137	25.0	366704.0	2.052514	Y
6	ICIS 480-604814/11	25.0	49.353515	25.0	375183.0	1.974141	Y
7	IC 480-604814/12	50.0	108.384069	25.0	374326.0	2.167681	Y
8	IC 480-604814/13	100.0	207.970202	25.0	403045.0	2.079702	Y



Calibration

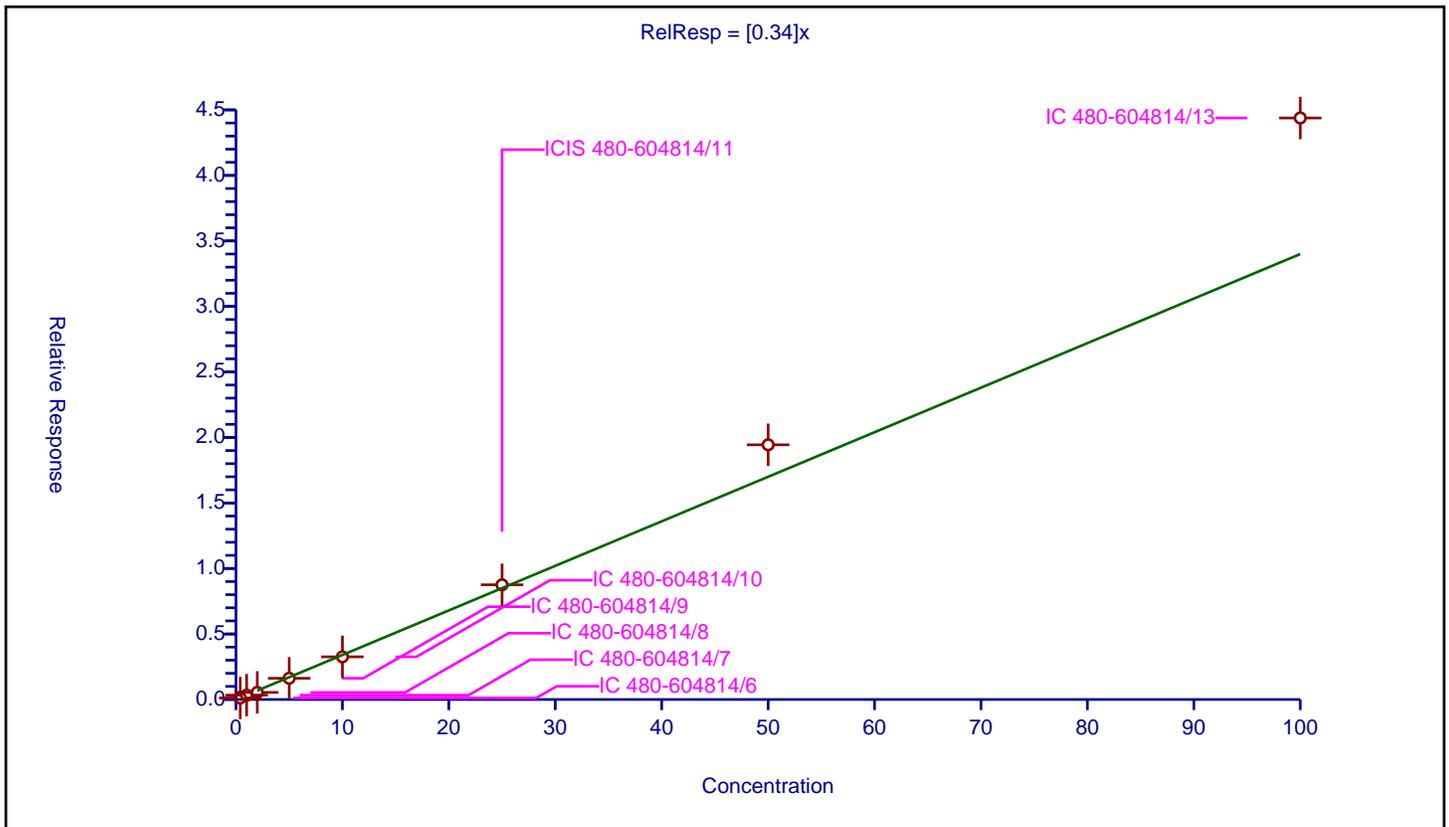
/ Bromoform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.34

Error Coefficients	
Standard Error:	297000
Relative Standard Error:	16.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.114243	25.0	345316.0	0.285608	Y
2	IC 480-604814/7	1.0	0.330756	25.0	357665.0	0.330756	Y
3	IC 480-604814/8	2.0	0.541758	25.0	355325.0	0.270879	Y
4	IC 480-604814/9	5.0	1.620019	25.0	366616.0	0.324004	Y
5	IC 480-604814/10	10.0	3.257941	25.0	366704.0	0.325794	Y
6	ICIS 480-604814/11	25.0	8.752595	25.0	375183.0	0.350104	Y
7	IC 480-604814/12	50.0	19.43827	25.0	374326.0	0.388765	Y
8	IC 480-604814/13	100.0	44.383133	25.0	403045.0	0.443831	Y



Calibration

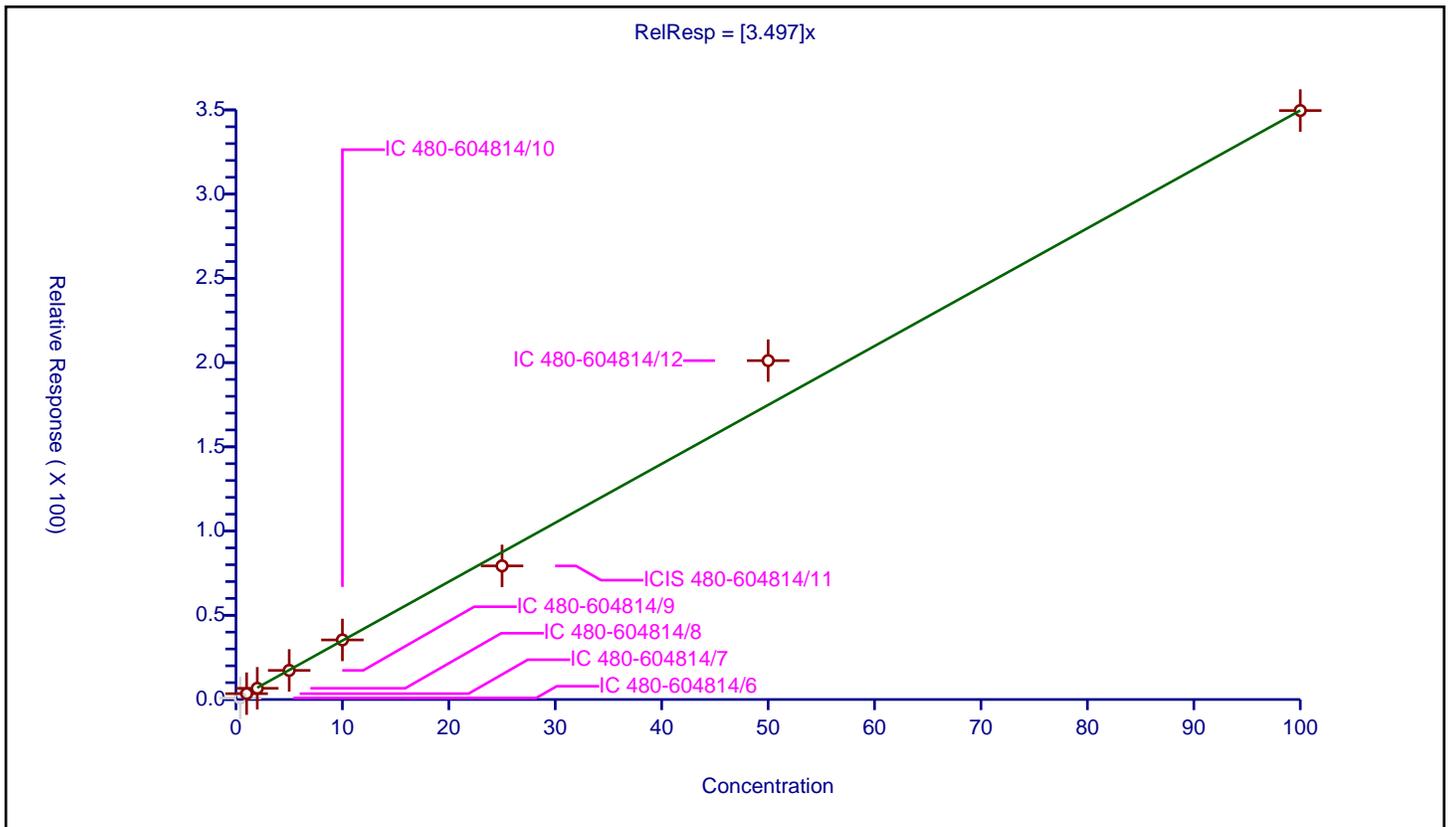
/ Isopropylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.497

Error Coefficients	
Standard Error:	2670000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.887836	25.0	362060.0	2.219591	N
2	IC 480-604814/7	1.0	3.469297	25.0	366998.0	3.469297	Y
3	IC 480-604814/8	2.0	6.648577	25.0	372873.0	3.324289	Y
4	IC 480-604814/9	5.0	17.278162	25.0	375691.0	3.455632	Y
5	IC 480-604814/10	10.0	35.363043	25.0	359916.0	3.536304	Y
6	ICIS 480-604814/11	25.0	79.311731	25.0	393044.0	3.172469	Y
7	IC 480-604814/12	50.0	201.158169	25.0	349690.0	4.023163	Y
8	IC 480-604814/13	100.0	349.608361	25.0	409625.0	3.496084	Y



Calibration

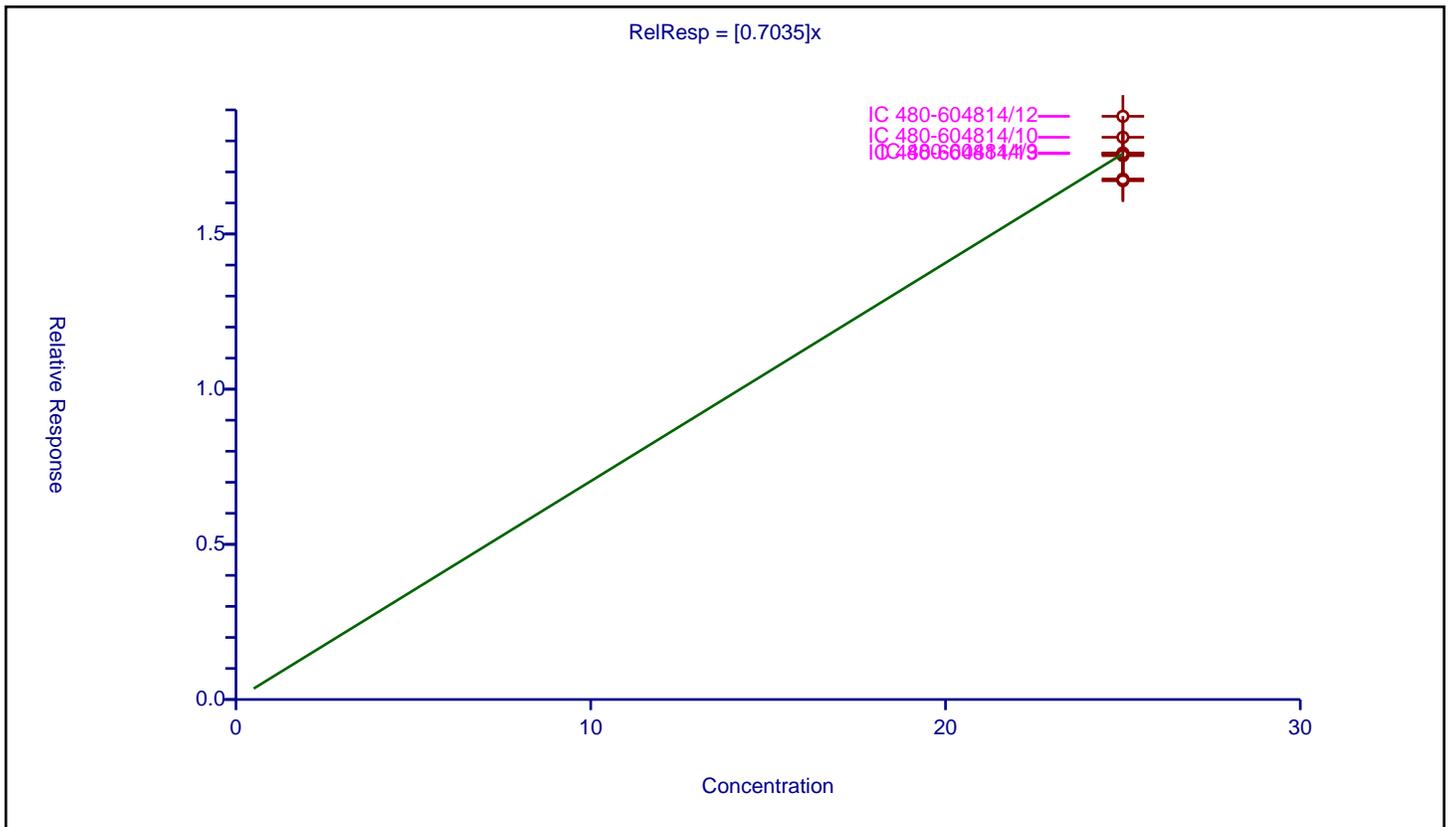
/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7035

Error Coefficients	
Standard Error:	278000
Relative Standard Error:	3.8
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	25.0	16.717224	25.0	345316.0	0.668689	Y
2	IC 480-604814/7	25.0	17.524499	25.0	357665.0	0.70098	Y
3	IC 480-604814/8	25.0	16.772532	25.0	355325.0	0.670901	Y
4	IC 480-604814/9	25.0	17.612434	25.0	366616.0	0.704497	Y
5	IC 480-604814/10	25.0	18.118019	25.0	366704.0	0.724721	Y
6	ICIS 480-604814/11	25.0	17.576823	25.0	375183.0	0.703073	Y
7	IC 480-604814/12	25.0	18.793378	25.0	374326.0	0.751735	Y
8	IC 480-604814/13	25.0	17.592142	25.0	403045.0	0.703686	Y



Calibration

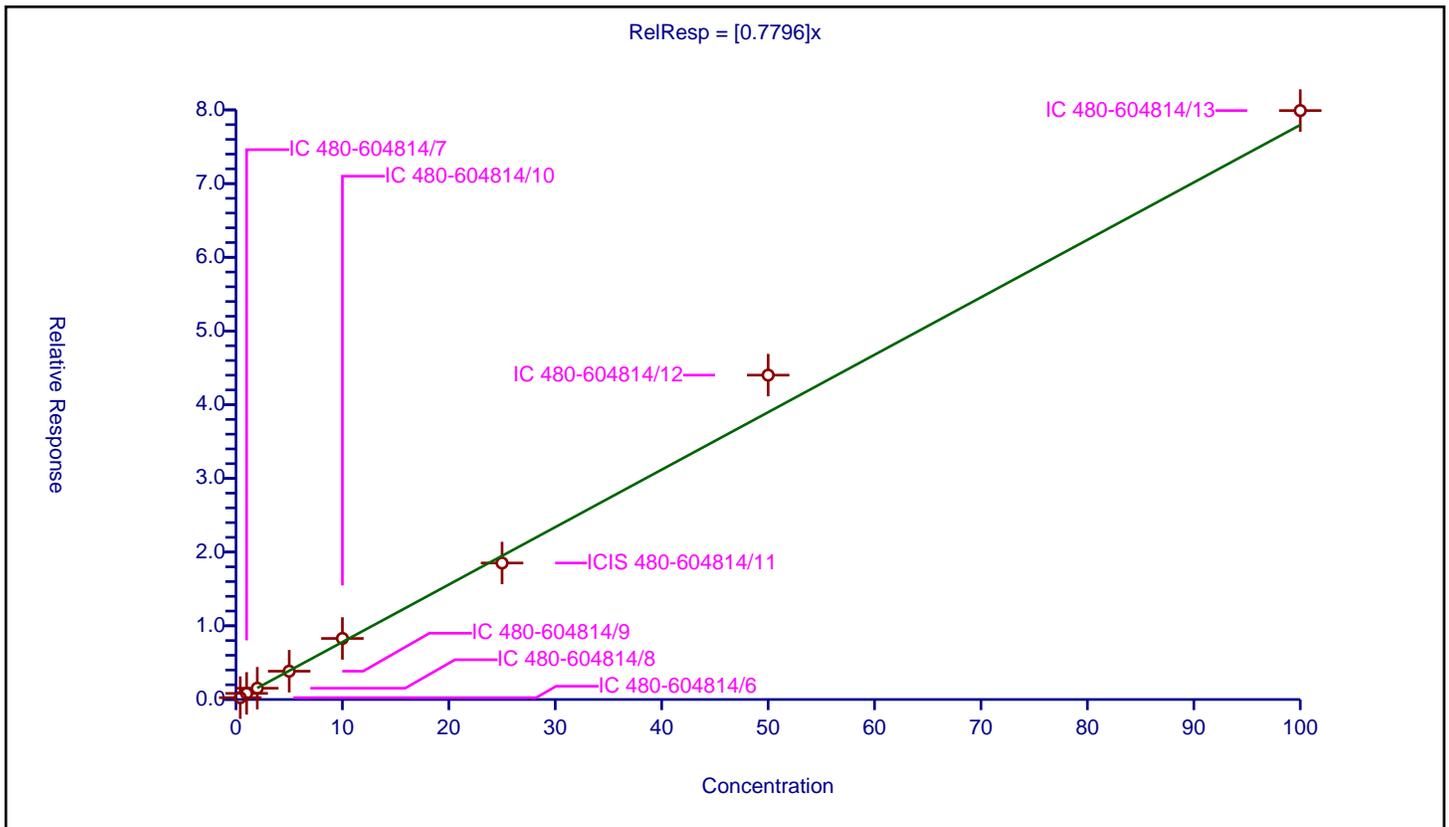
/ Bromobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7796

Error Coefficients	
Standard Error:	560000
Relative Standard Error:	9.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.250649	25.0	362060.0	0.626623	Y
2	IC 480-604814/7	1.0	0.828342	25.0	366998.0	0.828342	Y
3	IC 480-604814/8	2.0	1.529877	25.0	372873.0	0.764939	Y
4	IC 480-604814/9	5.0	3.840523	25.0	375691.0	0.768105	Y
5	IC 480-604814/10	10.0	8.284294	25.0	359916.0	0.828429	Y
6	ICIS 480-604814/11	25.0	18.519873	25.0	393044.0	0.740795	Y
7	IC 480-604814/12	50.0	44.010552	25.0	349690.0	0.880211	Y
8	IC 480-604814/13	100.0	79.907537	25.0	409625.0	0.799075	Y



Calibration

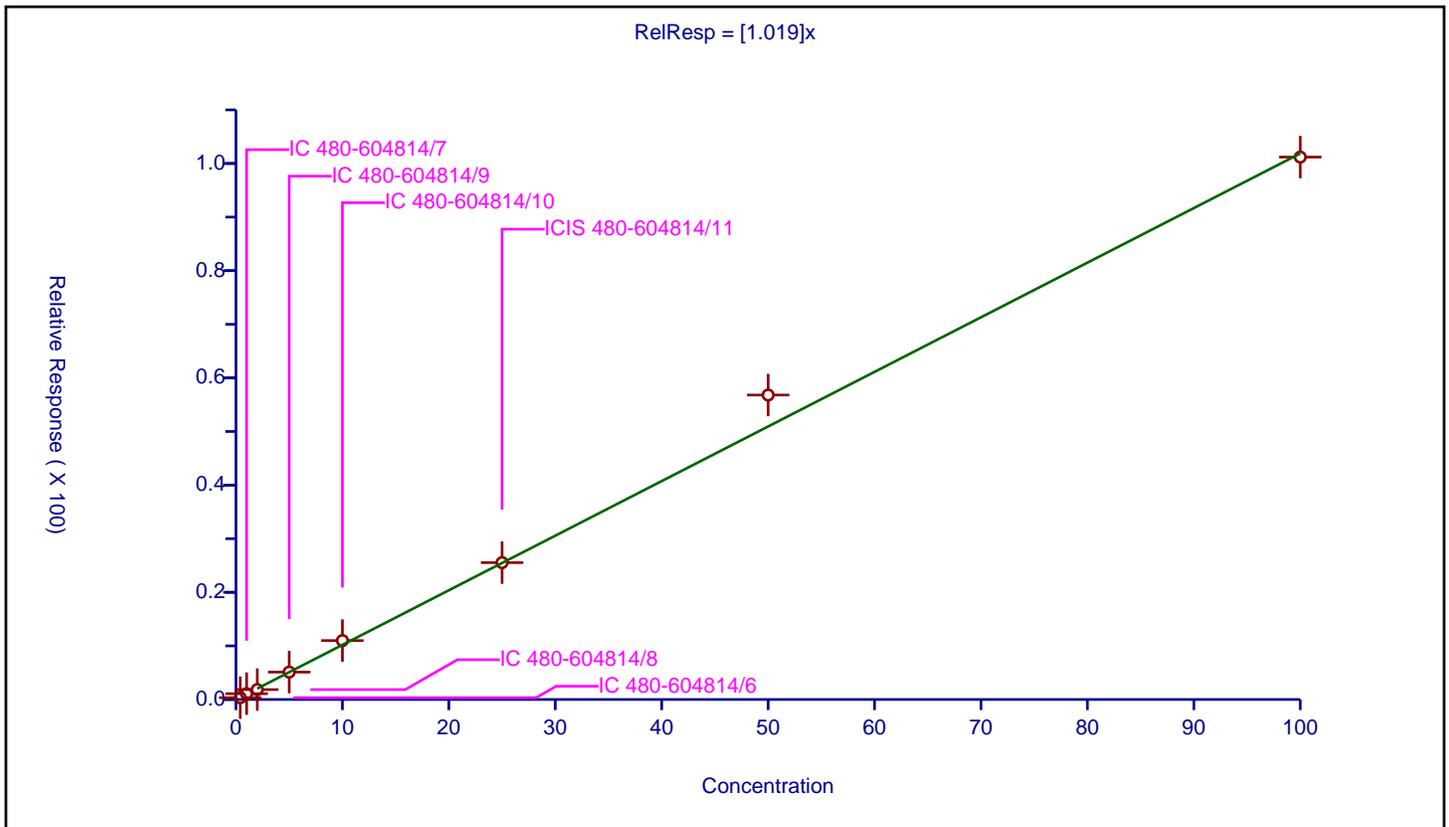
/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.019

Error Coefficients	
Standard Error:	714000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.340137	25.0	362060.0	0.850342	Y
2	IC 480-604814/7	1.0	1.084883	25.0	366998.0	1.084883	Y
3	IC 480-604814/8	2.0	1.845803	25.0	372873.0	0.922901	Y
4	IC 480-604814/9	5.0	5.11411	25.0	375691.0	1.022822	Y
5	IC 480-604814/10	10.0	10.992148	25.0	359916.0	1.099215	Y
6	ICIS 480-604814/11	25.0	25.531874	25.0	393044.0	1.021275	Y
7	IC 480-604814/12	50.0	56.803383	25.0	349690.0	1.136068	Y
8	IC 480-604814/13	100.0	101.193775	25.0	409625.0	1.011938	Y



Calibration

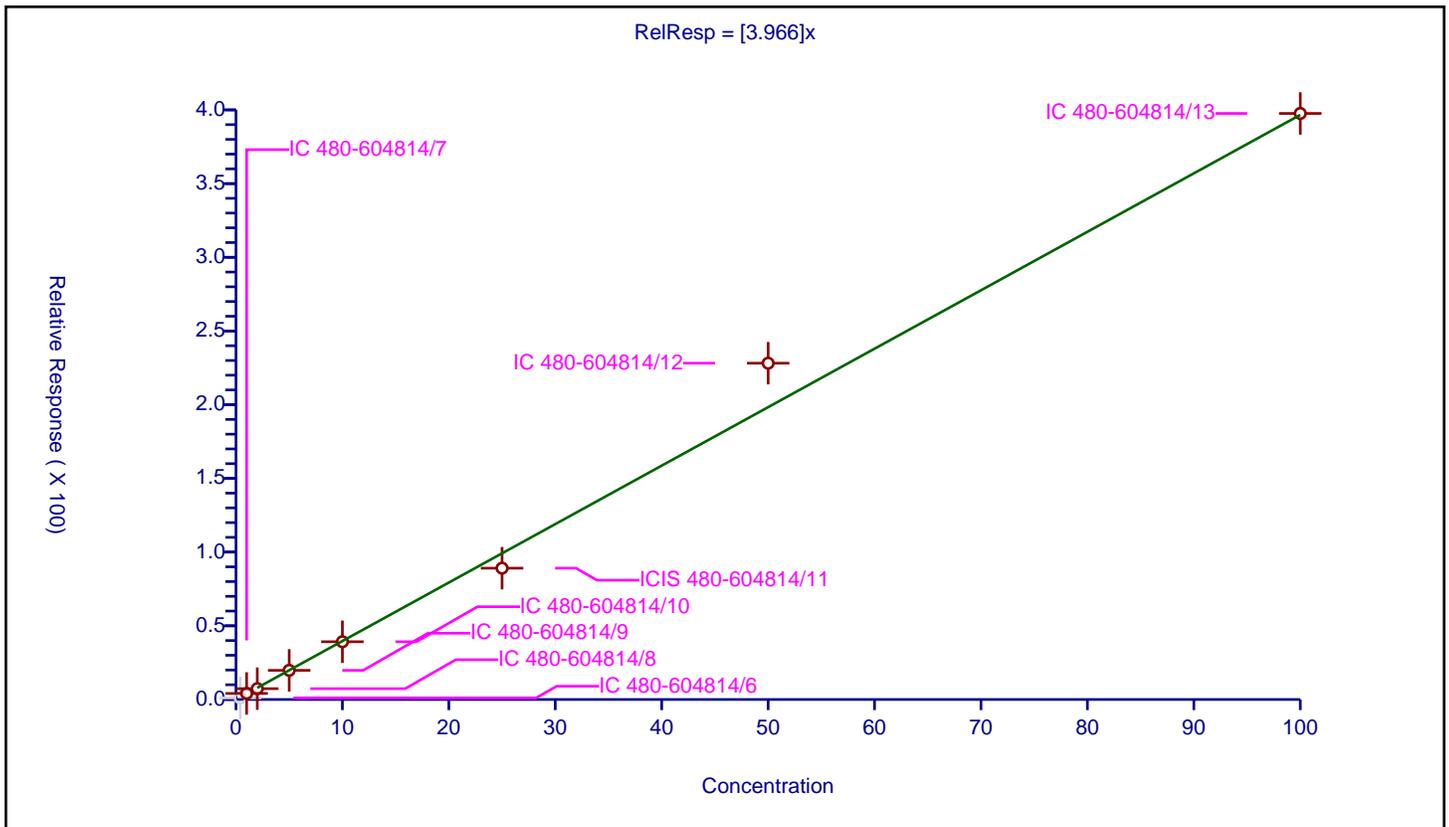
/ N-Propylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.966

Error Coefficients	
Standard Error:	3030000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.062531	25.0	362060.0	2.656328	N
2	IC 480-604814/7	1.0	4.113783	25.0	366998.0	4.113783	Y
3	IC 480-604814/8	2.0	7.343385	25.0	372873.0	3.671693	Y
4	IC 480-604814/9	5.0	19.785409	25.0	375691.0	3.957082	Y
5	IC 480-604814/10	10.0	39.182129	25.0	359916.0	3.918213	Y
6	ICIS 480-604814/11	25.0	89.08729	25.0	393044.0	3.563492	Y
7	IC 480-604814/12	50.0	228.151649	25.0	349690.0	4.563033	Y
8	IC 480-604814/13	100.0	397.598108	25.0	409625.0	3.975981	Y



Calibration

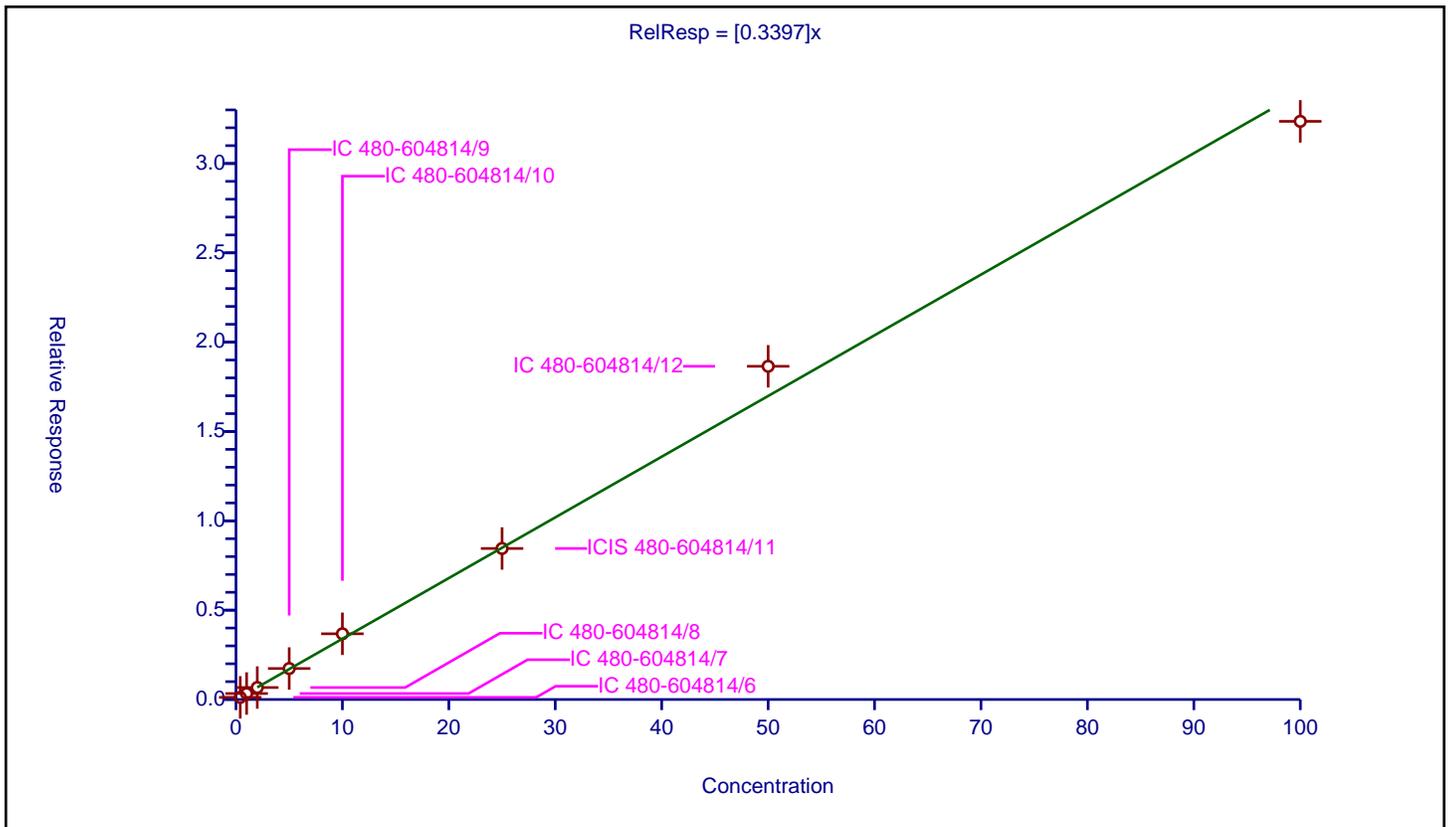
/ 1,2,3-Trichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3397

Error Coefficients	
Standard Error:	230000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.119524	25.0	362060.0	0.298811	Y
2	IC 480-604814/7	1.0	0.334743	25.0	366998.0	0.334743	Y
3	IC 480-604814/8	2.0	0.670134	25.0	372873.0	0.335067	Y
4	IC 480-604814/9	5.0	1.733805	25.0	375691.0	0.346761	Y
5	IC 480-604814/10	10.0	3.678011	25.0	359916.0	0.367801	Y
6	ICIS 480-604814/11	25.0	8.451853	25.0	393044.0	0.338074	Y
7	IC 480-604814/12	50.0	18.649375	25.0	349690.0	0.372988	Y
8	IC 480-604814/13	100.0	32.358804	25.0	409625.0	0.323588	Y



Calibration

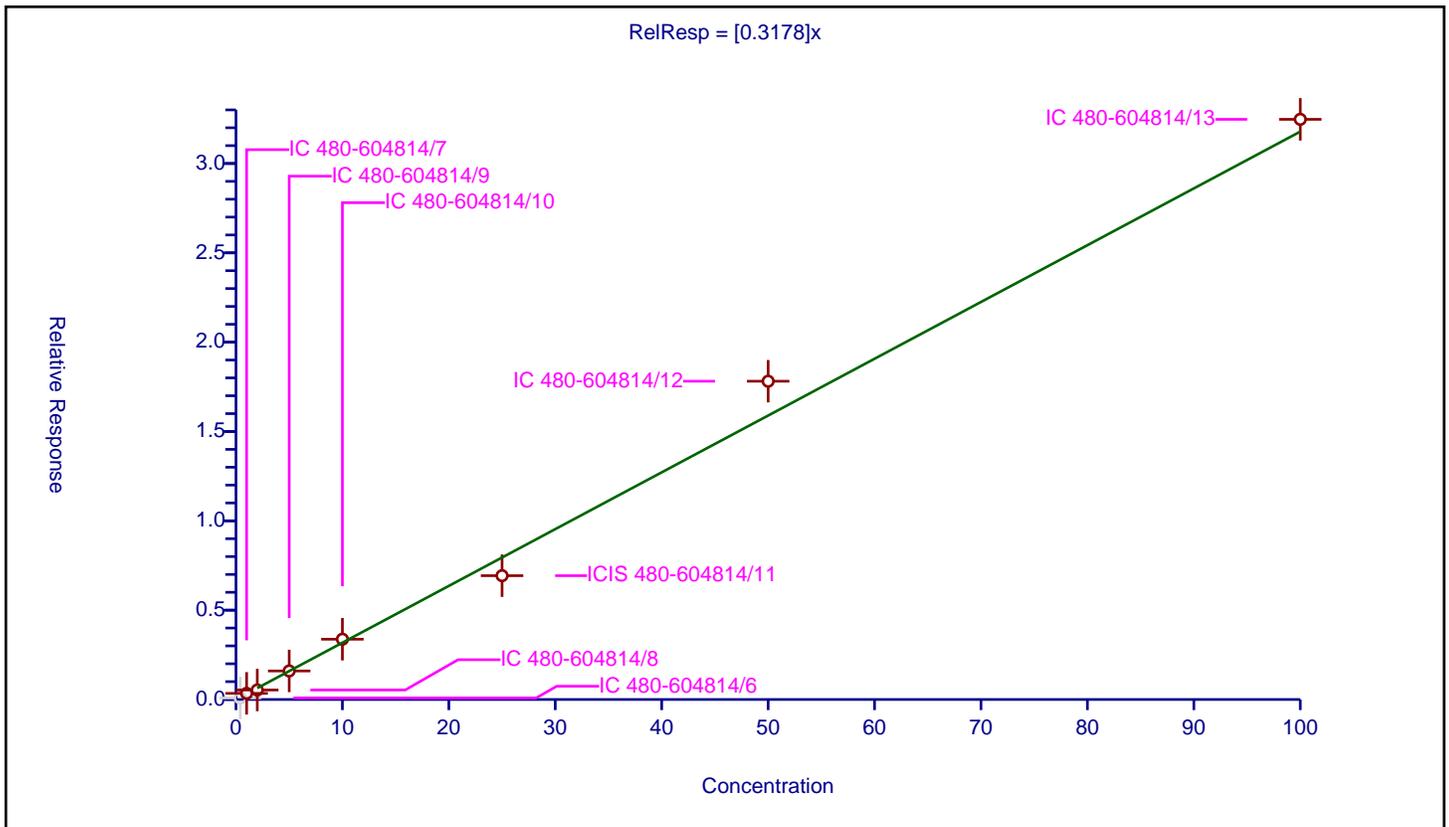
/ trans-1,4-Dichloro-2-butene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3178

Error Coefficients	
Standard Error:	245000
Relative Standard Error:	10.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.085414	25.0	362060.0	0.213535	N
2	IC 480-604814/7	1.0	0.343939	25.0	366998.0	0.343939	Y
3	IC 480-604814/8	2.0	0.531615	25.0	372873.0	0.265808	Y
4	IC 480-604814/9	5.0	1.597456	25.0	375691.0	0.319491	Y
5	IC 480-604814/10	10.0	3.374676	25.0	359916.0	0.337468	Y
6	ICIS 480-604814/11	25.0	6.930013	25.0	393044.0	0.277201	Y
7	IC 480-604814/12	50.0	17.813206	25.0	349690.0	0.356264	Y
8	IC 480-604814/13	100.0	32.471773	25.0	409625.0	0.324718	Y



Calibration

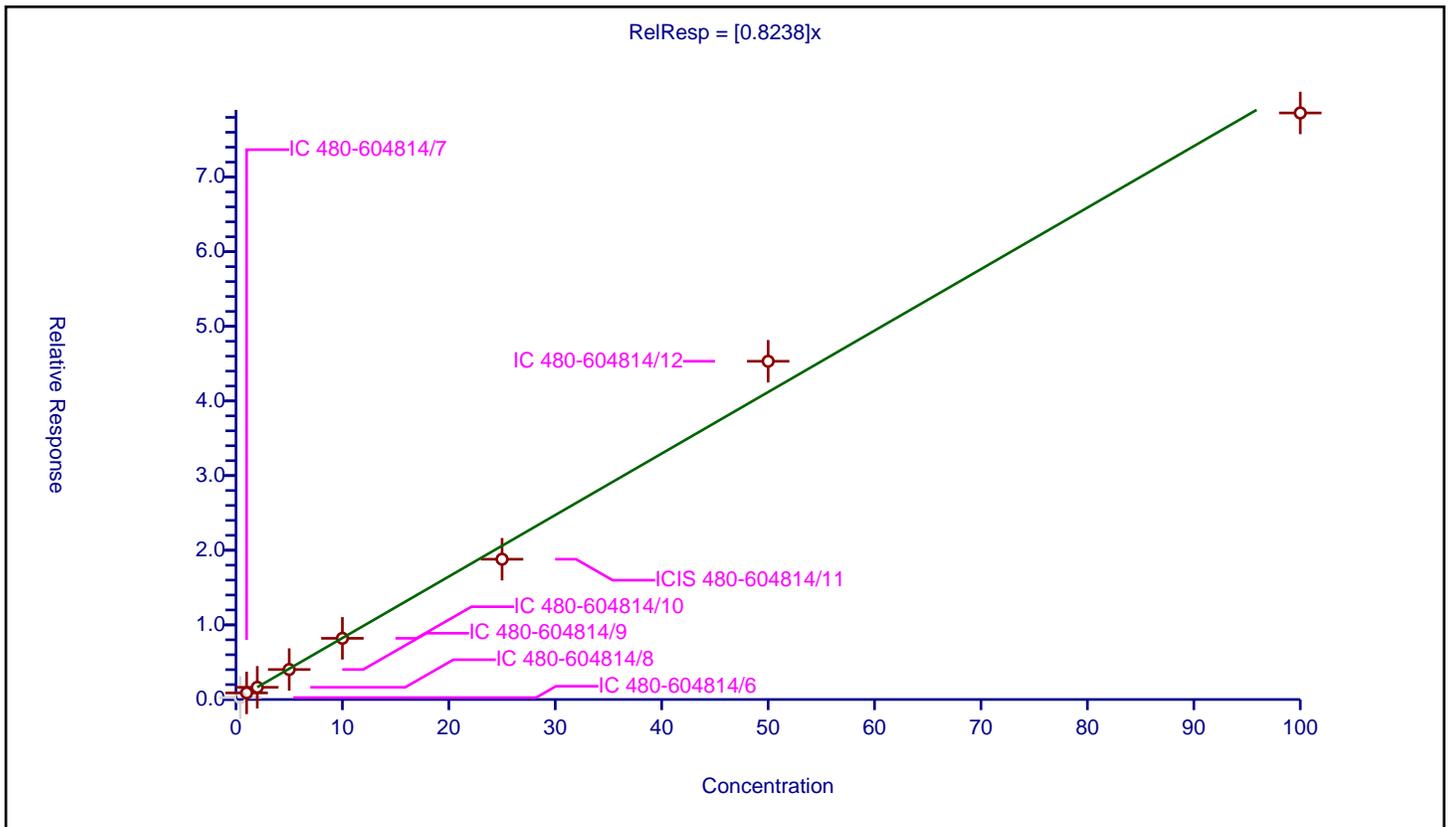
/ 2-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8238

Error Coefficients	
Standard Error:	601000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.258521	25.0	362060.0	0.646302	N
2	IC 480-604814/7	1.0	0.881885	25.0	366998.0	0.881885	Y
3	IC 480-604814/8	2.0	1.634672	25.0	372873.0	0.817336	Y
4	IC 480-604814/9	5.0	4.017996	25.0	375691.0	0.803599	Y
5	IC 480-604814/10	10.0	8.196913	25.0	359916.0	0.819691	Y
6	ICIS 480-604814/11	25.0	18.796878	25.0	393044.0	0.751875	Y
7	IC 480-604814/12	50.0	45.319068	25.0	349690.0	0.906381	Y
8	IC 480-604814/13	100.0	78.587672	25.0	409625.0	0.785877	Y



Calibration

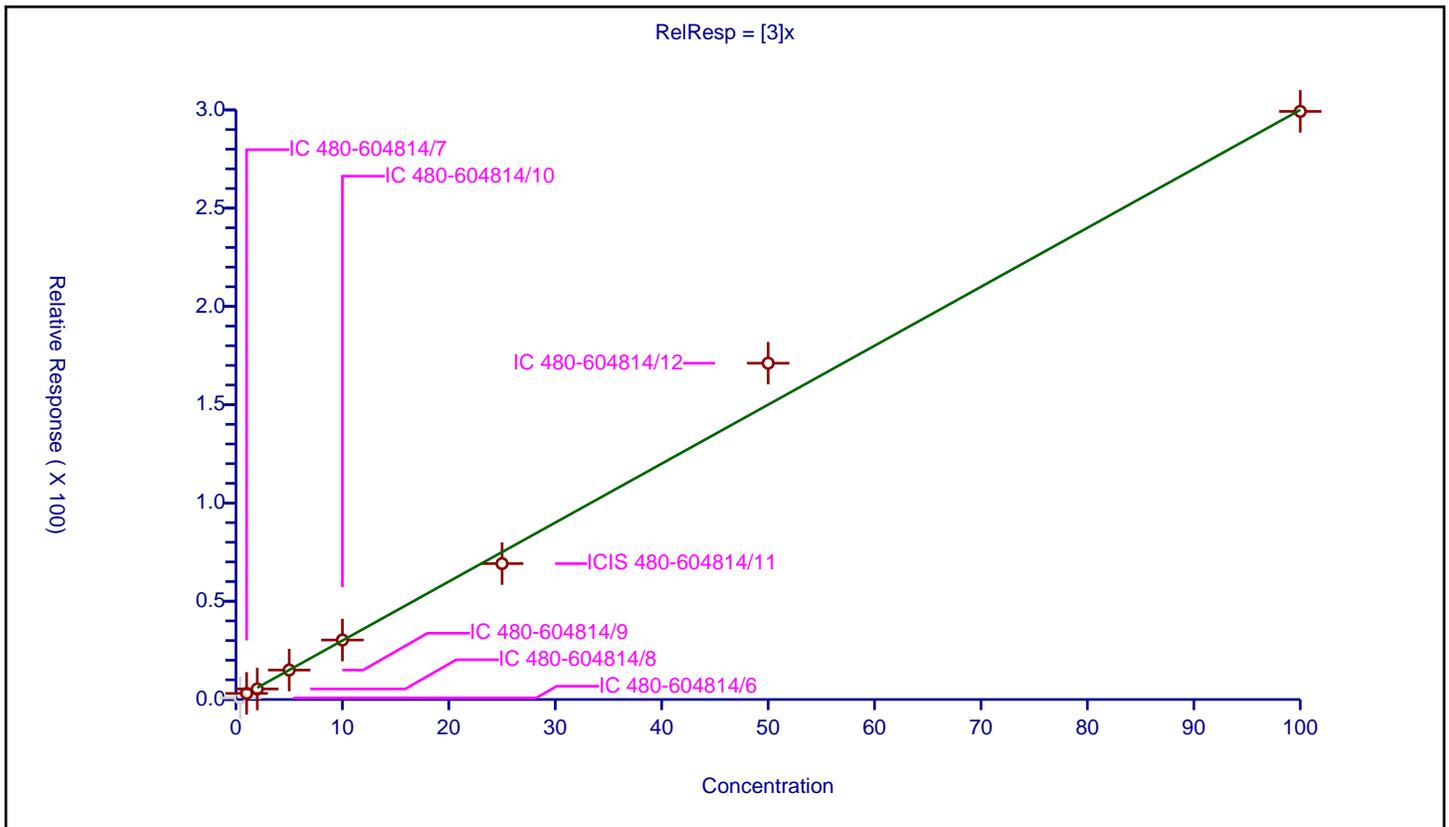
/ 1,3,5-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3

Error Coefficients	
Standard Error:	2280000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.794827	25.0	362060.0	1.987067	N
2	IC 480-604814/7	1.0	3.115276	25.0	366998.0	3.115276	Y
3	IC 480-604814/8	2.0	5.357253	25.0	372873.0	2.678627	Y
4	IC 480-604814/9	5.0	14.988049	25.0	375691.0	2.99761	Y
5	IC 480-604814/10	10.0	30.274078	25.0	359916.0	3.027408	Y
6	ICIS 480-604814/11	25.0	69.146457	25.0	393044.0	2.765858	Y
7	IC 480-604814/12	50.0	171.12278	25.0	349690.0	3.422456	Y
8	IC 480-604814/13	100.0	299.249069	25.0	409625.0	2.992491	Y



Calibration

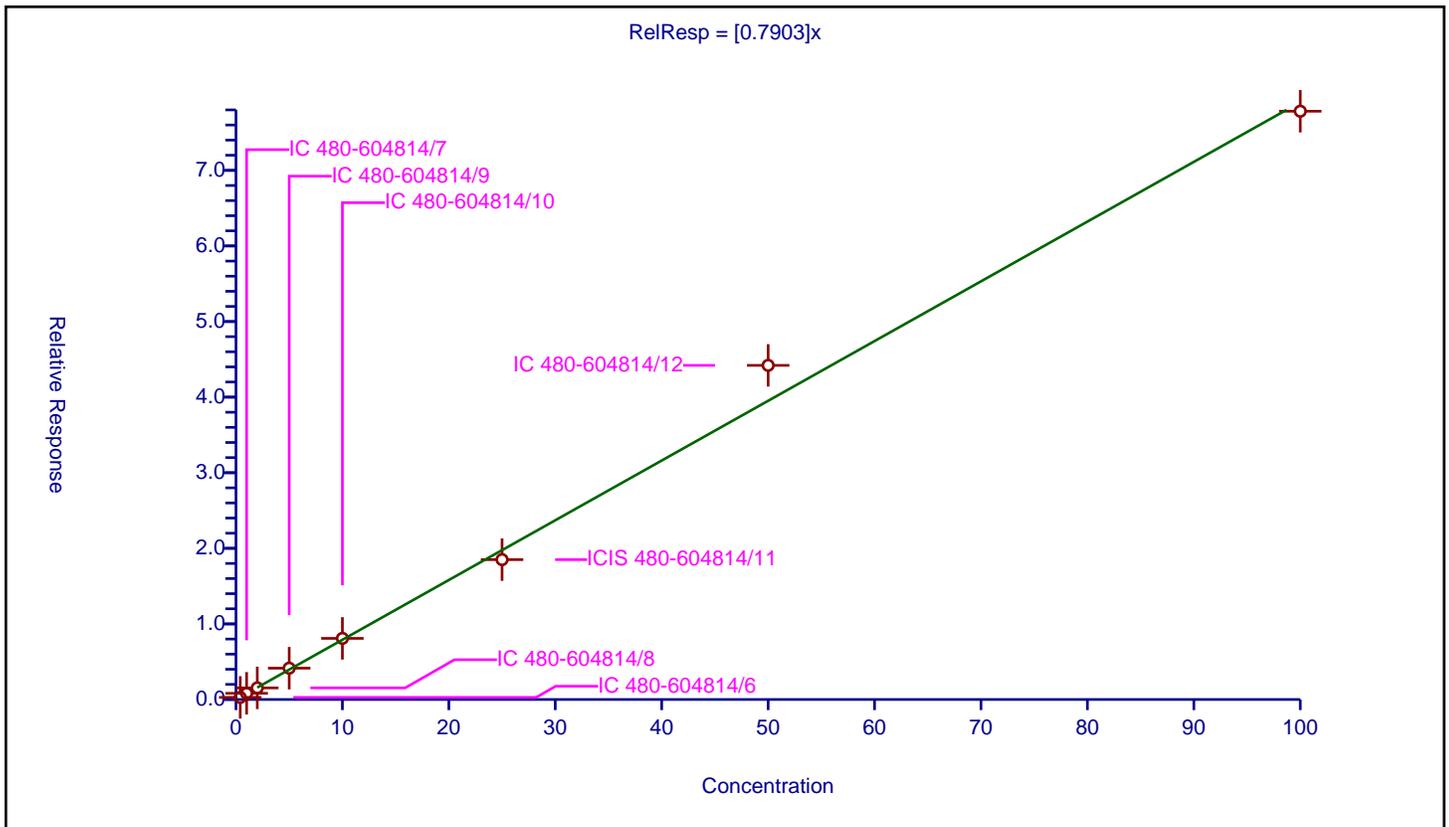
/ 4-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7903

Error Coefficients	
Standard Error:	549000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.279305	25.0	362060.0	0.698261	Y
2	IC 480-604814/7	1.0	0.817579	25.0	366998.0	0.817579	Y
3	IC 480-604814/8	2.0	1.533096	25.0	372873.0	0.766548	Y
4	IC 480-604814/9	5.0	4.142899	25.0	375691.0	0.82858	Y
5	IC 480-604814/10	10.0	8.08654	25.0	359916.0	0.808654	Y
6	ICIS 480-604814/11	25.0	18.502954	25.0	393044.0	0.740118	Y
7	IC 480-604814/12	50.0	44.203795	25.0	349690.0	0.884076	Y
8	IC 480-604814/13	100.0	77.824962	25.0	409625.0	0.77825	Y



Calibration

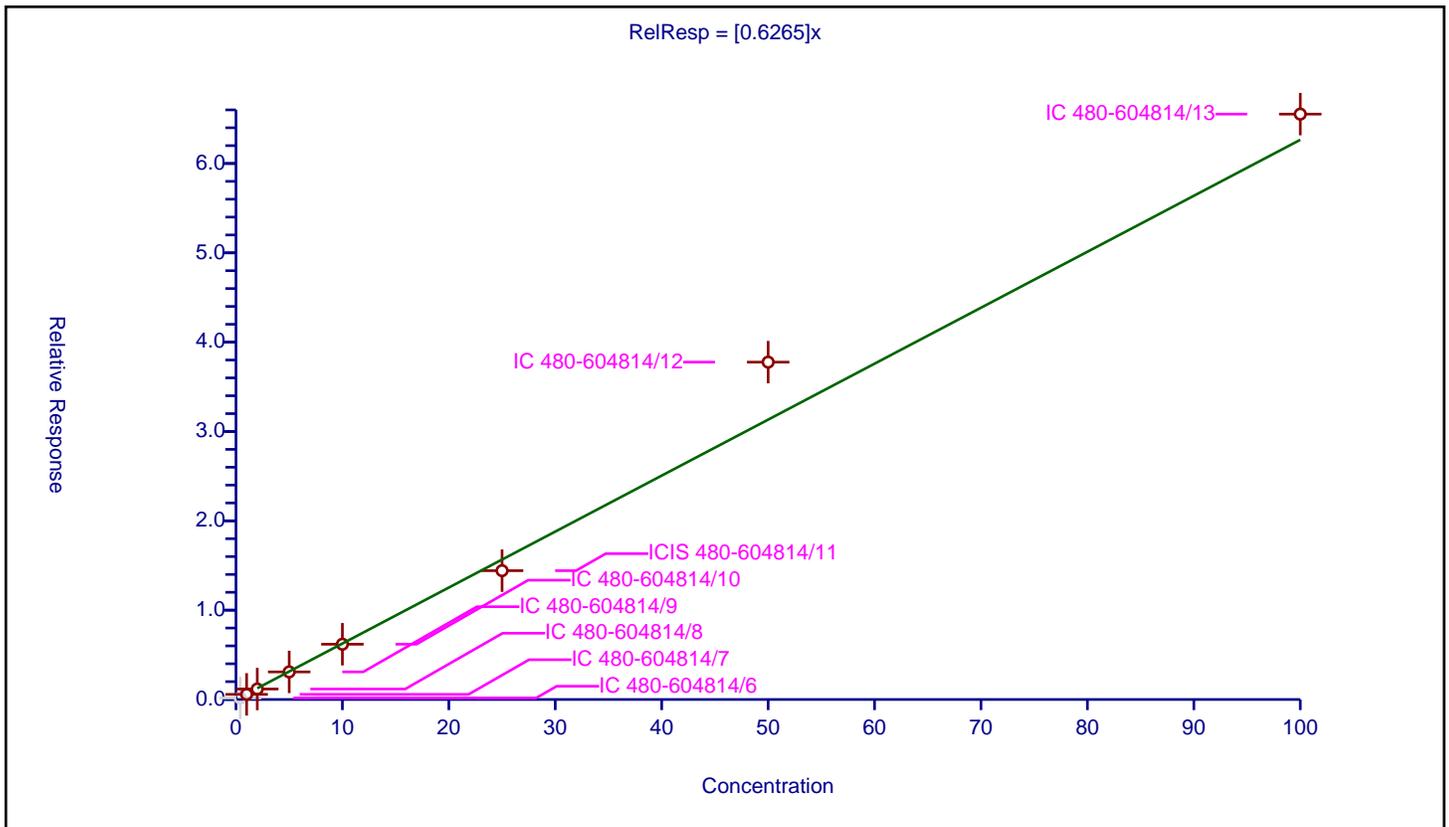
/ tert-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6265

Error Coefficients	
Standard Error:	499000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.171864	25.0	362060.0	0.429659	N
2	IC 480-604814/7	1.0	0.575344	25.0	366998.0	0.575344	Y
3	IC 480-604814/8	2.0	1.173054	25.0	372873.0	0.586527	Y
4	IC 480-604814/9	5.0	3.087977	25.0	375691.0	0.617595	Y
5	IC 480-604814/10	10.0	6.187277	25.0	359916.0	0.618728	Y
6	ICIS 480-604814/11	25.0	14.419251	25.0	393044.0	0.57677	Y
7	IC 480-604814/12	50.0	37.765592	25.0	349690.0	0.755312	Y
8	IC 480-604814/13	100.0	65.528593	25.0	409625.0	0.655286	Y



Calibration

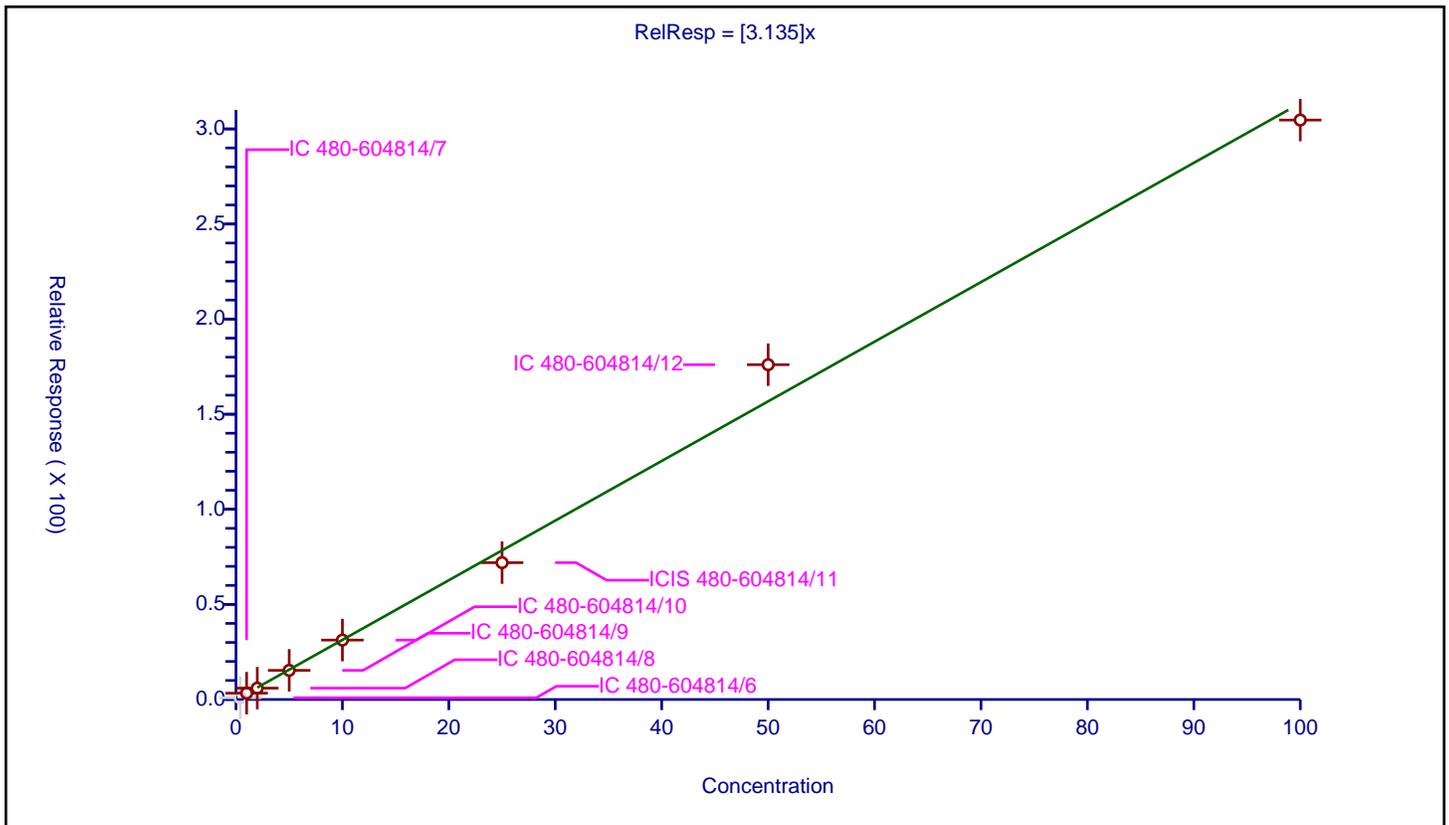
/ 1,2,4-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.135

Error Coefficients	
Standard Error:	2330000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.892946	25.0	362060.0	2.232365	N
2	IC 480-604814/7	1.0	3.323451	25.0	366998.0	3.323451	Y
3	IC 480-604814/8	2.0	5.977035	25.0	372873.0	2.988518	Y
4	IC 480-604814/9	5.0	15.322566	25.0	375691.0	3.064513	Y
5	IC 480-604814/10	10.0	31.24361	25.0	359916.0	3.124361	Y
6	ICIS 480-604814/11	25.0	71.938002	25.0	393044.0	2.87752	Y
7	IC 480-604814/12	50.0	176.033344	25.0	349690.0	3.520667	Y
8	IC 480-604814/13	100.0	304.656149	25.0	409625.0	3.046561	Y



Calibration

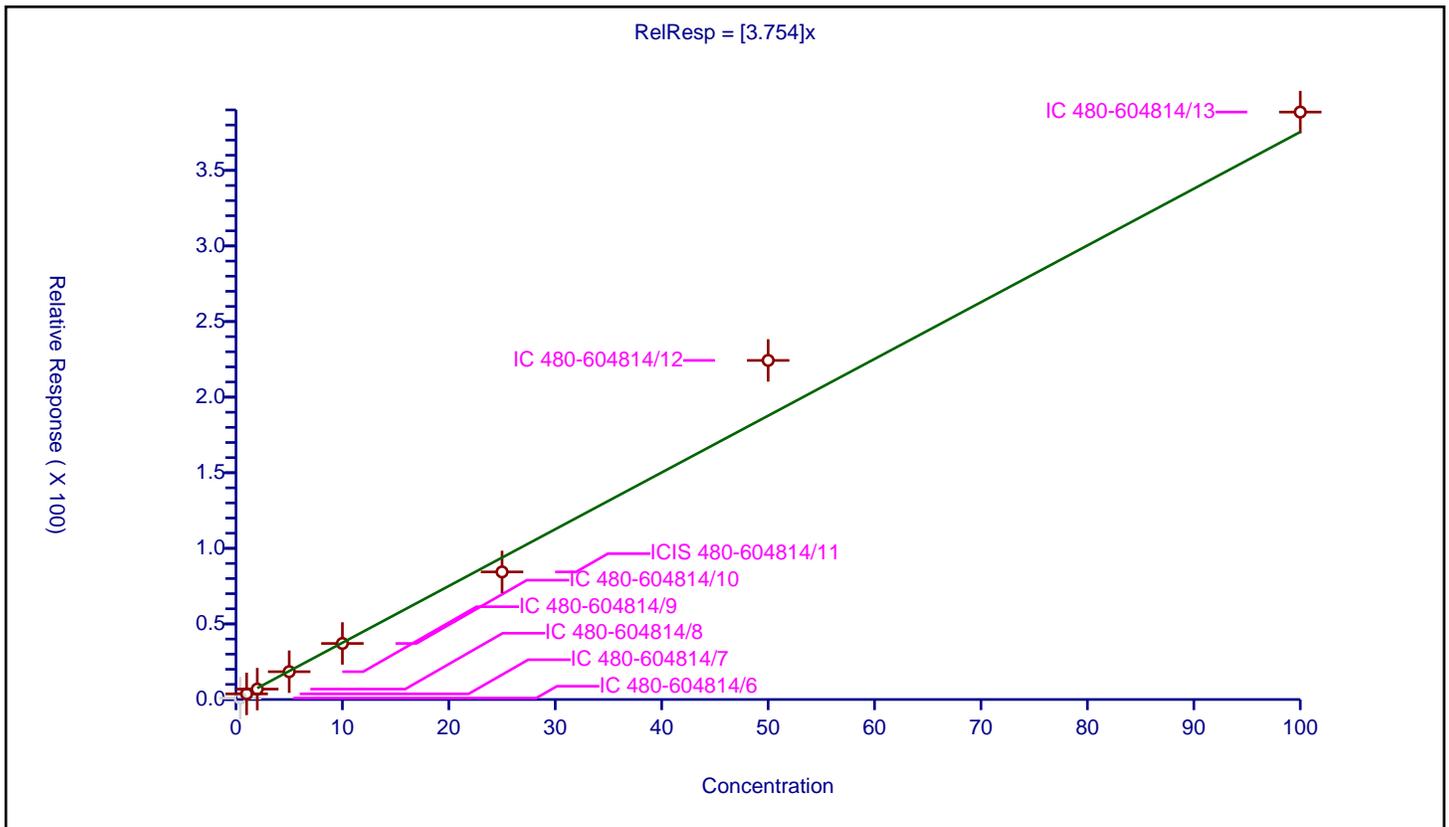
/ sec-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.754

Error Coefficients	
Standard Error:	2960000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.915663	25.0	362060.0	2.289158	N
2	IC 480-604814/7	1.0	3.705879	25.0	366998.0	3.705879	Y
3	IC 480-604814/8	2.0	6.885119	25.0	372873.0	3.44256	Y
4	IC 480-604814/9	5.0	18.382261	25.0	375691.0	3.676452	Y
5	IC 480-604814/10	10.0	37.065107	25.0	359916.0	3.706511	Y
6	ICIS 480-604814/11	25.0	84.383046	25.0	393044.0	3.375322	Y
7	IC 480-604814/12	50.0	224.302382	25.0	349690.0	4.486048	Y
8	IC 480-604814/13	100.0	388.566921	25.0	409625.0	3.885669	Y



Calibration

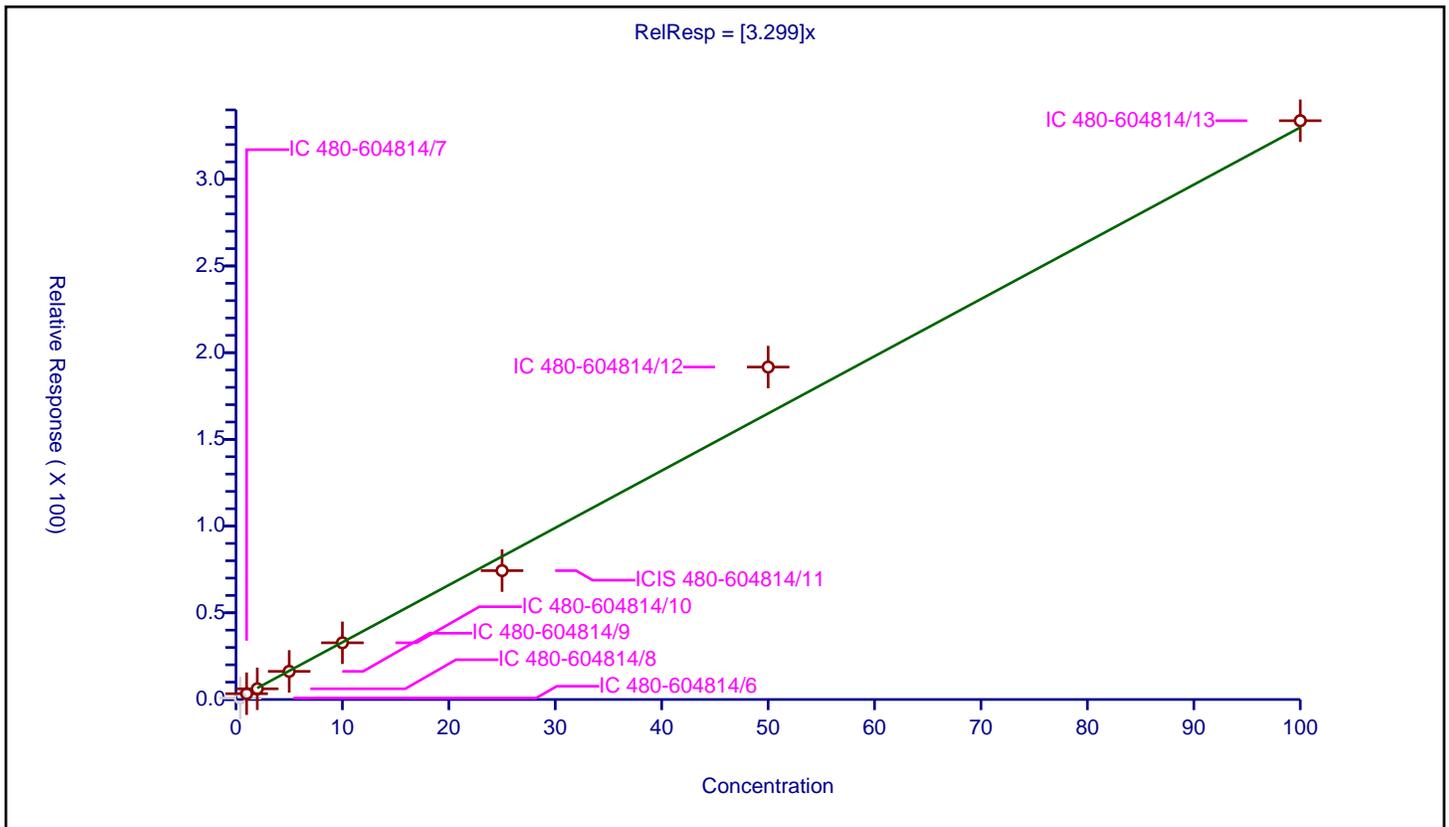
/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.299

Error Coefficients	
Standard Error:	2540000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.855314	25.0	362060.0	2.138285	N
2	IC 480-604814/7	1.0	3.344364	25.0	366998.0	3.344364	Y
3	IC 480-604814/8	2.0	6.176567	25.0	372873.0	3.088283	Y
4	IC 480-604814/9	5.0	16.226766	25.0	375691.0	3.245353	Y
5	IC 480-604814/10	10.0	32.703117	25.0	359916.0	3.270312	Y
6	ICIS 480-604814/11	25.0	74.304912	25.0	393044.0	2.972196	Y
7	IC 480-604814/12	50.0	191.705868	25.0	349690.0	3.834117	Y
8	IC 480-604814/13	100.0	333.758499	25.0	409625.0	3.337585	Y



Calibration

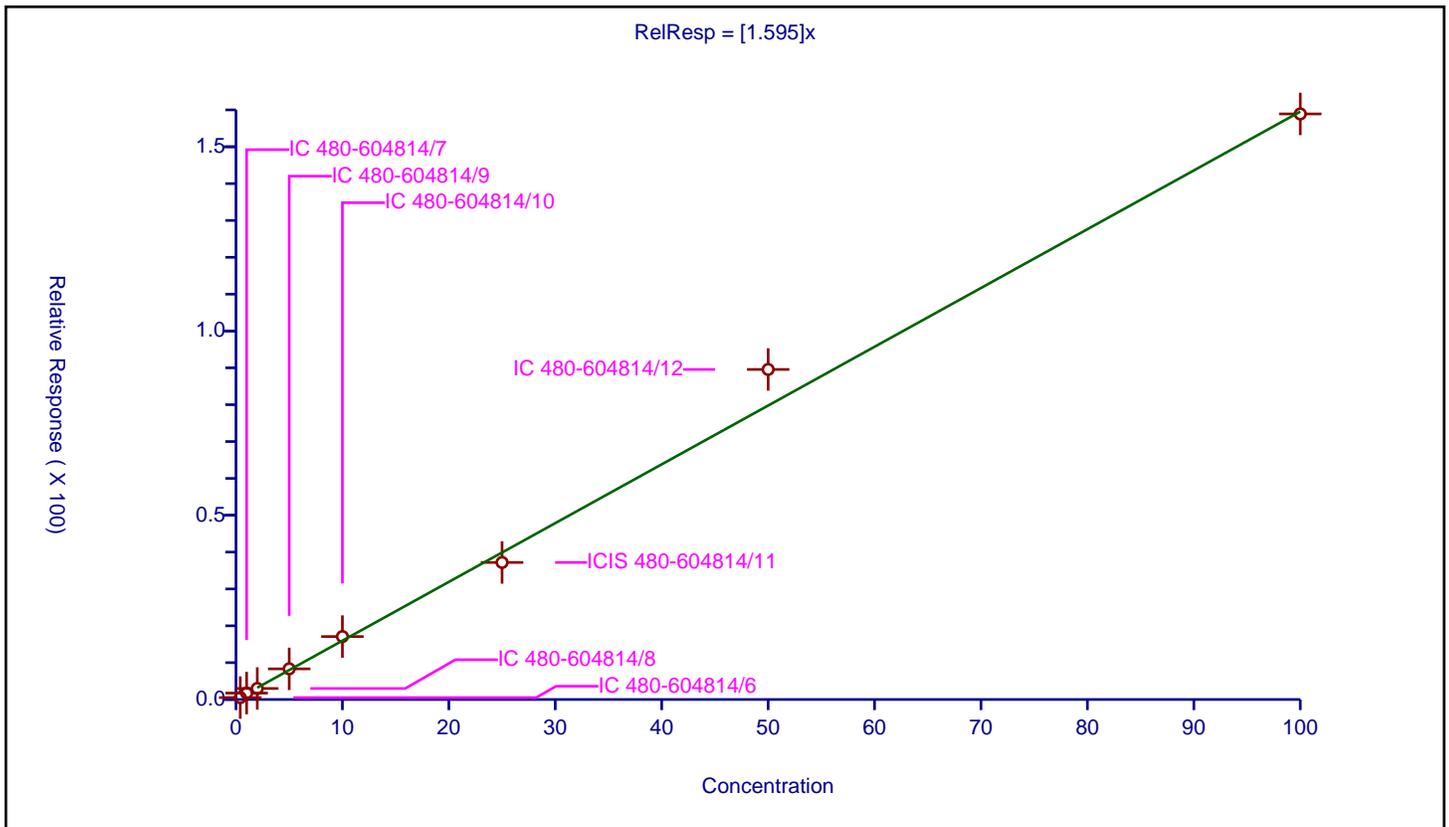
/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.595

Error Coefficients	
Standard Error:	1120000
Relative Standard Error:	10.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.517179	25.0	362060.0	1.292949	Y
2	IC 480-604814/7	1.0	1.735023	25.0	366998.0	1.735023	Y
3	IC 480-604814/8	2.0	2.990764	25.0	372873.0	1.495382	Y
4	IC 480-604814/9	5.0	8.316143	25.0	375691.0	1.663229	Y
5	IC 480-604814/10	10.0	17.07579	25.0	359916.0	1.707579	Y
6	ICIS 480-604814/11	25.0	37.192464	25.0	393044.0	1.487699	Y
7	IC 480-604814/12	50.0	89.565758	25.0	349690.0	1.791315	Y
8	IC 480-604814/13	100.0	158.90888	25.0	409625.0	1.589089	Y



Calibration

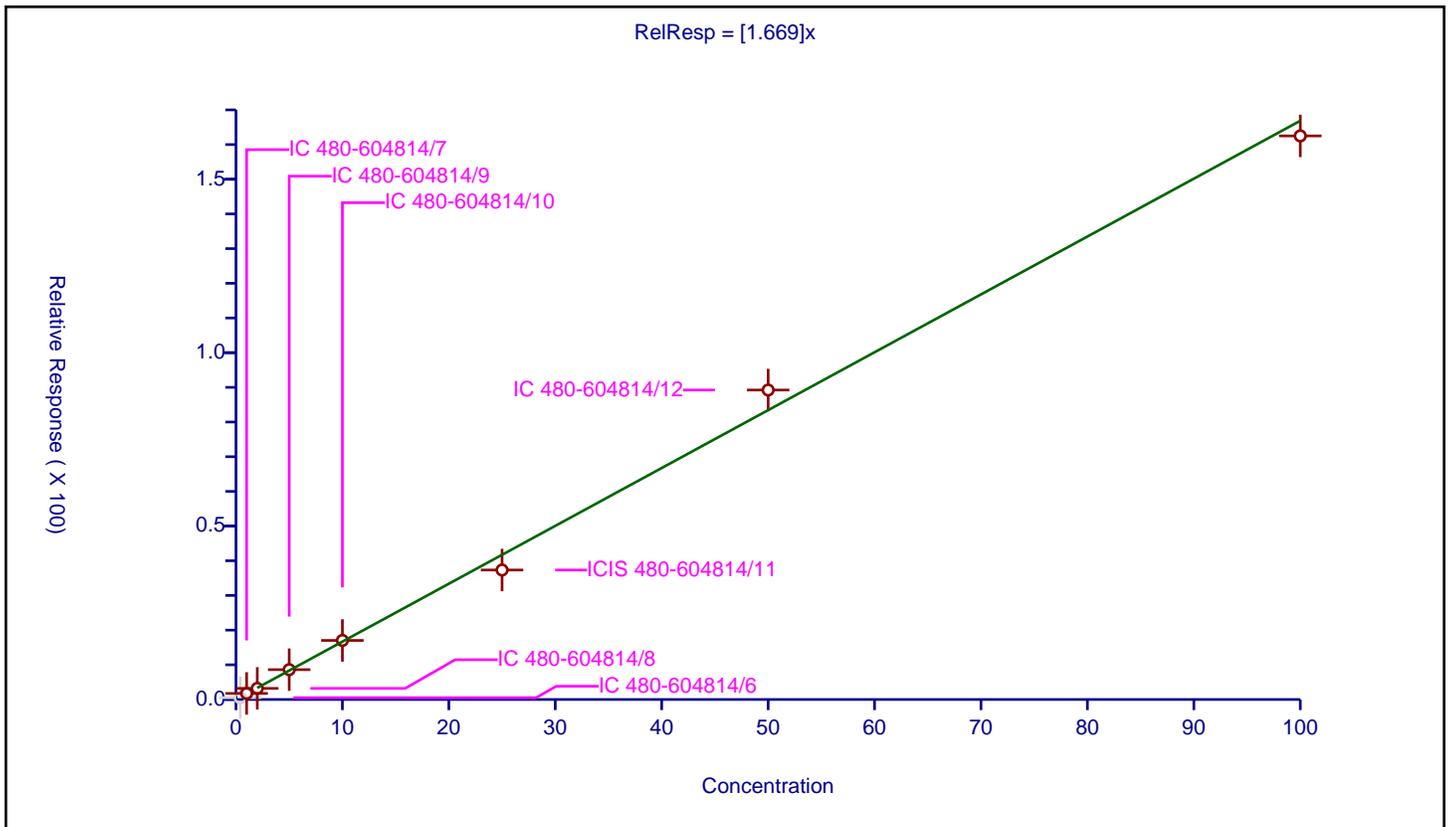
/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.669

Error Coefficients	
Standard Error:	1230000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.519044	25.0	362060.0	1.29761	N
2	IC 480-604814/7	1.0	1.748647	25.0	366998.0	1.748647	Y
3	IC 480-604814/8	2.0	3.208666	25.0	372873.0	1.604333	Y
4	IC 480-604814/9	5.0	8.604478	25.0	375691.0	1.720896	Y
5	IC 480-604814/10	10.0	17.03203	25.0	359916.0	1.703203	Y
6	ICIS 480-604814/11	25.0	37.33278	25.0	393044.0	1.493311	Y
7	IC 480-604814/12	50.0	89.226315	25.0	349690.0	1.784526	Y
8	IC 480-604814/13	100.0	162.503204	25.0	409625.0	1.625032	Y



Calibration

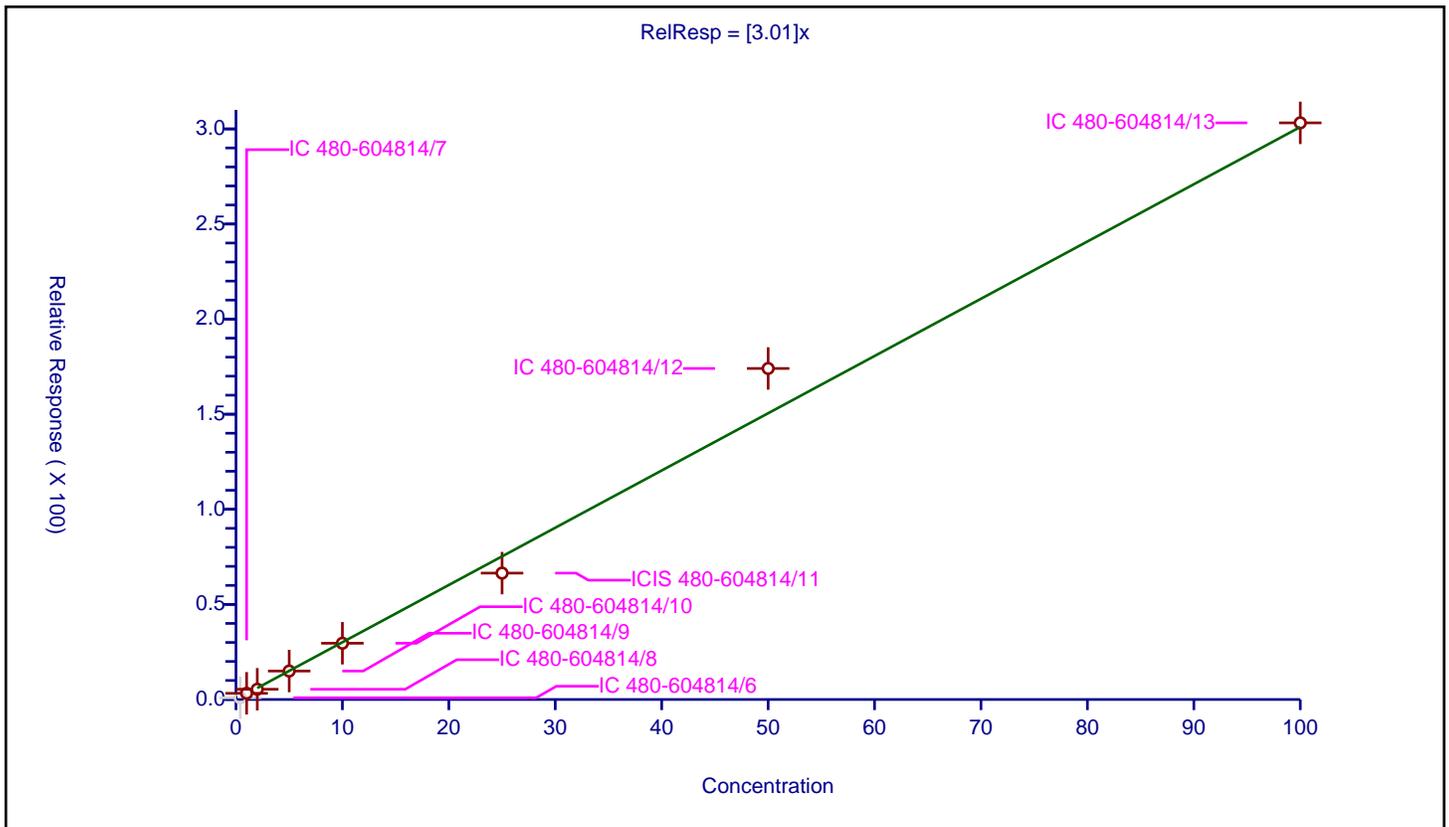
/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.01

Error Coefficients	
Standard Error:	2310000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.893775	25.0	362060.0	2.234436	N
2	IC 480-604814/7	1.0	3.257647	25.0	366998.0	3.257647	Y
3	IC 480-604814/8	2.0	5.385212	25.0	372873.0	2.692606	Y
4	IC 480-604814/9	5.0	14.959235	25.0	375691.0	2.991847	Y
5	IC 480-604814/10	10.0	29.575095	25.0	359916.0	2.95751	Y
6	ICIS 480-604814/11	25.0	66.451084	25.0	393044.0	2.658043	Y
7	IC 480-604814/12	50.0	174.045154	25.0	349690.0	3.480903	Y
8	IC 480-604814/13	100.0	303.18401	25.0	409625.0	3.03184	Y



Calibration

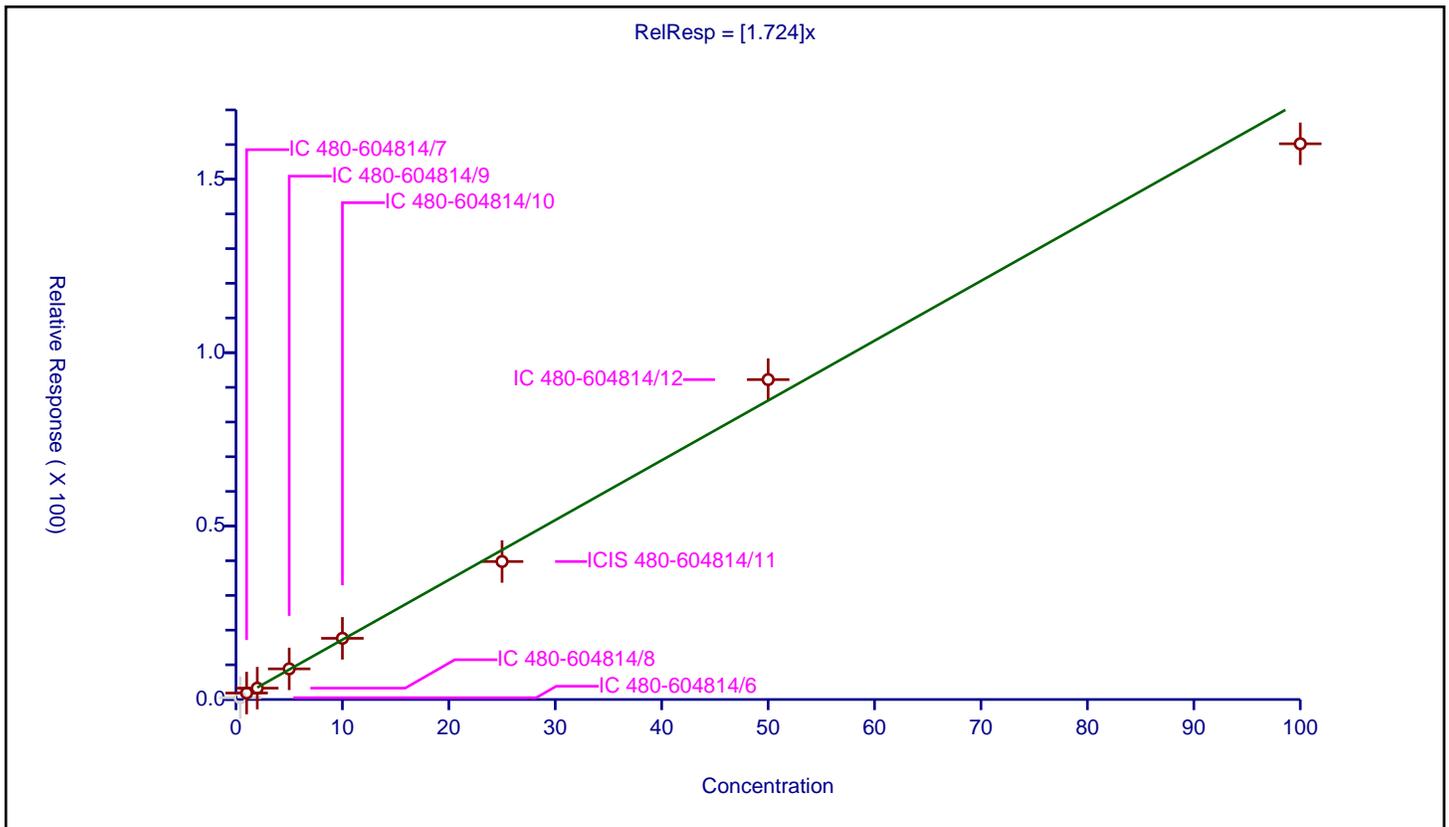
/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.724

Error Coefficients	
Standard Error:	1230000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.508203	25.0	362060.0	1.270508	N
2	IC 480-604814/7	1.0	1.860364	25.0	366998.0	1.860364	Y
3	IC 480-604814/8	2.0	3.277322	25.0	372873.0	1.638661	Y
4	IC 480-604814/9	5.0	8.835852	25.0	375691.0	1.76717	Y
5	IC 480-604814/10	10.0	17.643145	25.0	359916.0	1.764314	Y
6	ICIS 480-604814/11	25.0	39.780597	25.0	393044.0	1.591224	Y
7	IC 480-604814/12	50.0	92.231905	25.0	349690.0	1.844638	Y
8	IC 480-604814/13	100.0	160.231309	25.0	409625.0	1.602313	Y



Calibration

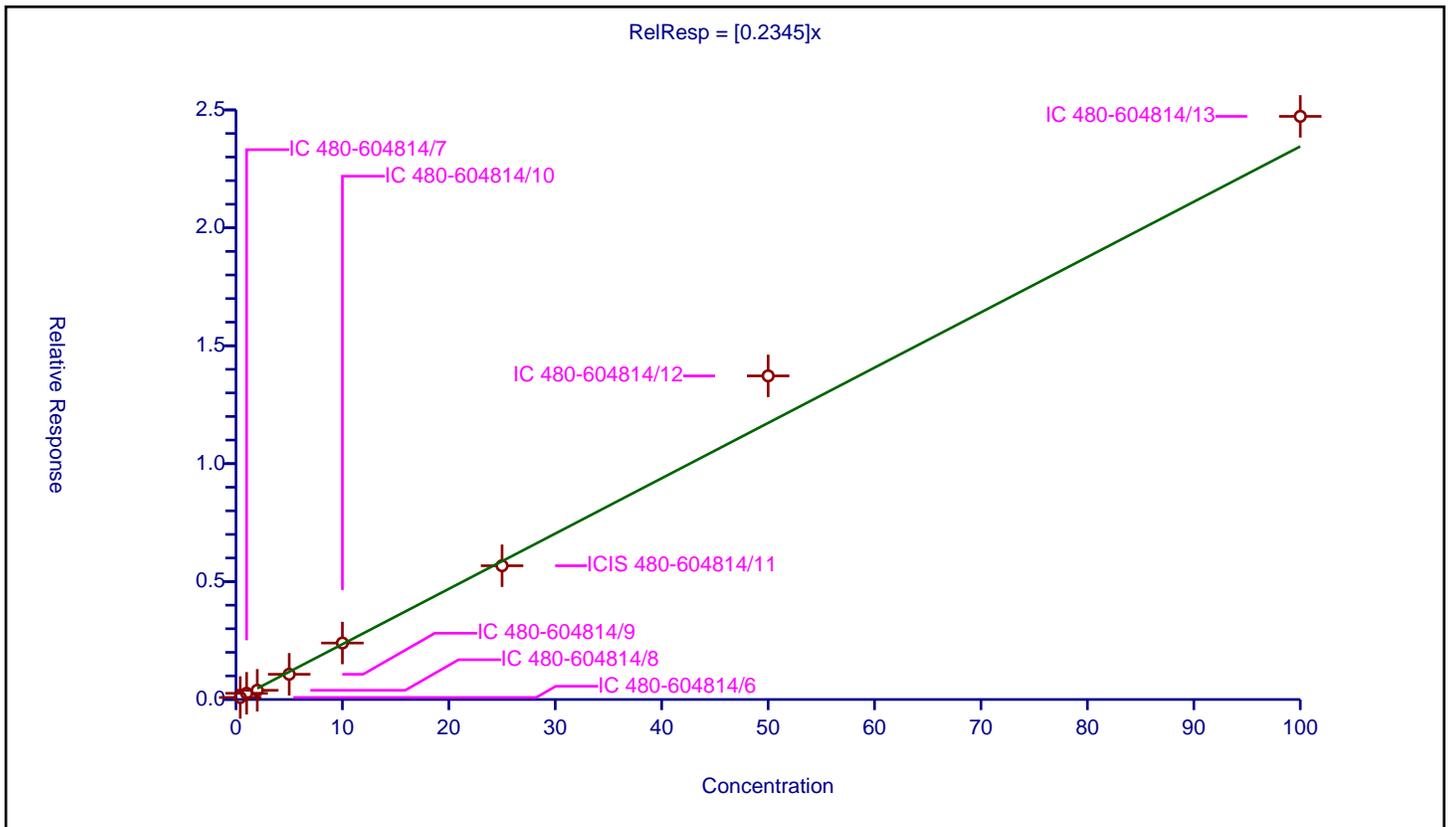
/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2345

Error Coefficients	
Standard Error:	173000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.086243	25.0	362060.0	0.215607	Y
2	IC 480-604814/7	1.0	0.26308	25.0	366998.0	0.26308	Y
3	IC 480-604814/8	2.0	0.39075	25.0	372873.0	0.195375	Y
4	IC 480-604814/9	5.0	1.070095	25.0	375691.0	0.214019	Y
5	IC 480-604814/10	10.0	2.394031	25.0	359916.0	0.239403	Y
6	ICIS 480-604814/11	25.0	5.67182	25.0	393044.0	0.226873	Y
7	IC 480-604814/12	50.0	13.721367	25.0	349690.0	0.274427	Y
8	IC 480-604814/13	100.0	24.726213	25.0	409625.0	0.247262	Y



Calibration

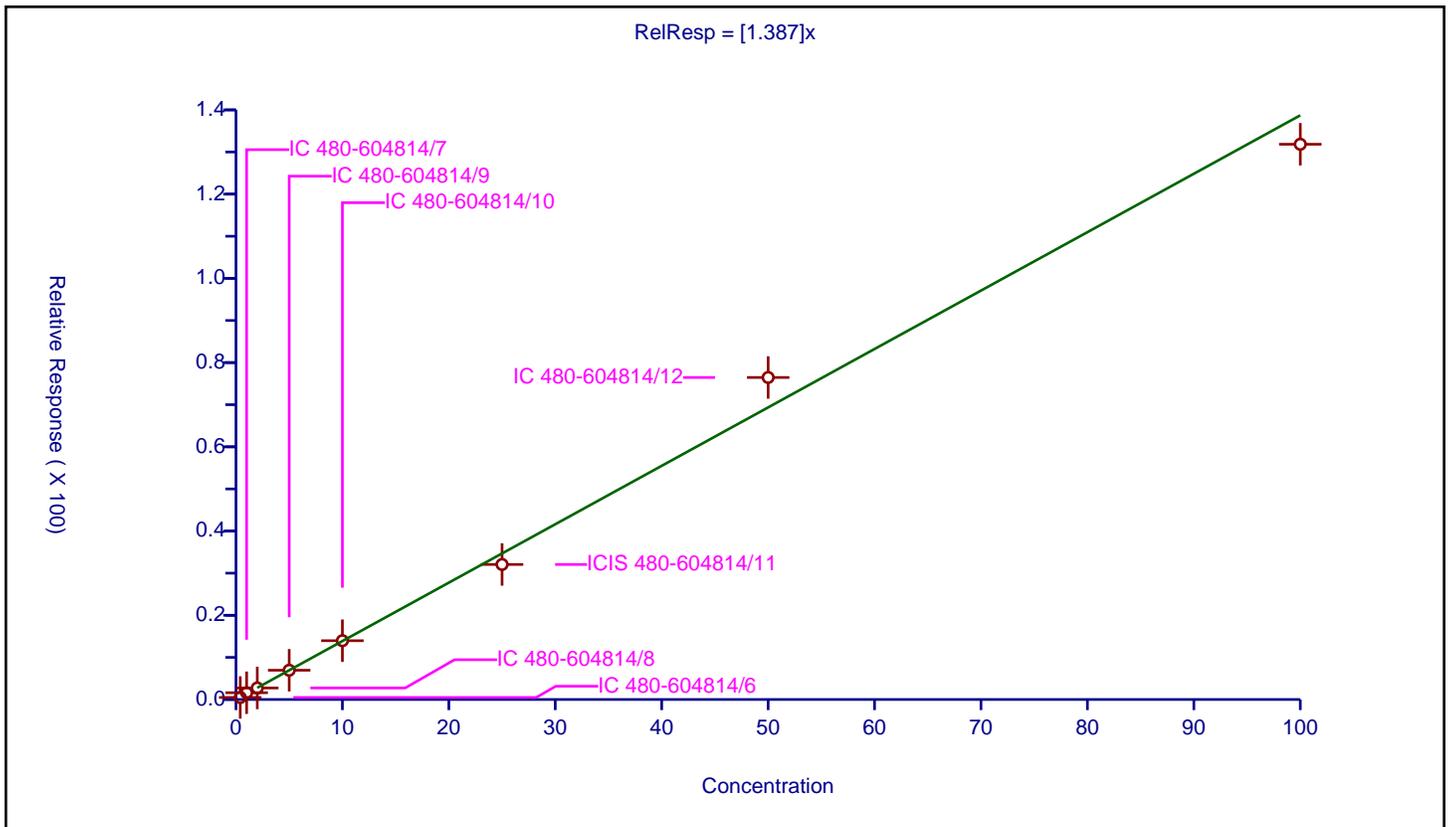
/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.387

Error Coefficients	
Standard Error:	935000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.482448	25.0	362060.0	1.206119	Y
2	IC 480-604814/7	1.0	1.607093	25.0	366998.0	1.607093	Y
3	IC 480-604814/8	2.0	2.736455	25.0	372873.0	1.368227	Y
4	IC 480-604814/9	5.0	6.945468	25.0	375691.0	1.389094	Y
5	IC 480-604814/10	10.0	13.958187	25.0	359916.0	1.395819	Y
6	ICIS 480-604814/11	25.0	32.063141	25.0	393044.0	1.282526	Y
7	IC 480-604814/12	50.0	76.462224	25.0	349690.0	1.529244	Y
8	IC 480-604814/13	100.0	131.842722	25.0	409625.0	1.318427	Y



Calibration

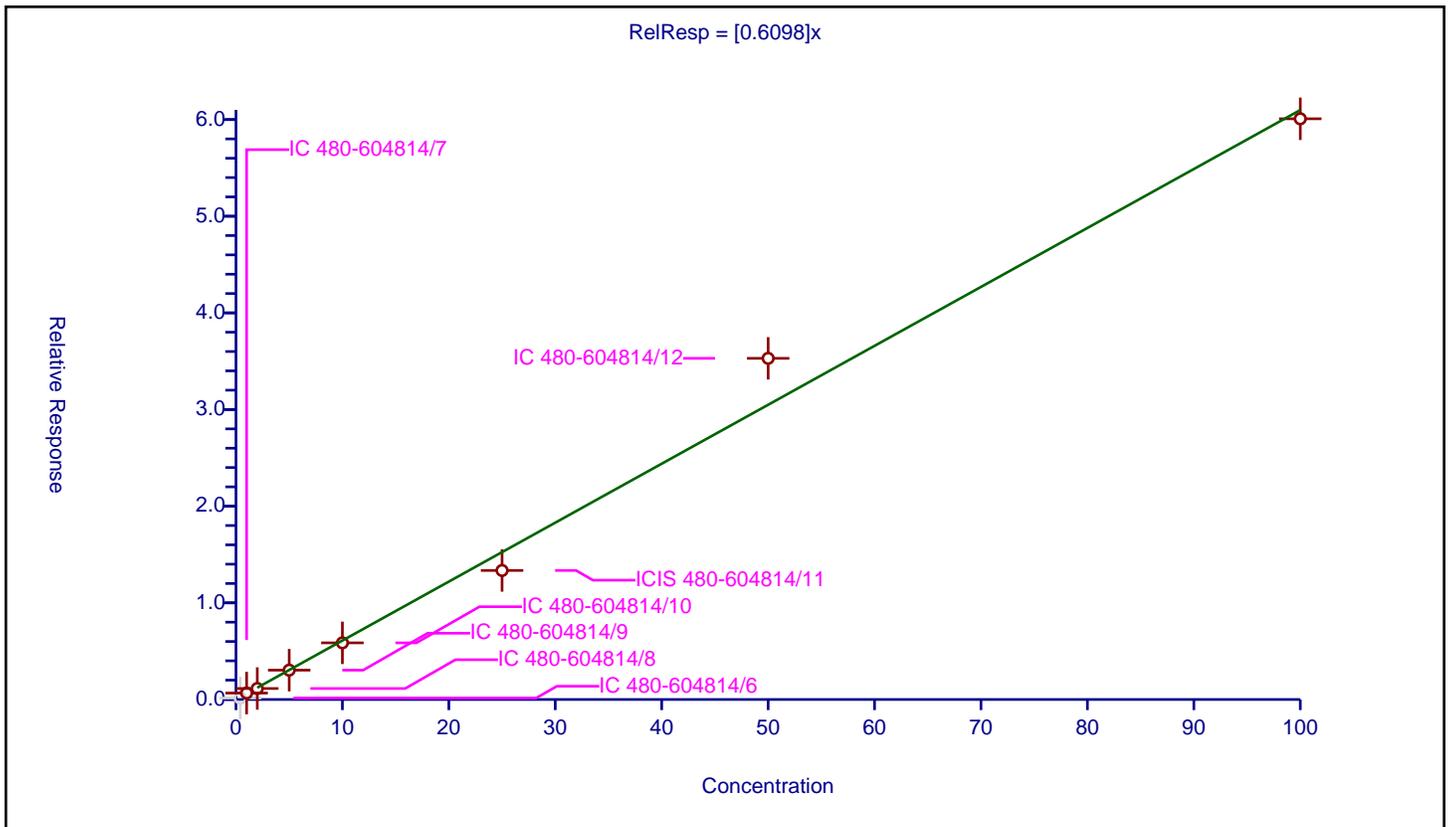
/ Hexachlorobutadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6098

Error Coefficients	
Standard Error:	459000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.149354	25.0	362060.0	0.373384	N
2	IC 480-604814/7	1.0	0.665535	25.0	366998.0	0.665535	Y
3	IC 480-604814/8	2.0	1.138256	25.0	372873.0	0.569128	Y
4	IC 480-604814/9	5.0	3.036072	25.0	375691.0	0.607214	Y
5	IC 480-604814/10	10.0	5.861507	25.0	359916.0	0.586151	Y
6	ICIS 480-604814/11	25.0	13.348569	25.0	393044.0	0.533943	Y
7	IC 480-604814/12	50.0	35.295476	25.0	349690.0	0.70591	Y
8	IC 480-604814/13	100.0	60.081904	25.0	409625.0	0.600819	Y



Calibration

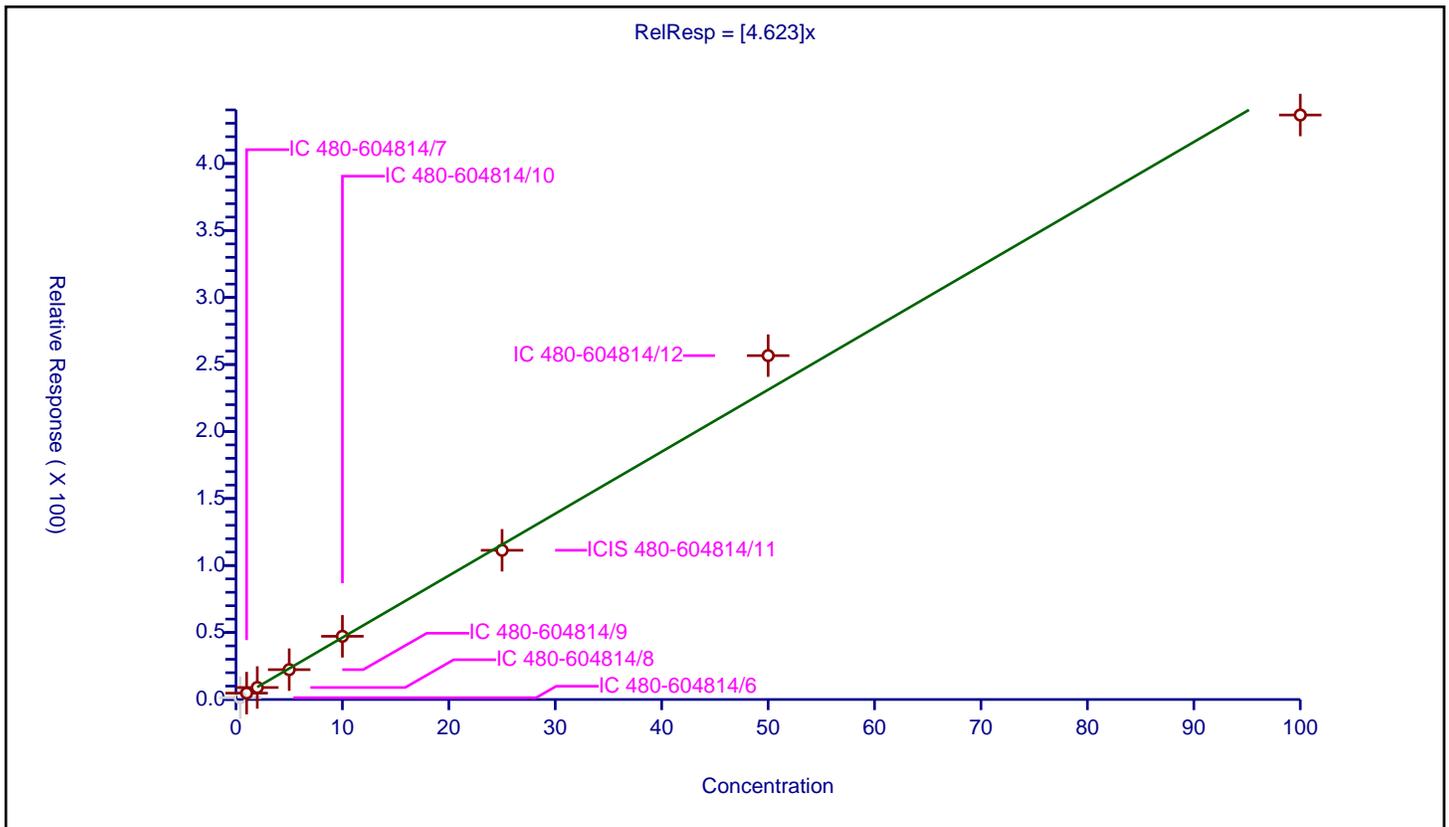
/ Naphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.623

Error Coefficients	
Standard Error:	3360000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	1.344321	25.0	362060.0	3.360803	N
2	IC 480-604814/7	1.0	4.766715	25.0	366998.0	4.766715	Y
3	IC 480-604814/8	2.0	8.953853	25.0	372873.0	4.476926	Y
4	IC 480-604814/9	5.0	22.261446	25.0	375691.0	4.452289	Y
5	IC 480-604814/10	10.0	47.155934	25.0	359916.0	4.715593	Y
6	ICIS 480-604814/11	25.0	111.352291	25.0	393044.0	4.454092	Y
7	IC 480-604814/12	50.0	256.624868	25.0	349690.0	5.132497	Y
8	IC 480-604814/13	100.0	436.188038	25.0	409625.0	4.36188	Y



Calibration

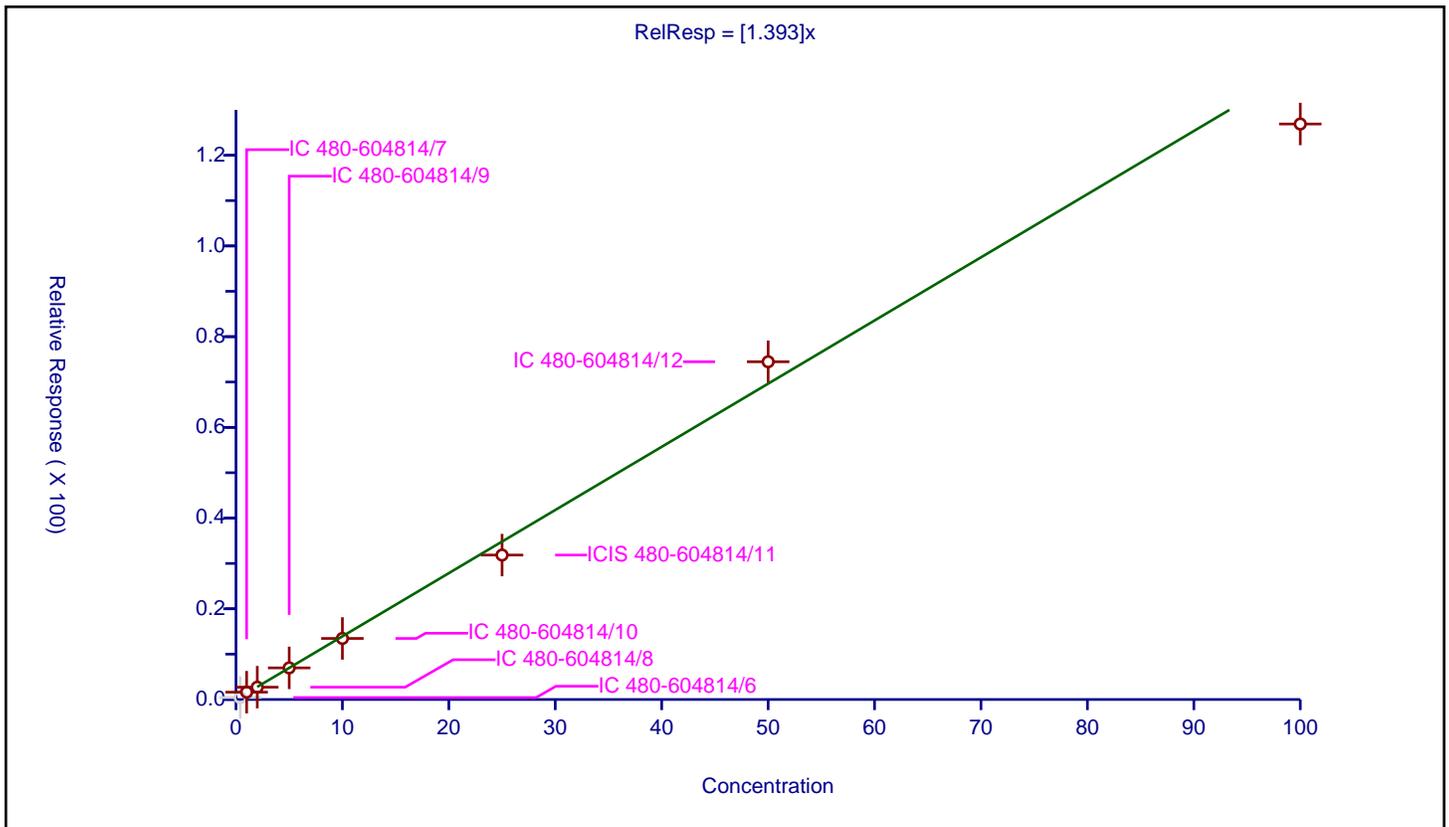
/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.393

Error Coefficients	
Standard Error:	975000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604814/6	0.4	0.430246	25.0	362060.0	1.075616	N
2	IC 480-604814/7	1.0	1.618537	25.0	366998.0	1.618537	Y
3	IC 480-604814/8	2.0	2.71681	25.0	372873.0	1.358405	Y
4	IC 480-604814/9	5.0	6.971088	25.0	375691.0	1.394218	Y
5	IC 480-604814/10	10.0	13.45814	25.0	359916.0	1.345814	Y
6	ICIS 480-604814/11	25.0	31.848597	25.0	393044.0	1.273944	Y
7	IC 480-604814/12	50.0	74.465098	25.0	349690.0	1.489302	Y
8	IC 480-604814/13	100.0	126.891913	25.0	409625.0	1.268919	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604814/27 Calibration Date: 11/14/2021 01:12
 Instrument ID: HP5973C Calib Start Date: 11/13/2021 17:13
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/13/2021 19:53
 Lab File ID: C0399.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.039	0.9468	0.1000	22.8	25.0	-8.9	50.0
Chloromethane	Ave	1.558	1.681	0.1000	27.0	25.0	7.9	30.0
Vinyl chloride	Ave	1.361	1.286	0.1000	23.6	25.0	-5.5	30.0
Butadiene	Ave	1.393	1.101		19.8	25.0	-21.0	30.0
Bromomethane	Ave	0.9352	0.9552	0.1000	25.5	25.0	2.1	50.0
Chloroethane	Ave	0.8752	0.8553	0.1000	24.4	25.0	-2.3	50.0
Dichlorofluoromethane	Ave	2.077	2.027		24.4	25.0	-2.4	30.0
Trichlorofluoromethane	Ave	1.592	1.314	0.1000	20.6	25.0	-17.5	30.0
Ethyl ether	Ave	1.382	1.396		25.3	25.0	1.0	30.0
Acrolein	Lin1		0.0960		148	125	18.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.201	1.070	0.1000	22.3	25.0	-10.9	30.0
1,1-Dichloroethene	Ave	1.225	1.142	0.1000	23.3	25.0	-6.8	30.0
Acetone	Lin1		0.8624	0.1000	169	125	35.5	50.0
Iodomethane	Ave	2.259	2.192		24.3	25.0	-3.0	30.0
Carbon disulfide	Ave	4.106	3.912	0.1000	23.8	25.0	-4.7	30.0
Allyl chloride	Ave	2.554	2.376		23.3	25.0	-7.0	30.0
Methyl acetate	Ave	1.815	1.956	0.1000	53.9	50.0	7.7	50.0
Methylene Chloride	Lin1		1.512	0.1000	26.5	25.0	5.9	30.0
2-Methyl-2-propanol	Ave	0.2890	0.3402		294	250	17.7	50.0
Methyl tert-butyl ether	Ave	4.463	4.606	0.1000	25.8	25.0	3.2	30.0
trans-1,2-Dichloroethene	Ave	1.457	1.467	0.1000	25.2	25.0	0.7	30.0
Acrylonitrile	Ave	0.9135	1.012		277	250	10.8	30.0
Hexane	Ave	2.029	1.770		21.8	25.0	-12.8	30.0
1,1-Dichloroethane	Ave	2.586	2.604	0.2000	25.2	25.0	0.7	30.0
Vinyl acetate	Ave	3.498	3.686		52.7	50.0	5.4	30.0
2,2-Dichloropropane	Ave	1.172	1.046		22.3	25.0	-10.7	30.0
cis-1,2-Dichloroethene	Ave	1.606	1.639	0.1000	25.5	25.0	2.0	30.0
2-Butanone (MEK)	Ave	1.147	1.254	0.1000	137	125	9.3	30.0
Chlorobromomethane	Ave	0.8947	0.8776		24.5	25.0	-1.9	30.0
Tetrahydrofuran	Ave	0.8072	0.8439		52.3	50.0	4.5	30.0
Chloroform	Ave	2.614	2.539	0.2000	24.3	25.0	-2.9	30.0
1,1,1-Trichloroethane	Ave	1.990	1.877	0.1000	23.6	25.0	-5.7	30.0
Cyclohexane	Ave	2.509	2.275	0.1000	22.7	25.0	-9.3	30.0
Carbon tetrachloride	Ave	1.545	1.442	0.1000	23.3	25.0	-6.7	30.0
1,1-Dichloropropene	Ave	1.857	1.757		23.7	25.0	-5.4	30.0
Benzene	Ave	5.381	5.316	0.5000	24.7	25.0	-1.2	30.0
Isobutyl alcohol	Ave	0.1060	0.1262		744	625	19.1	50.0
1,2-Dichloroethane	Ave	2.047	2.050	0.1000	25.0	25.0	0.1	30.0
n-Heptane	Ave	2.233	1.884		21.1	25.0	-15.6	30.0
Trichloroethene	Ave	1.386	1.419	0.2000	25.6	25.0	2.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604814/27 Calibration Date: 11/14/2021 01:12
 Instrument ID: HP5973C Calib Start Date: 11/13/2021 17:13
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/13/2021 19:53
 Lab File ID: C0399.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.382	2.144	0.1000	22.5	25.0	-10.0	30.0
1,2-Dichloropropane	Ave	1.333	1.323	0.1000	24.8	25.0	-0.8	30.0
1,4-Dioxane	Ave	0.0111	0.0102		458	500	-8.5	50.0
Dibromomethane	Ave	0.9300	0.9347	0.1000	25.1	25.0	0.5	30.0
Bromodichloromethane	Ave	1.528	1.590	0.2000	26.0	25.0	4.1	30.0
2-Chloroethyl vinyl ether	Ave	0.8629	0.8713		25.2	25.0	1.0	30.0
cis-1,3-Dichloropropene	Ave	1.890	1.864	0.2000	24.7	25.0	-1.3	30.0
4-Methyl-2-pentanone (MIBK)	Ave	1.185	1.306	0.1000	138	125	10.2	30.0
Toluene	Ave	1.675	1.629	0.4000	24.3	25.0	-2.8	30.0
trans-1,3-Dichloropropene	Ave	0.8647	0.8698	0.1000	25.1	25.0	0.6	30.0
Ethyl methacrylate	Ave	0.9543	0.9843		25.8	25.0	3.1	30.0
1,1,2-Trichloroethane	Ave	0.5400	0.5229	0.1000	24.2	25.0	-3.2	30.0
Tetrachloroethene	Ave	0.7230	0.6540	0.2000	22.6	25.0	-9.6	30.0
1,3-Dichloropropane	Ave	1.020	1.022		25.1	25.0	0.3	30.0
2-Hexanone	Ave	0.7884	0.8141	0.1000	129	125	3.3	30.0
Dibromochloromethane	Ave	0.5636	0.5728	0.1000	25.4	25.0	1.6	30.0
1,2-Dibromoethane	Ave	0.6781	0.6755		24.9	25.0	-0.4	30.0
Chlorobenzene	Ave	1.846	1.839	0.5000	24.9	25.0	-0.4	30.0
Ethylbenzene	Ave	3.324	3.150	0.1000	23.7	25.0	-5.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.6514	0.6658		25.6	25.0	2.2	30.0
m,p-Xylene	Ave	1.293	1.222	0.1000	23.6	25.0	-5.5	30.0
o-Xylene	Ave	1.326	1.317	0.3000	24.8	25.0	-0.6	30.0
Styrene	Ave	2.086	1.997	0.3000	23.9	25.0	-4.3	30.0
Bromoform	Ave	0.3400	0.3624	0.1000	26.7	25.0	6.6	50.0
Isopropylbenzene	Ave	3.497	3.313	0.1000	23.7	25.0	-5.3	30.0
Bromobenzene	Ave	0.7796	0.7693		24.7	25.0	-1.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.019	1.014	0.3000	24.9	25.0	-0.5	30.0
N-Propylbenzene	Ave	3.966	3.698		23.3	25.0	-6.8	30.0
1,2,3-Trichloropropane	Ave	0.3397	0.3536		26.0	25.0	4.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3178	0.2845		22.4	25.0	-10.5	50.0
2-Chlorotoluene	Ave	0.8238	0.7931		24.1	25.0	-3.7	30.0
1,3,5-Trimethylbenzene	Ave	3.000	2.865		23.9	25.0	-4.5	30.0
4-Chlorotoluene	Ave	0.7903	0.7649		24.2	25.0	-3.2	30.0
tert-Butylbenzene	Ave	0.6265	0.5901		23.5	25.0	-5.8	30.0
1,2,4-Trimethylbenzene	Ave	3.135	2.977		23.7	25.0	-5.0	30.0
sec-Butylbenzene	Ave	3.754	3.514		23.4	25.0	-6.4	30.0
4-Isopropyltoluene	Ave	3.299	3.098		23.5	25.0	-6.1	30.0
1,3-Dichlorobenzene	Ave	1.595	1.522	0.6000	23.9	25.0	-4.6	30.0
1,4-Dichlorobenzene	Ave	1.669	1.532	0.5000	23.0	25.0	-8.2	30.0
n-Butylbenzene	Ave	3.010	2.765		23.0	25.0	-8.1	30.0
1,2-Dichlorobenzene	Ave	1.724	1.599	0.4000	23.2	25.0	-7.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604814/27 Calibration Date: 11/14/2021 01:12
 Instrument ID: HP5973C Calib Start Date: 11/13/2021 17:13
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/13/2021 19:53
 Lab File ID: C0399.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2345	0.2400	0.0500	25.6	25.0	2.4	50.0
1,2,4-Trichlorobenzene	Ave	1.387	1.328	0.2000	23.9	25.0	-4.2	30.0
Hexachlorobutadiene	Ave	0.6098	0.5401		22.1	25.0	-11.4	30.0
Naphthalene	Ave	4.623	4.530		24.5	25.0	-2.0	30.0
1,2,3-Trichlorobenzene	Ave	1.393	1.352		24.3	25.0	-2.9	30.0
Dibromofluoromethane (Surr)	Ave	1.319	1.339		25.4	25.0	1.5	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7863	0.8057		25.6	25.0	2.5	30.0
Toluene-d8 (Surr)	Ave	2.371	2.379		25.1	25.0	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.7035	0.6859		24.4	25.0	-2.5	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0399.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 14-Nov-2021 01:12:30 ALS Bottle#: 27 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 480-0102400-027
 Operator ID: WD Instrument ID: HP5973C
 Sublist:
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 11:10:27 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

First Level Reviewer: dahnw

Date: 14-Nov-2021 10:02:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.738	-0.010	99	197928	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	85	361401	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	96	370582	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.261	4.262	-0.001	92	264949	25.0	25.4	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	64	159480	25.0	25.6	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	859620	25.0	25.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.971	7.972	-0.001	89	247882	25.0	24.4	
10 Dichlorodifluoromethane	85	1.039	1.039	-0.001	0	187406	25.0	22.8	M
12 Chloromethane	50	1.194	1.194	0.000	99	332733	25.0	27.0	
13 Vinyl chloride	62	1.287	1.287	0.000	98	254566	25.0	23.6	
151 Butadiene	54	1.298	1.298	0.000	92	217907	25.0	19.8	
14 Bromomethane	94	1.557	1.557	0.000	90	189068	25.0	25.5	
15 Chloroethane	64	1.629	1.629	0.000	100	169293	25.0	24.4	
16 Dichlorofluoromethane	67	1.836	1.837	-0.001	97	401216	25.0	24.4	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	98	260085	25.0	20.6	
18 Ethyl ether	59	2.116	2.116	0.000	95	276279	25.0	25.3	
20 Acrolein	56	2.292	2.293	-0.001	99	95039	125.0	148.0	
21 112TCTFE	101	2.313	2.313	0.000	94	211769	25.0	22.3	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	97	226014	25.0	23.3	
23 Acetone	43	2.448	2.448	0.000	99	853436	125.0	169.4	
25 Iodomethane	142	2.479	2.479	0.000	100	433881	25.0	24.3	
26 Carbon disulfide	76	2.510	2.510	0.000	100	774283	25.0	23.8	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	90	470326	25.0	23.3	
27 Methyl acetate	43	2.728	2.718	0.010	99	774133	50.0	53.9	
30 Methylene Chloride	84	2.811	2.811	0.000	96	299277	25.0	26.5	
31 2-Methyl-2-propanol	59	2.976	2.977	-0.001	97	673390	250.0	294.3	M
32 Methyl tert-butyl ether	73	3.007	3.008	-0.001	99	911752	25.0	25.8	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	98	290368	25.0	25.2	
33 Acrylonitrile	53	3.070	3.070	0.000	98	2003882	250.0	277.1	
35 Hexane	57	3.194	3.194	0.000	94	350272	25.0	21.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	515476	25.0	25.2	
37 Vinyl acetate	43	3.443	3.443	0.000	97	1458929	50.0	52.7	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	92	207036	25.0	22.3	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	79	324318	25.0	25.5	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	99	1240661	125.0	136.6	
48 Chlorobromomethane	128	4.065	4.065	0.000	98	173697	25.0	24.5	
49 Tetrahydrofuran	42	4.085	4.085	0.000	89	334056	50.0	52.3	
50 Chloroform	83	4.137	4.137	0.000	94	502531	25.0	24.3	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	371520	25.0	23.6	
52 Cyclohexane	56	4.230	4.231	0.000	93	450240	25.0	22.7	
55 Carbon tetrachloride	117	4.334	4.334	0.000	96	285314	25.0	23.3	
54 1,1-Dichloropropene	75	4.344	4.345	0.000	95	347808	25.0	23.7	
57 Benzene	78	4.520	4.521	-0.001	97	1052118	25.0	24.7	
53 Isobutyl alcohol	43	4.531	4.531	0.000	95	624682	625.0	744.5	
58 1,2-Dichloroethane	62	4.572	4.572	0.000	97	405715	25.0	25.0	a
59 n-Heptane	43	4.655	4.655	0.000	95	372926	25.0	21.1	M
62 Trichloroethene	95	5.008	5.008	0.000	97	280935	25.0	25.6	
64 Methylcyclohexane	83	5.101	5.101	0.000	93	424348	25.0	22.5	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	95	261803	25.0	24.8	
66 1,4-Dioxane	88	5.308	5.308	0.000	36	73417	500.0	457.7	
67 Dibromomethane	93	5.308	5.308	0.000	95	184998	25.0	25.1	
68 Dichlorobromomethane	83	5.422	5.422	0.000	99	314687	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	5.629	5.630	-0.001	92	172461	25.0	25.2	
72 cis-1,3-Dichloropropene	75	5.743	5.744	-0.001	94	368966	25.0	24.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	98	2360406	125.0	137.8	
74 Toluene	92	5.961	5.961	0.000	98	588790	25.0	24.3	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	96	314345	25.0	25.1	
75 Ethyl methacrylate	69	6.199	6.199	0.000	92	355742	25.0	25.8	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	91	188974	25.0	24.2	
81 Tetrachloroethene	166	6.375	6.376	-0.001	95	236340	25.0	22.6	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	94	369478	25.0	25.1	
80 2-Hexanone	43	6.489	6.490	-0.001	97	1471153	125.0	129.1	
83 Chlorodibromomethane	129	6.624	6.624	0.000	90	207020	25.0	25.4	
84 Ethylene Dibromide	107	6.707	6.707	0.000	98	244143	25.0	24.9	
87 Chlorobenzene	112	7.059	7.060	-0.001	95	664636	25.0	24.9	
88 Ethylbenzene	91	7.122	7.122	0.000	98	1138425	25.0	23.7	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	94	240635	25.0	25.6	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	96	441806	25.0	23.6	
91 o-Xylene	106	7.536	7.536	0.000	97	476138	25.0	24.8	
92 Styrene	104	7.557	7.557	0.000	95	721623	25.0	23.9	
95 Bromoform	173	7.743	7.744	-0.001	96	130977	25.0	26.7	
94 Isopropylbenzene	105	7.816	7.816	0.000	95	1227581	25.0	23.7	
101 Bromobenzene	156	8.096	8.096	0.000	93	285098	25.0	24.7	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	375673	25.0	24.9	
99 N-Propylbenzene	91	8.148	8.148	0.000	98	1370344	25.0	23.3	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	87	131022	25.0	26.0	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	76	105415	25.0	22.4	
103 2-Chlorotoluene	126	8.241	8.241	0.000	97	293901	25.0	24.1	
102 1,3,5-Trimethylbenzene	105	8.282	8.282	0.000	94	1061573	25.0	23.9	
105 4-Chlorotoluene	126	8.324	8.324	0.000	98	283442	25.0	24.2	
106 tert-Butylbenzene	134	8.552	8.552	0.000	94	218666	25.0	23.5	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	1103399	25.0	23.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	94	1302078	25.0	23.4	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	97	1148020	25.0	23.5	
111 1,3-Dichlorobenzene	146	8.852	8.852	0.000	98	564204	25.0	23.9	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	95	567885	25.0	23.0	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	1024819	25.0	23.0	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	97	592447	25.0	23.2	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.909	0.000	83	88958	25.0	25.6	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	95	492203	25.0	23.9	
120 Hexachlorobutadiene	225	10.655	10.666	-0.011	98	200169	25.0	22.1	
121 Naphthalene	128	10.769	10.770	-0.001	97	1678732	25.0	24.5	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	97	500959	25.0	24.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SS 8260 CORP_00096	Amount Added: 12.50	Units: uL	
SS GAS CORP_00431	Amount Added: 12.50	Units: uL	
C_8260_IS_00158	Amount Added: 2.00	Units: uL	Run Reagent
C_8260_Surr_00177	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0399.D

Injection Date: 14-Nov-2021 01:12:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: ICV

Worklist Smp#: 27

Client ID:

Purge Vol: 5.000 mL

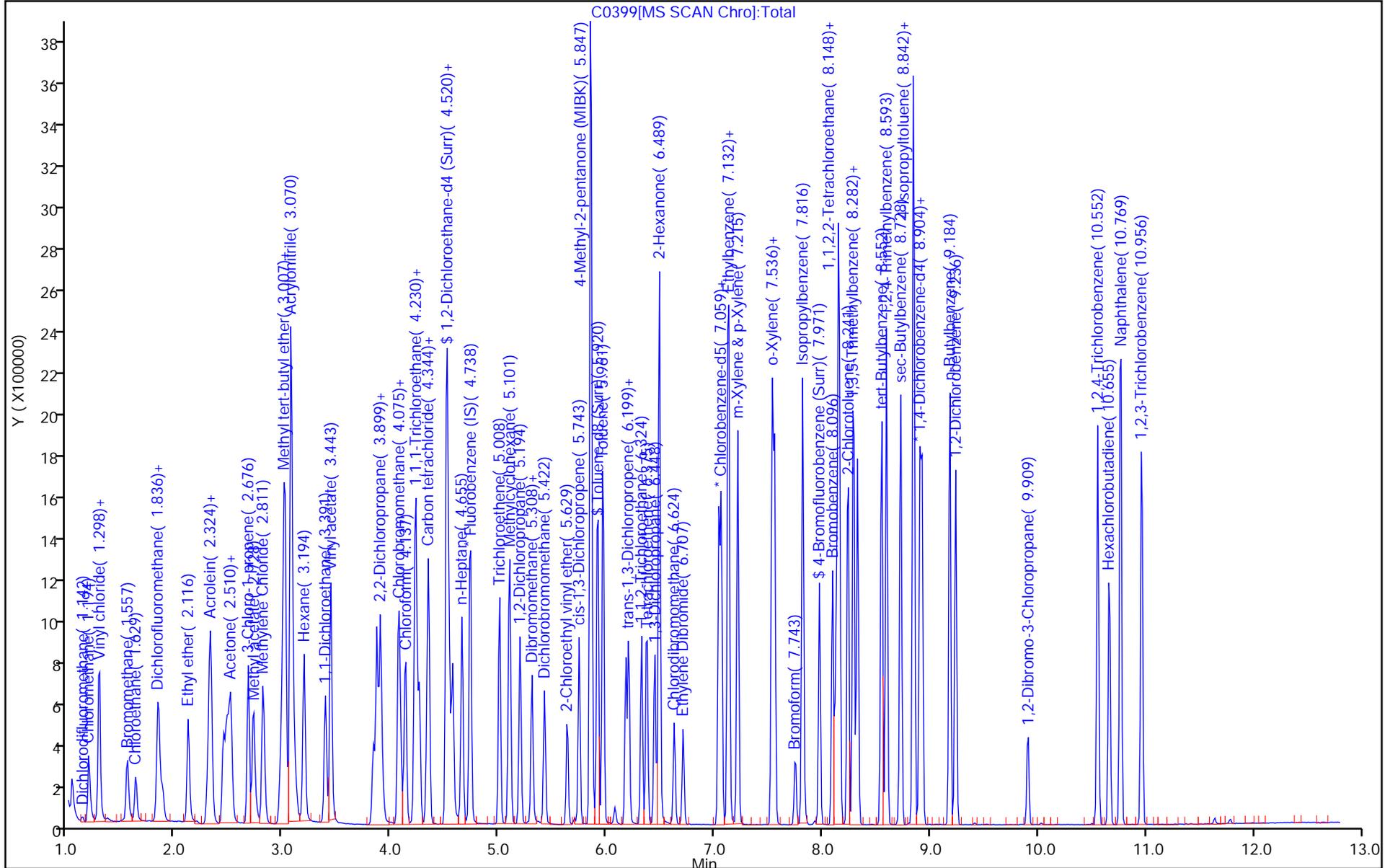
Dil. Factor: 1.0000

ALS Bottle#: 27

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

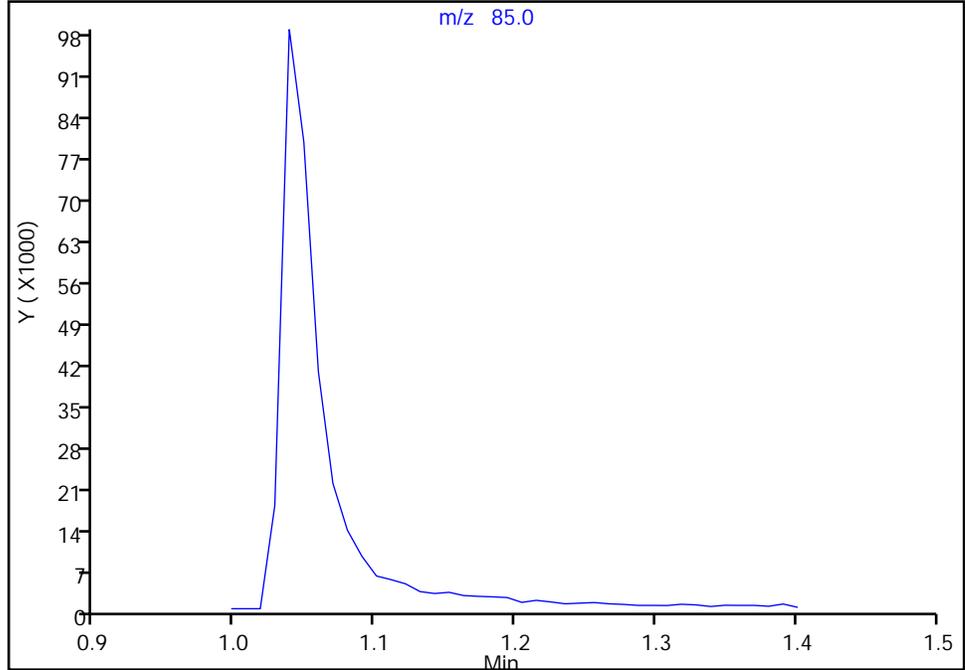
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Injection Date: 14-Nov-2021 01:12:30 Instrument ID: HP5973C
Lims ID: ICV
Client ID:
Operator ID: WD ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

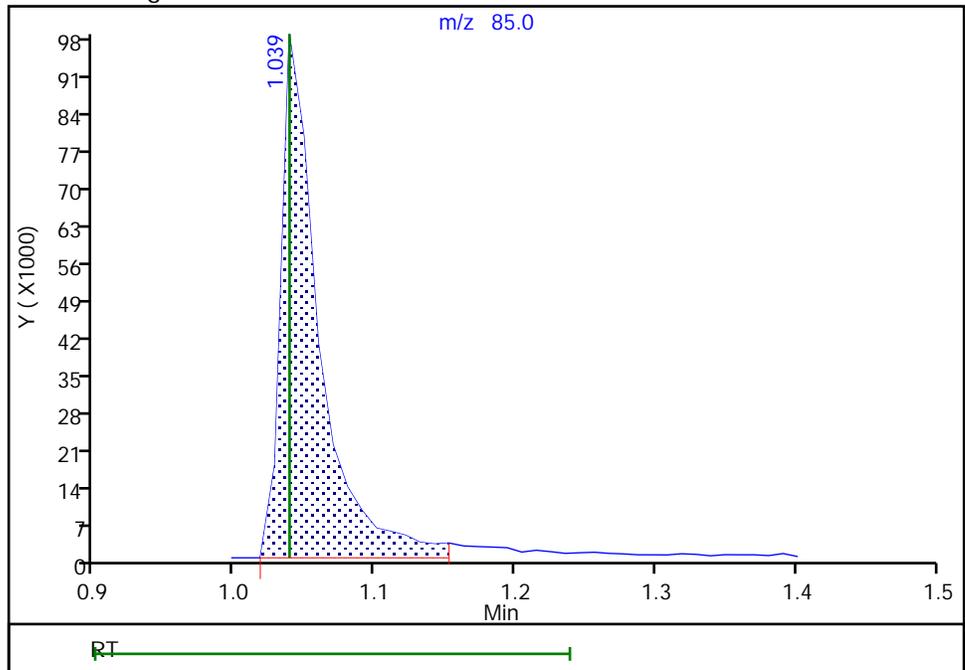
Not Detected
Expected RT: 1.04

Processing Integration Results



Manual Integration Results

RT: 1.04
Area: 187406
Amount: 22.772856
Amount Units: ug/L



Reviewer: dahnw, 14-Nov-2021 10:01:00
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

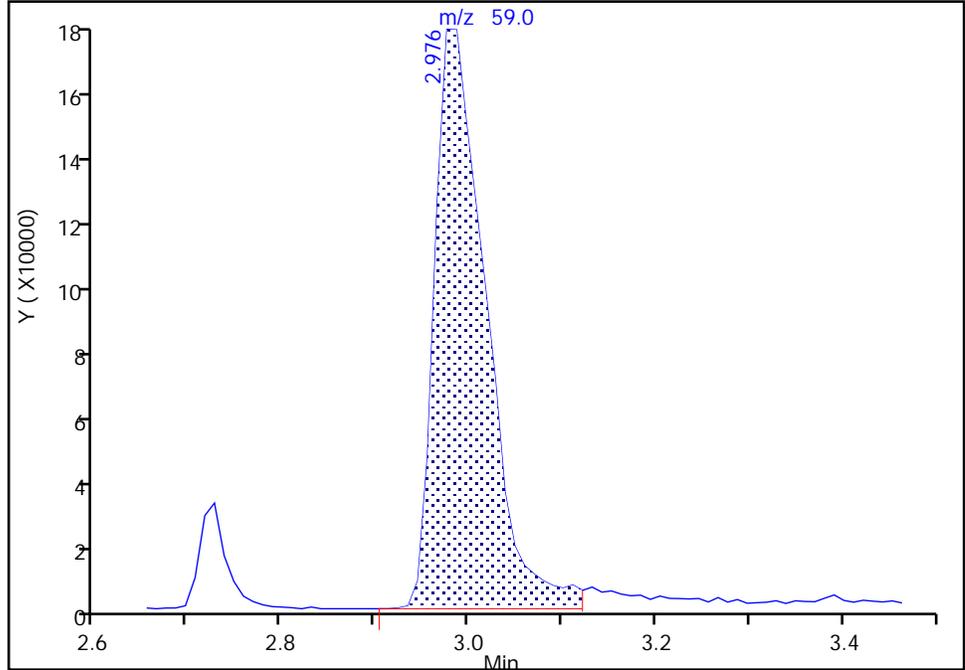
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Injection Date: 14-Nov-2021 01:12:30 Instrument ID: HP5973C
Lims ID: ICV
Client ID:
Operator ID: WD ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

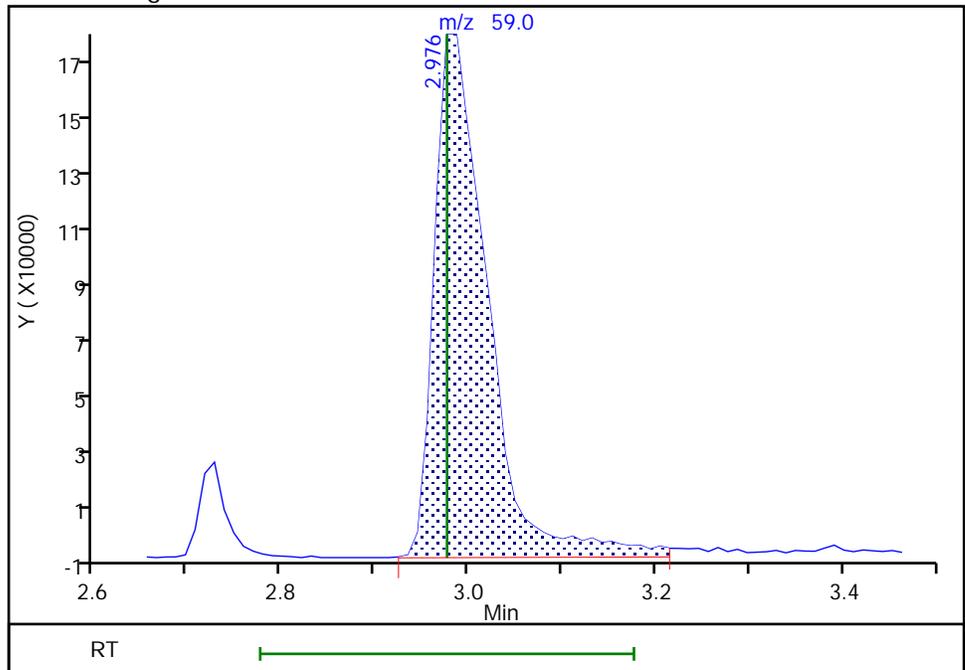
RT: 2.98
Area: 651110
Amount: 284.5484
Amount Units: ug/L

Processing Integration Results



RT: 2.98
Area: 673390
Amount: 294.2852
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 10:01:41
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo

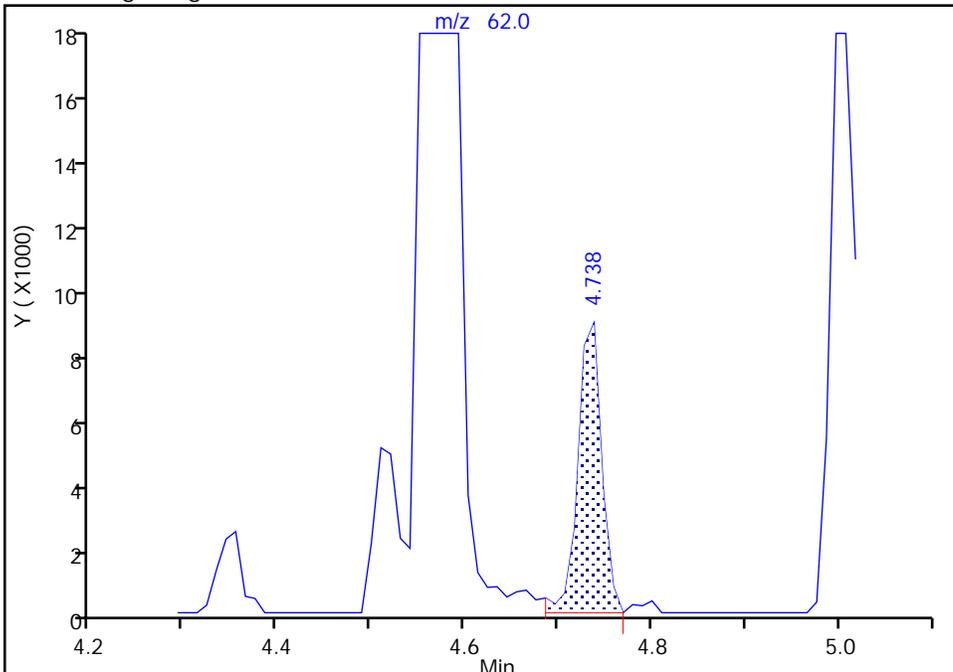
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Injection Date: 14-Nov-2021 01:12:30 Instrument ID: HP5973C
Lims ID: ICV
Client ID:
Operator ID: WD ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

58 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

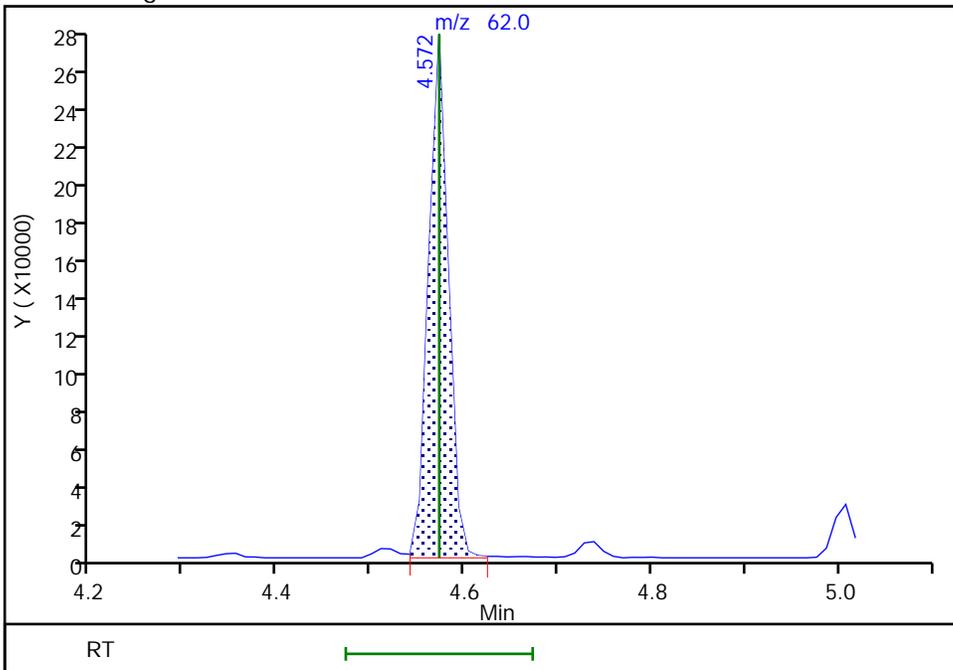
RT: 4.74
Area: 15128
Amount: 0.933350
Amount Units: ug/L

Processing Integration Results



RT: 4.57
Area: 405715
Amount: 25.031337
Amount Units: ug/L

Manual Integration Results



Eurofins TestAmerica, Buffalo

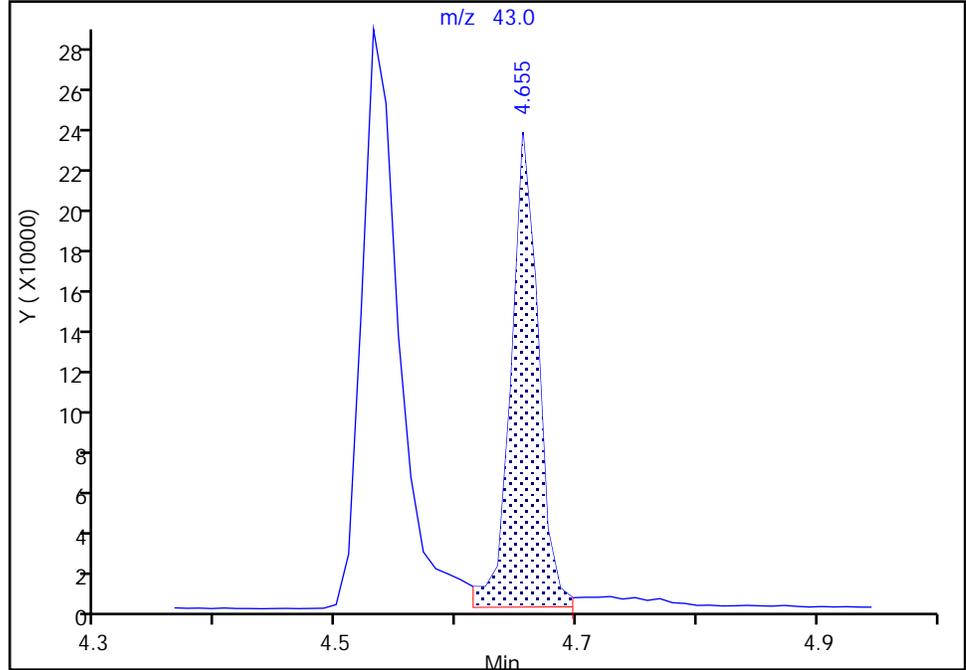
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Injection Date: 14-Nov-2021 01:12:30 Instrument ID: HP5973C
Lims ID: ICV
Client ID:
Operator ID: WD ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

59 n-Heptane, CAS: 142-82-5

Signal: 1

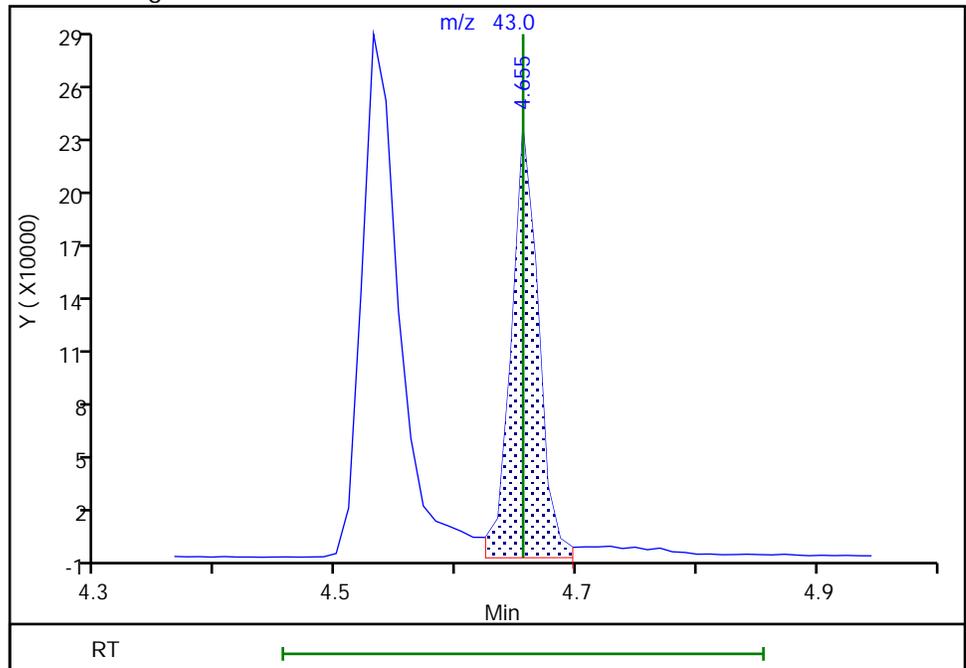
RT: 4.66
Area: 373916
Amount: 21.150550
Amount Units: ug/L

Processing Integration Results



RT: 4.66
Area: 372926
Amount: 21.094551
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 14-Nov-2021 10:02:02
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-605537/2 Calibration Date: 11/18/2021 10:21
 Instrument ID: HP5973C Calib Start Date: 11/13/2021 17:13
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/13/2021 19:53
 Lab File ID: C0643.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.039	1.142	0.1000	27.5	25.0	9.9	50.0
Chloromethane	Ave	1.558	1.947	0.1000	31.2	25.0	25.0*	20.0
Vinyl chloride	Ave	1.361	1.574	0.1000	28.9	25.0	15.7	20.0
Butadiene	Ave	1.393	1.809		32.5	25.0	29.9*	20.0
Bromomethane	Ave	0.9352	0.9049	0.1000	24.2	25.0	-3.2	50.0
Chloroethane	Ave	0.8752	0.9680	0.1000	27.7	25.0	10.6	50.0
Dichlorofluoromethane	Ave	2.077	2.321		27.9	25.0	11.7	20.0
Trichlorofluoromethane	Ave	1.592	1.612	0.1000	25.3	25.0	1.2	20.0
Ethyl ether	Ave	1.382	1.377		24.9	25.0	-0.4	20.0
Acrolein	Lin1		0.0379		55.0	125	-56.0*	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.201	1.041	0.1000	21.7	25.0	-13.3	20.0
1,1-Dichloroethene	Ave	1.225	1.140	0.1000	23.3	25.0	-6.9	20.0
Acetone	Lin1		0.8478	0.1000	166	125	33.2	50.0
Iodomethane	Ave	2.259	1.976		21.9	25.0	-12.5	20.0
Carbon disulfide	Ave	4.106	3.976	0.1000	24.2	25.0	-3.2	20.0
Allyl chloride	Ave	2.554	2.602		25.5	25.0	1.9	20.0
Methyl acetate	Ave	1.815	1.681	0.1000	46.3	50.0	-7.4	50.0
Methylene Chloride	Lin1		1.441	0.1000	25.2	25.0	0.8	20.0
2-Methyl-2-propanol	Ave	0.2890	0.2373		205	250	-17.9	50.0
Methyl tert-butyl ether	Ave	4.463	4.259	0.1000	23.9	25.0	-4.6	20.0
trans-1,2-Dichloroethene	Ave	1.457	1.393	0.1000	23.9	25.0	-4.4	20.0
Acrylonitrile	Ave	0.9135	0.8479		232	250	-7.2	20.0
Hexane	Ave	2.029	1.827		22.5	25.0	-9.9	20.0
1,1-Dichloroethane	Ave	2.586	2.691	0.2000	26.0	25.0	4.0	20.0
Vinyl acetate	Ave	3.498	3.778		54.0	50.0	8.0	20.0
2,2-Dichloropropane	Ave	1.172	1.462		31.2	25.0	24.7*	20.0
cis-1,2-Dichloroethene	Ave	1.606	1.520	0.1000	23.7	25.0	-5.4	20.0
2-Butanone (MEK)	Ave	1.147	1.054	0.1000	115	125	-8.1	20.0
Chlorobromomethane	Ave	0.8947	0.7724		21.6	25.0	-13.7	20.0
Tetrahydrofuran	Ave	0.8072	0.6974		43.2	50.0	-13.6	20.0
Chloroform	Ave	2.614	2.433	0.2000	23.3	25.0	-6.9	20.0
1,1,1-Trichloroethane	Ave	1.990	1.900	0.1000	23.9	25.0	-4.5	20.0
Cyclohexane	Ave	2.509	2.461	0.1000	24.5	25.0	-1.9	20.0
Carbon tetrachloride	Ave	1.545	1.391	0.1000	22.5	25.0	-9.9	20.0
1,1-Dichloropropene	Ave	1.857	1.792		24.1	25.0	-3.5	20.0
Benzene	Ave	5.381	5.312	0.5000	24.7	25.0	-1.3	20.0
Isobutyl alcohol	Ave	0.1060	0.0981		579	625	-7.4	50.0
1,2-Dichloroethane	Ave	2.047	2.036	0.1000	24.9	25.0	-0.5	20.0
n-Heptane	Ave	2.233	2.085		23.3	25.0	-6.6	20.0
Trichloroethene	Ave	1.386	1.343	0.2000	24.2	25.0	-3.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID: CCVIS 480-605537/2 Calibration Date: 11/18/2021 10:21

Instrument ID: HP5973C Calib Start Date: 11/13/2021 17:13

GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/13/2021 19:53

Lab File ID: C0643.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.382	2.047	0.1000	21.5	25.0	-14.1	20.0
1,2-Dichloropropane	Ave	1.333	1.378	0.1000	25.8	25.0	3.4	20.0
1,4-Dioxane	Ave	0.0111	0.0076		342	500	-31.7	50.0
Dibromomethane	Ave	0.9300	0.8522	0.1000	22.9	25.0	-8.4	20.0
Bromodichloromethane	Ave	1.528	1.488	0.2000	24.4	25.0	-2.6	20.0
2-Chloroethyl vinyl ether	Ave	0.8629	0.7974		23.1	25.0	-7.6	20.0
cis-1,3-Dichloropropene	Ave	1.890	1.821	0.2000	24.1	25.0	-3.6	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.185	1.102	0.1000	116	125	-7.0	20.0
Toluene	Ave	1.675	1.662	0.4000	24.8	25.0	-0.8	20.0
trans-1,3-Dichloropropene	Ave	0.8647	0.8373	0.1000	24.2	25.0	-3.2	20.0
Ethyl methacrylate	Ave	0.9543	0.8696		22.8	25.0	-8.9	20.0
1,1,2-Trichloroethane	Ave	0.5400	0.4941	0.1000	22.9	25.0	-8.5	20.0
Tetrachloroethene	Ave	0.7230	0.6075	0.2000	21.0	25.0	-16.0	20.0
1,3-Dichloropropane	Ave	1.020	1.007		24.7	25.0	-1.2	20.0
2-Hexanone	Ave	0.7884	0.6874	0.1000	109	125	-12.8	20.0
Dibromochloromethane	Ave	0.5636	0.5071	0.1000	22.5	25.0	-10.0	20.0
1,2-Dibromoethane	Ave	0.6781	0.5929		21.9	25.0	-12.6	20.0
Chlorobenzene	Ave	1.846	1.749	0.5000	23.7	25.0	-5.3	20.0
Ethylbenzene	Ave	3.324	3.164	0.1000	23.8	25.0	-4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6514	0.6012		23.1	25.0	-7.7	20.0
m,p-Xylene	Ave	1.293	1.174	0.1000	22.7	25.0	-9.3	20.0
o-Xylene	Ave	1.326	1.244	0.3000	23.5	25.0	-6.2	20.0
Styrene	Ave	2.086	1.876	0.3000	22.5	25.0	-10.1	20.0
Bromoform	Ave	0.3400	0.2601	0.1000	19.1	25.0	-23.5	50.0
Isopropylbenzene	Ave	3.497	3.998	0.1000	28.6	25.0	14.3	20.0
Bromobenzene	Ave	0.7796	0.8283		26.6	25.0	6.3	20.0
1,1,2,2-Tetrachloroethane	Ave	1.019	1.087	0.3000	26.7	25.0	6.7	20.0
N-Propylbenzene	Ave	3.966	4.583		28.9	25.0	15.6	20.0
1,2,3-Trichloropropane	Ave	0.3397	0.3363		24.7	25.0	-1.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3178	0.2018		15.9	25.0	-36.5	50.0
2-Chlorotoluene	Ave	0.8238	0.9002		27.3	25.0	9.3	20.0
1,3,5-Trimethylbenzene	Ave	3.000	3.452		28.8	25.0	15.1	20.0
4-Chlorotoluene	Ave	0.7903	0.8540		27.0	25.0	8.1	20.0
tert-Butylbenzene	Ave	0.6265	0.7039		28.1	25.0	12.4	20.0
1,2,4-Trimethylbenzene	Ave	3.135	3.482		27.8	25.0	11.1	20.0
sec-Butylbenzene	Ave	3.754	4.253		28.3	25.0	13.3	20.0
4-Isopropyltoluene	Ave	3.299	3.662		27.8	25.0	11.0	20.0
1,3-Dichlorobenzene	Ave	1.595	1.645	0.6000	25.8	25.0	3.1	20.0
1,4-Dichlorobenzene	Ave	1.669	1.618	0.5000	24.2	25.0	-3.0	20.0
n-Butylbenzene	Ave	3.010	3.279		27.2	25.0	8.9	20.0
1,2-Dichlorobenzene	Ave	1.724	1.683	0.4000	24.4	25.0	-2.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-605537/2 Calibration Date: 11/18/2021 10:21
 Instrument ID: HP5973C Calib Start Date: 11/13/2021 17:13
 GC Column: ZB-624 (20) ID: 0.18 (mm) Calib End Date: 11/13/2021 19:53
 Lab File ID: C0643.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2345	0.1951	0.0500	20.8	25.0	-16.8	50.0
1,2,4-Trichlorobenzene	Ave	1.387	1.216	0.2000	21.9	25.0	-12.4	20.0
Hexachlorobutadiene	Ave	0.6098	0.5099		20.9	25.0	-16.4	20.0
Naphthalene	Ave	4.623	4.018		21.7	25.0	-13.1	20.0
1,2,3-Trichlorobenzene	Ave	1.393	1.217		21.8	25.0	-12.6	20.0
Dibromofluoromethane (Surr)	Ave	1.319	1.269		24.1	25.0	-3.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7863	0.7889		25.1	25.0	0.3	20.0
Toluene-d8 (Surr)	Ave	2.371	2.361		24.9	25.0	-0.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7035	0.6068		21.6	25.0	-13.8	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0643.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 18-Nov-2021 10:21:30 ALS Bottle#: 2 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 480-0102526-002
 Operator ID: OI Instrument ID: HP5973C
 Sublist: chrom-C-8260*sub56
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:09:49 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 16:09:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.728	0.000	98	239211	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	434089	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	97	355096	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	303655	25.0	24.1	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	58	188708	25.0	25.1	
\$ 5 Toluene-d8 (Surr)	98	5.909	5.909	0.000	94	1024871	25.0	24.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.000	83	263394	25.0	21.6	
10 Dichlorodifluoromethane	85	1.049	1.049	0.000	0	273191	25.0	27.5	M
12 Chloromethane	50	1.194	1.194	0.000	99	465685	25.0	31.2	
13 Vinyl chloride	62	1.288	1.288	0.000	97	376526	25.0	28.9	
151 Butadiene	54	1.298	1.298	0.000	95	432764	25.0	32.5	
14 Bromomethane	94	1.557	1.557	0.000	90	216460	25.0	24.2	
15 Chloroethane	64	1.640	1.640	0.000	99	231557	25.0	27.7	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	97	555121	25.0	27.9	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	96	385569	25.0	25.3	
18 Ethyl ether	59	2.117	2.117	0.000	97	329308	25.0	24.9	
20 Acrolein	56	2.293	2.293	0.000	98	45278	125.0	55.0	
21 112TCTFE	101	2.313	2.313	0.000	95	249002	25.0	21.7	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	95	272636	25.0	23.3	
23 Acetone	43	2.438	2.438	0.000	98	1014000	125.0	166.5	
25 Iodomethane	142	2.479	2.479	0.000	99	472602	25.0	21.9	
26 Carbon disulfide	76	2.510	2.510	0.000	100	951162	25.0	24.2	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	89	622487	25.0	25.5	
27 Methyl acetate	43	2.718	2.718	0.000	99	804235	50.0	46.3	
30 Methylene Chloride	84	2.811	2.811	0.000	98	344650	25.0	25.2	
31 2-Methyl-2-propanol	59	2.966	2.966	0.000	99	567563	250.0	205.2	
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	98	1018882	25.0	23.9	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	95	333129	25.0	23.9	
33 Acrylonitrile	53	3.070	3.070	0.000	98	2028221	250.0	232.0	
35 Hexane	57	3.194	3.194	0.000	95	437119	25.0	22.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	643653	25.0	26.0	
37 Vinyl acetate	43	3.443	3.443	0.000	97	1807652	50.0	54.0	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	91	349611	25.0	31.2	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	82	363577	25.0	23.7	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	98	1260708	125.0	114.8	
48 Chlorobromomethane	128	4.065	4.065	0.000	95	184764	25.0	21.6	
49 Tetrahydrofuran	42	4.075	4.075	0.000	92	333629	50.0	43.2	
50 Chloroform	83	4.137	4.137	0.000	96	581955	25.0	23.3	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	97	454581	25.0	23.9	
52 Cyclohexane	56	4.231	4.231	0.000	94	588746	25.0	24.5	
55 Carbon tetrachloride	117	4.334	4.334	0.000	96	332722	25.0	22.5	
54 1,1-Dichloropropene	75	4.345	4.345	0.000	93	428607	25.0	24.1	
57 Benzene	78	4.510	4.510	0.000	96	1270706	25.0	24.7	
53 Isobutyl alcohol	43	4.531	4.531	0.000	94	586680	625.0	578.5	
58 1,2-Dichloroethane	62	4.573	4.573	0.000	97	487058	25.0	24.9	
59 n-Heptane	43	4.655	4.655	0.000	97	498825	25.0	23.3	
62 Trichloroethene	95	5.008	5.008	0.000	96	321309	25.0	24.2	
64 Methylcyclohexane	83	5.101	5.101	0.000	97	489615	25.0	21.5	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	94	329558	25.0	25.8	
66 1,4-Dioxane	88	5.308	5.308	0.000	39	65800	500.0	341.5	
67 Dibromomethane	93	5.308	5.308	0.000	93	203855	25.0	22.9	
68 Dichlorobromomethane	83	5.422	5.422	0.000	98	355954	25.0	24.4	
69 2-Chloroethyl vinyl ether	63	5.630	5.630	0.000	92	190755	25.0	23.1	
72 cis-1,3-Dichloropropene	75	5.744	5.744	0.000	91	435627	25.0	24.1	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	99	2391960	125.0	116.2	
74 Toluene	92	5.961	5.961	0.000	98	721485	25.0	24.8	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	98	363475	25.0	24.2	
75 Ethyl methacrylate	69	6.200	6.200	0.000	93	377465	25.0	22.8	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	92	214488	25.0	22.9	
81 Tetrachloroethene	166	6.376	6.376	0.000	92	263699	25.0	21.0	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	96	437146	25.0	24.7	
80 2-Hexanone	43	6.490	6.490	0.000	99	1492052	125.0	109.0	
83 Chlorodibromomethane	129	6.624	6.624	0.000	90	220115	25.0	22.5	
84 Ethylene Dibromide	107	6.707	6.707	0.000	99	257366	25.0	21.9	
87 Chlorobenzene	112	7.060	7.060	0.000	93	759387	25.0	23.7	
88 Ethylbenzene	91	7.122	7.122	0.000	99	1373583	25.0	23.8	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	93	260968	25.0	23.1	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	95	509435	25.0	22.7	
91 o-Xylene	106	7.536	7.536	0.000	97	539933	25.0	23.5	
92 Styrene	104	7.557	7.557	0.000	95	814217	25.0	22.5	
95 Bromoform	173	7.744	7.744	0.000	94	112891	25.0	19.1	
94 Isopropylbenzene	105	7.816	7.816	0.000	96	1419807	25.0	28.6	
101 Bromobenzene	156	8.096	8.096	0.000	98	294130	25.0	26.6	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	386032	25.0	26.7	
99 N-Propylbenzene	91	8.148	8.148	0.000	100	1627436	25.0	28.9	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	90	119410	25.0	24.7	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	77	71665	25.0	15.9	
103 2-Chlorotoluene	126	8.241	8.241	0.000	96	319656	25.0	27.3	
102 1,3,5-Trimethylbenzene	105	8.283	8.283	0.000	94	1225912	25.0	28.8	
105 4-Chlorotoluene	126	8.324	8.324	0.000	98	303258	25.0	27.0	
106 tert-Butylbenzene	134	8.552	8.552	0.000	94	249966	25.0	28.1	
107 1,2,4-Trimethylbenzene	105	8.593	8.593	0.000	97	1236458	25.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
109 sec-Butylbenzene	105	8.728	8.728	0.000	95	1510358	25.0	28.3	
110 4-Isopropyltoluene	119	8.842	8.842	0.000	98	1300355	25.0	27.8	
111 1,3-Dichlorobenzene	146	8.853	8.853	0.000	97	584247	25.0	25.8	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	93	574444	25.0	24.2	
115 n-Butylbenzene	91	9.184	9.184	0.000	99	1164482	25.0	27.2	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	95	597724	25.0	24.4	
117 1,2-Dibromo-3-Chloropropane	75	9.899	9.899	0.000	82	69287	25.0	20.8	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	95	431629	25.0	21.9	
120 Hexachlorobutadiene	225	10.656	10.656	0.000	95	181052	25.0	20.9	
121 Naphthalene	128	10.759	10.759	0.000	98	1426857	25.0	21.7	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	95	431999	25.0	21.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00217

Amount Added: 12.50

Units: uL

GAS CORP mix_00481

Amount Added: 12.50

Units: uL

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

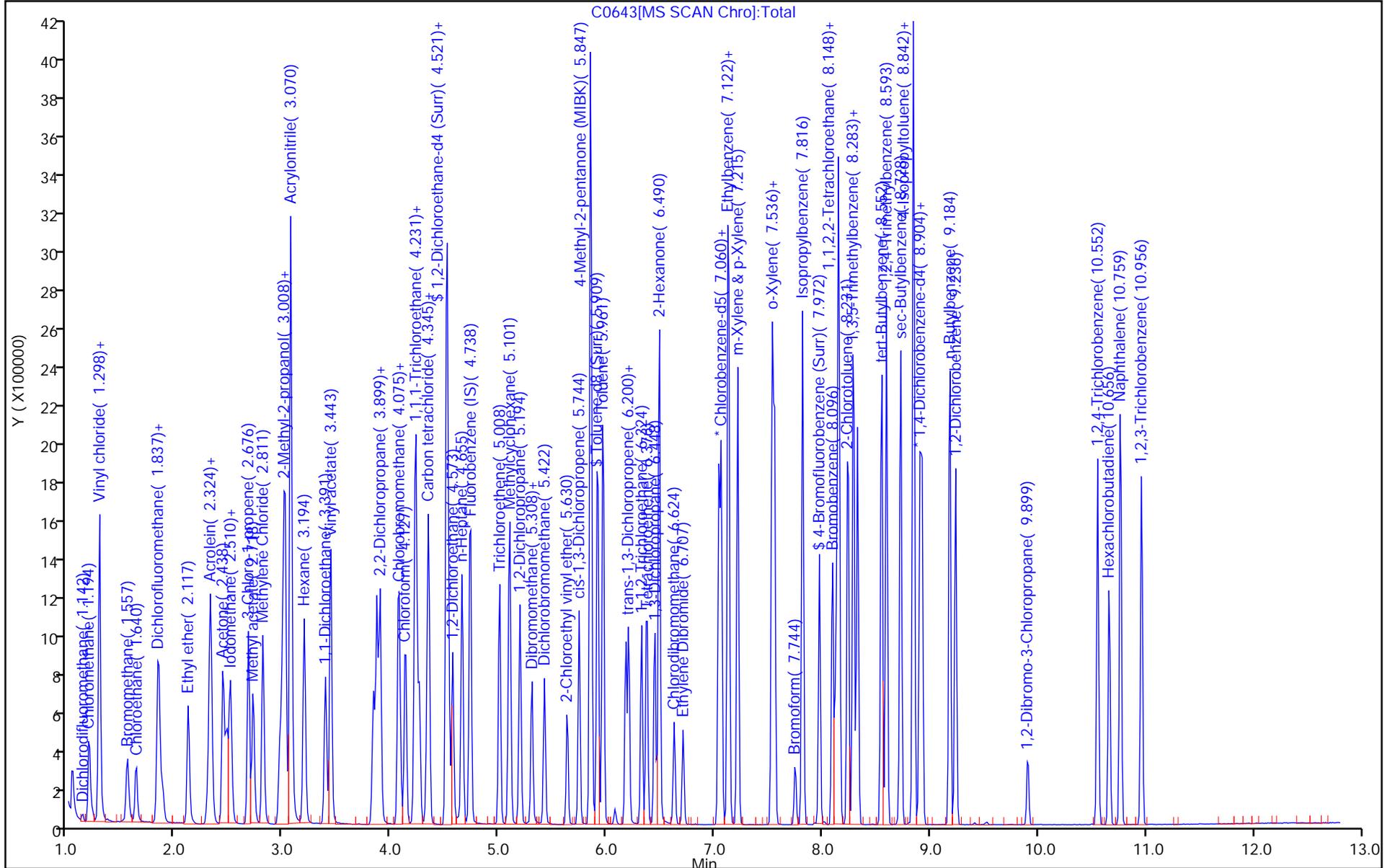
Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo

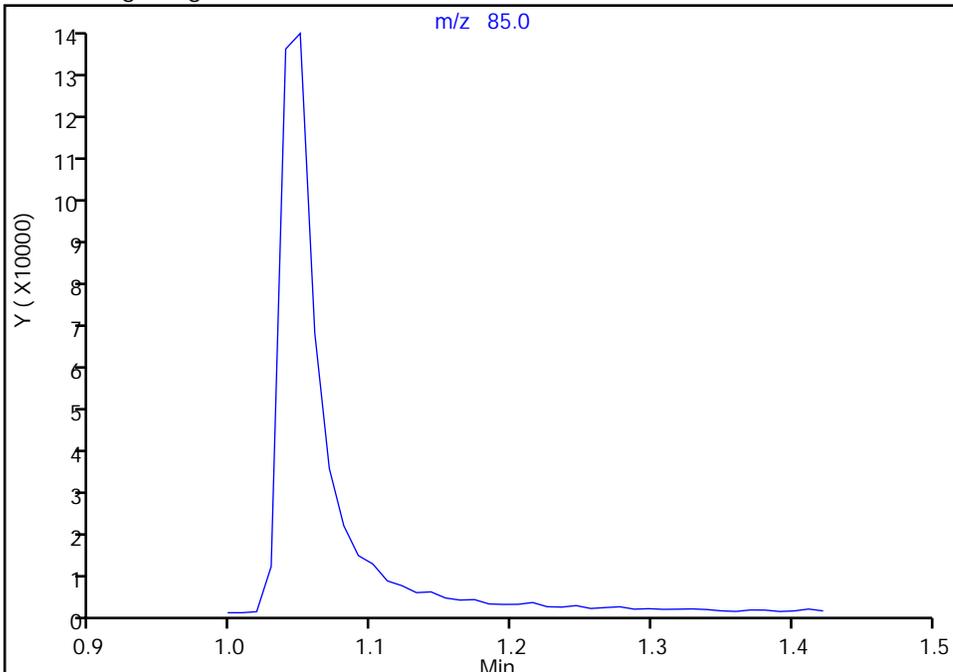
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0643.D
Injection Date: 18-Nov-2021 10:21:30 Instrument ID: HP5973C
Lims ID: CCVIS
Client ID:
Operator ID: OI ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

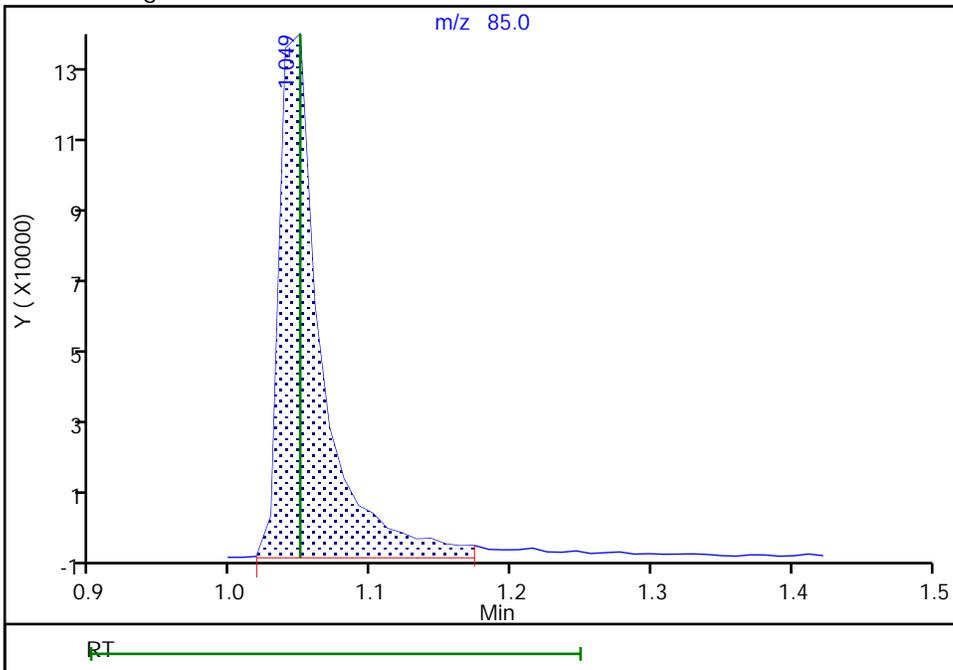
Not Detected
Expected RT: 1.05

Processing Integration Results



RT: 1.05
Area: 273191
Amount: 27.467965
Amount Units: ug/L

Manual Integration Results



Reviewer: dahnw, 18-Nov-2021 16:09:18
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0376.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 13-Nov-2021 16:26:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0102400-004
 Operator ID: WD Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 14-Nov-2021 11:11:25 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1643

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
\$ 61 BFB	95	5.364	5.364	0.000	0	61745	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

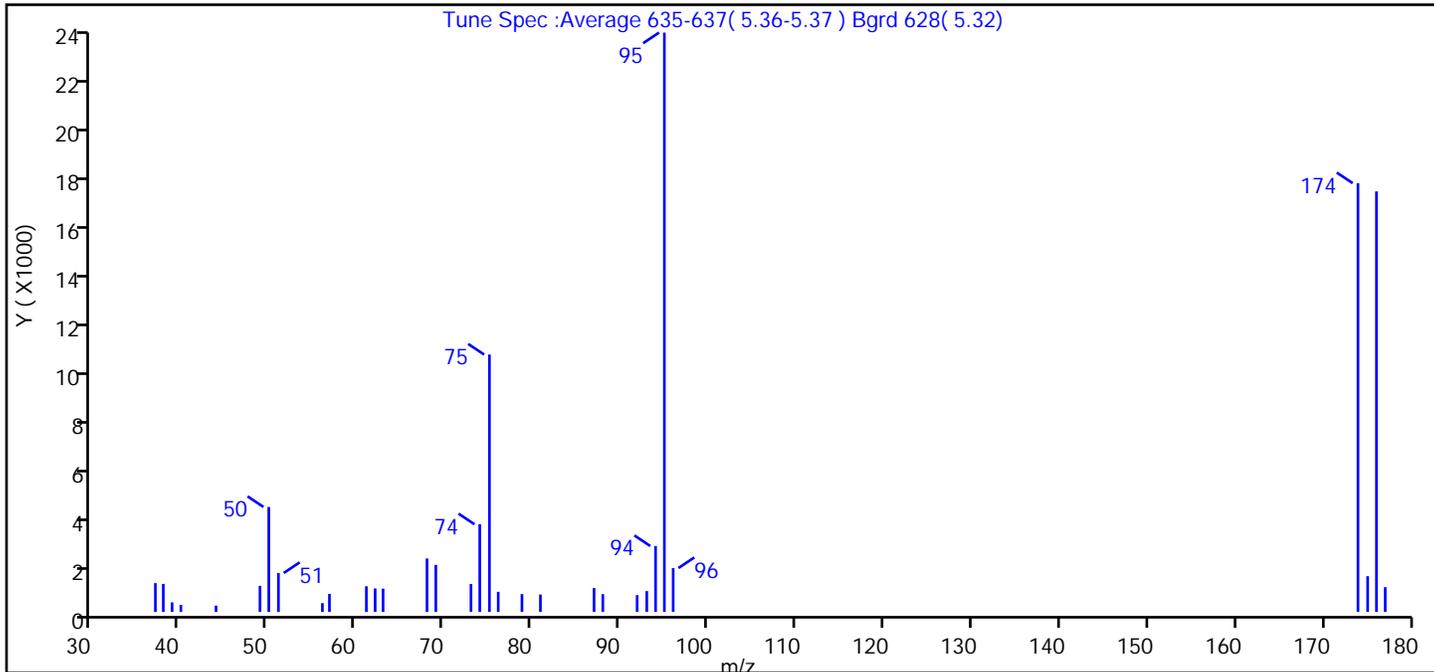
Reagents:

BFB_WRK_00129 Amount Added: 1.00 Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0376.D
 Injection Date: 13-Nov-2021 16:26:30 Instrument ID: HP5973C
 Lims ID: BFB
 Client ID:
 Operator ID: WD ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: C-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.1
75	30 to 60% of m/z 95	44.4
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	74.0
175	5 to 9% of m/z 174	6.2 (8.3)
176	Greater than 95% but less than 101% of m/z 174	72.6 (98.1)
177	5 to 9% of m/z 176	4.3 (5.9)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0376.D\C-8260.rslt\spectra.d
Injection Date: 13-Nov-2021 16:26:30
Spectrum: Tune Spec :Average 635-637(5.36-5.37) Bgrd 628(5.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 32

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1175	56.00	359	74.00	3573	93.00	850
38.00	1142	57.00	733	75.00	10489	94.00	2687
39.00	390	61.00	1048	76.00	822	95.00	23608
40.00	286	62.00	959	79.00	728	96.00	1790
44.00	258	63.00	950	81.00	711	174.00	17472
49.00	1063	68.00	2178	87.00	975	175.00	1458
50.00	4278	69.00	1917	88.00	725	176.00	17136
51.00	1588	73.00	1141	92.00	686	177.00	1010

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0376.D

Injection Date: 13-Nov-2021 16:26:30

Instrument ID: HP5973C

Operator ID: WD

Lims ID: BFB

Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 uL

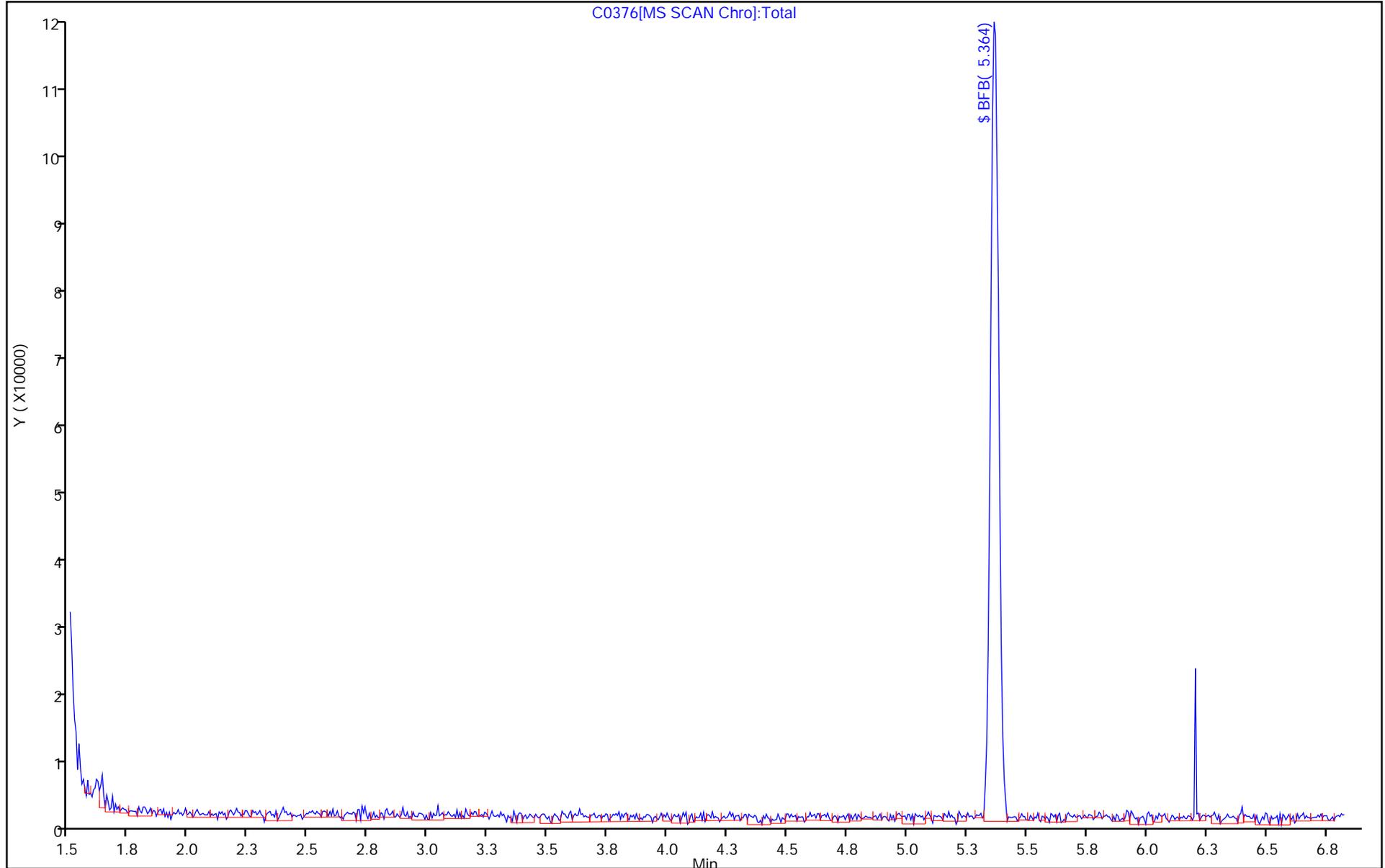
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0642.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 18-Nov-2021 09:56:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: BFB
 Misc. Info.: 480-0102526-001
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 10:06:22 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1679

First Level Reviewer: izquierdoo Date: 18-Nov-2021 10:06:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
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\$ 61 BFB	95	5.389	5.389	0.000	0	467036	NR	NR	
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QC Flag Legend

Processing Flags

NR - Missing Quant Standard

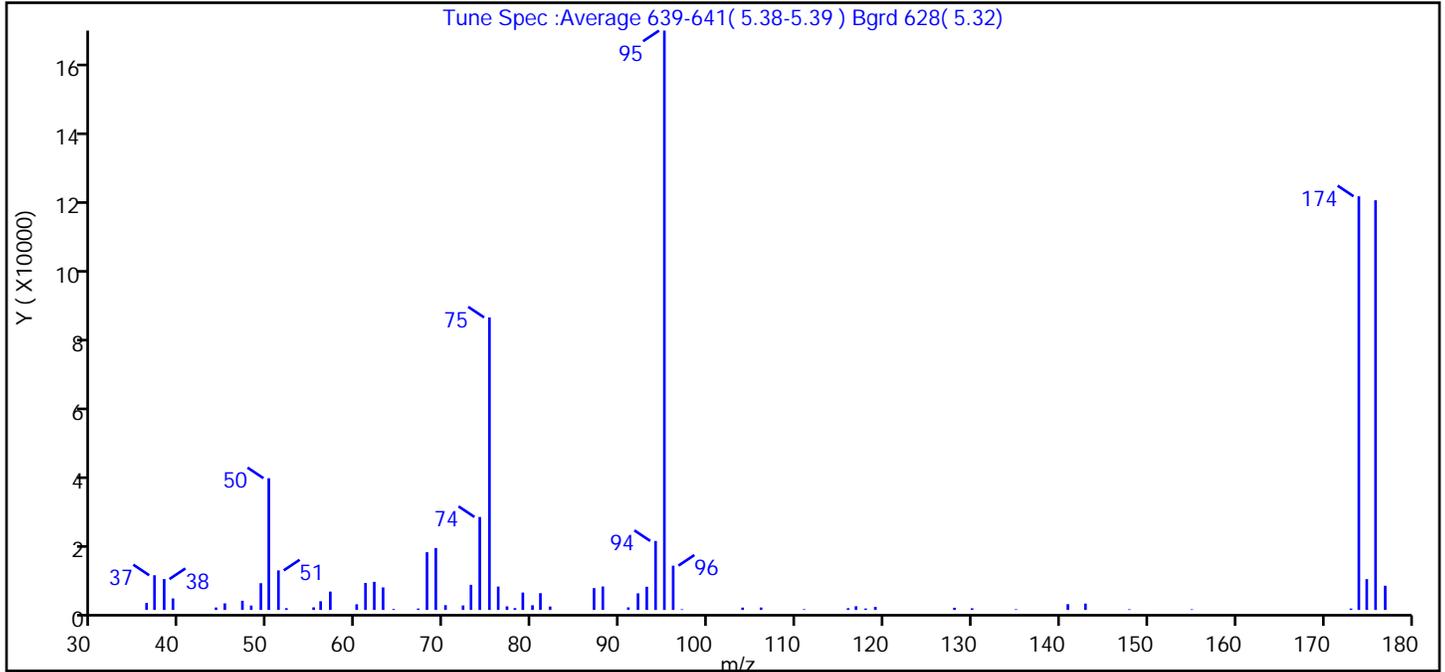
Reagents:

BFB_WRK_00129 Amount Added: 1.00 Units: uL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0642.D
 Injection Date: 18-Nov-2021 09:56:30 Instrument ID: HP5973C
 Lims ID: BFB
 Client ID:
 Operator ID: OI ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Method: C-8260 Limit Group: MV - 8260C ICAL
 Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.7
75	30 to 60% of m/z 95	50.5
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	71.4
175	5 to 9% of m/z 174	5.3 (7.5)
176	Greater than 95% but less than 101% of m/z 174	70.7 (99.0)
177	5 to 9% of m/z 176	4.2 (5.9)

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0642.D\C-8260.rslt\spectra.d
Injection Date: 18-Nov-2021 09:56:30
Spectrum: Tune Spec :Average 639-641(5.38-5.39) Bgrd 628(5.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1986	61.00	7615	80.00	1326	117.00	1046
37.00	9782	62.00	7930	81.00	4737	118.00	402
38.00	8713	63.00	6356	82.00	972	119.00	871
39.00	3244	64.00	257	87.00	6168	128.00	624
44.00	696	67.00	394	88.00	6617	130.00	464
45.00	1851	68.00	16282	91.00	732	135.00	183
47.00	2594	69.00	17464	92.00	4688	141.00	1631
48.00	1240	70.00	1351	93.00	6543	143.00	1796
49.00	7548	72.00	1263	94.00	19456	148.00	179
50.00	37152	73.00	7086	95.00	163392	155.00	171
51.00	11156	74.00	26224	96.00	12495	173.00	388
52.00	496	75.00	82496	97.00	188	174.00	116664
55.00	740	76.00	6599	104.00	670	175.00	8695
56.00	2454	77.00	1016	106.00	692	176.00	115536
57.00	5184	78.00	521	111.00	202	177.00	6823
60.00	1596	79.00	4915	116.00	491		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0642.D

Injection Date: 18-Nov-2021 09:56:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

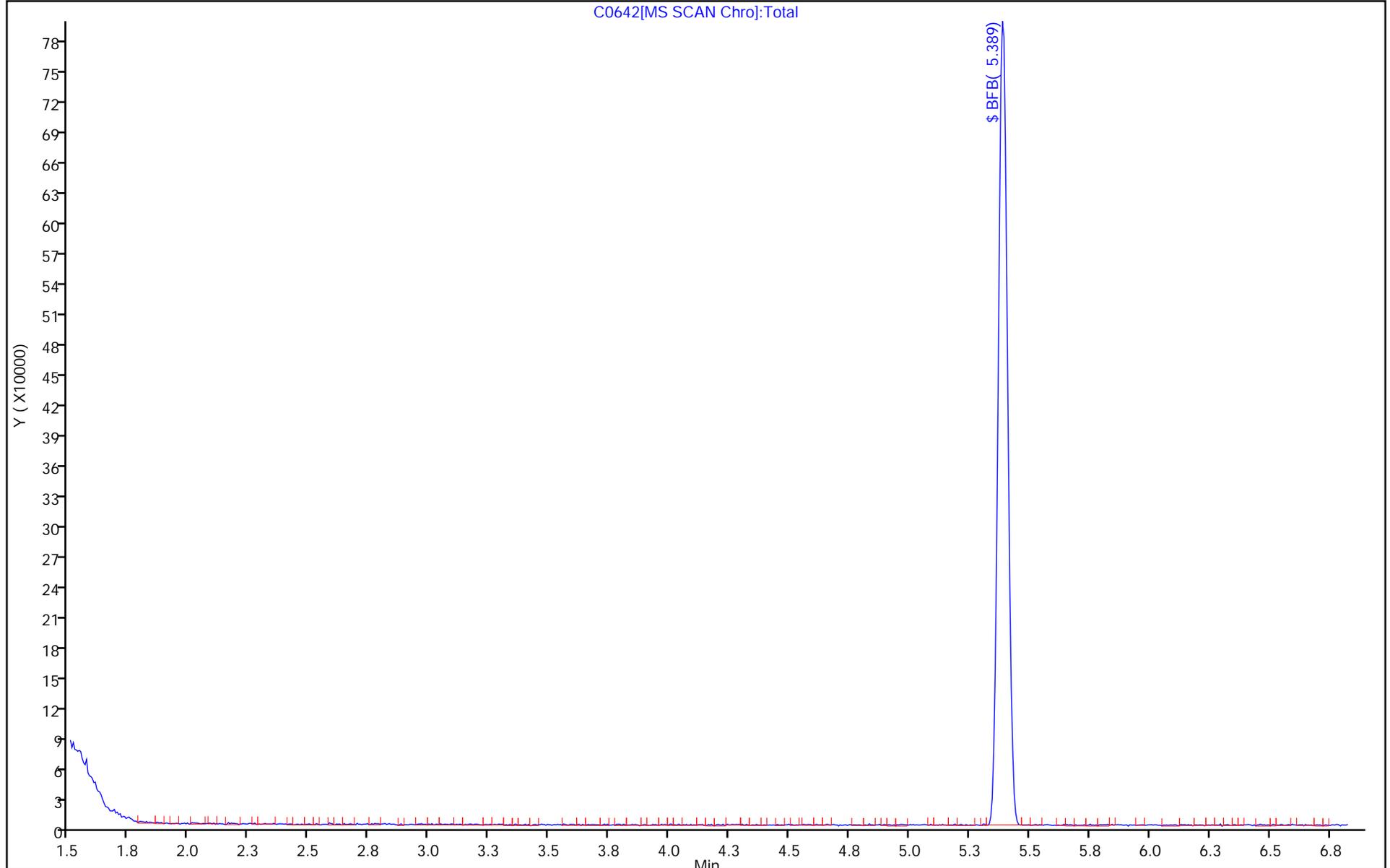
ALS Bottle#: 1

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)

C0642[MS SCAN Chro]:Total



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-605537/6
 Matrix: Water Lab File ID: C0647.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 11:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-605537/6
 Matrix: Water Lab File ID: C0647.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 11:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	1.3
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	81		73-120
1868-53-7	Dibromofluoromethane (Surr)	100		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0647.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 18-Nov-2021 11:53:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 480-0102526-006
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:18:24 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 16:18:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	98	228789	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	89	385959	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	97	340658	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	300339	25.0	24.9	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	97	189859	25.0	26.4	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	893143	25.0	24.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.971	0.001	83	220180	25.0	20.3	
10 Dichlorodifluoromethane	85		1.049					ND	
11 Chlorodifluoromethane	51		1.059					ND	
12 Chloromethane	50		1.194					ND	
13 Vinyl chloride	62		1.288					ND	
151 Butadiene	54		1.298					ND	
14 Bromomethane	94		1.557					ND	
15 Chloroethane	64		1.640					ND	
16 Dichlorofluoromethane	67		1.837					ND	
17 Trichlorofluoromethane	101		1.847					ND	
18 Ethyl ether	59		2.117					ND	
148 Ethanol	45		2.137					ND	U
19 Propene oxide	58		2.199					ND	
20 Acrolein	56		2.293					ND	
21 112TCTFE	101		2.313					ND	
22 1,1-Dichloroethene	96		2.324					ND	
23 Acetone	43		2.438					ND	
25 Iodomethane	142		2.479					ND	
26 Carbon disulfide	76		2.510					ND	
24 Isopropyl alcohol	45		2.624					ND	U
28 3-Chloro-1-propene	41		2.676					ND	
27 Methyl acetate	43		2.718					ND	
29 Acetonitrile	40		2.728					ND	
30 Methylene Chloride	84		2.811					ND	
31 2-Methyl-2-propanol	59		2.966					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.008					ND	
34 trans-1,2-Dichloroethene	96		3.018					ND	
33 Acrylonitrile	53		3.070					ND	
35 Hexane	57		3.194					ND	
39 1,1-Dichloroethane	63		3.391					ND	
36 Isopropyl ether	45		3.401					ND	
135 Halothane	117		3.432					ND	
40 2-Chloro-1,3-butadiene	53		3.443					ND	
37 Vinyl acetate	43		3.443					ND	7
38 1,1-Dimethoxyethane	75		3.474					ND	
41 Tert-butyl ethyl ether	59		3.692					ND	
44 2,2-Dichloropropane	77		3.837					ND	
45 cis-1,2-Dichloroethene	96		3.868					ND	
43 2-Butanone (MEK)	43		3.899					ND	
42 Ethyl acetate	43		3.930					ND	
46 Propionitrile	54		3.982					ND	
48 Chlorobromomethane	128		4.065					ND	
47 Methacrylonitrile	41		4.075					ND	
49 Tetrahydrofuran	42		4.075					ND	
50 Chloroform	83	4.137	4.137	0.000	94	2323		0.0971	
51 1,1,1-Trichloroethane	97		4.220					ND	
52 Cyclohexane	56		4.231					ND	
55 Carbon tetrachloride	117		4.334					ND	
54 1,1-Dichloropropene	75		4.345					ND	
152 Isooctane	57		4.510					ND	
57 Benzene	78		4.510					ND	
53 Isobutyl alcohol	43		4.531					ND	
147 t-Amyl alcohol	59		4.572					ND	
56 Tert-amyl methyl ether	73		4.572					ND	U
58 1,2-Dichloroethane	62		4.573					ND	
59 n-Heptane	43		4.655					ND	
1 1,4-Difluorobenzene	114		4.821					ND	
141 2,4,4-Trimethyl-1-pentene	55		4.914					ND	
62 Trichloroethene	95		5.008					ND	
60 n-Butanol	56		5.028					ND	
140 2,4,4-Trimethyl-2-pentene	97		5.101					ND	
142 Ethyl acrylate	55		5.101					ND	
64 Methylcyclohexane	83		5.101					ND	
65 1,2-Dichloropropane	63		5.194					ND	
63 Methyl methacrylate	41		5.267					ND	
66 1,4-Dioxane	88		5.308					ND	
67 Dibromomethane	93		5.308					ND	
68 Dichlorobromomethane	83		5.422					ND	
70 2-Nitropropane	43		5.619					ND	
69 2-Chloroethyl vinyl ether	63		5.630					ND	
71 Epichlorohydrin	57		5.712					ND	
72 cis-1,3-Dichloropropene	75		5.744					ND	
73 4-Methyl-2-pentanone (MIBK)	43		5.847					ND	7
74 Toluene	92		5.961					ND	
76 2-Methylthiophene	97		6.075					ND	
77 trans-1,3-Dichloropropene	75		6.179					ND	
78 3-Methylthiophene	97		6.199					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
75 Ethyl methacrylate	69		6.200					ND	
79 1,1,2-Trichloroethane	83		6.324					ND	
81 Tetrachloroethene	166		6.376					ND	
82 1,3-Dichloropropane	76		6.448					ND	
80 2-Hexanone	43		6.490					ND	
155 n-Butyl acetate	43		6.562					ND	
83 Chlorodibromomethane	129		6.624					ND	
84 Ethylene Dibromide	107		6.707					ND	
146 1-Chlorohexane	55		7.018					ND	
85 3-Chlorobenzotrifluoride	180		7.028					ND	
87 Chlorobenzene	112		7.060					ND	
86 4-Chlorobenzotrifluoride	180		7.070					ND	
88 Ethylbenzene	91		7.122					ND	
89 1,1,1,2-Tetrachloroethane	131		7.132					ND	
90 m-Xylene & p-Xylene	106		7.215					ND	
91 o-Xylene	106		7.536					ND	
92 Styrene	104		7.557					ND	
95 Bromoform	173		7.744					ND	
93 2-Chlorobenzotrifluoride	180		7.764					ND	
94 Isopropylbenzene	105		7.816					ND	
96 Cyclohexanone	55		7.961					ND	
101 Bromobenzene	156		8.096					ND	
97 1,1,2,2-Tetrachloroethane	83		8.127					ND	
99 N-Propylbenzene	91		8.148					ND	
100 1,2,3-Trichloropropane	110		8.158					ND	
98 trans-1,4-Dichloro-2-butene	53		8.158					ND	
103 2-Chlorotoluene	126		8.241					ND	
102 1,3,5-Trimethylbenzene	105		8.283					ND	
104 3-Chlorotoluene	126		8.293					ND	
105 4-Chlorotoluene	126		8.324					ND	
106 tert-Butylbenzene	134		8.552					ND	
107 1,2,4-Trimethylbenzene	105		8.593					ND	
108 Pentachloroethane	167		8.604					ND	
109 sec-Butylbenzene	105		8.728					ND	
110 4-Isopropyltoluene	119		8.842					ND	
111 1,3-Dichlorobenzene	146		8.853					ND	7
114 Dicyclopentadiene	66		8.904					ND	
113 1,4-Dichlorobenzene	146		8.925					ND	
112 1,2,3-Trimethylbenzene	105		8.946					ND	
150 Benzyl chloride	126		9.049					ND	
115 n-Butylbenzene	91		9.184					ND	
116 1,2-Dichlorobenzene	146		9.236					ND	
117 1,2-Dibromo-3-Chloropropane	75		9.899					ND	
118 1,3,5-Trichlorobenzene	180		10.034					ND	
119 1,2,4-Trichlorobenzene	180		10.552					ND	
120 Hexachlorobutadiene	225		10.656					ND	
121 Naphthalene	128		10.759					ND	
122 1,2,3-Trichlorobenzene	180		10.956					ND	
149 2-Methylnaphthalene	142		11.640					ND	
139 cis-1,4-Dichloro-2-butene	88		0.000					ND	
144 1-Bromopropane TIC	1		0.000					ND	
143 Propene oxide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
136 Hexachloroethane	117		0.000					ND	
137 Nitrobenzene	77		0.000					ND	
145 Ethylene oxide TIC	1		0.000					ND	
S 123 Total BTEX	1		30.000					ND	7
S 124 Xylenes, Total	1		30.000					ND	7
S 126 1,3-Dichloropropene, Total	1		30.000					ND	7
S 125 1,2-Dichloroethene, Total	1		30.000					ND	7
S 157 Trihalomethanes, Total	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0647.D

Injection Date: 18-Nov-2021 11:53:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

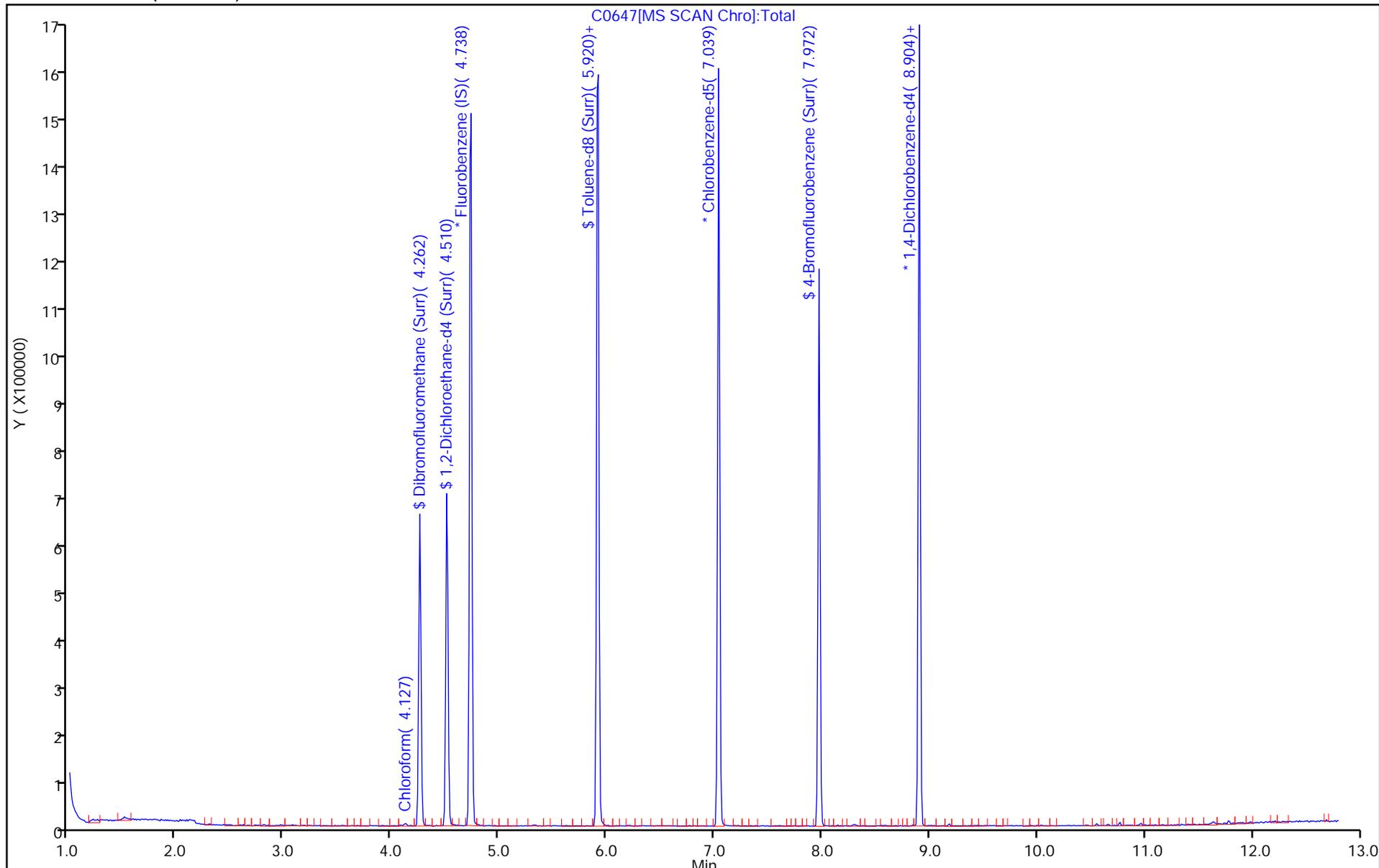
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-605537/4
 Matrix: Water Lab File ID: C0645.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 11:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.4		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	27.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	23.4		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.3		1.0	0.31
75-34-3	1,1-Dichloroethane	25.7		1.0	0.38
75-35-4	1,1-Dichloroethene	22.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	21.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1.0	0.39
95-50-1	1,2-Dichlorobenzene	24.3		1.0	0.79
107-06-2	1,2-Dichloroethane	24.9		1.0	0.21
78-87-5	1,2-Dichloropropane	25.9		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.3		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.0		1.0	0.84
78-93-3	2-Butanone (MEK)	116		10	1.3
591-78-6	2-Hexanone	107		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	120		5.0	2.1
67-64-1	Acetone	165		10	3.0
71-43-2	Benzene	24.2		1.0	0.41
75-27-4	Bromodichloromethane	24.9		1.0	0.39
75-25-2	Bromoform	20.4		1.0	0.26
74-83-9	Bromomethane	23.8		1.0	0.69
75-15-0	Carbon disulfide	23.6		1.0	0.19
56-23-5	Carbon tetrachloride	23.1		1.0	0.27
108-90-7	Chlorobenzene	23.2		1.0	0.75
124-48-1	Dibromochloromethane	23.1		1.0	0.32
75-00-3	Chloroethane	27.2		1.0	0.32
67-66-3	Chloroform	23.5		1.0	0.34
74-87-3	Chloromethane	30.8		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.5		1.0	0.36
110-82-7	Cyclohexane	23.9		1.0	0.18
75-71-8	Dichlorodifluoromethane	25.4		1.0	0.68
100-41-4	Ethylbenzene	23.3		1.0	0.74
106-93-4	1,2-Dibromoethane	22.0		1.0	0.73
98-82-8	Isopropylbenzene	28.5		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-605537/4
 Matrix: Water Lab File ID: C0645.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 11:07
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	46.3		2.5	1.3
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
108-87-2	Methylcyclohexane	21.0		1.0	0.16
75-09-2	Methylene Chloride	25.0		1.0	0.44
100-42-5	Styrene	22.2		1.0	0.73
127-18-4	Tetrachloroethene	20.4		1.0	0.36
108-88-3	Toluene	24.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	23.6		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	24.7		1.0	0.37
79-01-6	Trichloroethene	23.4		1.0	0.46
75-69-4	Trichlorofluoromethane	24.7		1.0	0.88
75-01-4	Vinyl chloride	27.2		1.0	0.90
1330-20-7	Xylenes, Total	46.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		77-120
460-00-4	4-Bromofluorobenzene (Surr)	83		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0645.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 18-Nov-2021 11:07:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 480-0102526-004
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 18-Nov-2021 16:38:46 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1628

First Level Reviewer: dahnw

Date: 18-Nov-2021 16:41:17

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.728	4.738	-0.010	98	231726	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	87	403195	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	97	335530	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	299690	25.0	24.5	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	98	191102	25.0	26.2	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	94	954681	25.0	25.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	84	235718	25.0	20.8	
10 Dichlorodifluoromethane	85	1.039	1.049	-0.010	0	244547	25.0	25.4	M
12 Chloromethane	50	1.194	1.194	0.000	99	444875	25.0	30.8	
13 Vinyl chloride	62	1.287	1.288	-0.001	97	343146	25.0	27.2	
151 Butadiene	54	1.298	1.298	0.000	97	422367	25.0	32.7	
14 Bromomethane	94	1.557	1.557	0.000	92	206031	25.0	23.8	
15 Chloroethane	64	1.629	1.640	-0.011	99	220534	25.0	27.2	
16 Dichlorofluoromethane	67	1.837	1.837	0.000	98	511648	25.0	26.6	
17 Trichlorofluoromethane	101	1.847	1.847	0.000	96	364549	25.0	24.7	
18 Ethyl ether	59	2.116	2.117	-0.001	97	325311	25.0	25.4	
20 Acrolein	56	2.293	2.293	0.000	98	43203	125.0	54.1	
21 112TCTFE	101	2.313	2.313	0.000	95	237057	25.0	21.3	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	95	255861	25.0	22.5	
23 Acetone	43	2.438	2.438	0.000	98	976307	125.0	165.4	
25 Iodomethane	142	2.479	2.479	0.000	99	452452	25.0	21.6	
26 Carbon disulfide	76	2.510	2.510	0.000	100	898892	25.0	23.6	
28 3-Chloro-1-propene	41	2.676	2.676	0.000	89	600352	25.0	25.4	
27 Methyl acetate	43	2.717	2.718	-0.001	99	778767	50.0	46.3	
30 Methylene Chloride	84	2.811	2.811	0.000	98	331234	25.0	25.0	
31 2-Methyl-2-propanol	59	2.977	2.966	0.011	98	568587	250.0	212.2	
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	99	1013959	25.0	24.5	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	95	318968	25.0	23.6	
33 Acrylonitrile	53	3.070	3.070	0.000	99	1969964	250.0	232.6	
35 Hexane	57	3.194	3.194	0.000	95	414060	25.0	22.0	
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	615251	25.0	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 Vinyl acetate	43	3.443	3.443	0.000	97	1793120	50.0	55.3	
44 2,2-Dichloropropane	77	3.837	3.837	0.000	92	335504	25.0	30.9	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	81	354257	25.0	23.8	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	98	1236323	125.0	116.3	
48 Chlorobromomethane	128	4.065	4.065	0.000	94	181017	25.0	21.8	
49 Tetrahydrofuran	42	4.075	4.075	0.000	92	327945	50.0	43.8	
50 Chloroform	83	4.127	4.137	-0.010	96	569661	25.0	23.5	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	430886	25.0	23.4	
52 Cyclohexane	56	4.230	4.231	-0.001	95	556847	25.0	23.9	
55 Carbon tetrachloride	117	4.334	4.334	0.000	96	330634	25.0	23.1	
54 1,1-Dichloropropene	75	4.344	4.345	-0.001	92	411878	25.0	23.9	
57 Benzene	78	4.510	4.510	0.000	98	1205060	25.0	24.2	
53 Isobutyl alcohol	43	4.531	4.531	0.000	93	571556	625.0	581.8	
58 1,2-Dichloroethane	62	4.572	4.573	-0.001	96	472462	25.0	24.9	
59 n-Heptane	43	4.655	4.655	0.000	97	458729	25.0	22.2	
62 Trichloroethene	95	5.008	5.008	0.000	96	300865	25.0	23.4	
64 Methylcyclohexane	83	5.101	5.101	0.000	98	463753	25.0	21.0	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	94	319696	25.0	25.9	
66 1,4-Dioxane	88	5.308	5.308	0.000	39	65218	500.0	364.5	
67 Dibromomethane	93	5.308	5.308	0.000	92	204256	25.0	23.7	
68 Dichlorobromomethane	83	5.422	5.422	0.000	97	353002	25.0	24.9	
69 2-Chloroethyl vinyl ether	63	5.629	5.630	-0.001	93	176604	25.0	22.1	
72 cis-1,3-Dichloropropene	75	5.743	5.744	-0.001	92	412358	25.0	23.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	99	2298880	125.0	120.3	
74 Toluene	92	5.961	5.961	0.000	97	659810	25.0	24.4	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	97	344666	25.0	24.7	
75 Ethyl methacrylate	69	6.199	6.200	-0.001	93	358841	25.0	23.3	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	93	203512	25.0	23.4	
81 Tetrachloroethene	166	6.376	6.376	0.000	91	238455	25.0	20.4	
82 1,3-Dichloropropane	76	6.448	6.448	0.000	96	407035	25.0	24.8	
80 2-Hexanone	43	6.490	6.490	0.000	99	1366631	125.0	107.5	
83 Chlorodibromomethane	129	6.624	6.625	0.000	91	209882	25.0	23.1	
84 Ethylene Dibromide	107	6.707	6.707	0.000	98	240069	25.0	22.0	
87 Chlorobenzene	112	7.060	7.060	0.000	93	689681	25.0	23.2	
88 Ethylbenzene	91	7.122	7.122	0.000	99	1249891	25.0	23.3	
89 1,1,1,2-Tetrachloroethane	131	7.132	7.132	0.000	93	251527	25.0	23.9	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	95	477147	25.0	22.9	
91 o-Xylene	106	7.536	7.537	0.000	98	502668	25.0	23.5	
92 Styrene	104	7.557	7.557	0.000	95	747903	25.0	22.2	
95 Bromoform	173	7.744	7.744	0.000	94	111664	25.0	20.4	
94 Isopropylbenzene	105	7.816	7.816	0.000	96	1336928	25.0	28.5	
101 Bromobenzene	156	8.096	8.096	0.000	97	279353	25.0	26.7	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	380001	25.0	27.8	
99 N-Propylbenzene	91	8.148	8.148	0.000	99	1507512	25.0	28.3	
100 1,2,3-Trichloropropane	110	8.158	8.158	0.000	90	111377	25.0	24.4	
98 trans-1,4-Dichloro-2-butene	53	8.158	8.158	0.000	75	56417	25.0	13.2	
103 2-Chlorotoluene	126	8.241	8.241	0.000	96	301590	25.0	27.3	
102 1,3,5-Trimethylbenzene	105	8.282	8.283	-0.001	94	1110057	25.0	27.6	
105 4-Chlorotoluene	126	8.324	8.324	0.000	98	279413	25.0	26.3	
106 tert-Butylbenzene	134	8.552	8.552	0.000	94	231175	25.0	27.5	
107 1,2,4-Trimethylbenzene	105	8.593	8.594	0.000	97	1141517	25.0	27.1	
109 sec-Butylbenzene	105	8.728	8.728	0.000	95	1398520	25.0	27.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.842	8.842	0.000	98	1177195	25.0	26.6	
111 1,3-Dichlorobenzene	146	8.852	8.853	-0.001	98	541310	25.0	25.3	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	93	537212	25.0	24.0	
115 n-Butylbenzene	91	9.184	9.184	0.000	98	1075844	25.0	26.6	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	95	561744	25.0	24.3	
117 1,2-Dibromo-3-Chloropropane	75	9.899	9.899	0.000	80	66157	25.0	21.0	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	94	407242	25.0	21.9	
120 Hexachlorobutadiene	225	10.656	10.656	0.000	95	157265	25.0	19.2	
121 Naphthalene	128	10.759	10.759	0.000	98	1337446	25.0	21.6	
122 1,2,3-Trichlorobenzene	180	10.956	10.956	0.000	95	407033	25.0	21.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8260 CORP mix_00217

Amount Added: 12.50

Units: uL

GAS CORP mix_00481

Amount Added: 12.50

Units: uL

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0645.D

Injection Date: 18-Nov-2021 11:07:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

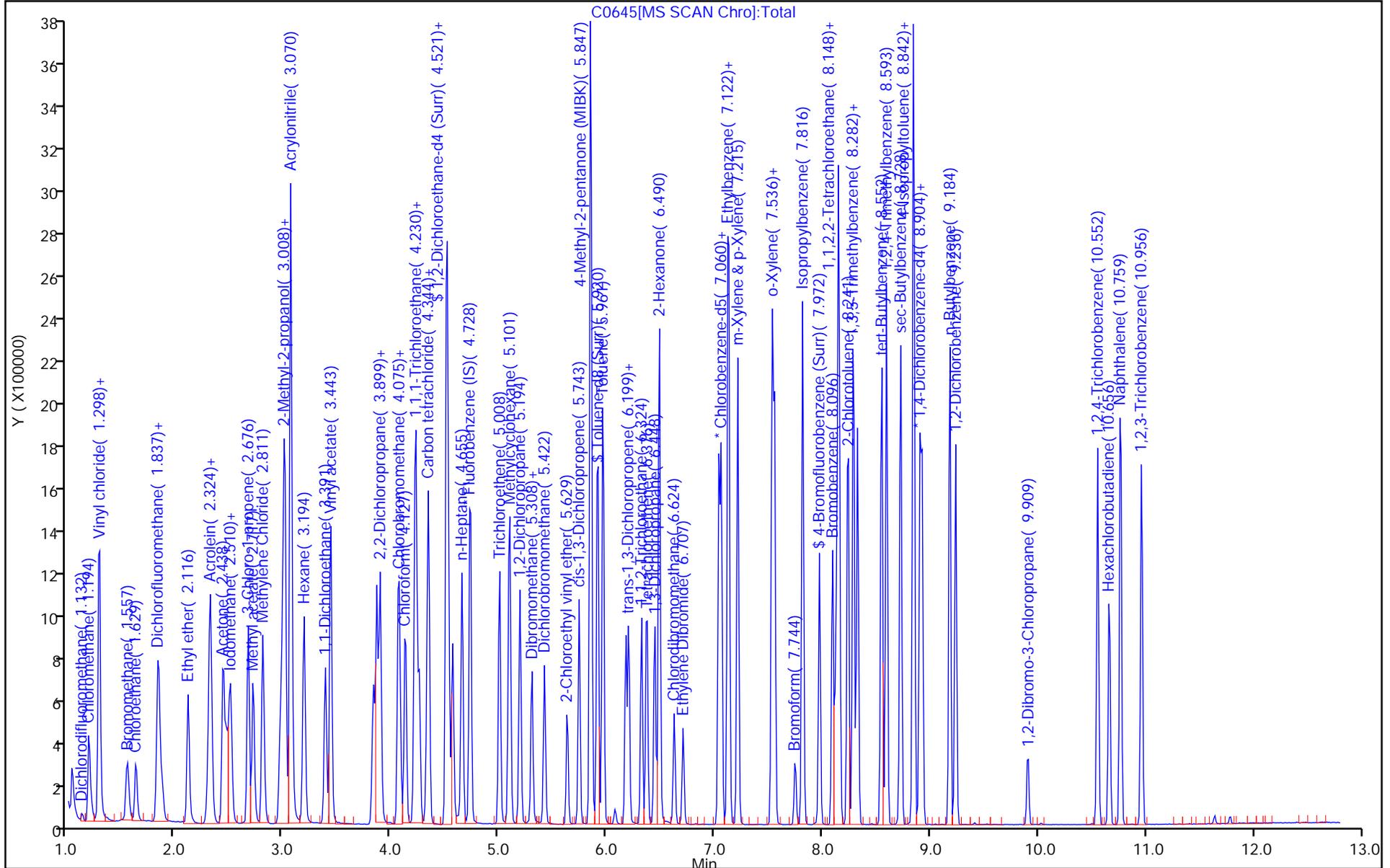
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

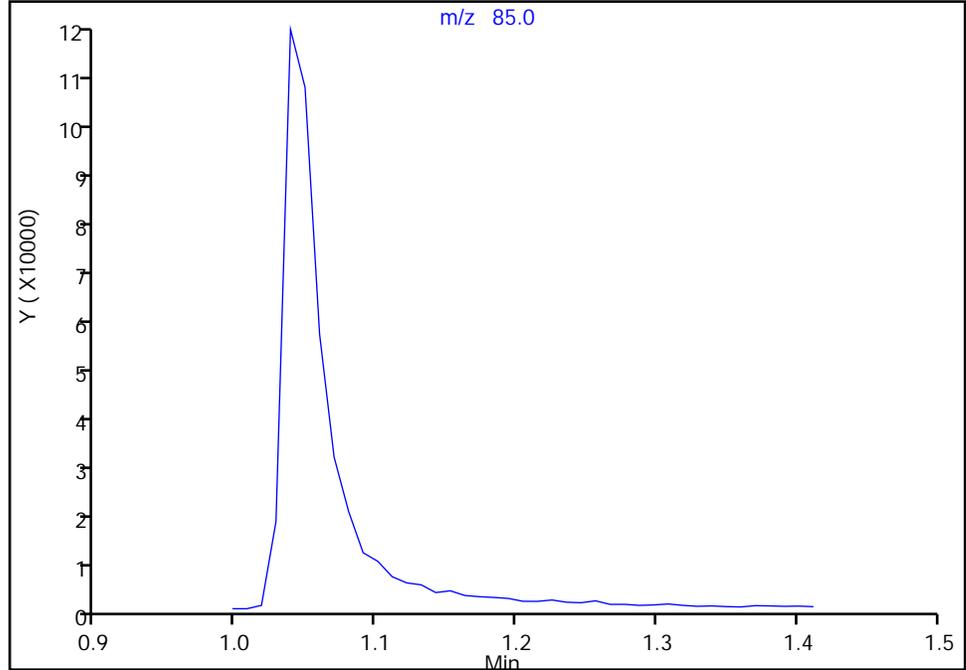
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0645.D
Injection Date: 18-Nov-2021 11:07:30 Instrument ID: HP5973C
Lims ID: LCS
Client ID:
Operator ID: OI ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

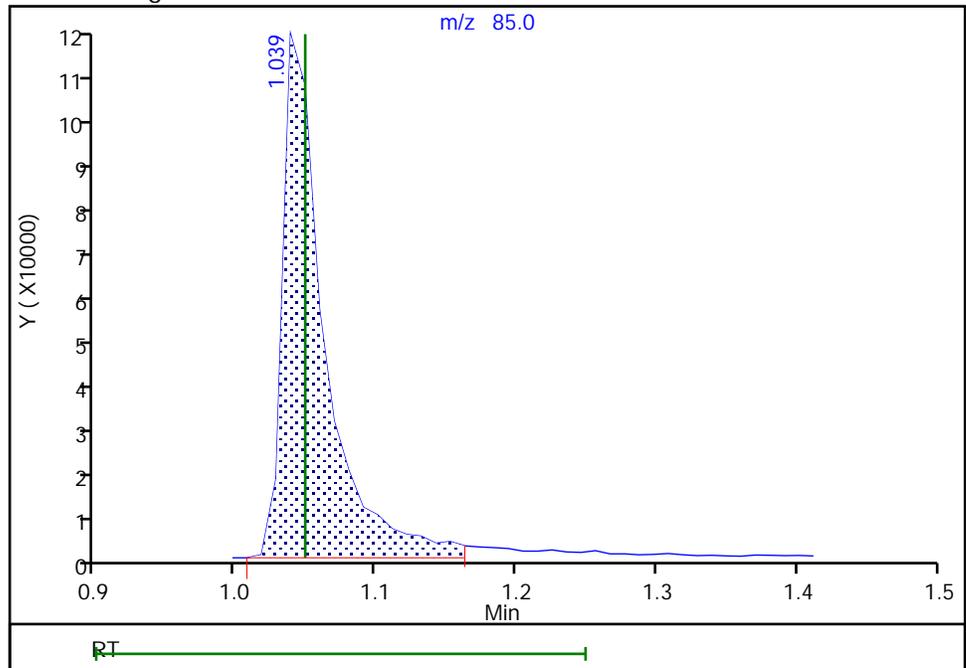
Not Detected
Expected RT: 1.05

Processing Integration Results



RT: 1.04
Area: 244547
Amount: 25.382174
Amount Units: ug/L

Manual Integration Results



Reviewer: izquierdoo, 18-Nov-2021 11:25:49
Audit Action: Manually Integrated

Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS Lab Sample ID: 480-192275-4 MS
 Matrix: Water Lab File ID: C0670.D
 Analysis Method: 8260C Date Collected: 11/10/2021 11:44
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 20:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	28.1		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	28.8		1.0	0.21
79-00-5	1,1,2-Trichloroethane	23.7		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.8		1.0	0.31
75-34-3	1,1-Dichloroethane	29.6		1.0	0.38
75-35-4	1,1-Dichloroethene	26.9		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.2		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.2		1.0	0.39
95-50-1	1,2-Dichlorobenzene	25.2		1.0	0.79
107-06-2	1,2-Dichloroethane	26.5		1.0	0.21
78-87-5	1,2-Dichloropropane	27.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	25.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.6		1.0	0.84
78-93-3	2-Butanone (MEK)	113		10	1.3
591-78-6	2-Hexanone	109		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	129		5.0	2.1
67-64-1	Acetone	148		10	3.0
71-43-2	Benzene	26.9		1.0	0.41
75-27-4	Bromodichloromethane	25.9		1.0	0.39
75-25-2	Bromoform	17.7		1.0	0.26
74-83-9	Bromomethane	29.4		1.0	0.69
75-15-0	Carbon disulfide	27.1		1.0	0.19
56-23-5	Carbon tetrachloride	27.7		1.0	0.27
108-90-7	Chlorobenzene	24.7		1.0	0.75
124-48-1	Dibromochloromethane	22.7		1.0	0.32
75-00-3	Chloroethane	33.5		1.0	0.32
67-66-3	Chloroform	26.1		1.0	0.34
74-87-3	Chloromethane	31.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.0		1.0	0.36
110-82-7	Cyclohexane	30.1		1.0	0.18
75-71-8	Dichlorodifluoromethane	33.1		1.0	0.68
100-41-4	Ethylbenzene	25.7		1.0	0.74
106-93-4	1,2-Dibromoethane	22.8		1.0	0.73
98-82-8	Isopropylbenzene	31.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS Lab Sample ID: 480-192275-4 MS
 Matrix: Water Lab File ID: C0670.D
 Analysis Method: 8260C Date Collected: 11/10/2021 11:44
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 20:52
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	48.2		2.5	1.3
1634-04-4	Methyl tert-butyl ether	26.6		1.0	0.16
108-87-2	Methylcyclohexane	25.0		1.0	0.16
75-09-2	Methylene Chloride	28.5		1.0	0.44
100-42-5	Styrene	23.8		1.0	0.73
127-18-4	Tetrachloroethene	22.4		1.0	0.36
108-88-3	Toluene	26.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	27.3		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.2		1.0	0.37
79-01-6	Trichloroethene	25.6		1.0	0.46
75-69-4	Trichlorofluoromethane	32.8		1.0	0.88
75-01-4	Vinyl chloride	37.0		1.0	0.90
1330-20-7	Xylenes, Total	50.4		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		77-120
460-00-4	4-Bromofluorobenzene (Surr)	84		73-120
1868-53-7	Dibromofluoromethane (Surr)	101		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0670.D
 Lims ID: 480-192275-D-4 MS
 Client ID: 828021-GW-04
 Sample Type: MS
 Inject. Date: 18-Nov-2021 20:52:30 ALS Bottle#: 29 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-D-4 MS
 Misc. Info.: 480-0102526-029
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 19-Nov-2021 09:38:50 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: lapointec

Date: 19-Nov-2021 09:38:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	98	220243	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	392710	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	97	331351	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	293206	25.0	25.2	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	95	183323	25.0	26.5	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	95	922465	25.0	24.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	85	232472	25.0	21.0	
10 Dichlorodifluoromethane	85	1.039	1.039	-0.010	99	302968	25.0	33.1	Ma
12 Chloromethane	50	1.194	1.194	0.000	99	429486	25.0	31.3	
13 Vinyl chloride	62	1.287	1.288	-0.001	97	443907	25.0	37.0	
14 Bromomethane	94	1.546	1.557	-0.011	92	241982	25.0	29.4	
15 Chloroethane	64	1.629	1.640	-0.011	98	258140	25.0	33.5	
17 Trichlorofluoromethane	101	1.837	1.847	-0.010	98	459795	25.0	32.8	
21 112TCTFE	101	2.313	2.313	0.000	95	262307	25.0	24.8	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	94	290391	25.0	26.9	
23 Acetone	43	2.438	2.438	0.000	98	831164	125.0	147.6	
26 Carbon disulfide	76	2.510	2.510	0.000	100	980115	25.0	27.1	
27 Methyl acetate	43	2.717	2.718	-0.001	100	771170	50.0	48.2	
30 Methylene Chloride	84	2.811	2.808	0.000	97	357938	25.0	28.5	
32 Methyl tert-butyl ether	73	3.008	3.008	0.000	99	1044313	25.0	26.6	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	95	350915	25.0	27.3	
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	675181	25.0	29.6	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	82	389588	25.0	27.5	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	98	1138094	125.0	112.6	
50 Chloroform	83	4.137	4.137	0.000	96	601860	25.0	26.1	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	97	492830	25.0	28.1	
52 Cyclohexane	56	4.230	4.231	-0.001	96	665367	25.0	30.1	
55 Carbon tetrachloride	117	4.334	4.334	0.000	95	376561	25.0	27.7	
57 Benzene	78	4.521	4.510	0.011	98	1276143	25.0	26.9	
58 1,2-Dichloroethane	62	4.572	4.573	-0.001	97	477994	25.0	26.5	
62 Trichloroethene	95	5.008	5.008	0.000	96	312857	25.0	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.101	5.101	0.000	97	524871	25.0	25.0	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	93	321999	25.0	27.4	
68 Dichlorobromomethane	83	5.422	5.422	0.000	98	347982	25.0	25.9	
72 cis-1,3-Dichloropropene	75	5.743	5.744	-0.001	91	383592	25.0	23.0	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	99	2399269	125.0	128.9	
74 Toluene	92	5.961	5.961	0.000	97	692815	25.0	26.3	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	96	315026	25.0	23.2	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	92	200677	25.0	23.7	
81 Tetrachloroethene	166	6.376	6.376	0.000	92	254967	25.0	22.4	
80 2-Hexanone	43	6.490	6.490	0.000	99	1351215	125.0	109.1	
83 Chlorodibromomethane	129	6.624	6.625	0.000	90	201095	25.0	22.7	
84 Ethylene Dibromide	107	6.707	6.707	0.000	97	242962	25.0	22.8	
87 Chlorobenzene	112	7.060	7.060	0.000	92	716884	25.0	24.7	
88 Ethylbenzene	91	7.122	7.122	0.000	99	1341398	25.0	25.7	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	95	510625		25.1	
91 o-Xylene	106	7.536	7.536	0.000	98	526146		25.3	
92 Styrene	104	7.557	7.557	0.000	95	778876	25.0	23.8	
95 Bromoform	173	7.754	7.744	0.010	95	94669	25.0	17.7	
94 Isopropylbenzene	105	7.816	7.816	0.000	96	1456062	25.0	31.4	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	96	389414	25.0	28.8	
111 1,3-Dichlorobenzene	146	8.852	8.853	-0.001	97	547220	25.0	25.9	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	92	545043	25.0	24.6	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	96	575430	25.0	25.2	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.899	0.010	76	72017	25.0	23.2	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	94	426982	25.0	23.2	
S 124 Xylenes, Total	1				0			50.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 12.50

Units: uL

GAS CORP mix_00481

Amount Added: 12.50

Units: uL

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0670.D

Injection Date: 18-Nov-2021 20:52:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-D-4 MS

Worklist Smp#: 29

Client ID: 828021-GW-04

Purge Vol: 5.000 mL

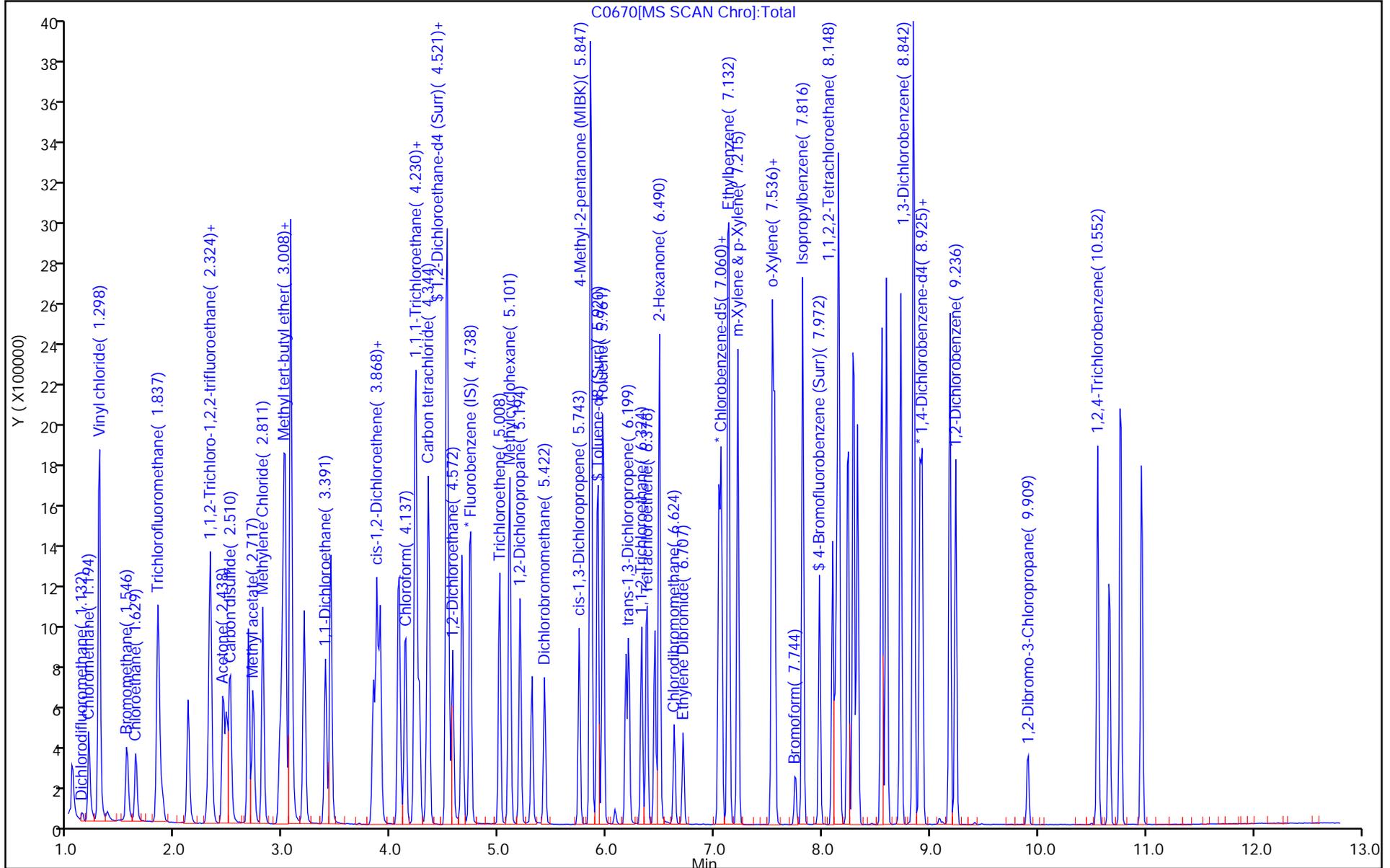
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

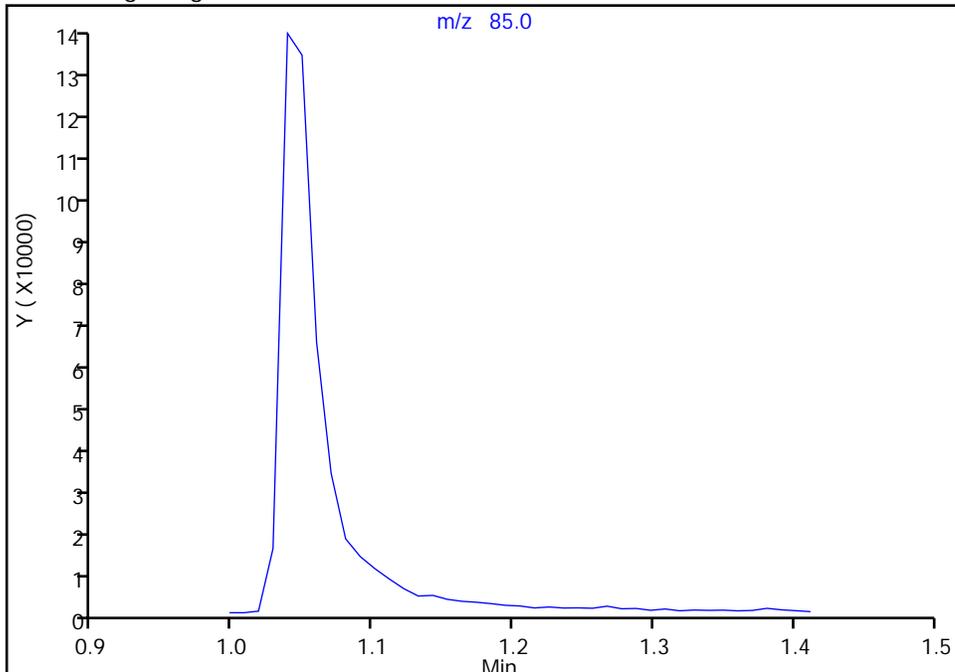
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0670.D
Injection Date: 18-Nov-2021 20:52:30 Instrument ID: HP5973C
Lims ID: 480-192275-D-4 MS
Client ID: 828021-GW-04
Operator ID: OI ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

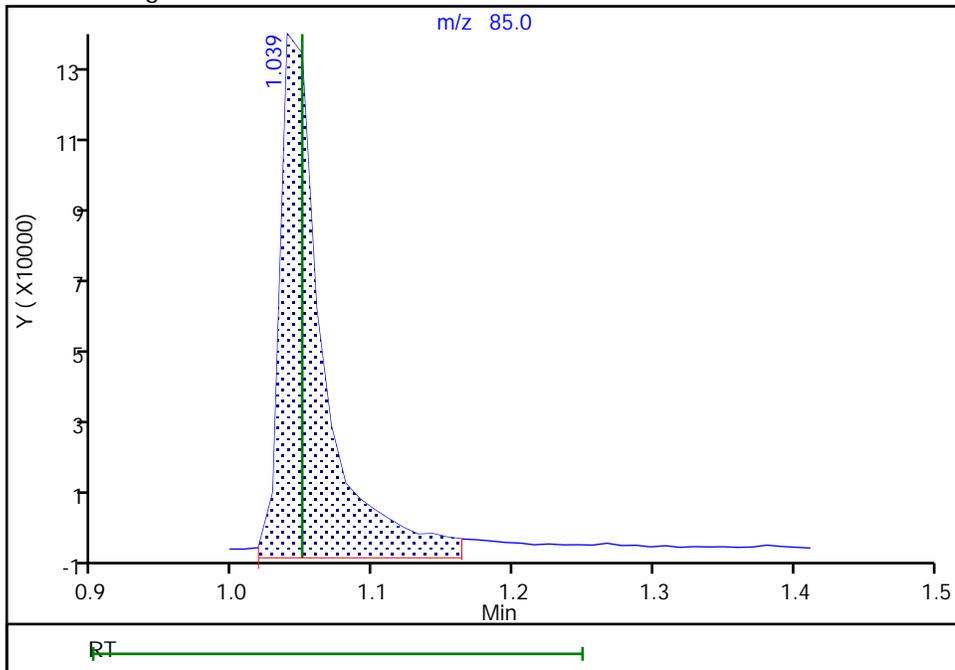
Not Detected
Expected RT: 1.05

Processing Integration Results



Manual Integration Results

RT: 1.04
Area: 302968
Amount: 33.085361
Amount Units: ug/L



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD Lab Sample ID: 480-192275-4 MSD
 Matrix: Water Lab File ID: C0671.D
 Analysis Method: 8260C Date Collected: 11/10/2021 11:44
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 21:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	28.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	32.6		1.0	0.21
79-00-5	1,1,2-Trichloroethane	26.0		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25.6		1.0	0.31
75-34-3	1,1-Dichloroethane	30.1		1.0	0.38
75-35-4	1,1-Dichloroethene	28.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	25.5		1.0	0.39
95-50-1	1,2-Dichlorobenzene	28.5		1.0	0.79
107-06-2	1,2-Dichloroethane	27.2		1.0	0.21
78-87-5	1,2-Dichloropropane	28.6		1.0	0.72
541-73-1	1,3-Dichlorobenzene	29.0		1.0	0.78
106-46-7	1,4-Dichlorobenzene	27.8		1.0	0.84
78-93-3	2-Butanone (MEK)	116		10	1.3
591-78-6	2-Hexanone	118		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	137		5.0	2.1
67-64-1	Acetone	152		10	3.0
71-43-2	Benzene	27.5		1.0	0.41
75-27-4	Bromodichloromethane	27.3		1.0	0.39
75-25-2	Bromoform	20.9		1.0	0.26
74-83-9	Bromomethane	28.6		1.0	0.69
75-15-0	Carbon disulfide	27.3		1.0	0.19
56-23-5	Carbon tetrachloride	28.1		1.0	0.27
108-90-7	Chlorobenzene	26.7		1.0	0.75
124-48-1	Dibromochloromethane	25.4		1.0	0.32
75-00-3	Chloroethane	34.7		1.0	0.32
67-66-3	Chloroform	26.6		1.0	0.34
74-87-3	Chloromethane	33.6		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	27.5		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	24.1		1.0	0.36
110-82-7	Cyclohexane	30.6		1.0	0.18
75-71-8	Dichlorodifluoromethane	30.9		1.0	0.68
100-41-4	Ethylbenzene	27.6		1.0	0.74
106-93-4	1,2-Dibromoethane	24.1		1.0	0.73
98-82-8	Isopropylbenzene	35.4		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD Lab Sample ID: 480-192275-4 MSD
 Matrix: Water Lab File ID: C0671.D
 Analysis Method: 8260C Date Collected: 11/10/2021 11:44
 Sample wt/vol: 5 (mL) Date Analyzed: 11/18/2021 21:15
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (20) ID: 0.18 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 605537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	47.7		2.5	1.3
1634-04-4	Methyl tert-butyl ether	27.0		1.0	0.16
108-87-2	Methylcyclohexane	26.0		1.0	0.16
75-09-2	Methylene Chloride	29.1		1.0	0.44
100-42-5	Styrene	25.5		1.0	0.73
127-18-4	Tetrachloroethene	24.4		1.0	0.36
108-88-3	Toluene	28.4		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.1		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.9		1.0	0.37
79-01-6	Trichloroethene	26.5		1.0	0.46
75-69-4	Trichlorofluoromethane	34.5		1.0	0.88
75-01-4	Vinyl chloride	37.8		1.0	0.90
1330-20-7	Xylenes, Total	54.7		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	85		73-120
1868-53-7	Dibromofluoromethane (Surr)	98		75-123

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0671.D
 Lims ID: 480-192275-D-4 MSD
 Client ID: 828021-GW-04
 Sample Type: MSD
 Inject. Date: 18-Nov-2021 21:15:30 ALS Bottle#: 30 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 480-192275-D-4 MSD
 Misc. Info.: 480-0102526-030
 Operator ID: OI Instrument ID: HP5973C
 Method: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C-8260.m
 Limit Group: MV - 8260C ICAL
 Last Update: 19-Nov-2021 09:44:10 Calib Date: 14-Nov-2021 00:04:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973C\20211113-102400.b\C0396.D
 Column 1 : ZB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1684

First Level Reviewer: lapointec

Date: 19-Nov-2021 09:44:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.738	4.738	0.000	98	217994	25.0	25.0	
* 2 Chlorobenzene-d5	82	7.039	7.039	0.000	88	371172	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.904	8.904	0.000	97	301546	25.0	25.0	
\$ 154 Dibromofluoromethane (Surr)	113	4.262	4.262	0.000	92	282488	25.0	24.6	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.510	4.510	0.000	93	173707	25.0	25.3	
\$ 5 Toluene-d8 (Surr)	98	5.920	5.920	0.000	95	894048	25.0	25.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	7.972	7.972	0.001	83	223220	25.0	21.4	
10 Dichlorodifluoromethane	85	1.039	1.039	-0.010	98	280274	25.0	30.9	Ma
12 Chloromethane	50	1.194	1.194	0.000	99	456183	25.0	33.6	
13 Vinyl chloride	62	1.277	1.288	-0.011	98	448031	25.0	37.8	
14 Bromomethane	94	1.546	1.557	-0.011	91	233375	25.0	28.6	
15 Chloroethane	64	1.629	1.640	-0.011	98	265030	25.0	34.7	
17 Trichlorofluoromethane	101	1.837	1.847	-0.010	67	478766	25.0	34.5	
21 112TCTFE	101	2.313	2.313	0.000	95	267948	25.0	25.6	
22 1,1-Dichloroethene	96	2.324	2.324	0.000	95	301108	25.0	28.2	
23 Acetone	43	2.438	2.438	0.000	98	843958	125.0	151.6	
26 Carbon disulfide	76	2.500	2.510	-0.010	100	978319	25.0	27.3	
27 Methyl acetate	43	2.717	2.718	-0.001	100	754675	50.0	47.7	
30 Methylene Chloride	84	2.811	2.808	0.000	97	362274	25.0	29.1	
32 Methyl tert-butyl ether	73	2.997	3.008	-0.011	99	1051630	25.0	27.0	
34 trans-1,2-Dichloroethene	96	3.018	3.018	0.000	94	357496	25.0	28.1	
39 1,1-Dichloroethane	63	3.391	3.391	0.000	96	679626	25.0	30.1	
45 cis-1,2-Dichloroethene	96	3.868	3.868	0.000	82	385874	25.0	27.5	
43 2-Butanone (MEK)	43	3.899	3.899	0.000	98	1164320	125.0	116.4	
50 Chloroform	83	4.127	4.137	-0.010	96	606406	25.0	26.6	
51 1,1,1-Trichloroethane	97	4.220	4.220	0.000	98	497886	25.0	28.7	
52 Cyclohexane	56	4.230	4.231	-0.001	96	668755	25.0	30.6	
55 Carbon tetrachloride	117	4.334	4.334	0.000	95	378670	25.0	28.1	
57 Benzene	78	4.521	4.510	0.011	97	1290310	25.0	27.5	
58 1,2-Dichloroethane	62	4.572	4.573	-0.001	96	486409	25.0	27.2	
62 Trichloroethene	95	5.008	5.008	0.000	97	320527	25.0	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
64 Methylcyclohexane	83	5.101	5.101	0.000	98	539769	25.0	26.0	
65 1,2-Dichloropropane	63	5.194	5.194	0.000	94	332925	25.0	28.6	
68 Dichlorobromomethane	83	5.422	5.422	0.000	98	363861	25.0	27.3	
72 cis-1,3-Dichloropropene	75	5.743	5.744	-0.001	92	396951	25.0	24.1	
73 4-Methyl-2-pentanone (MIBK)	43	5.847	5.847	0.000	99	2410602	125.0	137.0	
74 Toluene	92	5.961	5.961	0.000	97	705943	25.0	28.4	
77 trans-1,3-Dichloropropene	75	6.179	6.179	0.000	98	332343	25.0	25.9	
79 1,1,2-Trichloroethane	83	6.324	6.324	0.000	92	208648	25.0	26.0	
81 Tetrachloroethene	166	6.376	6.376	0.000	91	262106	25.0	24.4	
80 2-Hexanone	43	6.490	6.490	0.000	98	1378865	125.0	117.8	
83 Chlorodibromomethane	129	6.624	6.625	0.000	90	212450	25.0	25.4	
84 Ethylene Dibromide	107	6.707	6.707	0.000	98	242957	25.0	24.1	
87 Chlorobenzene	112	7.060	7.060	0.000	93	732217	25.0	26.7	
88 Ethylbenzene	91	7.122	7.122	0.000	99	1362798	25.0	27.6	
90 m-Xylene & p-Xylene	106	7.215	7.215	0.000	95	510158		26.6	
91 o-Xylene	106	7.536	7.536	0.000	98	552602		28.1	
92 Styrene	104	7.557	7.557	0.000	95	789789	25.0	25.5	
95 Bromoform	173	7.754	7.744	0.010	96	105539	25.0	20.9	
94 Isopropylbenzene	105	7.816	7.816	0.000	96	1491371	25.0	35.4	
97 1,1,2,2-Tetrachloroethane	83	8.127	8.127	0.000	95	400107	25.0	32.6	
111 1,3-Dichlorobenzene	146	8.852	8.853	-0.001	97	557327	25.0	29.0	
113 1,4-Dichlorobenzene	146	8.925	8.925	0.000	92	558923	25.0	27.8	
116 1,2-Dichlorobenzene	146	9.236	9.236	0.000	95	592107	25.0	28.5	
117 1,2-Dibromo-3-Chloropropane	75	9.909	9.899	0.010	75	71999	25.0	25.5	
119 1,2,4-Trichlorobenzene	180	10.552	10.552	0.000	94	450222	25.0	26.9	
S 124 Xylenes, Total	1				0			54.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260 CORP mix_00217

Amount Added: 12.50

Units: uL

GAS CORP mix_00481

Amount Added: 12.50

Units: uL

C_8260_Surr_00177

Amount Added: 2.00

Units: uL

Run Reagent

C_8260_IS_00159

Amount Added: 2.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0671.D

Injection Date: 18-Nov-2021 21:15:30

Instrument ID: HP5973C

Operator ID: OI

Lims ID: 480-192275-D-4 MSD

Worklist Smp#: 30

Client ID: 828021-GW-04

Purge Vol: 5.000 mL

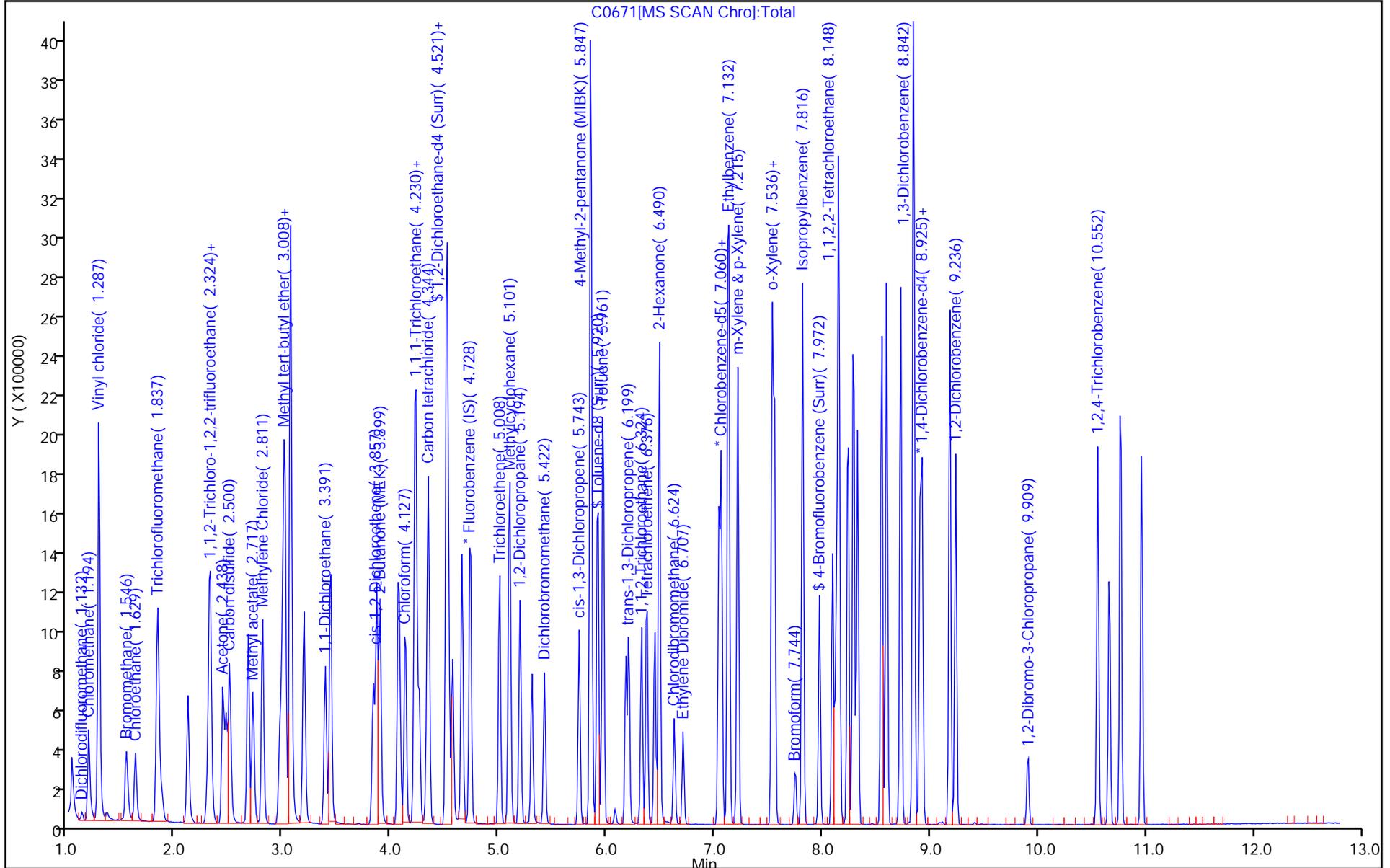
Dil. Factor: 1.0000

ALS Bottle#: 30

Method: C-8260

Limit Group: MV - 8260C ICAL

Column: ZB-624 (0.18 mm)



Eurofins TestAmerica, Buffalo

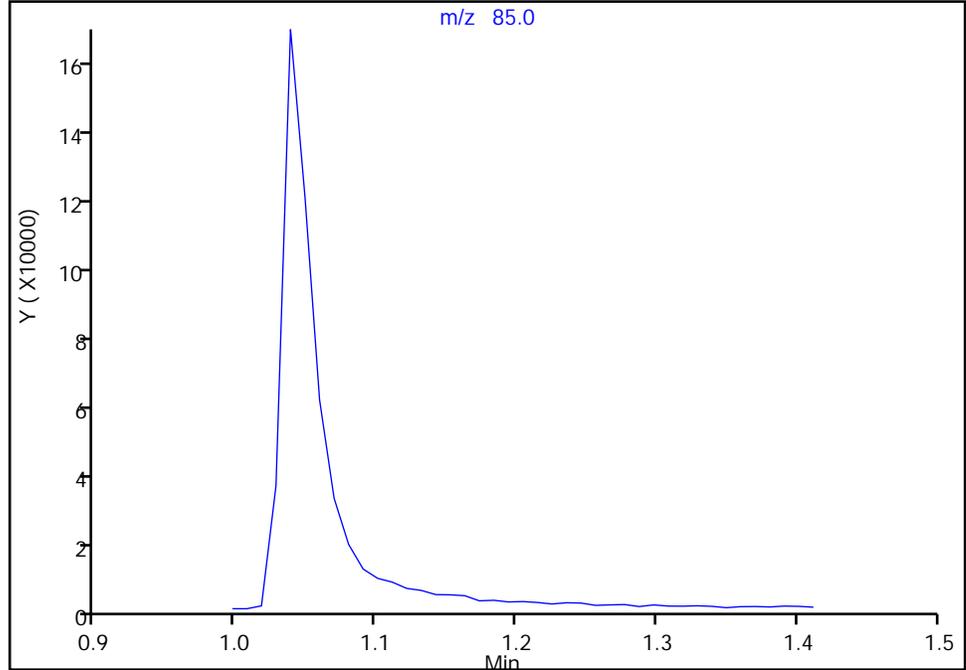
Data File: \\chromfs\Buffalo\ChromData\HP5973C\20211118-102526.b\C0671.D
Injection Date: 18-Nov-2021 21:15:30 Instrument ID: HP5973C
Lims ID: 480-192275-D-4 MSD
Client ID: 828021-GW-04
Operator ID: OI ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: C-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.18 mm) Detector: MS SCAN

10 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

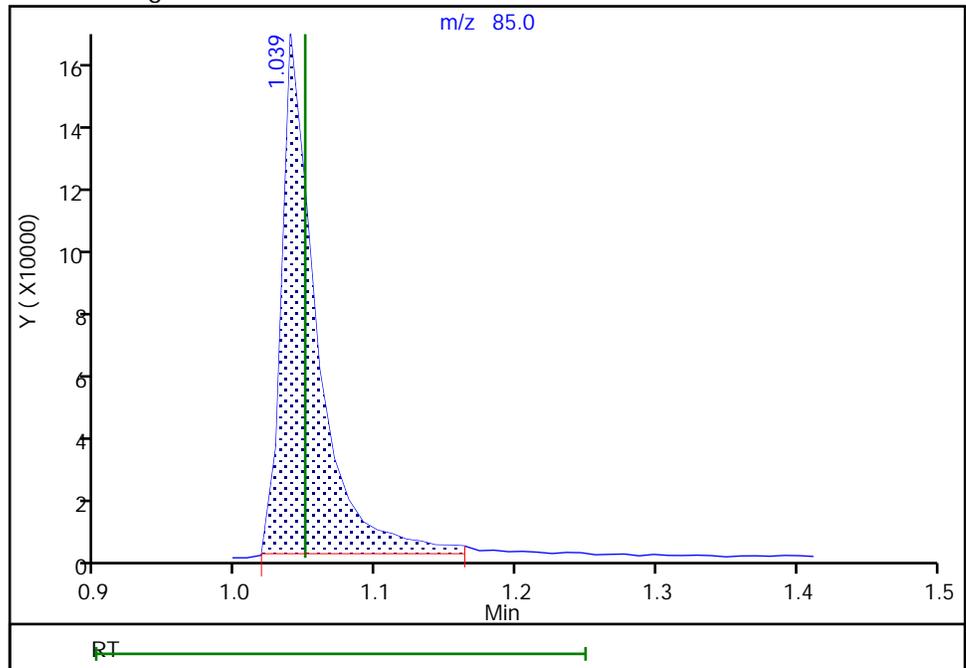
Not Detected
Expected RT: 1.05

Processing Integration Results



Manual Integration Results

RT: 1.04
Area: 280274
Amount: 30.922850
Amount Units: ug/L



Reviewer: lapointec, 19-Nov-2021 09:39:23
Audit Action: Manually Integrated

Audit Reason: Poor chromatography

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-192275-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 11/13/2021 16:26Analysis Batch Number: 604814End Date: 11/14/2021 01:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-604814/4		11/13/2021 16:26	1	C0376.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/6		11/13/2021 17:13	1	C0378.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/7		11/13/2021 17:36	1	C0379.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/8		11/13/2021 17:59	1	C0380.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/9		11/13/2021 18:22	1	C0381.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/10		11/13/2021 18:45	1	C0382.D	ZB-624 (20) 0.18 (mm)
ICIS 480-604814/11		11/13/2021 19:07	1	C0383.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/12		11/13/2021 19:30	1	C0384.D	ZB-624 (20) 0.18 (mm)
IC 480-604814/13		11/13/2021 19:53	1	C0385.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/13/2021 20:39	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/18		11/13/2021 21:47	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/19		11/13/2021 22:10	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/20		11/13/2021 22:32	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/21		11/13/2021 22:55	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/22		11/13/2021 23:18	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/23		11/13/2021 23:41	1		ZB-624 (20) 0.18 (mm)
IC 480-604814/24		11/14/2021 00:04	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/14/2021 00:49	1		ZB-624 (20) 0.18 (mm)
ICV 480-604814/27		11/14/2021 01:12	1	C0399.D	ZB-624 (20) 0.18 (mm)
ICV 480-604814/28		11/14/2021 01:35	1		ZB-624 (20) 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-192275-1

SDG No.: _____

Instrument ID: HP5973CStart Date: 11/18/2021 09:56Analysis Batch Number: 605537End Date: 11/18/2021 21:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-605537/1		11/18/2021 09:56	1	C0642.D	ZB-624 (20) 0.18 (mm)
CCVIS 480-605537/2		11/18/2021 10:21	1	C0643.D	ZB-624 (20) 0.18 (mm)
CCV 480-605537/3		11/18/2021 10:44	1		ZB-624 (20) 0.18 (mm)
LCS 480-605537/4		11/18/2021 11:07	1	C0645.D	ZB-624 (20) 0.18 (mm)
MB 480-605537/6		11/18/2021 11:53	1	C0647.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 12:27	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 12:50	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 13:13	20		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 13:36	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 13:59	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 14:22	2		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 14:45	50		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 15:08	20		ZB-624 (20) 0.18 (mm)
480-192275-1	828021-GW-14	11/18/2021 15:31	2	C0656.D	ZB-624 (20) 0.18 (mm)
480-192275-2	828021-GW-11	11/18/2021 15:54	1	C0657.D	ZB-624 (20) 0.18 (mm)
480-192275-3	828021-DUP-11112021	11/18/2021 16:16	2	C0658.D	ZB-624 (20) 0.18 (mm)
480-192275-4	828021-GW-04	11/18/2021 16:39	1	C0659.D	ZB-624 (20) 0.18 (mm)
480-192275-5	828021-GW-10	11/18/2021 17:03	1	C0660.D	ZB-624 (20) 0.18 (mm)
480-192275-6	828021-GW-2	11/18/2021 17:26	1	C0661.D	ZB-624 (20) 0.18 (mm)
480-192275-7	8260 TRIP BLANK	11/18/2021 17:48	1	C0662.D	ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 18:11	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 18:34	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 18:57	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 19:20	4		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 19:43	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 20:06	1		ZB-624 (20) 0.18 (mm)
ZZZZZ		11/18/2021 20:29	1		ZB-624 (20) 0.18 (mm)
480-192275-4 MS	828021-GW-04 MS	11/18/2021 20:52	1	C0670.D	ZB-624 (20) 0.18 (mm)
480-192275-4 MSD	828021-GW-04 MSD	11/18/2021 21:15	1	C0671.D	ZB-624 (20) 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 604814 Batch Start Date: 11/13/21 16:26 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8260 CORP mix 00217	BFB_WRK 00129	C_8260_IS 00158	C_8260_Surr 00177
BFB 480-604814/4		8260C		1 uL	1 uL		1 uL		
IC 480-604814/6		8260C		5 mL	5 mL	0.4 uL		2 uL	2 uL
IC 480-604814/7		8260C		5 mL	5 mL	1 uL		2 uL	2 uL
IC 480-604814/8		8260C		5 mL	5 mL	2 uL		2 uL	2 uL
IC 480-604814/9		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
IC 480-604814/10		8260C		5 mL	5 mL	5 uL		2 uL	2 uL
ICIS 480-604814/11		8260C		5 mL	5 mL	12.5 uL		2 uL	2 uL
IC 480-604814/12		8260C		5 mL	5 mL	25 uL		2 uL	2 uL
IC 480-604814/13		8260C		5 mL	5 mL	50 uL		2 uL	2 uL
ICV 480-604814/27		8260C		5 mL	5 mL			2 uL	2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	GAS CORP mix 00480	SS 8260 CORP 00096	SS GAS CORP 00431			
BFB 480-604814/4		8260C							
IC 480-604814/6		8260C		0.4 uL					
IC 480-604814/7		8260C		1 uL					
IC 480-604814/8		8260C		2 uL					
IC 480-604814/9		8260C		5 uL					
IC 480-604814/10		8260C		5 uL					
ICIS 480-604814/11		8260C		12.5 uL					
IC 480-604814/12		8260C		25 uL					
IC 480-604814/13		8260C		50 uL					
ICV 480-604814/27		8260C			12.5 uL	12.5 uL			

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 604814 Batch Start Date: 11/13/21 16:26 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date: _____

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605537 Batch Start Date: 11/18/21 09:56 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00217	BFB_WRK 00129	C_8260_IS 00159
BFB 480-605537/1		8260C		1 uL	1 uL			1 uL	
CCVIS 480-605537/2		8260C		5 mL	5 mL		12.5 uL		2 uL
LCS 480-605537/4		8260C		5 mL	5 mL		12.5 uL		2 uL
MB 480-605537/6		8260C		5 mL	5 mL				2 uL
480-192275-E-1	828021-GW-14	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-E-2	828021-GW-11	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-E-3	828021-DUP-11112 021	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-E-4	828021-GW-04	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-E-5	828021-GW-10	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-E-6	828021-GW-2	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-A-7	8260 TRIP BLANK	8260C	T	5 mL	5 mL	<2 SU			2 uL
480-192275-D-4 MS	828021-GW-04	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		2 uL
480-192275-D-4 MSD	828021-GW-04	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		2 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00177	GAS CORP mix 00481	AnalysisComment			
BFB 480-605537/1		8260C							
CCVIS 480-605537/2		8260C		2 uL	12.5 uL				
LCS 480-605537/4		8260C		2 uL	12.5 uL				
MB 480-605537/6		8260C		2 uL					
480-192275-E-1	828021-GW-14	8260C	T	2 uL					
480-192275-E-2	828021-GW-11	8260C	T	2 uL					
480-192275-E-3	828021-DUP-11112 021	8260C	T	2 uL					
480-192275-E-4	828021-GW-04	8260C	T	2 uL					
480-192275-E-5	828021-GW-10	8260C	T	2 uL					
480-192275-E-6	828021-GW-2	8260C	T	2 uL					

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 VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605537 Batch Start Date: 11/18/21 09:56 Batch Analyst: LaPointe, Cody R

Batch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	C_8260_Surr 00177	GAS CORP mix 00481	AnalysisComment			
480-192275-A-7	8260 TRIP BLANK	8260C	T	2 uL					
480-192275-D-4 MS	828021-GW-04	8260C	T	2 uL	12.5 uL	CLIENT QC			
480-192275-D-4 MSD	828021-GW-04	8260C	T	2 uL	12.5 uL	CLIENT QC			

Batch Notes	

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.

Method 8270D

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water

Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
828021-GW-14	480-192275-1	79	58	95	96	104	80
828021-GW-14 RE	480-192275-1 RE	74	52	86	103	131 S1+	97
828021-GW-11	480-192275-2	85	64	105	110	96	106
828021-GW-11 RE	480-192275-2 RE	70	53	88	107	91	108
828021-DUP-1111202 1	480-192275-3	99	72	123 S1+	133 S1+	136 S1+	106
828021-DUP-1111202 1 RE	480-192275-3 RE	64	48	80	99	122 S1+	90
828021-GW-04	480-192275-4	81	61	104	109	79	104
828021-GW-04 RE	480-192275-4 RE	68	52	89	106	98	102
828021-GW-10	480-192275-5	85	64	103	106	90	88
828021-GW-10 RE	480-192275-5 RE	65	50	87	101	81	104
828021-GW-2	480-192275-6	92	70	114	119	105	101
828021-GW-2 RE	480-192275-6 RE	60	46	78	96	66	93
	MB 480-605089/1-A	97	72	121 S1+	129 S1+	99	138
	MB 480-606423/1-A	53	41	68	84	77	105
	LCS 480-605089/2-A	95	73	129 S1+	130 S1+	135 S1+	119
	LCS 480-606423/2-A	58	44	76	93	114	104
828021-GW-04 MS	480-192275-4 MS	80	60	109	106	116	73
828021-GW-04 MS RE	480-192275-4 MS RE	71	52	88	105	123 S1+	86
828021-GW-04 MSD	480-192275-4 MSD	86	66	119	116	121 S1+	82
828021-GW-04 MSD RE	480-192275-4 MSD RE	67	51	83	101	116	77

QC LIMITS

2FP = 2-Fluorophenol (Surr)	35-120
PHL = Phenol-d5 (Surr)	22-120
NBZ = Nitrobenzene-d5 (Surr)	46-120
FBP = 2-Fluorobiphenyl (Surr)	48-120
TBP = 2,4,6-Tribromophenol (Surr)	41-120
TPHd14 = p-Terphenyl-d14 (Surr)	60-148

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: W10018173.d
 Lab ID: LCS 480-605089/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Biphenyl	32.0	40.0	125	59-120	*+
bis (2-chloroisopropyl) ether	32.0	35.6	111	21-136	
2,4,5-Trichlorophenol	32.0	42.2	132	65-126	*+
2,4,6-Trichlorophenol	32.0	40.4	126	64-120	*+
2,4-Dichlorophenol	32.0	42.3	132	63-120	*+
2,4-Dimethylphenol	32.0	41.4	129	47-120	*+
2,4-Dinitrophenol	64.0	80.9	126	31-137	
2,4-Dinitrotoluene	32.0	43.8	137	69-120	*+
2,6-Dinitrotoluene	32.0	43.5	136	68-120	*+
2-Chloronaphthalene	32.0	39.4	123	58-120	*+
2-Chlorophenol	32.0	38.4	120	48-120	
2-Methylphenol	32.0	38.4	120	39-120	
2-Methylnaphthalene	32.0	37.9	119	59-120	
2-Nitroaniline	32.0	42.6	133	54-127	*+
2-Nitrophenol	32.0	42.2	132	52-125	*+
3,3'-Dichlorobenzidine	64.0	81.8	128	49-135	
3-Nitroaniline	32.0	36.2	113	51-120	
4,6-Dinitro-2-methylphenol	64.0	91.3	143	46-136	*+
4-Bromophenyl phenyl ether	32.0	42.8	134	65-120	*+
4-Chloro-3-methylphenol	32.0	43.5	136	61-123	*+
4-Chloroaniline	32.0	31.9	100	30-120	
4-Chlorophenyl phenyl ether	32.0	41.1	128	62-120	*+
4-Methylphenol	32.0	36.5	114	29-131	
4-Nitroaniline	32.0	44.9	140	65-120	*+
4-Nitrophenol	64.0	61.9	97	45-120	
Acenaphthene	32.0	41.3	129	60-120	*+
Acenaphthylene	32.0	39.9	125	63-120	*+
Acetophenone	32.0	39.6	124	45-120	*+
Anthracene	32.0	41.6	130	67-120	*+
Atrazine	64.0	87.3	136	71-130	E *+
Benzaldehyde	64.0	74.8	117	10-140	E
Benzo[a]anthracene	32.0	37.9	119	70-121	
Benzo[a]pyrene	32.0	33.1	103	60-123	
Benzo[b]fluoranthene	32.0	38.0	119	66-126	
Benzo[g,h,i]perylene	32.0	38.2	119	66-150	
Benzo[k]fluoranthene	32.0	37.6	117	65-124	
Bis (2-chloroethoxy)methane	32.0	41.1	128	50-128	
Bis (2-chloroethyl) ether	32.0	37.5	117	44-120	
Bis (2-ethylhexyl) phthalate	32.0	35.9	112	63-139	
Butyl benzyl phthalate	32.0	41.0	128	70-129	
Caprolactam	64.0	34.7	54	22-120	
Carbazole	32.0	50.2	157	66-123	*+

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: W10018173.d

Lab ID: LCS 480-605089/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chrysene	32.0	36.6	114	69-120	
Dibenz (a, h) anthracene	32.0	38.2	120	65-135	
Di-n-butyl phthalate	32.0	41.7	130	69-131	
Di-n-octyl phthalate	32.0	38.1	119	63-140	
Dibenzofuran	32.0	41.4	129	66-120	*+
Diethyl phthalate	32.0	42.9	134	59-127	*+
Dimethyl phthalate	32.0	44.3	138	68-120	*+
Fluoranthene	32.0	42.8	134	69-126	*+
Fluorene	32.0	42.0	131	66-120	*+
Hexachlorobenzene	32.0	40.2	126	61-120	*+
Hexachlorobutadiene	32.0	33.4	104	35-120	
Hexachlorocyclopentadiene	32.0	28.5	89	31-120	
Hexachloroethane	32.0	32.4	101	43-120	
Indeno[1,2,3-cd]pyrene	32.0	37.1	116	69-146	
Isophorone	32.0	42.4	132	55-120	*+
N-Nitrosodi-n-propylamine	32.0	41.0	128	32-140	
N-Nitrosodiphenylamine	32.0	43.9	137	61-120	*+
Naphthalene	32.0	37.9	118	57-120	
Nitrobenzene	32.0	41.6	130	53-123	*+
Pentachlorophenol	64.0	81.9	128	29-136	
Phenanthrene	32.0	43.5	136	68-120	*+
Phenol	32.0	23.5	73	17-120	
Pyrene	32.0	41.3	129	70-125	*+

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low Lab File ID: Y02827257.D

Lab ID: LCS 480-606423/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Biphenyl	32.0	28.7	90	59-120	
bis (2-chloroisopropyl) ether	32.0	21.2	66	21-136	
2,4,5-Trichlorophenol	32.0	31.5	98	65-126	
2,4,6-Trichlorophenol	32.0	29.9	93	64-120	
2,4-Dichlorophenol	32.0	30.5	95	63-120	
2,4-Dimethylphenol	32.0	30.0	94	47-120	
2,4-Dinitrophenol	64.0	48.7	76	31-137	
2,4-Dinitrotoluene	32.0	33.4	104	69-120	
2,6-Dinitrotoluene	32.0	32.4	101	68-120	
2-Chloronaphthalene	32.0	29.7	93	58-120	
2-Chlorophenol	32.0	24.5	77	48-120	
2-Methylphenol	32.0	25.0	78	39-120	
2-Methylnaphthalene	32.0	27.2	85	59-120	
2-Nitroaniline	32.0	28.6	89	54-127	
2-Nitrophenol	32.0	28.8	90	52-125	
3,3'-Dichlorobenzidine	64.0	58.5	91	49-135	
3-Nitroaniline	32.0	27.0	84	51-120	
4,6-Dinitro-2-methylphenol	64.0	58.7	92	46-136	
4-Bromophenyl phenyl ether	32.0	33.5	105	65-120	
4-Chloro-3-methylphenol	32.0	31.6	99	61-123	
4-Chloroaniline	32.0	26.5	83	30-120	
4-Chlorophenyl phenyl ether	32.0	32.0	100	62-120	
4-Methylphenol	32.0	24.3	76	29-131	
4-Nitroaniline	32.0	31.3	98	65-120	
4-Nitrophenol	64.0	43.3	68	45-120	
Acenaphthene	32.0	29.7	93	60-120	
Acenaphthylene	32.0	27.4	86	63-120	
Acetophenone	32.0	27.4	86	45-120	
Anthracene	32.0	31.2	98	67-120	
Atrazine	64.0	68.9	108	71-130	
Benzaldehyde	64.0	53.6	84	10-140	
Benzo[a]anthracene	32.0	32.1	100	70-121	
Benzo[a]pyrene	32.0	28.0	87	60-123	
Benzo[b]fluoranthene	32.0	31.9	100	66-126	
Benzo[g,h,i]perylene	32.0	33.6	105	66-150	
Benzo[k]fluoranthene	32.0	30.8	96	65-124	
Bis (2-chloroethoxy)methane	32.0	29.4	92	50-128	
Bis (2-chloroethyl) ether	32.0	26.7	83	44-120	
Bis (2-ethylhexyl) phthalate	32.0	32.5	102	63-139	
Butyl benzyl phthalate	32.0	31.9	100	70-129	
Caprolactam	64.0	22.9	36	22-120	
Carbazole	32.0	34.0	106	66-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: Y02827257.D
 Lab ID: LCS 480-606423/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chrysene	32.0	32.2	101	69-120	
Dibenz (a, h) anthracene	32.0	34.2	107	65-135	
Di-n-butyl phthalate	32.0	33.3	104	69-131	
Di-n-octyl phthalate	32.0	31.5	98	63-140	
Dibenzofuran	32.0	30.1	94	66-120	
Diethyl phthalate	32.0	33.7	105	59-127	
Dimethyl phthalate	32.0	33.5	105	68-120	
Fluoranthene	32.0	32.7	102	69-126	
Fluorene	32.0	31.9	100	66-120	
Hexachlorobenzene	32.0	34.7	108	61-120	
Hexachlorobutadiene	32.0	23.3	73	35-120	
Hexachlorocyclopentadiene	32.0	14.0	44	31-120	
Hexachloroethane	32.0	20.2	63	43-120	
Indeno[1,2,3-cd]pyrene	32.0	33.1	104	69-146	
Isophorone	32.0	28.0	87	55-120	
N-Nitrosodi-n-propylamine	32.0	28.2	88	32-140	
N-Nitrosodiphenylamine	32.0	32.0	100	61-120	
Naphthalene	32.0	26.6	83	57-120	
Nitrobenzene	32.0	25.6	80	53-123	
Pentachlorophenol	64.0	37.1	58	29-136	
Phenanthrene	32.0	31.1	97	68-120	
Phenol	32.0	16.4	51	17-120	
Pyrene	32.0	31.5	98	70-125	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: W10018174.d

Lab ID: 480-192275-4 MS

Client ID: 828021-GW-04 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Biphenyl	32.0	ND	33.0	103	57-120	
bis (2-chloroisopropyl) ether	32.0	ND	30.1	94	28-121	
2,4,5-Trichlorophenol	32.0	ND	34.5	108	65-126	
2,4,6-Trichlorophenol	32.0	ND	34.3	107	64-120	
2,4-Dichlorophenol	32.0	ND	34.6	108	48-132	
2,4-Dimethylphenol	32.0	ND	34.0	106	39-130	
2,4-Dinitrophenol	64.0	ND	68.1	106	21-150	
2,4-Dinitrotoluene	32.0	ND	36.3	113	54-138	
2,6-Dinitrotoluene	32.0	ND	36.5	114	17-150	
2-Chloronaphthalene	32.0	ND	32.4	101	52-124	
2-Chlorophenol	32.0	ND	32.4	101	48-120	
2-Methylphenol	32.0	ND	31.4	98	46-120	
2-Methylnaphthalene	32.0	ND	31.3	98	34-140	
2-Nitroaniline	32.0	ND	35.3	110	44-136	
2-Nitrophenol	32.0	ND	35.9	112	38-141	
3,3'-Dichlorobenzidine	64.0	ND	64.9	101	10-150	
3-Nitroaniline	32.0	ND	29.6	93	32-150	
4,6-Dinitro-2-methylphenol	64.0	ND	77.4	121	38-150	
4-Bromophenyl phenyl ether	32.0	ND	35.9	112	63-126	
4-Chloro-3-methylphenol	32.0	ND	35.4	111	64-127	
4-Chloroaniline	32.0	ND	26.7	83	16-124	
4-Chlorophenyl phenyl ether	32.0	ND	33.5	105	61-120	
4-Methylphenol	32.0	ND	29.7	93	36-120	
4-Nitroaniline	32.0	ND	35.0	109	32-150	
4-Nitrophenol	64.0	ND	50.4	79	23-132	
Acenaphthene	32.0	ND	33.8	106	48-120	
Acenaphthylene	32.0	ND	33.5	105	63-120	
Acetophenone	32.0	ND	32.8	102	53-120	
Anthracene	32.0	ND	35.6	111	65-122	
Atrazine	64.0	ND	74.8	117	50-150	E
Benzaldehyde	64.0	ND	63.2	99	10-150	
Benzo[a]anthracene	32.0	ND	25.1	78	43-124	
Benzo[a]pyrene	32.0	ND	19.1	60	23-125	
Benzo[b]fluoranthene	32.0	ND	22.1	69	27-127	
Benzo[g,h,i]perylene	32.0	ND	21.1	66	16-147	
Benzo[k]fluoranthene	32.0	ND	21.5	67	20-124	
Bis (2-chloroethoxy)methane	32.0	ND	34.1	106	44-128	
Bis (2-chloroethyl) ether	32.0	ND	31.8	99	45-120	
Bis (2-ethylhexyl) phthalate	32.0	ND	21.0	66	16-150	
Butyl benzyl phthalate	32.0	ND	30.6	96	51-140	
Caprolactam	64.0	ND	27.9	44	10-120	
Carbazole	32.0	ND	41.7	130	16-148	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: W10018174.d

Lab ID: 480-192275-4 MS

Client ID: 828021-GW-04 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chrysene	32.0	ND	24.1	75	44-122	
Dibenz (a,h) anthracene	32.0	ND	20.4	64	16-139	
Di-n-butyl phthalate	32.0	ND	35.0	109	65-129	
Di-n-octyl phthalate	32.0	ND	22.1	69	16-150	
Dibenzofuran	32.0	ND	34.0	106	60-120	
Diethyl phthalate	32.0	ND	35.6	111	53-133	
Dimethyl phthalate	32.0	ND	36.9	115	59-123	
Fluoranthene	32.0	ND	36.4	114	63-129	
Fluorene	32.0	ND	34.4	108	62-120	
Hexachlorobenzene	32.0	ND	32.4	101	57-121	
Hexachlorobutadiene	32.0	ND	28.0	88	37-120	
Hexachlorocyclopentadiene	32.0	ND	23.2	73	21-120	
Hexachloroethane	32.0	ND	27.6	86	16-130	
Indeno[1,2,3-cd]pyrene	32.0	ND	20.2	63	16-140	
Isophorone	32.0	ND	35.4	111	48-133	
N-Nitrosodi-n-propylamine	32.0	ND	34.6	108	49-120	
N-Nitrosodiphenylamine	32.0	ND	37.2	116	39-138	
Naphthalene	32.0	ND	32.3	101	45-120	
Nitrobenzene	32.0	ND	34.8	109	45-123	
Pentachlorophenol	64.0	ND	71.6	112	23-149	
Phenanthrene	32.0	ND	36.8	115	65-122	
Phenol	32.0	ND	19.7	62	16-120	
Pyrene	32.0	ND	33.8	106	58-128	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: Y02827258.D

Lab ID: 480-192275-4 MS RE

Client ID: 828021-GW-04 MS RE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Biphenyl	32.0	ND	32.0	100	57-120	H
bis (2-chloroisopropyl) ether	32.0	ND	25.9	81	28-121	H
2,4,5-Trichlorophenol	32.0	ND	35.3	110	65-126	H
2,4,6-Trichlorophenol	32.0	ND	34.0	106	64-120	H
2,4-Dichlorophenol	32.0	ND	34.4	108	48-132	H
2,4-Dimethylphenol	32.0	ND	35.7	112	39-130	H
2,4-Dinitrophenol	64.0	ND	57.9	90	21-150	H
2,4-Dinitrotoluene	32.0	ND	35.7	111	54-138	H
2,6-Dinitrotoluene	32.0	ND	37.1	116	17-150	H
2-Chloronaphthalene	32.0	ND	34.2	107	52-124	H
2-Chlorophenol	32.0	ND	29.8	93	48-120	H
2-Methylphenol	32.0	ND	29.1	91	46-120	H
2-Methylnaphthalene	32.0	ND	31.3	98	34-140	H
2-Nitroaniline	32.0	ND	32.0	100	44-136	H
2-Nitrophenol	32.0	ND	33.8	106	38-141	H
3,3'-Dichlorobenzidine	64.0	ND	63.8	100	10-150	H
3-Nitroaniline	32.0	ND	31.2	98	32-150	H
4,6-Dinitro-2-methylphenol	64.0	ND	66.2	103	38-150	H
4-Bromophenyl phenyl ether	32.0	ND	37.4	117	63-126	H
4-Chloro-3-methylphenol	32.0	ND	35.3	110	64-127	H
4-Chloroaniline	32.0	ND	34.3	107	16-124	H
4-Chlorophenyl phenyl ether	32.0	ND	35.2	110	61-120	H
4-Methylphenol	32.0	ND	28.1	88	36-120	H
4-Nitroaniline	32.0	ND	33.3	104	32-150	H
4-Nitrophenol	64.0	ND	45.8	72	23-132	H
Acenaphthene	32.0	ND	33.0	103	48-120	H
Acenaphthylene	32.0	ND	31.7	99	63-120	H
Acetophenone	32.0	ND	33.1	103	53-120	H
Anthracene	32.0	ND	34.6	108	65-122	H
Atrazine	64.0	ND	73.4	115	50-150	H
Benzaldehyde	64.0	ND	65.2	102	10-150	H
Benzo[a]anthracene	32.0	ND	27.5	86	43-124	H
Benzo[a]pyrene	32.0	ND	21.1	66	23-125	H
Benzo[b]fluoranthene	32.0	ND	24.5	77	27-127	H
Benzo[g,h,i]perylene	32.0	ND	23.8	74	16-147	H
Benzo[k]fluoranthene	32.0	ND	23.6	74	20-124	H
Bis (2-chloroethoxy)methane	32.0	ND	34.1	107	44-128	H
Bis (2-chloroethyl) ether	32.0	ND	32.1	100	45-120	H
Bis (2-ethylhexyl) phthalate	32.0	ND	23.4	73	16-150	H
Butyl benzyl phthalate	32.0	ND	32.6	102	51-140	H
Caprolactam	64.0	ND	23.9	37	10-120	H
Carbazole	32.0	ND	36.2	113	16-148	H

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: Y02827258.D

Lab ID: 480-192275-4 MS RE

Client ID: 828021-GW-04 MS RE

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chrysene	32.0	ND	27.0	84	44-122	H
Dibenz (a,h) anthracene	32.0	ND	24.2	76	16-139	H
Di-n-butyl phthalate	32.0	ND	34.7	108	65-129	H
Di-n-octyl phthalate	32.0	ND	23.3	73	16-150	H
Dibenzofuran	32.0	ND	34.1	106	60-120	H
Diethyl phthalate	32.0	ND	36.1	113	53-133	H
Dimethyl phthalate	32.0	ND	36.9	115	59-123	H
Fluoranthene	32.0	ND	34.6	108	63-129	H
Fluorene	32.0	ND	35.1	110	62-120	H
Hexachlorobenzene	32.0	ND	36.3	113	57-121	H
Hexachlorobutadiene	32.0	ND	30.6	96	37-120	H
Hexachlorocyclopentadiene	32.0	ND	17.0	53	21-120	H
Hexachloroethane	32.0	ND	26.8	84	16-130	H
Indeno[1,2,3-cd]pyrene	32.0	ND	23.4	73	16-140	H
Isophorone	32.0	ND	32.7	102	48-133	H
N-Nitrosodi-n-propylamine	32.0	ND	32.6	102	49-120	H
N-Nitrosodiphenylamine	32.0	ND	35.9	112	39-138	H
Naphthalene	32.0	ND	31.4	98	45-120	H
Nitrobenzene	32.0	ND	31.1	97	45-123	H
Pentachlorophenol	64.0	ND	41.2	64	23-149	H
Phenanthrene	32.0	ND	34.7	108	65-122	H
Phenol	32.0	ND	18.0	56	16-120	H
Pyrene	32.0	ND	33.2	104	58-128	H

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: W10018175.d

Lab ID: 480-192275-4 MSD

Client ID: 828021-GW-04 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Biphenyl	32.0	35.7	112	8	20	57-120	
bis (2-chloroisopropyl) ether	32.0	32.8	102	8	24	28-121	
2,4,5-Trichlorophenol	32.0	39.0	122	12	18	65-126	
2,4,6-Trichlorophenol	32.0	37.5	117	9	19	64-120	
2,4-Dichlorophenol	32.0	38.2	119	10	19	48-132	
2,4-Dimethylphenol	32.0	37.2	116	9	42	39-130	
2,4-Dinitrophenol	64.0	73.3	115	7	22	21-150	
2,4-Dinitrotoluene	32.0	40.1	125	10	20	54-138	
2,6-Dinitrotoluene	32.0	40.1	125	9	15	17-150	
2-Chloronaphthalene	32.0	35.1	110	8	21	52-124	
2-Chlorophenol	32.0	34.8	109	7	25	48-120	
2-Methylphenol	32.0	34.4	107	9	27	46-120	
2-Methylnaphthalene	32.0	34.2	107	9	21	34-140	
2-Nitroaniline	32.0	38.2	120	8	15	44-136	
2-Nitrophenol	32.0	39.1	122	9	18	38-141	
3,3'-Dichlorobenzidine	64.0	75.0	117	14	25	10-150	
3-Nitroaniline	32.0	31.8	99	7	19	32-150	
4,6-Dinitro-2-methylphenol	64.0	78.2	122	1	15	38-150	
4-Bromophenyl phenyl ether	32.0	36.1	113	1	15	63-126	
4-Chloro-3-methylphenol	32.0	39.0	122	10	27	64-127	
4-Chloroaniline	32.0	28.4	89	6	22	16-124	
4-Chlorophenyl phenyl ether	32.0	36.2	113	8	16	61-120	
4-Methylphenol	32.0	33.1	103	11	24	36-120	
4-Nitroaniline	32.0	40.8	127	15	24	32-150	
4-Nitrophenol	64.0	53.4	83	6	48	23-132	
Acenaphthene	32.0	37.0	116	9	24	48-120	
Acenaphthylene	32.0	36.2	113	8	18	63-120	
Acetophenone	32.0	36.5	114	11	20	53-120	
Anthracene	32.0	36.2	113	2	15	65-122	
Atrazine	64.0	79.0	123	5	20	50-150	E
Benzaldehyde	64.0	68.7	107	8	20	10-150	E
Benzo[a]anthracene	32.0	27.3	85	9	15	43-124	
Benzo[a]pyrene	32.0	20.9	65	9	15	23-125	
Benzo[b]fluoranthene	32.0	24.0	75	9	15	27-127	
Benzo[g,h,i]perylene	32.0	23.3	73	10	15	16-147	
Benzo[k]fluoranthene	32.0	23.5	73	9	22	20-124	
Bis(2-chloroethoxy)methane	32.0	37.1	116	9	17	44-128	
Bis(2-chloroethyl) ether	32.0	34.8	109	9	21	45-120	
Bis(2-ethylhexyl) phthalate	32.0	23.1	72	9	15	16-150	
Butyl benzyl phthalate	32.0	33.2	104	8	16	51-140	
Caprolactam	64.0	30.0	47	7	20	10-120	
Carbazole	32.0	44.4	139	6	20	16-148	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: W10018175.d

Lab ID: 480-192275-4 MSD

Client ID: 828021-GW-04 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chrysene	32.0	25.6	80	6	15	44-122	
Dibenz (a,h) anthracene	32.0	22.7	71	11	15	16-139	
Di-n-butyl phthalate	32.0	35.2	110	1	15	65-129	
Di-n-octyl phthalate	32.0	24.5	77	10	16	16-150	
Dibenzofuran	32.0	37.0	116	9	15	60-120	
Diethyl phthalate	32.0	39.1	122	9	15	53-133	
Dimethyl phthalate	32.0	40.2	126	9	15	59-123	F1
Fluoranthene	32.0	37.2	116	2	15	63-129	
Fluorene	32.0	38.2	119	10	15	62-120	
Hexachlorobenzene	32.0	32.8	103	1	15	57-121	
Hexachlorobutadiene	32.0	30.2	94	8	44	37-120	
Hexachlorocyclopentadiene	32.0	24.8	78	7	49	21-120	
Hexachloroethane	32.0	30.5	95	10	46	16-130	
Indeno[1,2,3-cd]pyrene	32.0	22.5	70	11	15	16-140	
Isophorone	32.0	38.4	120	8	17	48-133	
N-Nitrosodi-n-propylamine	32.0	38.4	120	10	31	49-120	
N-Nitrosodiphenylamine	32.0	37.9	118	2	15	39-138	
Naphthalene	32.0	34.7	109	7	29	45-120	
Nitrobenzene	32.0	37.5	117	8	24	45-123	
Pentachlorophenol	64.0	71.1	111	1	37	23-149	
Phenanthrene	32.0	38.3	120	4	15	65-122	
Phenol	32.0	21.1	66	7	34	16-120	
Pyrene	32.0	36.3	113	7	19	58-128	

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 TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: Y02827259.D

Lab ID: 480-192275-4 MSD RE

Client ID: 828021-GW-04 MSD RE

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Biphenyl	32.0	30.9	97	3	20	57-120	H
bis (2-chloroisopropyl) ether	32.0	23.9	75	8	24	28-121	H
2,4,5-Trichlorophenol	32.0	32.6	102	8	18	65-126	H
2,4,6-Trichlorophenol	32.0	31.1	97	9	19	64-120	H
2,4-Dichlorophenol	32.0	32.1	100	7	19	48-132	H
2,4-Dimethylphenol	32.0	33.1	103	8	42	39-130	H
2,4-Dinitrophenol	64.0	50.5	79	14	22	21-150	H
2,4-Dinitrotoluene	32.0	33.4	104	6	20	54-138	H
2,6-Dinitrotoluene	32.0	36.0	113	3	15	17-150	H
2-Chloronaphthalene	32.0	31.6	99	8	21	52-124	H
2-Chlorophenol	32.0	28.2	88	5	25	48-120	H
2-Methylphenol	32.0	26.8	84	8	27	46-120	H
2-Methylnaphthalene	32.0	28.1	88	11	21	34-140	H
2-Nitroaniline	32.0	30.6	95	5	15	44-136	H
2-Nitrophenol	32.0	31.0	97	9	18	38-141	H
3,3'-Dichlorobenzidine	64.0	55.5	87	14	25	10-150	H
3-Nitroaniline	32.0	30.2	94	3	19	32-150	H
4,6-Dinitro-2-methylphenol	64.0	62.3	97	6	15	38-150	H
4-Bromophenyl phenyl ether	32.0	34.3	107	9	15	63-126	H
4-Chloro-3-methylphenol	32.0	32.6	102	8	27	64-127	H
4-Chloroaniline	32.0	29.8	93	14	22	16-124	H
4-Chlorophenyl phenyl ether	32.0	33.3	104	6	16	61-120	H
4-Methylphenol	32.0	26.2	82	7	24	36-120	H
4-Nitroaniline	32.0	32.8	102	2	24	32-150	H
4-Nitrophenol	64.0	44.5	70	3	48	23-132	H
Acenaphthene	32.0	32.0	100	3	24	48-120	H
Acenaphthylene	32.0	30.2	94	5	18	63-120	H
Acetophenone	32.0	31.4	98	5	20	53-120	H
Anthracene	32.0	32.2	101	7	15	65-122	H
Atrazine	64.0	70.9	111	3	20	50-150	H
Benzaldehyde	64.0	62.0	97	5	20	10-150	H
Benzo[a]anthracene	32.0	25.0	78	9	15	43-124	H
Benzo[a]pyrene	32.0	19.5	61	8	15	23-125	H
Benzo[b]fluoranthene	32.0	22.3	70	10	15	27-127	H
Benzo[g,h,i]perylene	32.0	22.1	69	8	15	16-147	H
Benzo[k]fluoranthene	32.0	21.3	67	10	22	20-124	H
Bis(2-chloroethoxy)methane	32.0	31.3	98	9	17	44-128	H
Bis(2-chloroethyl) ether	32.0	29.9	93	7	21	45-120	H
Bis(2-ethylhexyl) phthalate	32.0	21.3	67	9	15	16-150	H
Butyl benzyl phthalate	32.0	29.9	93	9	16	51-140	H
Caprolactam	64.0	22.8	36	4	20	10-120	H
Carbazole	32.0	33.7	105	7	20	16-148	H

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water Level: Low

Lab File ID: Y02827259.D

Lab ID: 480-192275-4 MSD RE

Client ID: 828021-GW-04 MSD RE

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chrysene	32.0	24.2	76	11	15	44-122	H
Dibenz(a,h)anthracene	32.0	22.2	69	9	15	16-139	H
Di-n-butyl phthalate	32.0	32.6	102	6	15	65-129	H
Di-n-octyl phthalate	32.0	21.2	66	10	16	16-150	H
Dibenzofuran	32.0	31.6	99	7	15	60-120	H
Diethyl phthalate	32.0	35.3	110	2	15	53-133	H
Dimethyl phthalate	32.0	36.2	113	2	15	59-123	H
Fluoranthene	32.0	32.9	103	5	15	63-129	H
Fluorene	32.0	33.3	104	5	15	62-120	H
Hexachlorobenzene	32.0	33.2	104	9	15	57-121	H
Hexachlorobutadiene	32.0	27.2	85	12	44	37-120	H
Hexachlorocyclopentadiene	32.0	15.8	49	7	49	21-120	H
Hexachloroethane	32.0	24.4	76	9	46	16-130	H
Indeno[1,2,3-cd]pyrene	32.0	21.1	66	10	15	16-140	H
Isophorone	32.0	30.4	95	7	17	48-133	H
N-Nitrosodi-n-propylamine	32.0	31.7	99	3	31	49-120	H
N-Nitrosodiphenylamine	32.0	33.3	104	8	15	39-138	H
Naphthalene	32.0	29.0	91	8	29	45-120	H
Nitrobenzene	32.0	28.4	89	9	24	45-123	H
Pentachlorophenol	64.0	37.8	59	8	37	23-149	H
Phenanthrene	32.0	32.0	100	8	15	65-122	H
Phenol	32.0	15.5	49	14	34	16-120	H
Pyrene	32.0	30.8	96	8	19	58-128	H

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: W10018172.d Lab Sample ID: MB 480-605089/1-A
 Matrix: Water Date Extracted: 11/16/2021 06:44
 Instrument ID: HP5973W Date Analyzed: 11/23/2021 07:23
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-605089/2-A	W10018173.d	11/23/2021 07:50
828021-GW-04 MS	480-192275-4 MS	W10018174.d	11/23/2021 08:17
828021-GW-04 MSD	480-192275-4 MSD	W10018175.d	11/23/2021 08:44
828021-GW-04	480-192275-4	W10018176.d	11/23/2021 09:11
828021-GW-14	480-192275-1	W10018177.d	11/23/2021 09:38
828021-GW-11	480-192275-2	W10018178.d	11/23/2021 10:05
828021-DUP-11112021	480-192275-3	W10018179.d	11/23/2021 10:32
828021-GW-10	480-192275-5	W10018180.d	11/23/2021 10:59
828021-GW-2	480-192275-6	W10018181.d	11/23/2021 11:26

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: Y02827256.D Lab Sample ID: MB 480-606423/1-A
 Matrix: Water Date Extracted: 11/24/2021 09:06
 Instrument ID: HP5973Y Date Analyzed: 11/30/2021 18:40
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-606423/2-A	Y02827257.D	11/30/2021 19:07
828021-GW-04 MS RE	480-192275-4 MS RE	Y02827258.D	11/30/2021 19:34
828021-GW-04 MSD RE	480-192275-4 MSD RE	Y02827259.D	11/30/2021 20:01
828021-GW-04 RE	480-192275-4 RE	Y02827260.D	11/30/2021 20:29
828021-GW-14 RE	480-192275-1 RE	Y02827261.D	11/30/2021 20:56
828021-GW-11 RE	480-192275-2 RE	Y02827262.D	11/30/2021 21:23
828021-DUP-11112021 RE	480-192275-3 RE	Y02827263.D	11/30/2021 21:50
828021-GW-10 RE	480-192275-5 RE	Y02827264.D	11/30/2021 22:17
828021-GW-2 RE	480-192275-6 RE	Y02827265.D	11/30/2021 22:45

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: W10018135.d DFTPP Injection Date: 11/22/2021
 Instrument ID: HP5973W DFTPP Injection Time: 14:35
 Analysis Batch No.: 606072

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	35.0
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	35.1
70	Less than 2% of mass 69	0.2 (0.5) 1
127	10-80% of Base Peak	46.9
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	6.9
275	10-60% of Base Peak	28.2
365	Greater than 1% of mass 198	4.5
441	present but less than 24% of mass 442	16.3 (16.3) 2
442	Greater than 50% of mass 198	100.0
443	15-24% of mass 442	19.4 (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 480-606072/3	W10018136.d	11/22/2021	15:02
	IC 480-606072/4	W10018137.d	11/22/2021	15:29
	IC 480-606072/5	W10018138.d	11/22/2021	15:57
	IC 480-606072/6	W10018139.d	11/22/2021	16:25
	ICIS 480-606072/7	W10018140.d	11/22/2021	16:52
	IC 480-606072/8	W10018141.d	11/22/2021	17:20
	IC 480-606072/9	W10018142.d	11/22/2021	17:47
	IC 480-606072/10	W10018143.d	11/22/2021	18:14
	ICV 480-606072/11	W10018144.d	11/22/2021	18:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: W10018163.d DFTPP Injection Date: 11/23/2021
 Instrument ID: HP5973W DFTPP Injection Time: 03:18
 Analysis Batch No.: 606080

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	37.3
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	37.2
70	Less than 2% of mass 69	0.2 (0.5) 1
127	10-80% of Base Peak	47.5
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	6.9
275	10-60% of Base Peak	26.1
365	Greater than 1% of mass 198	3.9
441	present but less than 24% of mass 442	1.3 (1.5) 2
442	Greater than 50% of mass 198	82.5
443	15-24% of mass 442	16.7 (20.3) 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 480-606080/3	W10018164.d	11/23/2021	3:45
	MB 480-605089/1-A	W10018172.d	11/23/2021	7:23
	LCS 480-605089/2-A	W10018173.d	11/23/2021	7:50
828021-GW-04 MS	480-192275-4 MS	W10018174.d	11/23/2021	8:17
828021-GW-04 MSD	480-192275-4 MSD	W10018175.d	11/23/2021	8:44
828021-GW-04	480-192275-4	W10018176.d	11/23/2021	9:11
828021-GW-14	480-192275-1	W10018177.d	11/23/2021	9:38
828021-GW-11	480-192275-2	W10018178.d	11/23/2021	10:05
828021-DUP-11112021	480-192275-3	W10018179.d	11/23/2021	10:32
828021-GW-10	480-192275-5	W10018180.d	11/23/2021	10:59
828021-GW-2	480-192275-6	W10018181.d	11/23/2021	11:26

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: Y02826635.D DFTPP Injection Date: 11/12/2021
 Instrument ID: HP5973Y DFTPP Injection Time: 10:55
 Analysis Batch No.: 604656

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	29.2
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	36.5
70	Less than 2% of mass 69	0.1 (0.3) 1
127	10-80% of Base Peak	46.4
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	32.0
365	Greater than 1% of mass 198	4.6
441	present but less than 24% of mass 442	10.4 (6.7) 2
442	Greater than 50% of mass 198	155.3
443	15-24% of mass 442	31.1 (20.0) 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 480-604656/3	Y02826636.D	11/12/2021	11:23
	IC 480-604656/4	Y02826637.D	11/12/2021	11:50
	IC 480-604656/5	Y02826638.D	11/12/2021	12:17
	IC 480-604656/6	Y02826639.D	11/12/2021	12:44
	ICIS 480-604656/7	Y02826640.D	11/12/2021	13:12
	IC 480-604656/8	Y02826641.D	11/12/2021	13:39
	IC 480-604656/9	Y02826642.D	11/12/2021	14:06
	IC 480-604656/10	Y02826643.D	11/12/2021	14:33
	ICV 480-604656/11	Y02826644.D	11/12/2021	15:00

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab File ID: Y02827244.D DFTPP Injection Date: 11/30/2021
 Instrument ID: HP5973Y DFTPP Injection Time: 13:12
 Analysis Batch No.: 607022

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10-80% of Base Peak	24.3
68	Less than 2% of mass 69	0.0 (0.0) 1
69	Mass 69 Relative abundance	31.5
70	Less than 2% of mass 69	0.1 (0.4) 1
127	10-80% of Base Peak	42.2
197	Less than 2% of mass 198	0.0
198	Base peak	100.0
199	5-9% of mass 198	6.6
275	10-60% of Base Peak	33.8
365	Greater than 1% of mass 198	5.2
441	present but less than 24% of mass 442	13.1 (6.9) 2
442	Greater than 50% of mass 198	189.3
443	15-24% of mass 442	38.0 (20.1) 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 480-607022/3	Y02827245.D	11/30/2021	13:40
	MB 480-606423/1-A	Y02827256.D	11/30/2021	18:40
	LCS 480-606423/2-A	Y02827257.D	11/30/2021	19:07
828021-GW-04 MS RE	480-192275-4 MS RE	Y02827258.D	11/30/2021	19:34
828021-GW-04 MSD RE	480-192275-4 MSD RE	Y02827259.D	11/30/2021	20:01
828021-GW-04 RE	480-192275-4 RE	Y02827260.D	11/30/2021	20:29
828021-GW-14 RE	480-192275-1 RE	Y02827261.D	11/30/2021	20:56
828021-GW-11 RE	480-192275-2 RE	Y02827262.D	11/30/2021	21:23
828021-DUP-11112021 RE	480-192275-3 RE	Y02827263.D	11/30/2021	21:50
828021-GW-10 RE	480-192275-5 RE	Y02827264.D	11/30/2021	22:17
828021-GW-2 RE	480-192275-6 RE	Y02827265.D	11/30/2021	22:45

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: ICIS 480-606072/7 Date Analyzed: 11/22/2021 16:52
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W10018140.d Heated Purge: (Y/N) N
 Calibration ID: 42749

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	229228	6.58	913710	7.67	522479	9.15
UPPER LIMIT	458456	7.08	1827420	8.17	1044958	9.65
LOWER LIMIT	114614	6.08	456855	7.17	261240	8.65
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 480-606072/11	226918	6.57	919126	7.67	517086	9.15
CCVIS 480-606080/3	242427	6.57	963580	7.66	557939	9.15

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: ICIS 480-606072/7 Date Analyzed: 11/22/2021 16:52
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W10018140.d Heated Purge: (Y/N) N
 Calibration ID: 42749

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	902110	10.41	815642	13.14	807794	15.37
UPPER LIMIT	1804220	10.91	1631284	13.64	1615588	15.87
LOWER LIMIT	451055	9.91	407821	12.64	403897	14.87
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 480-606072/11	904655	10.41	819474	13.14	799743	15.37
CCVIS 480-606080/3	952107	10.41	873871	13.14	882594	15.36

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: CCVIS 480-606080/3 Date Analyzed: 11/23/2021 03:45
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W10018164.d Heated Purge: (Y/N) N
 Calibration ID: 42749

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	242427	6.57	963580	7.66	557939	9.15	
UPPER LIMIT	484854	7.07	1927160	8.16	1115878	9.65	
LOWER LIMIT	121214	6.07	481790	7.16	278970	8.65	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-605089/1-A		229980	6.57	890828	7.66	510441	9.15
LCS 480-605089/2-A		229898	6.57	898903	7.66	525224	9.15
480-192275-4 MS	828021-GW-04 MS	232411	6.58	910378	7.66	524906	9.15
480-192275-4 MSD	828021-GW-04 MSD	228951	6.58	905661	7.67	525958	9.15
480-192275-4	828021-GW-04	224926	6.57	869402	7.66	494852	9.15
480-192275-1	828021-GW-14	270500	6.57	1045284	7.66	614952	9.15
480-192275-2	828021-GW-11	229780	6.57	894940	7.66	521071	9.15
480-192275-3	828021-DUP-11112021	215940	6.57	824831	7.66	464548	9.15
480-192275-5	828021-GW-10	235812	6.57	917168	7.66	529644	9.15
480-192275-6	828021-GW-2	225215	6.57	881359	7.66	507223	9.15

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: CCVIS 480-606080/3 Date Analyzed: 11/23/2021 03:45
 Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): W10018164.d Heated Purge: (Y/N) N
 Calibration ID: 42749

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	952107	10.41	873871	13.14	882594	15.36	
UPPER LIMIT	1904214	10.91	1747742	13.64	1765188	15.86	
LOWER LIMIT	476054	9.91	436936	12.64	441297	14.86	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-605089/1-A		862997	10.40	767742	13.14	810516	15.36
LCS 480-605089/2-A		879026	10.41	840913	13.15	848141	15.37
480-192275-4 MS	828021-GW-04 MS	860050	10.41	832781	13.14	851878	15.36
480-192275-4 MSD	828021-GW-04 MSD	925883	10.41	842964	13.15	869341	15.37
480-192275-4	828021-GW-04	835115	10.40	767704	13.13	811116	15.36
480-192275-1	828021-GW-14	1041565	10.40	875319	13.14	975446	15.37
480-192275-2	828021-GW-11	871081	10.40	775740	13.14	839562	15.36
480-192275-3	828021-DUP-11112021	821803	10.40	703093	13.14	802855	15.37
480-192275-5	828021-GW-10	886191	10.40	795515	13.14	856795	15.36
480-192275-6	828021-GW-2	863661	10.40	804291	13.13	821356	15.36

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: ICIS 480-604656/7 Date Analyzed: 11/12/2021 13:12
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826640.D Heated Purge: (Y/N) N
 Calibration ID: 42716

	DCBd4		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	308051	6.63	1090979	7.72	657931	9.21
UPPER LIMIT	616102	7.13	2181958	8.22	1315862	9.71
LOWER LIMIT	154026	6.13	545490	7.22	328966	8.71
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 480-604656/11	311454	6.63	1087237	7.72	676673	9.21
CCVIS 480-607022/3	204553	6.49	720651	7.58	450199	9.07

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: ICIS 480-604656/7 Date Analyzed: 11/12/2021 13:12
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02826640.D Heated Purge: (Y/N) N
 Calibration ID: 42716

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1195275	10.47	1165813	13.25	1287219	15.52
UPPER LIMIT	2390550	10.97	2331626	13.75	2574438	16.02
LOWER LIMIT	597638	9.97	582907	12.75	643610	15.02
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 480-604656/11	1201082	10.47	1197768	13.25	1313357	15.52
CCVIS 480-607022/3	807429	10.33	834793	13.03	1013356	15.26

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: CCVIS 480-607022/3 Date Analyzed: 11/30/2021 13:40
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02827245.D Heated Purge: (Y/N) N
 Calibration ID: 42720

	DCBd4		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	204553	6.49	720651	7.58	450199	9.07	
UPPER LIMIT	409106	6.99	1441302	8.08	900398	9.57	
LOWER LIMIT	102277	5.99	360326	7.08	225100	8.57	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-606423/1-A		193708	6.49	679294	7.58	419185	9.07
LCS 480-606423/2-A		190715	6.49	664224	7.58	414218	9.07
480-192275-4 MS RE	828021-GW-04 MS RE	181505	6.49	638827	7.58	400425	9.07
480-192275-4 MSD RE	828021-GW-04 MSD RE	191804	6.49	684503	7.58	419203	9.07
480-192275-4 RE	828021-GW-04 RE	190362	6.49	671205	7.58	420467	9.07
480-192275-1 RE	828021-GW-14 RE	184470	6.49	661155	7.58	414641	9.07
480-192275-2 RE	828021-GW-11 RE	182229	6.49	662500	7.58	406331	9.07
480-192275-3 RE	828021-DUP-11112021 RE	187338	6.49	660442	7.58	405128	9.07
480-192275-5 RE	828021-GW-10 RE	185710	6.49	666539	7.58	423179	9.07
480-192275-6 RE	828021-GW-2 RE	190106	6.49	666452	7.58	408924	9.07

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Sample No.: CCVIS 480-607022/3 Date Analyzed: 11/30/2021 13:40
 Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): Y02827245.D Heated Purge: (Y/N) N
 Calibration ID: 42720

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	807429	10.33	834793	13.03	1013356	15.26	
UPPER LIMIT	1614858	10.83	1669586	13.53	2026712	15.76	
LOWER LIMIT	403715	9.83	417397	12.53	506678	14.76	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 480-606423/1-A		773762	10.33	761567	13.03	876445	15.26
LCS 480-606423/2-A		748291	10.33	763780	13.04	921178	15.26
480-192275-4 MS RE	828021-GW-04 MS RE	713935	10.33	707305	13.04	854995	15.26
480-192275-4 MSD RE	828021-GW-04 MSD RE	771884	10.33	778314	13.04	921014	15.26
480-192275-4 RE	828021-GW-04 RE	748455	10.33	766772	13.03	884498	15.26
480-192275-1 RE	828021-GW-14 RE	711050	10.33	747069	13.04	895051	15.26
480-192275-2 RE	828021-GW-11 RE	738767	10.33	752333	13.04	852501	15.26
480-192275-3 RE	828021-DUP-11112021 RE	752632	10.33	756546	13.04	892010	15.26
480-192275-5 RE	828021-GW-10 RE	746021	10.33	725247	13.03	877711	15.26
480-192275-6 RE	828021-GW-2 RE	741946	10.33	738225	13.03	864013	15.26

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 TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 Lab Sample ID: 480-192275-1
 Matrix: Water Lab File ID: W10018177.d
 Analysis Method: 8270D Date Collected: 11/11/2021 08:38
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 09:38
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	**	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	**	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	**	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	**	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	**	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND	**	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	**	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	**	5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND	**	10	0.42
88-75-5	2-Nitrophenol	ND	**	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	**	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	**	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	**	5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	**	5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND	**	10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND	**	5.0	0.41
208-96-8	Acenaphthylene	ND	**	5.0	0.38
98-86-2	Acetophenone	ND	**	5.0	0.54
120-12-7	Anthracene	ND	**	5.0	0.28
1912-24-9	Atrazine	ND	**	5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 Lab Sample ID: 480-192275-1
 Matrix: Water Lab File ID: W10018177.d
 Analysis Method: 8270D Date Collected: 11/11/2021 08:38
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 09:38
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND	**	5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND	**	10	0.51
84-66-2	Diethyl phthalate	ND	**	5.0	0.22
131-11-3	Dimethyl phthalate	ND	**	5.0	0.36
206-44-0	Fluoranthene	ND	**	5.0	0.40
86-73-7	Fluorene	ND	**	5.0	0.36
118-74-1	Hexachlorobenzene	ND	**	5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND	**	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	**	5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND	**	5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND	**	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND	**	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 Lab Sample ID: 480-192275-1
 Matrix: Water Lab File ID: W10018177.d
 Analysis Method: 8270D Date Collected: 11/11/2021 08:38
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 09:38
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	95		46-120
4165-62-2	Phenol-d5 (Surr)	58		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	80		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	104		41-120
321-60-8	2-Fluorobiphenyl (Surr)	96		48-120
367-12-4	2-Fluorophenol (Surr)	79		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018177.d
 Lims ID: 480-192275-B-1-A
 Client ID: 828021-GW-14
 Sample Type: Client
 Inject. Date: 23-Nov-2021 09:38:30 ALS Bottle#: 44 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-016
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:12:17

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	97	270500	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	100	1045284	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	92	614952	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	1041565	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	100	875319	4.00	
* 6 Perylene-d12	264	15.367	15.362	0.005	98	975446	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	555966	6.31	
\$ 8 Phenol-d5	99	6.227	6.221	0.006	99	510159	4.61	
\$ 9 Nitrobenzene-d5	82	7.039	7.044	-0.005	89	766853	7.58	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	99	1496341	7.68	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	93	275124	8.33	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1368471	6.40	
36 Benzaldehyde	77		6.194				ND	
37 Phenol	94		6.232				ND	U
40 Bis(2-chloroethyl)ether	93		6.323				ND	
41 2-Chlorophenol	128		6.398				ND	
49 2-Methylphenol	108	6.755	6.755	0.000	72	2527	0.0299	
50 2,2'-oxybis[1-chloropropane]	45		6.782				ND	
56 4-Methylphenol	108	6.878	6.878	0.000	94	5275	0.0600	
55 N-Nitrosodi-n-propylamine	70		6.894				ND	
53 Acetophenone	105		6.905				ND	
59 Hexachloroethane	117		7.023				ND	
61 Nitrobenzene	77		7.060				ND	
63 Isophorone	82		7.252				ND	
68 2,4-Dimethylphenol	107		7.332				ND	
67 2-Nitrophenol	139		7.332				ND	
71 Bis(2-chloroethoxy)methane	93		7.407				ND	
74 2,4-Dichlorophenol	162		7.530				ND	
76 Naphthalene	128		7.685				ND	
78 4-Chloroaniline	127		7.706				ND	
81 Hexachlorobutadiene	225		7.776				ND	
84 Caprolactam	113		8.000				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107		8.091				ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	91	2805	0.0158	
93 Hexachlorocyclopentadiene	237		8.396				ND	
94 2,4,6-Trichlorophenol	196		8.486				ND	
95 2,4,5-Trichlorophenol	196		8.524				ND	
97 1,1'-Biphenyl	154		8.647				ND	
98 2-Chloronaphthalene	162		8.679				ND	
100 2-Nitroaniline	65		8.743				ND	
104 Dimethyl phthalate	163		8.866				ND	
106 2,6-Dinitrotoluene	165		8.930				ND	
107 Acenaphthylene	152		9.037				ND	
108 3-Nitroaniline	138		9.079				ND	
110 2,4-Dinitrophenol	184		9.165				ND	
109 Acenaphthene	153		9.181				ND	
111 4-Nitrophenol	109		9.191				ND	
113 2,4-Dinitrotoluene	165		9.272				ND	
114 Dibenzofuran	168		9.320				ND	
119 Diethyl phthalate	149	9.448	9.448	0.000	58	1619	0.008715	
122 4-Chlorophenyl phenyl ether	204		9.581				ND	
125 4-Nitroaniline	138		9.598				ND	
123 Fluorene	166		9.608				ND	
126 4,6-Dinitro-2-methylphenol	198		9.619				ND	U
129 N-Nitrosodiphenylamine	169		9.678				ND	
137 4-Bromophenyl phenyl ether	248		9.998				ND	
138 Hexachlorobenzene	284		10.084				ND	
141 Atrazine	200		10.094				ND	U
143 Pentachlorophenol	266	10.239	10.233	0.000	1	648	0.4538	M
149 Phenanthrene	178		10.426				ND	U
150 Anthracene	178		10.468				ND	
151 Carbazole	167		10.586				ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	97	15878	0.0553	
161 Fluoranthene	202		11.473				ND	
165 Pyrene	202		11.708				ND	
172 Butyl benzyl phthalate	149	12.301	12.301	0.000	92	5331	0.1390	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	95	32322	0.3154	
177 3,3'-Dichlorobenzidine	252		13.043				ND	
179 Benzo[a]anthracene	228		13.123				ND	
181 Chrysene	228		13.177				ND	
184 Di-n-octyl phthalate	149		13.967				ND	
186 Benzo[b]fluoranthene	252		14.742				ND	
187 Benzo[k]fluoranthene	252		14.785				ND	
189 Benzo[a]pyrene	252		15.276				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.210				ND	
194 Dibenz(a,h)anthracene	278		17.221				ND	7
195 Benzo[g,h,i]perylene	276		17.755				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018177.d

Injection Date: 23-Nov-2021 09:38:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-B-1-A

Lab Sample ID: 480-192275-1

Worklist Smp#: 16

Client ID: 828021-GW-14

Injection Vol: 2.0 ul

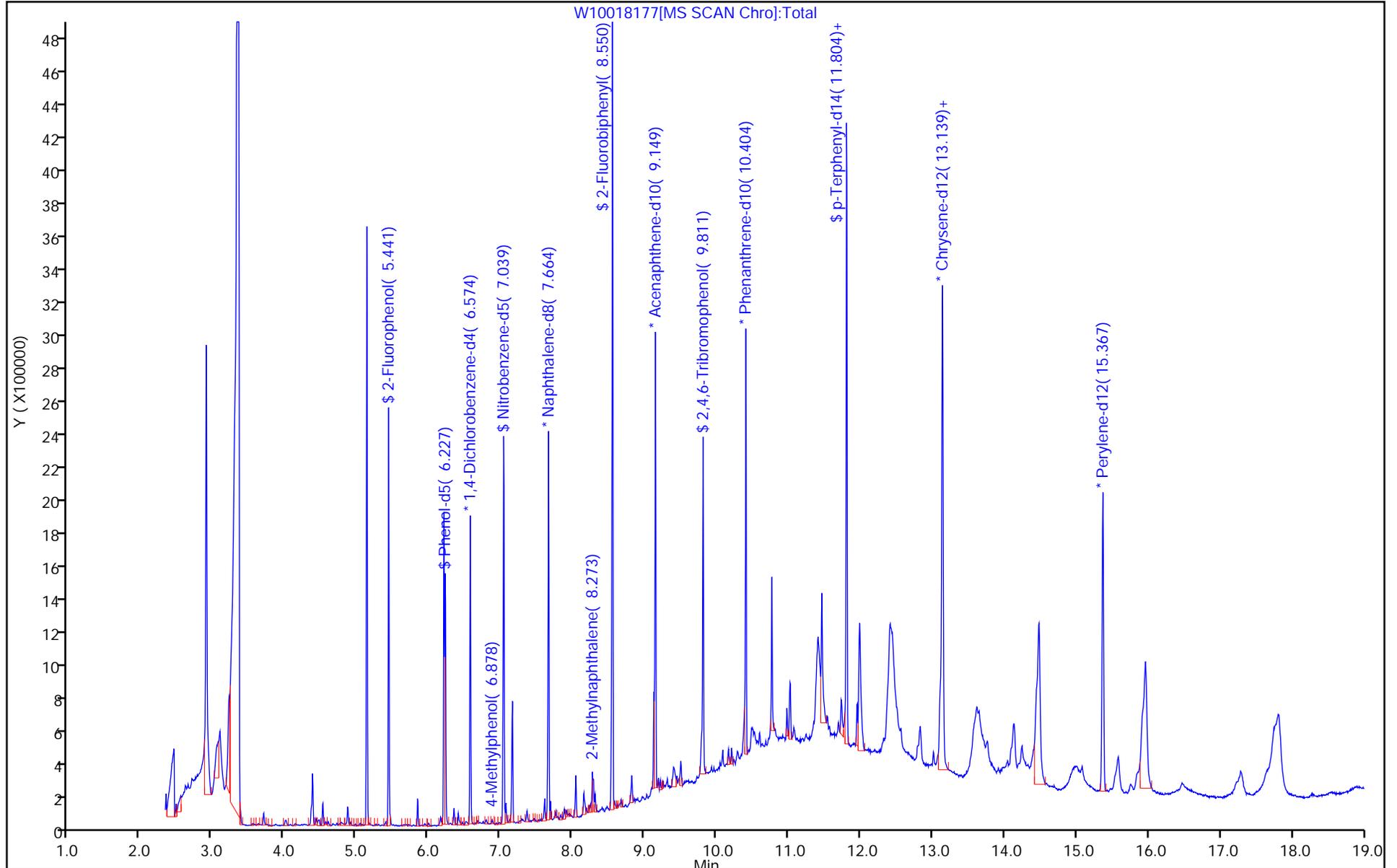
Dil. Factor: 1.0000

ALS Bottle#: 44

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

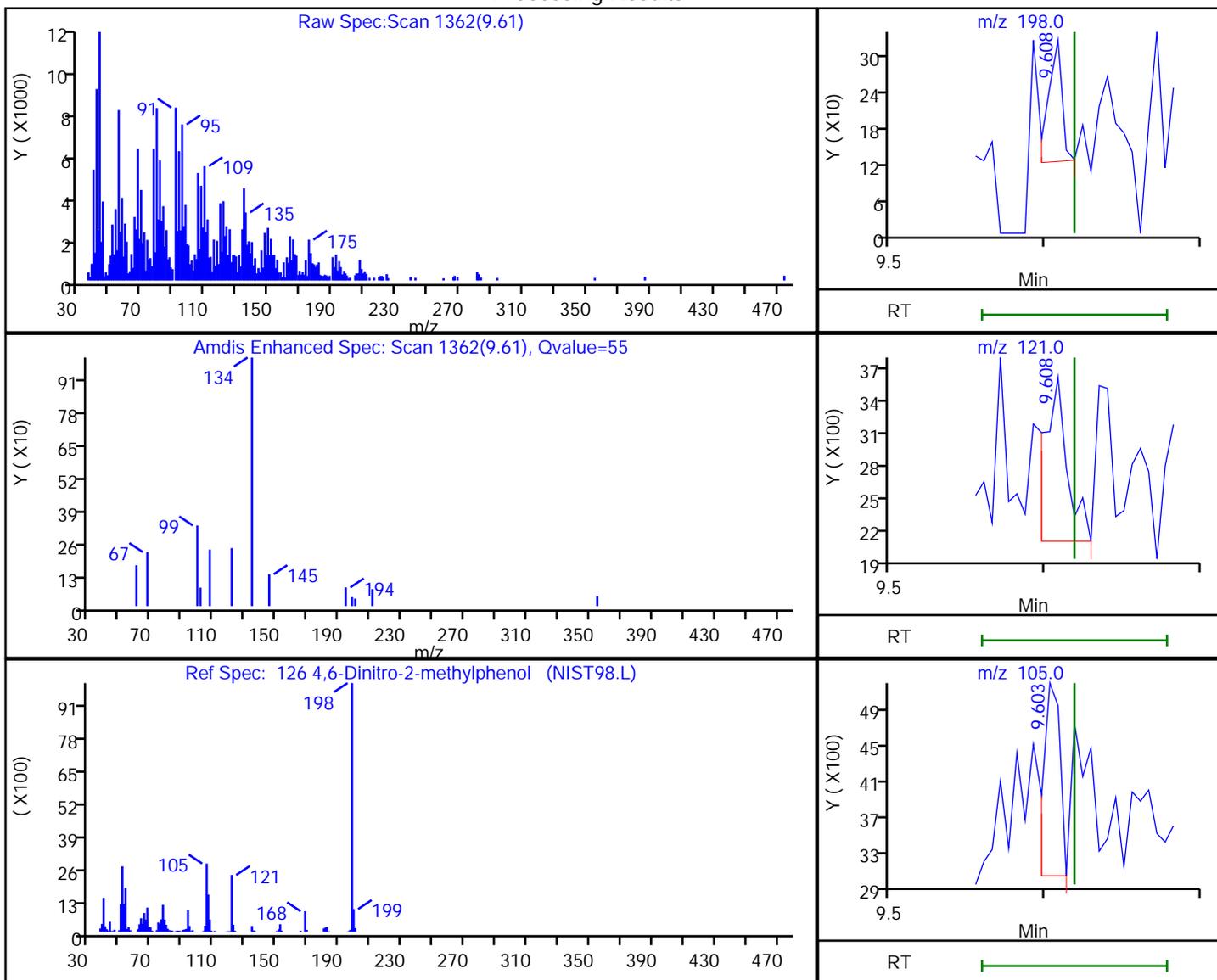


Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102625.b\W10018177.d
 Injection Date: 23-Nov-2021 09:38:30 Instrument ID: HP5973W
 Lims ID: 480-192275-B-1-A Lab Sample ID: 480-192275-1
 Client ID: 828021-GW-14
 Operator ID: PJO ALS Bottle#: 44 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

126 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
9.61	198.00	125	0.562624
9.61	121.00	1560	
9.60	105.00	1589	

Reviewer: schickr, 24-Nov-2021 16:11:41

Audit Action: Marked Compound Undetected

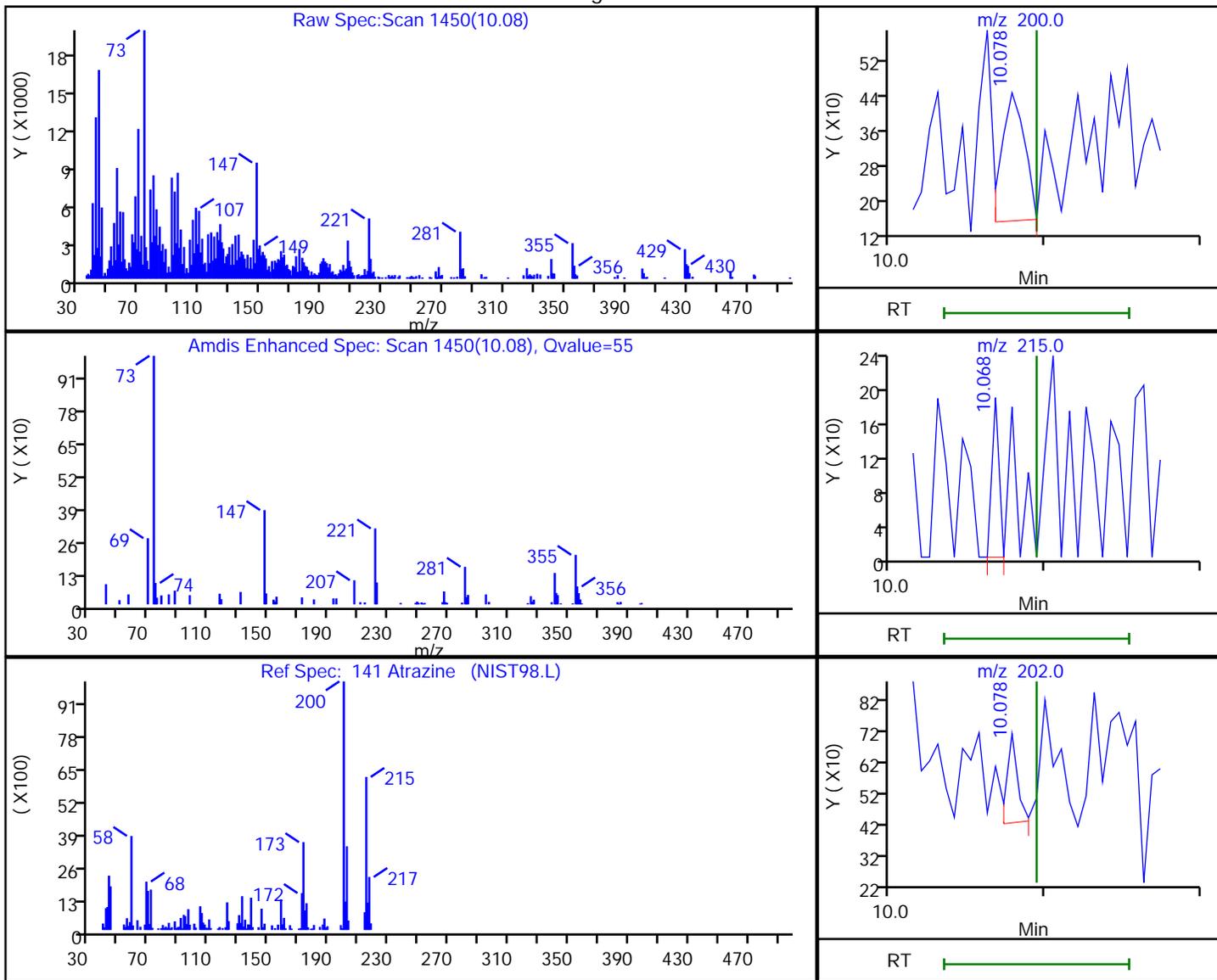
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102625.b\W10018177.d
 Injection Date: 23-Nov-2021 09:38:30 Instrument ID: HP5973W
 Lims ID: 480-192275-B-1-A Lab Sample ID: 480-192275-1
 Client ID: 828021-GW-14
 Operator ID: PJO ALS Bottle#: 44 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

141 Atrazine, CAS: 1912-24-9

Processing Results



RT	Mass	Response	Amount
10.08	200.00	299	0.005371
10.07	215.00	61	
10.08	202.00	140	

Reviewer: schickr, 24-Nov-2021 16:11:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Euofins TestAmerica, Buffalo

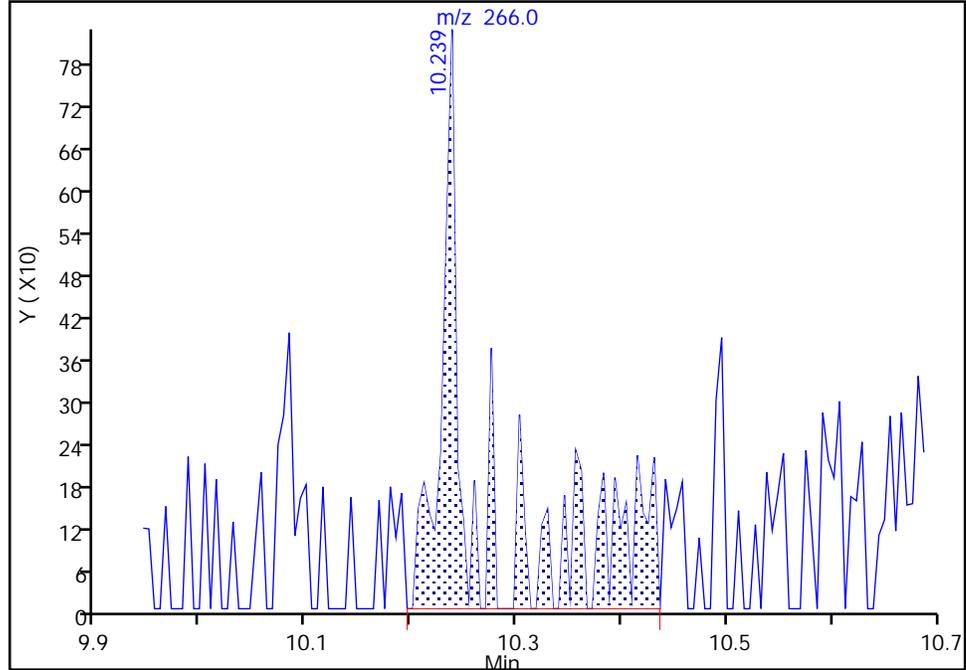
Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102625.b\W10018177.d
Injection Date: 23-Nov-2021 09:38:30 Instrument ID: HP5973W
Lims ID: 480-192275-B-1-A Lab Sample ID: 480-192275-1
Client ID: 828021-GW-14
Operator ID: PJQ ALS Bottle#: 44 Worklist Smp#: 16
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

143 Pentachlorophenol, CAS: 87-86-5

Signal: 1

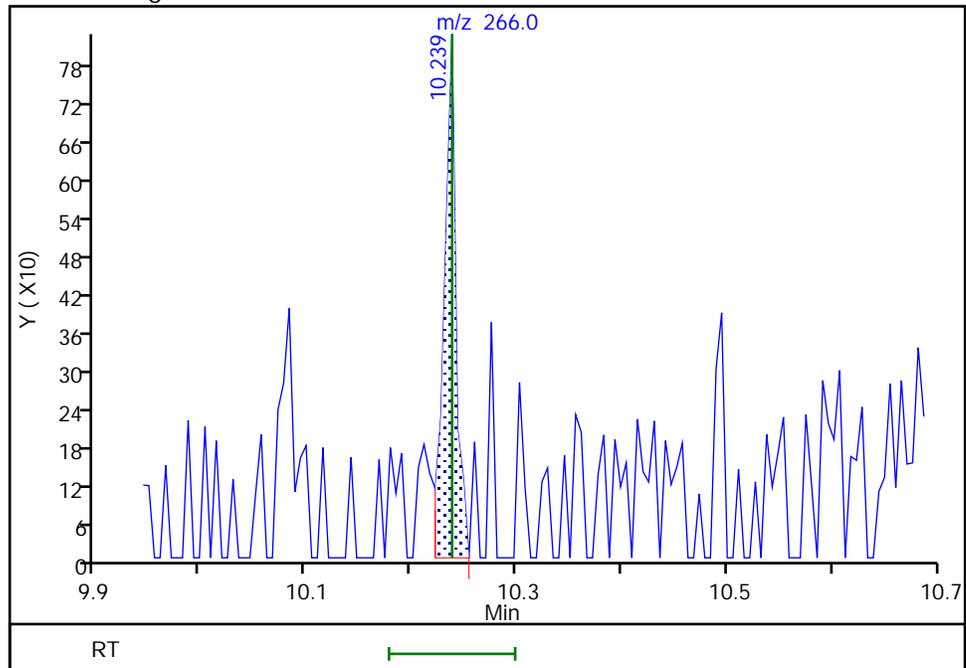
RT: 10.24
Area: 1838
Amount: 0.484295
Amount Units: ng/uL

Processing Integration Results



RT: 10.24
Area: 648
Amount: 0.453832
Amount Units: ng/uL

Manual Integration Results



Reviewer: schickr, 24-Nov-2021 16:12:04
Audit Action: Split an Integrated Peak

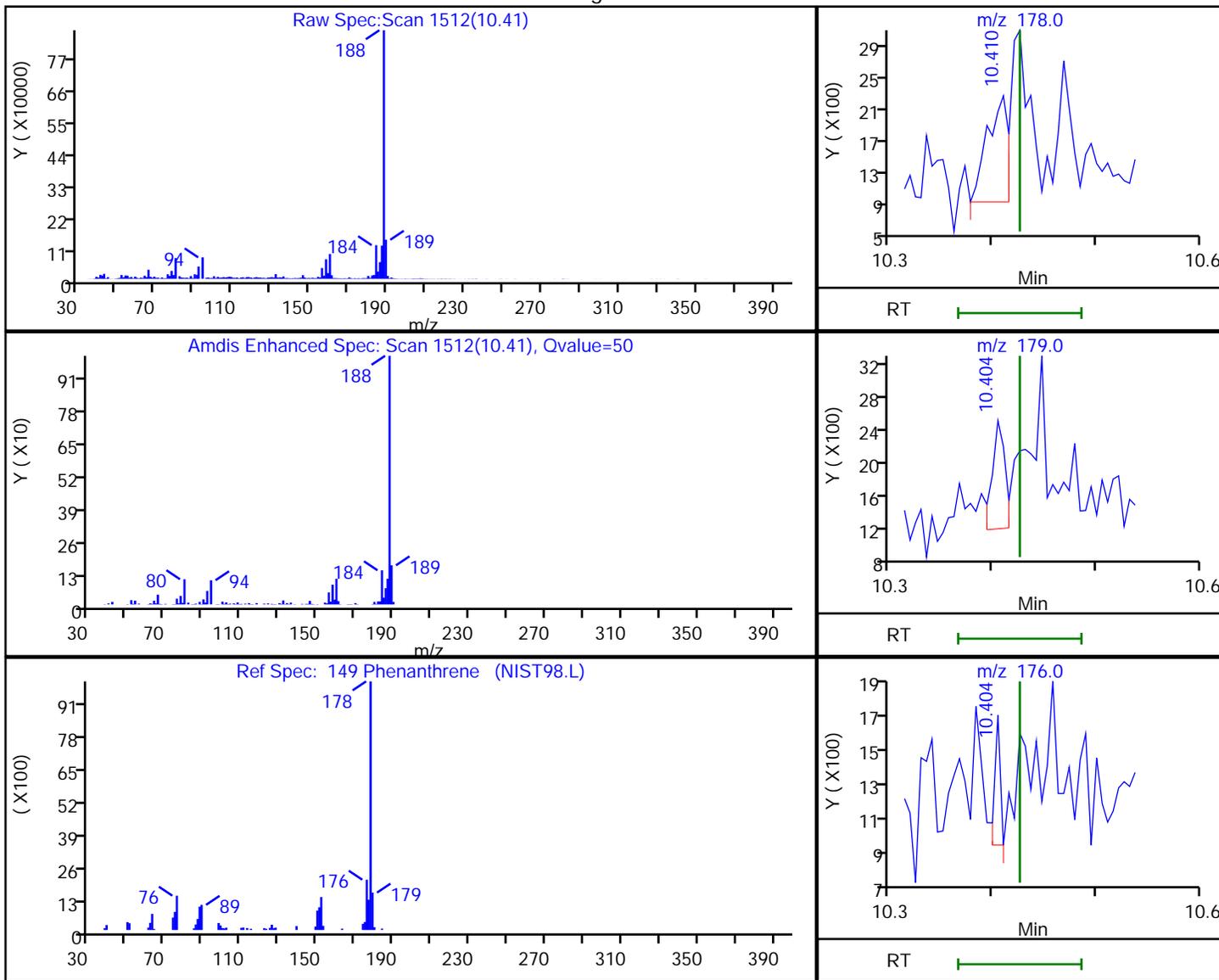
Audit Reason: Split Peak

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018177.d
 Injection Date: 23-Nov-2021 09:38:30 Instrument ID: HP5973W
 Lims ID: 480-192275-B-1-A Lab Sample ID: 480-192275-1
 Client ID: 828021-GW-14
 Operator ID: PJQ ALS Bottle#: 44 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

149 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.41	178.00	1816	0.006551
10.40	179.00	1145	
10.40	176.00	268	

Reviewer: schickr, 24-Nov-2021 16:12:08

Audit Action: Marked Compound Undetected

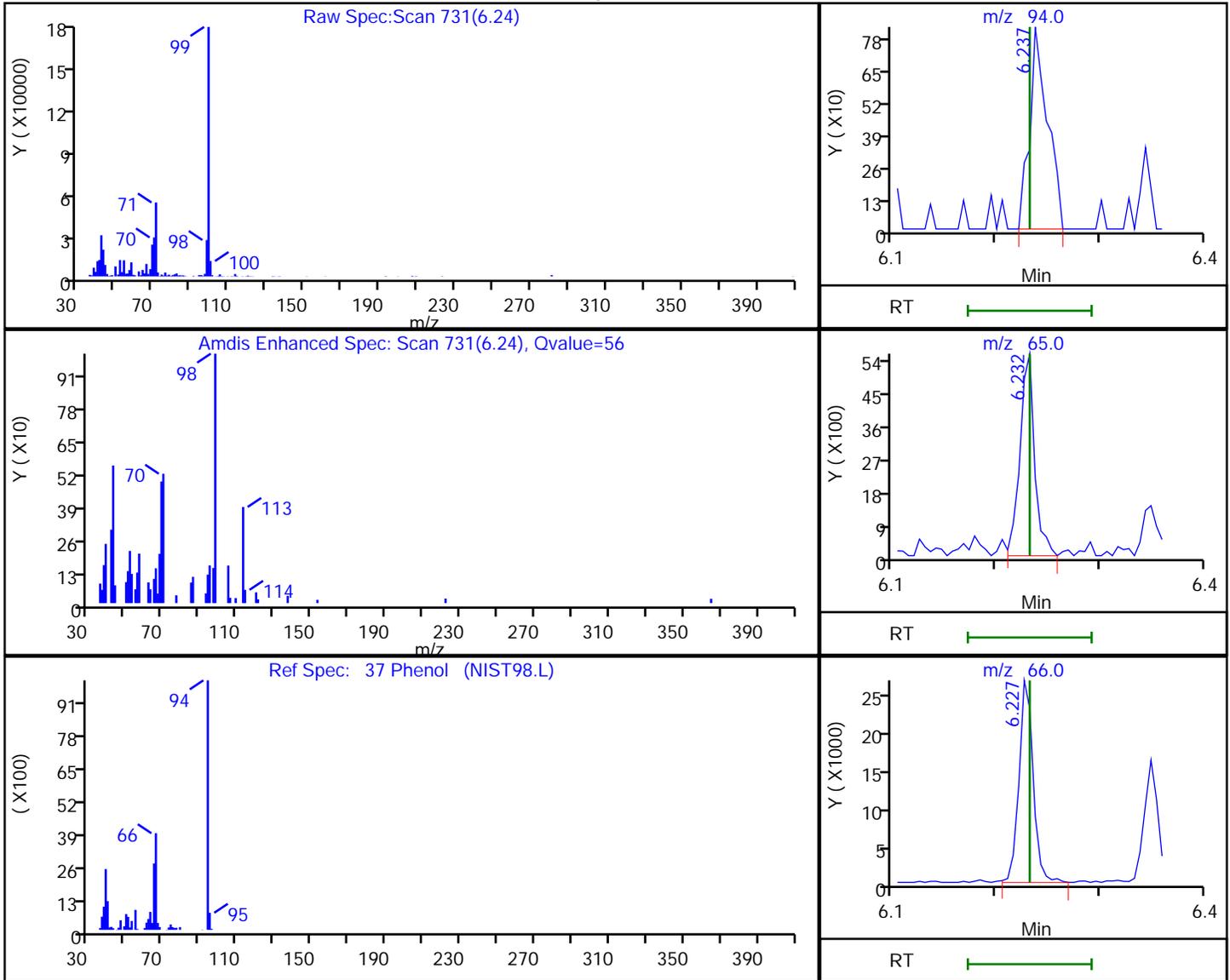
Audit Reason: Invalid Compound ID

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018177.d
 Injection Date: 23-Nov-2021 09:38:30 Instrument ID: HP5973W
 Lims ID: 480-192275-B-1-A Lab Sample ID: 480-192275-1
 Client ID: 828021-GW-14
 Operator ID: PJQ ALS Bottle#: 44 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

37 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
6.24	94.00	998	0.008539
6.23	65.00	5496	
6.23	66.00	25619	

Reviewer: schickr, 24-Nov-2021 16:11:25
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 RE Lab Sample ID: 480-192275-1 RE
 Matrix: Water Lab File ID: Y02827261.D
 Analysis Method: 8270D Date Collected: 11/11/2021 08:38
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:56
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
95-48-7	2-Methylphenol	ND	H	5.0	0.40
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo[a]anthracene	ND	H	5.0	0.36
50-32-8	Benzo[a]pyrene	ND	H	5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 RE Lab Sample ID: 480-192275-1 RE
 Matrix: Water Lab File ID: Y02827261.D
 Analysis Method: 8270D Date Collected: 11/11/2021 08:38
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:56
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	H	5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-14 RE Lab Sample ID: 480-192275-1 RE
 Matrix: Water Lab File ID: Y02827261.D
 Analysis Method: 8270D Date Collected: 11/11/2021 08:38
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:56
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	86		46-120
4165-62-2	Phenol-d5 (Surr)	52		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	97		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	131	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	103		48-120
367-12-4	2-Fluorophenol (Surr)	74		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827261.D
 Lims ID: 480-192275-A-1-A
 Client ID: 828021-GW-14
 Sample Type: Client
 Inject. Date: 30-Nov-2021 20:56:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-019
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 12:06:03

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.491	6.490	0.001	92	184470	4.00	
* 2 Naphthalene-d8	136	7.578	7.579	-0.001	98	661155	4.00	
* 3 Acenaphthene-d10	164	9.065	9.066	-0.001	91	414641	4.00	
* 4 Phenanthrene-d10	188	10.328	10.329	-0.001	94	711050	4.00	
* 5 Chrysene-d12	240	13.035	13.033	0.002	96	747069	4.00	
* 6 Perylene-d12	264	15.262	15.258	0.004	98	895051	4.00	
\$ 7 2-Fluorophenol	112	5.379	5.361	0.018	87	291300	5.89	
\$ 8 Phenol-d5	99	6.176	6.170	0.006	0	235103	4.13	
\$ 9 Nitrobenzene-d5	82	6.960	6.959	0.001	86	372508	6.84	
\$ 10 2-Fluorobiphenyl	172	8.469	8.468	0.001	99	1155240	8.22	
\$ 11 2,4,6-Tribromophenol	330	9.732	9.734	-0.002	88	301475	10.5	
\$ 12 p-Terphenyl-d14	244	11.715	11.715	0.000	96	1506064	7.72	
35 Benzaldehyde	77		6.116				ND	
37 Phenol	94		6.181				ND	
39 Bis(2-chloroethyl)ether	93		6.241				ND	
40 2-Chlorophenol	128		6.320				ND	
48 2-Methylphenol	108		6.692				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698				ND	
53 N-Nitrosodi-n-propylamine	70		6.811				ND	
57 4-Methylphenol	108		6.817				ND	
52 Acetophenone	105		6.825				ND	
58 Hexachloroethane	117		6.936				ND	
59 Nitrobenzene	77		6.976				ND	
62 Isophorone	82		7.169				ND	
64 2-Nitrophenol	139		7.248				ND	
66 2,4-Dimethylphenol	107		7.262				ND	
69 Bis(2-chloroethoxy)methane	93		7.328				ND	
72 2,4-Dichlorophenol	162		7.455				ND	
74 Naphthalene	128		7.600				ND	
76 4-Chloroaniline	127		7.626				ND	
79 Hexachlorobutadiene	225		7.691				ND	
84 Caprolactam	113		7.926				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
85 4-Chloro-3-methylphenol	107		8.026				ND	U
87 2-Methylnaphthalene	142		8.179				ND	
90 Hexachlorocyclopentadiene	237		8.309				ND	
93 2,4,6-Trichlorophenol	196		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.451				ND	
96 1,1'-Biphenyl	154		8.559				ND	
97 2-Chloronaphthalene	162		8.596				ND	
100 2-Nitroaniline	65		8.667				ND	
105 Dimethyl phthalate	163		8.786				ND	
107 2,6-Dinitrotoluene	165		8.851				ND	
108 Acenaphthylene	152		8.951				ND	
109 3-Nitroaniline	138		9.007				ND	
111 2,4-Dinitrophenol	184		9.093				ND	
110 Acenaphthene	153		9.095				ND	
112 4-Nitrophenol	109		9.141				ND	
114 2,4-Dinitrotoluene	165		9.198				ND	
115 Dibenzofuran	168		9.237				ND	
120 Diethyl phthalate	149		9.371				ND	
123 4-Chlorophenyl phenyl ether	204		9.498				ND	
126 4-Nitroaniline	138		9.527				ND	
124 Fluorene	166		9.530				ND	
127 4,6-Dinitro-2-methylphenol	198		9.549				ND	
130 N-Nitrosodiphenylamine	169		9.598				ND	
139 4-Bromophenyl phenyl ether	248		9.915				ND	
140 Hexachlorobenzene	284		10.003				ND	
143 Atrazine	200		10.018				ND	
145 Pentachlorophenol	266		10.162				ND	
151 Phenanthrene	178		10.350				ND	
152 Anthracene	178		10.392				ND	
153 Carbazole	167		10.511				ND	
157 Di-n-butyl phthalate	149	10.734	10.736	-0.002	96	5477	0.0273	
164 Fluoranthene	202		11.388				ND	
167 Pyrene	202		11.618				ND	
174 Butyl benzyl phthalate	149		12.203				ND	
181 Bis(2-ethylhexyl) phthalate	149	12.907	12.903	0.004	72	8142	0.0606	
179 3,3'-Dichlorobenzidine	252		12.940				ND	
180 Benzo[a]anthracene	228		13.020				ND	
182 Chrysene	228		13.071				ND	
184 Di-n-octyl phthalate	149		13.851				ND	
186 Benzo[b]fluoranthene	252		14.637				ND	
187 Benzo[k]fluoranthene	252		14.680				ND	
189 Benzo[a]pyrene	252		15.171				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.092				ND	
194 Dibenz(a,h)anthracene	278		17.097				ND	
195 Benzo[g,h,i]perylene	276		17.631				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827261.D

Injection Date: 30-Nov-2021 20:56:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-A-1-A

Lab Sample ID: 480-192275-1

Worklist Smp#: 19

Client ID: 828021-GW-14

Injection Vol: 2.0 ul

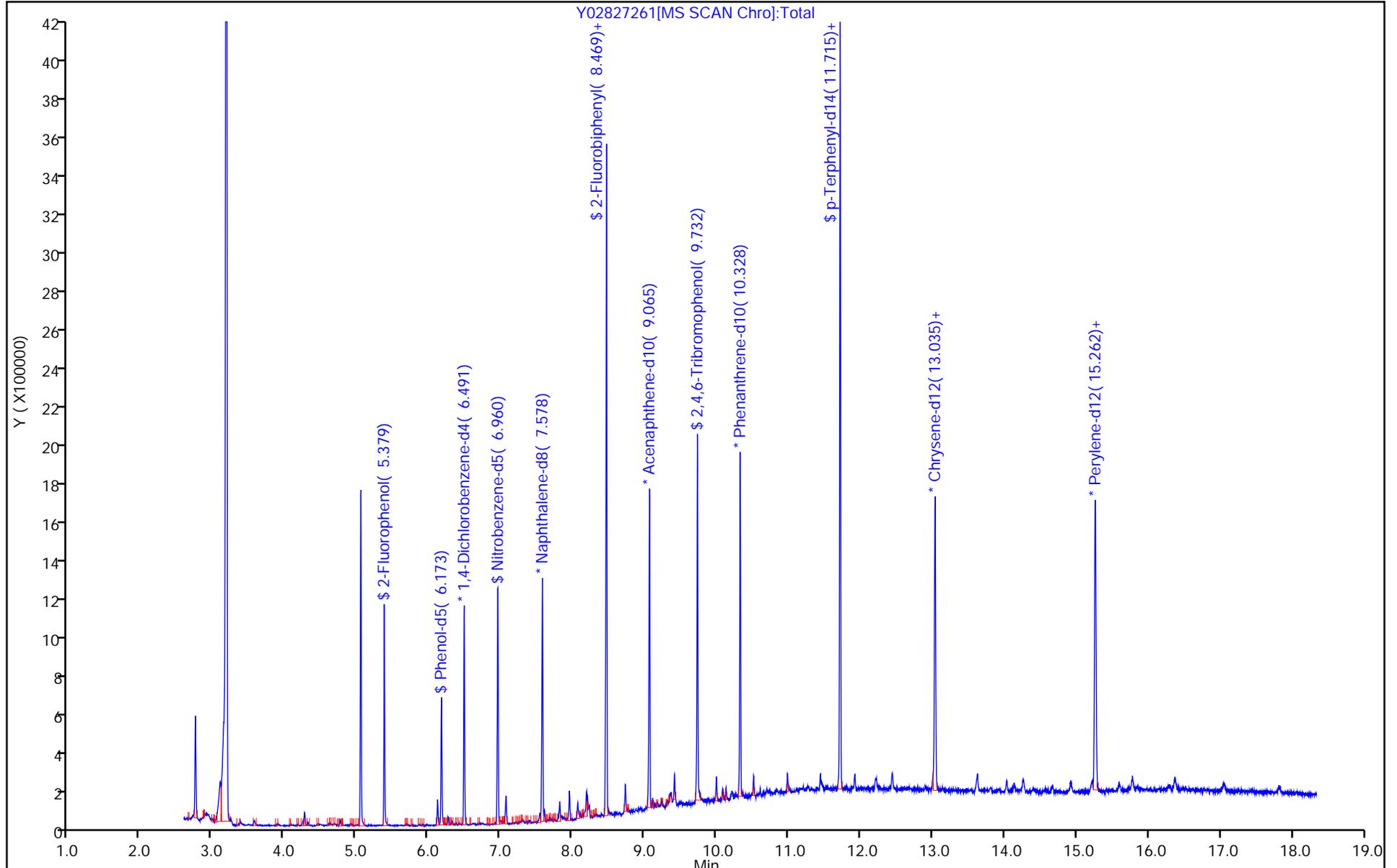
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827261.D

Injection Date: 30-Nov-2021 20:56:30

Instrument ID: HP5973Y

Lims ID: 480-192275-A-1-A

Lab Sample ID: 480-192275-1

Client ID: 828021-GW-14

Operator ID: JM

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: Y-LVI-8270

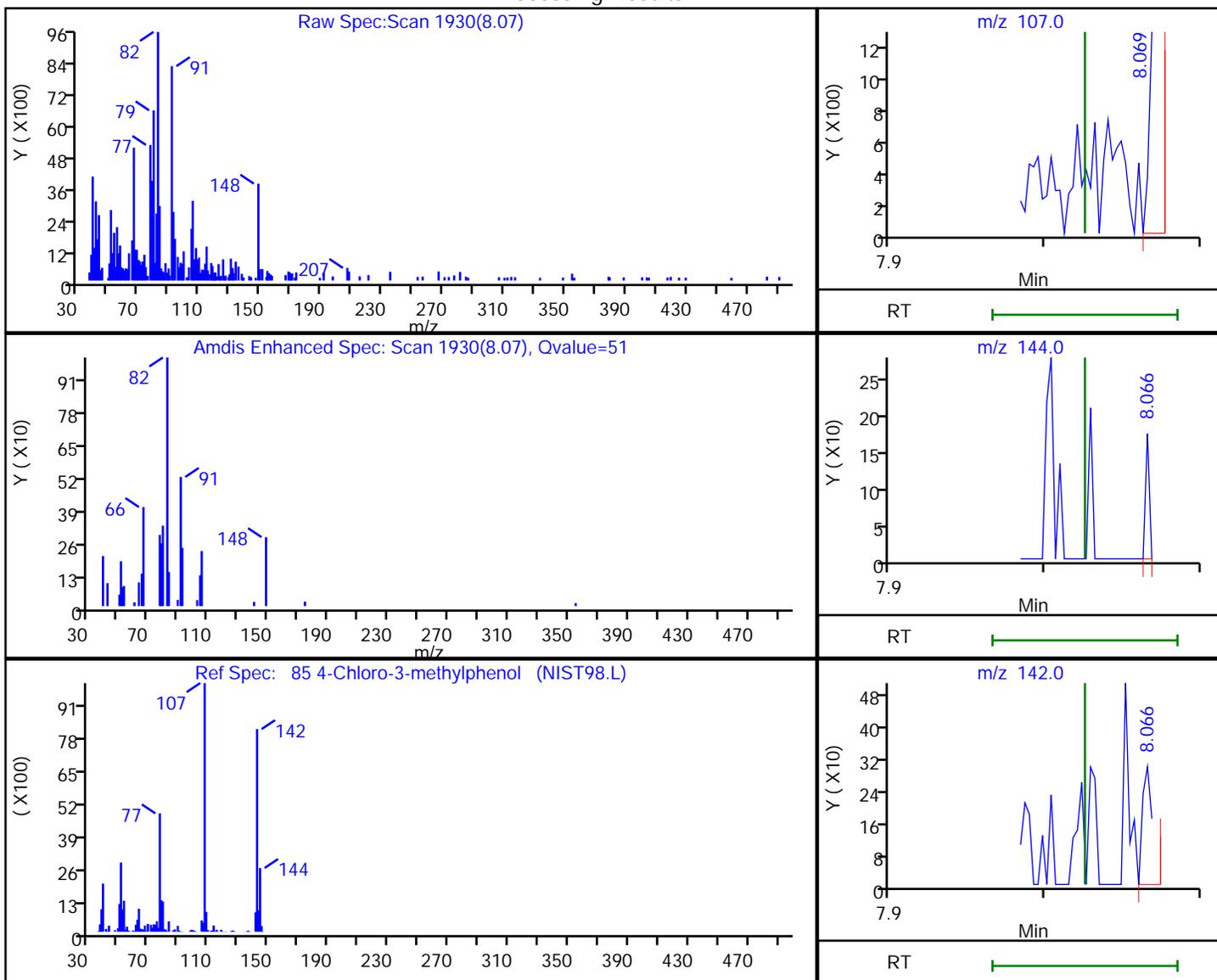
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

85 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
8.07	107.00	650	0.015466
8.07	144.00	29	
8.07	142.00	162	

Reviewer: marshallj, 01-Dec-2021 12:05:11

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 Lab Sample ID: 480-192275-2
 Matrix: Water Lab File ID: W10018178.d
 Analysis Method: 8270D Date Collected: 11/10/2021 15:11
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 240 (mL) Date Analyzed: 11/23/2021 10:05
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	**	5.2	0.68
108-60-1	bis (2-chloroisopropyl) ether	ND		5.2	0.54
95-95-4	2,4,5-Trichlorophenol	ND	**	5.2	0.50
88-06-2	2,4,6-Trichlorophenol	ND	**	5.2	0.64
120-83-2	2,4-Dichlorophenol	ND	**	5.2	0.53
105-67-9	2,4-Dimethylphenol	ND	**	5.2	0.52
51-28-5	2,4-Dinitrophenol	ND		10	2.3
121-14-2	2,4-Dinitrotoluene	ND	**	5.2	0.47
606-20-2	2,6-Dinitrotoluene	ND	**	5.2	0.42
91-58-7	2-Chloronaphthalene	ND	**	5.2	0.48
95-57-8	2-Chlorophenol	ND		5.2	0.55
95-48-7	2-Methylphenol	ND		5.2	0.42
91-57-6	2-Methylnaphthalene	ND		5.2	0.63
88-74-4	2-Nitroaniline	ND	**	10	0.44
88-75-5	2-Nitrophenol	ND	**	5.2	0.50
91-94-1	3,3'-Dichlorobenzidine	ND		5.2	0.42
99-09-2	3-Nitroaniline	ND		10	0.50
534-52-1	4,6-Dinitro-2-methylphenol	ND	**	10	2.3
101-55-3	4-Bromophenyl phenyl ether	ND	**	5.2	0.47
59-50-7	4-Chloro-3-methylphenol	ND	**	5.2	0.47
106-47-8	4-Chloroaniline	ND		5.2	0.61
7005-72-3	4-Chlorophenyl phenyl ether	ND	**	5.2	0.36
106-44-5	4-Methylphenol	ND		10	0.38
100-01-6	4-Nitroaniline	ND	**	10	0.26
100-02-7	4-Nitrophenol	ND		10	1.6
83-32-9	Acenaphthene	ND	**	5.2	0.43
208-96-8	Acenaphthylene	ND	**	5.2	0.40
98-86-2	Acetophenone	ND	**	5.2	0.56
120-12-7	Anthracene	ND	**	5.2	0.29
1912-24-9	Atrazine	ND	**	5.2	0.48
100-52-7	Benzaldehyde	ND		5.2	0.28
56-55-3	Benzo[a]anthracene	ND		5.2	0.38
50-32-8	Benzo[a]pyrene	ND		5.2	0.49
205-99-2	Benzo[b]fluoranthene	ND		5.2	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 Lab Sample ID: 480-192275-2
 Matrix: Water Lab File ID: W10018178.d
 Analysis Method: 8270D Date Collected: 11/10/2021 15:11
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 240 (mL) Date Analyzed: 11/23/2021 10:05
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.2	0.36
207-08-9	Benzo[k]fluoranthene	ND		5.2	0.76
111-91-1	Bis(2-chloroethoxy)methane	ND		5.2	0.36
111-44-4	Bis(2-chloroethyl)ether	ND		5.2	0.42
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.2	2.3
85-68-7	Butyl benzyl phthalate	ND		5.2	1.0
105-60-2	Caprolactam	ND		5.2	2.3
86-74-8	Carbazole	ND	**	5.2	0.31
218-01-9	Chrysene	ND		5.2	0.34
53-70-3	Dibenz(a,h)anthracene	ND		5.2	0.44
84-74-2	Di-n-butyl phthalate	0.36	J	5.2	0.32
117-84-0	Di-n-octyl phthalate	ND		5.2	0.49
132-64-9	Dibenzofuran	ND	**	10	0.53
84-66-2	Diethyl phthalate	ND	**	5.2	0.23
131-11-3	Dimethyl phthalate	ND	**	5.2	0.38
206-44-0	Fluoranthene	ND	**	5.2	0.42
86-73-7	Fluorene	ND	**	5.2	0.38
118-74-1	Hexachlorobenzene	ND	**	5.2	0.53
87-68-3	Hexachlorobutadiene	ND		5.2	0.71
77-47-4	Hexachlorocyclopentadiene	ND		5.2	0.61
67-72-1	Hexachloroethane	ND		5.2	0.61
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.2	0.49
78-59-1	Isophorone	ND	**	5.2	0.45
621-64-7	N-Nitrosodi-n-propylamine	ND		5.2	0.56
86-30-6	N-Nitrosodiphenylamine	ND	**	5.2	0.53
91-20-3	Naphthalene	ND		5.2	0.79
98-95-3	Nitrobenzene	ND	**	5.2	0.30
87-86-5	Pentachlorophenol	ND		10	2.3
85-01-8	Phenanthrene	ND	**	5.2	0.46
108-95-2	Phenol	ND		5.2	0.41
129-00-0	Pyrene	ND	**	5.2	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 Lab Sample ID: 480-192275-2
 Matrix: Water Lab File ID: W10018178.d
 Analysis Method: 8270D Date Collected: 11/10/2021 15:11
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 240 (mL) Date Analyzed: 11/23/2021 10:05
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	105		46-120
4165-62-2	Phenol-d5 (Surr)	64		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	106		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	96		41-120
321-60-8	2-Fluorobiphenyl (Surr)	110		48-120
367-12-4	2-Fluorophenol (Surr)	85		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018178.d
 Lims ID: 480-192275-B-2-A
 Client ID: 828021-GW-11
 Sample Type: Client
 Inject. Date: 23-Nov-2021 10:05:30 ALS Bottle#: 45 Worklist Smp#: 17
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-017
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:12:52

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	97	229780	4.00	
* 2 Naphthalene-d8	136	7.663	7.664	-0.001	100	894940	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	93	521071	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	871081	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	775740	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	839562	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	94	509547	6.81	
\$ 8 Phenol-d5	99	6.226	6.221	0.005	99	481122	5.12	
\$ 9 Nitrobenzene-d5	82	7.038	7.044	-0.006	89	728243	8.41	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	100	1448476	8.78	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	94	211562	7.67	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1613107	8.51	
36 Benzaldehyde	77		6.194				ND	
37 Phenol	94		6.232				ND	
40 Bis(2-chloroethyl)ether	93		6.323				ND	
41 2-Chlorophenol	128		6.398				ND	
49 2-Methylphenol	108		6.755				ND	
50 2,2'-oxybis[1-chloropropane]	45		6.782				ND	
56 4-Methylphenol	108		6.878				ND	
55 N-Nitrosodi-n-propylamine	70		6.894				ND	
53 Acetophenone	105		6.905				ND	
59 Hexachloroethane	117		7.023				ND	
61 Nitrobenzene	77		7.060				ND	
63 Isophorone	82		7.252				ND	
68 2,4-Dimethylphenol	107		7.332				ND	
67 2-Nitrophenol	139		7.332				ND	
71 Bis(2-chloroethoxy)methane	93		7.407				ND	
74 2,4-Dichlorophenol	162		7.530				ND	
76 Naphthalene	128	7.679	7.685	-0.006	65	5887	0.0257	
78 4-Chloroaniline	127		7.706				ND	
81 Hexachlorobutadiene	225		7.776				ND	
84 Caprolactam	113		8.000				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107		8.091				ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	93	3777	0.0249	
93 Hexachlorocyclopentadiene	237		8.396				ND	
94 2,4,6-Trichlorophenol	196		8.486				ND	
95 2,4,5-Trichlorophenol	196		8.524				ND	
97 1,1'-Biphenyl	154		8.647				ND	7
98 2-Chloronaphthalene	162		8.679				ND	
100 2-Nitroaniline	65		8.743				ND	
104 Dimethyl phthalate	163		8.866				ND	
106 2,6-Dinitrotoluene	165		8.930				ND	
107 Acenaphthylene	152		9.037				ND	
108 3-Nitroaniline	138		9.079				ND	
110 2,4-Dinitrophenol	184		9.165				ND	
109 Acenaphthene	153		9.181				ND	
111 4-Nitrophenol	109		9.191				ND	
113 2,4-Dinitrotoluene	165		9.272				ND	
114 Dibenzofuran	168		9.320				ND	
119 Diethyl phthalate	149	9.448	9.448	0.000	73	2037	0.0129	
122 4-Chlorophenyl phenyl ether	204		9.581				ND	
125 4-Nitroaniline	138		9.598				ND	
123 Fluorene	166	9.608	9.608	0.000	68	1200	0.007444	
126 4,6-Dinitro-2-methylphenol	198		9.619				ND	
129 N-Nitrosodiphenylamine	169		9.678				ND	
137 4-Bromophenyl phenyl ether	248		9.998				ND	
138 Hexachlorobenzene	284		10.084				ND	
141 Atrazine	200		10.094				ND	
143 Pentachlorophenol	266		10.239				ND	
149 Phenanthrene	178	10.425	10.425	-0.001	47	3306	0.0143	a
150 Anthracene	178		10.468				ND	
151 Carbazole	167		10.586				ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	99	20525	0.0855	
161 Fluoranthene	202	11.472	11.467	-0.001	51	1688	0.007093	
165 Pyrene	202		11.708				ND	
172 Butyl benzyl phthalate	149	12.300	12.301	-0.001	89	7023	0.1593	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	94	29086	0.3181	
177 3,3'-Dichlorobenzidine	252		13.043				ND	
179 Benzo[a]anthracene	228		13.123				ND	
181 Chrysene	228		13.177				ND	
184 Di-n-octyl phthalate	149		13.967				ND	
186 Benzo[b]fluoranthene	252		14.742				ND	
187 Benzo[k]fluoranthene	252		14.785				ND	
189 Benzo[a]pyrene	252		15.276				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.210				ND	
194 Dibenz(a,h)anthracene	278		17.221				ND	
195 Benzo[g,h,i]perylene	276		17.755				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018178.d

Injection Date: 23-Nov-2021 10:05:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-B-2-A

Lab Sample ID: 480-192275-2

Worklist Smp#: 17

Client ID: 828021-GW-11

Injection Vol: 2.0 ul

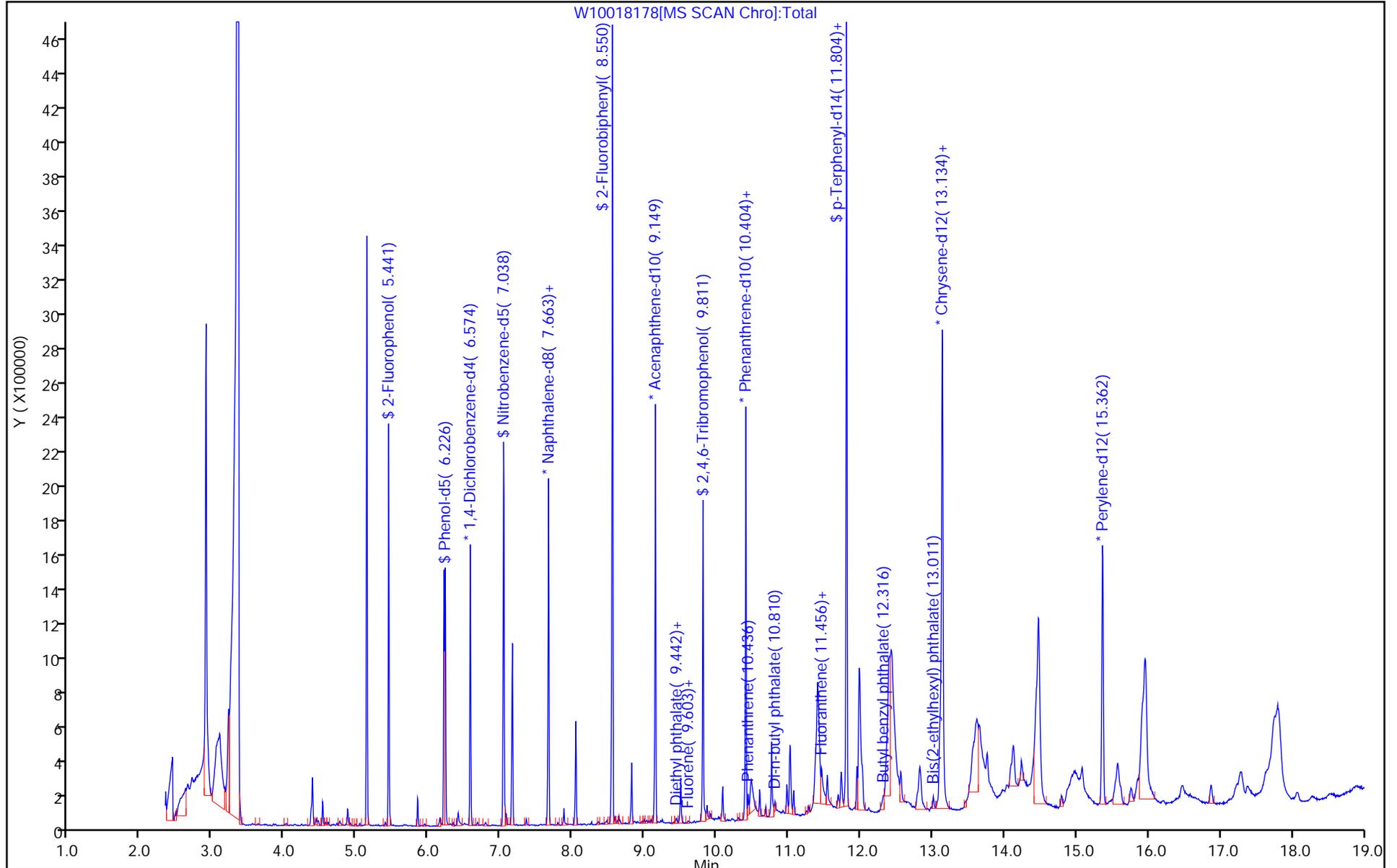
Dil. Factor: 1.0000

ALS Bottle#: 45

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018178.d

Injection Date: 23-Nov-2021 10:05:30

Instrument ID: HP5973W

Lims ID: 480-192275-B-2-A

Lab Sample ID: 480-192275-2

Client ID: 828021-GW-11

Operator ID: PJQ

ALS Bottle#: 45

Worklist Smp#: 17

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

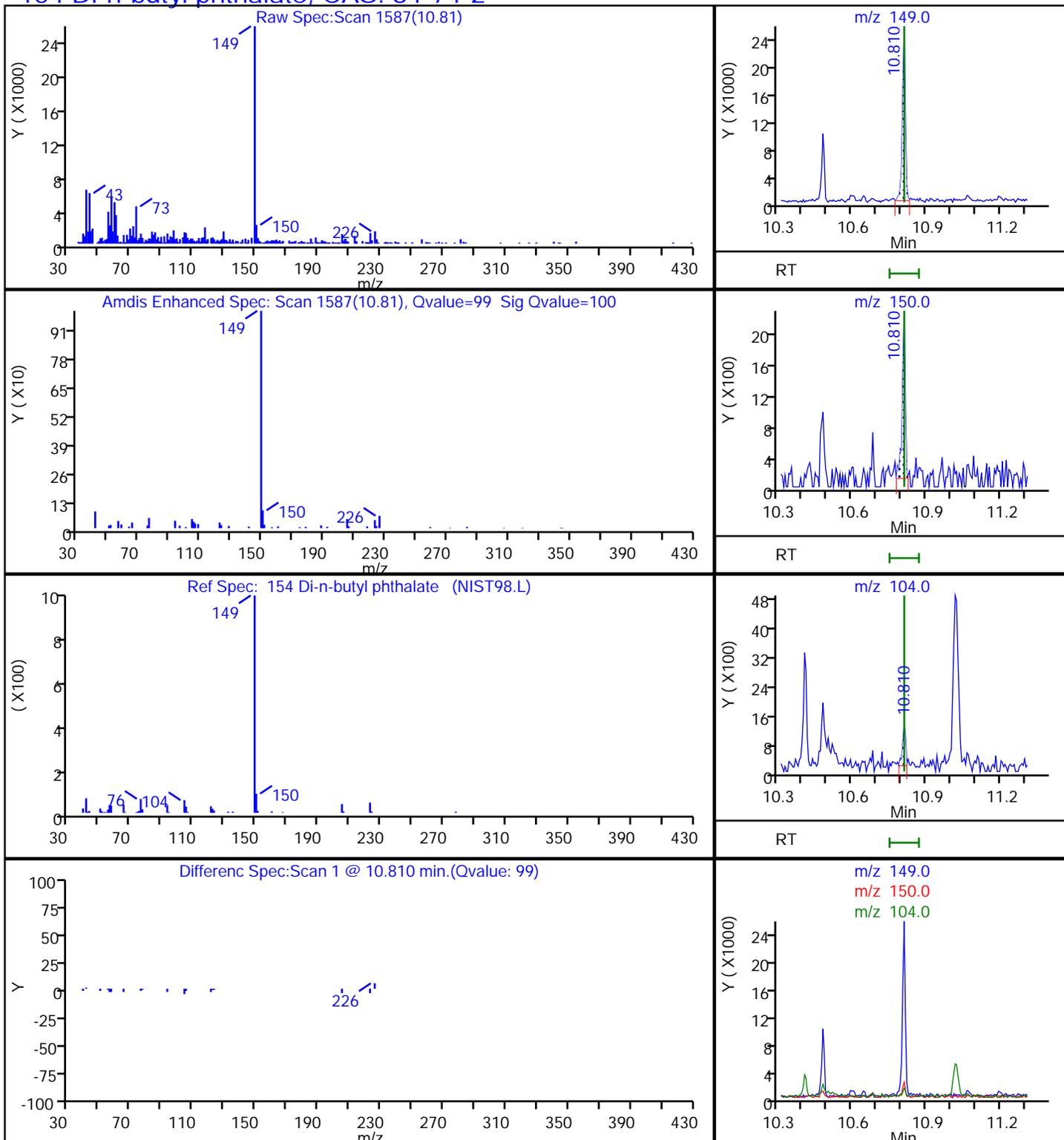
Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

154 Di-n-butyl phthalate, CAS: 84-74-2



Eurofins TestAmerica, Buffalo

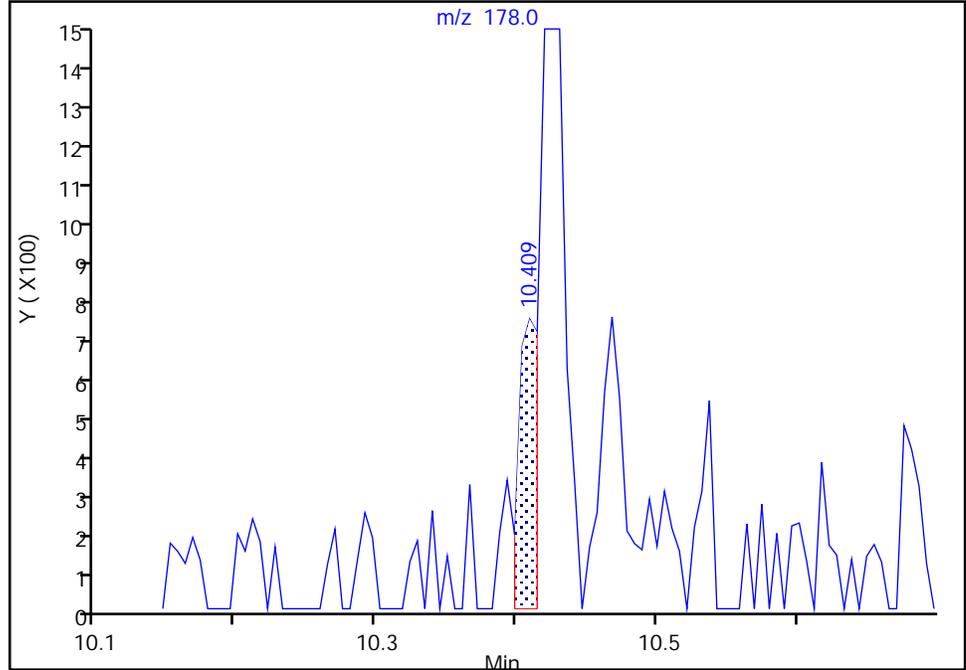
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Injection Date: 23-Nov-2021 10:05:30 Instrument ID: HP5973W
Lims ID: 480-192275-B-2-A Lab Sample ID: 480-192275-2
Client ID: 828021-GW-11
Operator ID: PJQ ALS Bottle#: 45 Worklist Smp#: 17
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

149 Phenanthrene, CAS: 85-01-8

Signal: 1

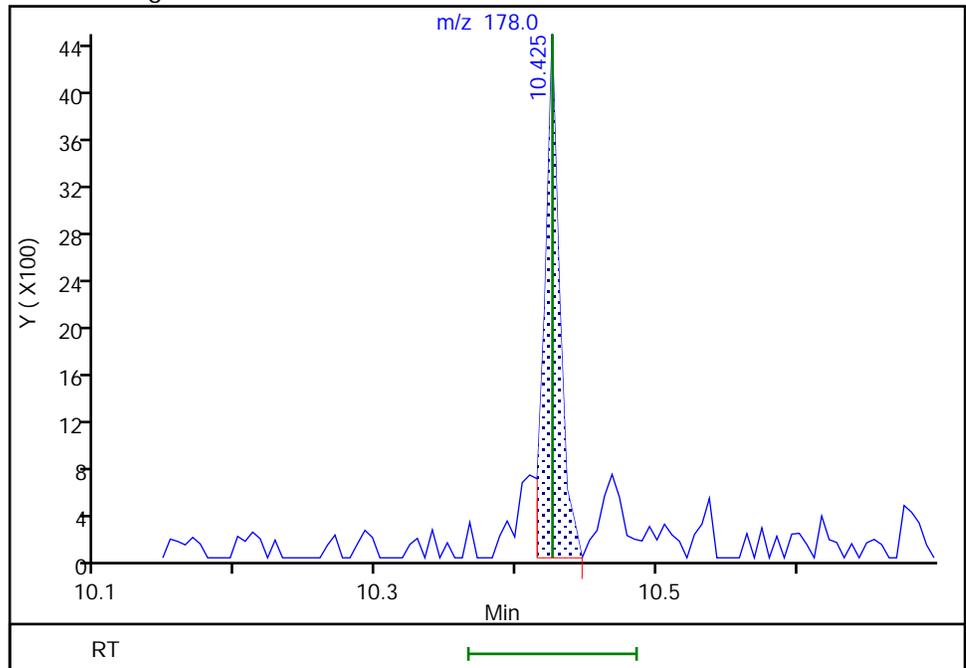
RT: 10.41
Area: 702
Amount: 0.003028
Amount Units: ng/uL

Processing Integration Results



RT: 10.43
Area: 3306
Amount: 0.014260
Amount Units: ng/uL

Manual Integration Results



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 RE Lab Sample ID: 480-192275-2 RE
 Matrix: Water Lab File ID: Y02827262.D
 Analysis Method: 8270D Date Collected: 11/10/2021 15:11
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 21:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
95-48-7	2-Methylphenol	ND	H	5.0	0.40
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo[a]anthracene	ND	H	5.0	0.36
50-32-8	Benzo[a]pyrene	ND	H	5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND	H	5.0	0.34

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GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 RE Lab Sample ID: 480-192275-2 RE
 Matrix: Water Lab File ID: Y02827262.D
 Analysis Method: 8270D Date Collected: 11/10/2021 15:11
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 21:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	H	5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-11 RE Lab Sample ID: 480-192275-2 RE
 Matrix: Water Lab File ID: Y02827262.D
 Analysis Method: 8270D Date Collected: 11/10/2021 15:11
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 21:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	88		46-120
4165-62-2	Phenol-d5 (Surr)	53		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	108		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	91		41-120
321-60-8	2-Fluorobiphenyl (Surr)	107		48-120
367-12-4	2-Fluorophenol (Surr)	70		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827262.D
 Lims ID: 480-192275-A-2-A
 Client ID: 828021-GW-11
 Sample Type: Client
 Inject. Date: 30-Nov-2021 21:23:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-020
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 12:08:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.491	6.490	0.001	92	182229	4.00	
* 2 Naphthalene-d8	136	7.578	7.579	-0.001	98	662500	4.00	
* 3 Acenaphthene-d10	164	9.065	9.066	-0.001	92	406331	4.00	
* 4 Phenanthrene-d10	188	10.328	10.329	-0.001	94	738767	4.00	
* 5 Chrysene-d12	240	13.035	13.033	0.002	96	752333	4.00	
* 6 Perylene-d12	264	15.262	15.258	0.004	98	852501	4.00	
\$ 7 2-Fluorophenol	112	5.379	5.361	0.018	89	271717	5.56	
\$ 8 Phenol-d5	99	6.174	6.170	0.004	0	238439	4.24	
\$ 9 Nitrobenzene-d5	82	6.957	6.959	-0.002	86	383883	7.04	
\$ 10 2-Fluorobiphenyl	172	8.469	8.468	0.001	99	1178112	8.55	
\$ 11 2,4,6-Tribromophenol	330	9.732	9.734	-0.002	87	217311	7.32	
\$ 12 p-Terphenyl-d14	244	11.715	11.715	0.000	96	1689553	8.60	
35 Benzaldehyde	77		6.116				ND	
37 Phenol	94		6.181				ND	
39 Bis(2-chloroethyl)ether	93		6.241				ND	
40 2-Chlorophenol	128		6.320				ND	
48 2-Methylphenol	108		6.692				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698				ND	
53 N-Nitrosodi-n-propylamine	70		6.811				ND	
57 4-Methylphenol	108		6.817				ND	
52 Acetophenone	105		6.825				ND	
58 Hexachloroethane	117		6.936				ND	
59 Nitrobenzene	77		6.976				ND	
62 Isophorone	82		7.169				ND	
64 2-Nitrophenol	139		7.248				ND	
66 2,4-Dimethylphenol	107		7.262				ND	
69 Bis(2-chloroethoxy)methane	93		7.328				ND	
72 2,4-Dichlorophenol	162		7.455				ND	
74 Naphthalene	128		7.600				ND	
76 4-Chloroaniline	127		7.626				ND	
79 Hexachlorobutadiene	225		7.691				ND	
84 Caprolactam	113		7.926				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
85 4-Chloro-3-methylphenol	107		8.026				ND	
87 2-Methylnaphthalene	142		8.179				ND	
90 Hexachlorocyclopentadiene	237		8.309				ND	
93 2,4,6-Trichlorophenol	196		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.451				ND	
96 1,1'-Biphenyl	154		8.559				ND	
97 2-Chloronaphthalene	162		8.596				ND	
100 2-Nitroaniline	65		8.667				ND	
105 Dimethyl phthalate	163		8.786				ND	
107 2,6-Dinitrotoluene	165		8.851				ND	
108 Acenaphthylene	152		8.951				ND	
109 3-Nitroaniline	138		9.007				ND	
111 2,4-Dinitrophenol	184		9.093				ND	
110 Acenaphthene	153		9.095				ND	
112 4-Nitrophenol	109		9.141				ND	
114 2,4-Dinitrotoluene	165		9.198				ND	
115 Dibenzofuran	168		9.237				ND	
120 Diethyl phthalate	149	9.366	9.371	-0.005	72	1502	0.0122	
123 4-Chlorophenyl phenyl ether	204		9.498				ND	
126 4-Nitroaniline	138		9.527				ND	
124 Fluorene	166		9.530				ND	
127 4,6-Dinitro-2-methylphenol	198		9.549				ND	
130 N-Nitrosodiphenylamine	169		9.598				ND	
139 4-Bromophenyl phenyl ether	248		9.915				ND	
140 Hexachlorobenzene	284		10.003				ND	
143 Atrazine	200		10.018				ND	
145 Pentachlorophenol	266		10.162				ND	
151 Phenanthrene	178		10.350				ND	
152 Anthracene	178		10.392				ND	
153 Carbazole	167		10.511				ND	
157 Di-n-butyl phthalate	149	10.734	10.736	-0.002	98	8155	0.0391	
164 Fluoranthene	202		11.388				ND	
167 Pyrene	202		11.618				ND	
174 Butyl benzyl phthalate	149	12.203	12.203	0.000	89	8089	0.0852	
181 Bis(2-ethylhexyl) phthalate	149	12.901	12.903	-0.002	91	10325	0.0763	
179 3,3'-Dichlorobenzidine	252		12.940				ND	
180 Benzo[a]anthracene	228		13.020				ND	
182 Chrysene	228		13.071				ND	
184 Di-n-octyl phthalate	149		13.851				ND	
186 Benzo[b]fluoranthene	252		14.637				ND	
187 Benzo[k]fluoranthene	252		14.680				ND	
189 Benzo[a]pyrene	252		15.171				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.092				ND	
194 Dibenz(a,h)anthracene	278		17.097				ND	
195 Benzo[g,h,i]perylene	276		17.631				ND	

QC Flag Legend

Processing Flags

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827262.D

Injection Date: 30-Nov-2021 21:23:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-A-2-A

Lab Sample ID: 480-192275-2

Worklist Smp#: 20

Client ID: 828021-GW-11

Injection Vol: 2.0 ul

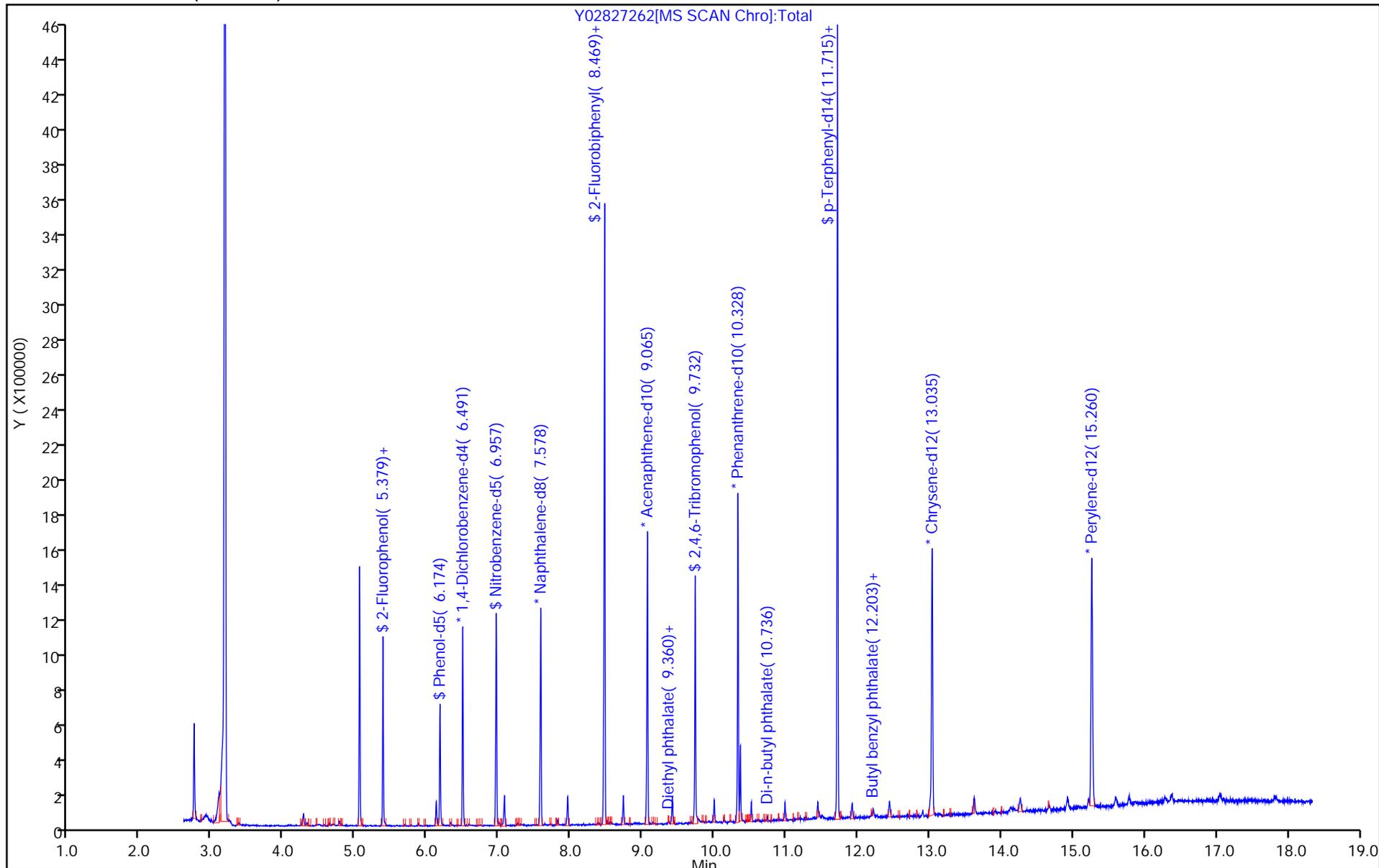
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 Lab Sample ID: 480-192275-3
 Matrix: Water Lab File ID: W10018179.d
 Analysis Method: 8270D Date Collected: 11/11/2021 00:00
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 10:32
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	**	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	**	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	**	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	**	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	**	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND	**	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	**	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	**	5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND	**	10	0.42
88-75-5	2-Nitrophenol	ND	**	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	**	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	**	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	**	5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	**	5.0	0.35
106-44-5	4-Methylphenol	0.40	J	10	0.36
100-01-6	4-Nitroaniline	ND	**	10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND	**	5.0	0.41
208-96-8	Acenaphthylene	ND	**	5.0	0.38
98-86-2	Acetophenone	ND	**	5.0	0.54
120-12-7	Anthracene	ND	**	5.0	0.28
1912-24-9	Atrazine	ND	**	5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 Lab Sample ID: 480-192275-3
 Matrix: Water Lab File ID: W10018179.d
 Analysis Method: 8270D Date Collected: 11/11/2021 00:00
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 10:32
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND	**	5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND	**	10	0.51
84-66-2	Diethyl phthalate	ND	**	5.0	0.22
131-11-3	Dimethyl phthalate	ND	**	5.0	0.36
206-44-0	Fluoranthene	ND	**	5.0	0.40
86-73-7	Fluorene	ND	**	5.0	0.36
118-74-1	Hexachlorobenzene	ND	**	5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND	**	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	**	5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND	**	5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND	**	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND	**	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 Lab Sample ID: 480-192275-3
 Matrix: Water Lab File ID: W10018179.d
 Analysis Method: 8270D Date Collected: 11/11/2021 00:00
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 10:32
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	123	S1+	46-120
4165-62-2	Phenol-d5 (Surr)	72		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	106		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	136	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	133	S1+	48-120
367-12-4	2-Fluorophenol (Surr)	99		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d
 Lims ID: 480-192275-A-3-A
 Client ID: 828021-DUP-11112021
 Sample Type: Client
 Inject. Date: 23-Nov-2021 10:32:30 ALS Bottle#: 46 Worklist Smp#: 18
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-018
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:13:36

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	97	215940	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	100	824831	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	95	464548	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	821803	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	703093	4.00	
* 6 Perylene-d12	264	15.367	15.362	0.005	98	802855	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	94	556849	7.92	
\$ 8 Phenol-d5	99	6.232	6.221	0.011	99	506354	5.73	
\$ 9 Nitrobenzene-d5	82	7.039	7.044	-0.005	89	783072	9.81	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	100	1569356	10.7	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	93	284212	10.9	
\$ 12 p-Terphenyl-d14	244	11.809	11.804	0.005	98	1450205	8.44	
36 Benzaldehyde	77		6.194				ND	
37 Phenol	94		6.232				ND	
40 Bis(2-chloroethyl)ether	93		6.323				ND	
41 2-Chlorophenol	128		6.398				ND	
49 2-Methylphenol	108	6.761	6.755	0.006	88	2640	0.0391	
50 2,2'-oxybis[1-chloropropane]	45		6.782				ND	
56 4-Methylphenol	108	6.884	6.878	0.006	92	7094	0.1011	
55 N-Nitrosodi-n-propylamine	70		6.894				ND	
53 Acetophenone	105		6.905				ND	
59 Hexachloroethane	117		7.023				ND	
61 Nitrobenzene	77		7.060				ND	
63 Isophorone	82		7.252				ND	U
68 2,4-Dimethylphenol	107		7.332				ND	
67 2-Nitrophenol	139		7.332				ND	
71 Bis(2-chloroethoxy)methane	93		7.407				ND	
74 2,4-Dichlorophenol	162		7.530				ND	
76 Naphthalene	128	7.685	7.685	0.000	88	2710	0.0128	
78 4-Chloroaniline	127		7.706				ND	
81 Hexachlorobutadiene	225		7.776				ND	
84 Caprolactam	113		8.000				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107		8.091				ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	87	3357	0.0240	
93 Hexachlorocyclopentadiene	237		8.396				ND	
94 2,4,6-Trichlorophenol	196		8.486				ND	
95 2,4,5-Trichlorophenol	196		8.524				ND	
97 1,1'-Biphenyl	154		8.647				ND	
98 2-Chloronaphthalene	162		8.679				ND	U
100 2-Nitroaniline	65		8.743				ND	
104 Dimethyl phthalate	163		8.866				ND	U
106 2,6-Dinitrotoluene	165		8.930				ND	
107 Acenaphthylene	152		9.037				ND	
108 3-Nitroaniline	138		9.079				ND	
110 2,4-Dinitrophenol	184		9.165				ND	
109 Acenaphthene	153		9.181				ND	
111 4-Nitrophenol	109		9.191				ND	
113 2,4-Dinitrotoluene	165		9.272				ND	
114 Dibenzofuran	168		9.320				ND	
119 Diethyl phthalate	149		9.448				ND	
122 4-Chlorophenyl phenyl ether	204		9.581				ND	
125 4-Nitroaniline	138		9.598				ND	
123 Fluorene	166		9.608				ND	
126 4,6-Dinitro-2-methylphenol	198		9.619				ND	
129 N-Nitrosodiphenylamine	169		9.678				ND	
137 4-Bromophenyl phenyl ether	248		9.998				ND	
138 Hexachlorobenzene	284		10.084				ND	
141 Atrazine	200		10.094				ND	U
143 Pentachlorophenol	266		10.239				ND	
149 Phenanthrene	178	10.426	10.425	0.000	50	3738	0.0171	
150 Anthracene	178		10.468				ND	U
151 Carbazole	167		10.586				ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	97	14674	0.0648	
161 Fluoranthene	202		11.473				ND	
165 Pyrene	202		11.708				ND	
172 Butyl benzyl phthalate	149	12.306	12.301	0.005	86	9748	0.1922	
180 Bis(2-ethylhexyl) phthalate	149	13.017	13.011	0.006	95	19944	0.2747	
177 3,3'-Dichlorobenzidine	252		13.043				ND	
179 Benzo[a]anthracene	228		13.123				ND	
181 Chrysene	228		13.177				ND	
184 Di-n-octyl phthalate	149		13.967				ND	
186 Benzo[b]fluoranthene	252		14.742				ND	
187 Benzo[k]fluoranthene	252		14.785				ND	
189 Benzo[a]pyrene	252		15.276				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.210				ND	
194 Dibenz(a,h)anthracene	278		17.221				ND	7
195 Benzo[g,h,i]perylene	276		17.755				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d

Injection Date: 23-Nov-2021 10:32:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-A-3-A

Lab Sample ID: 480-192275-3

Worklist Smp#: 18

Client ID: 828021-DUP-11112021

Injection Vol: 2.0 ul

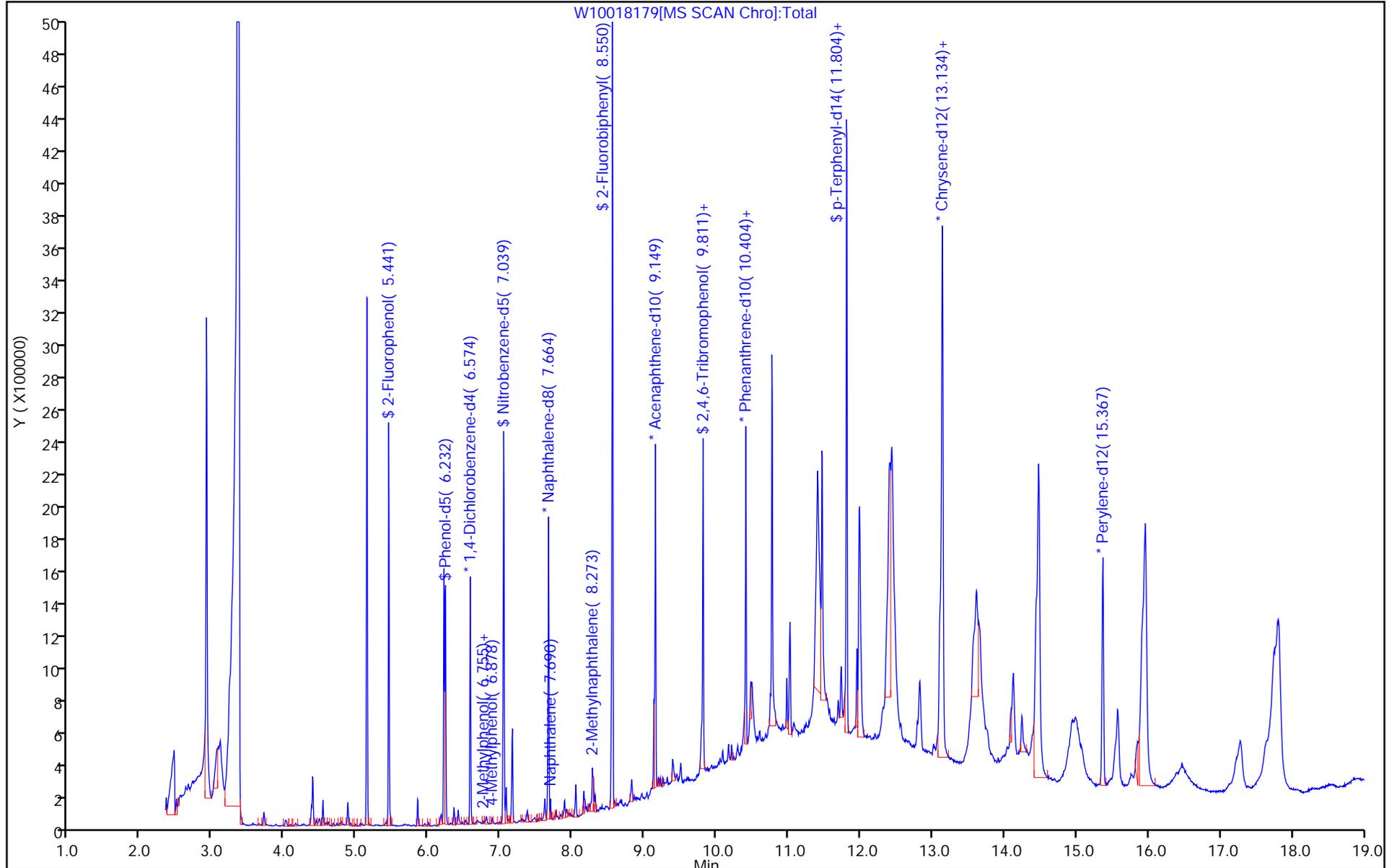
Dil. Factor: 1.0000

ALS Bottle#: 46

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d

Injection Date: 23-Nov-2021 10:32:30

Instrument ID: HP5973W

Lims ID: 480-192275-A-3-A

Lab Sample ID: 480-192275-3

Client ID: 828021-DUP-11112021

Operator ID: PJQ

ALS Bottle#: 46

Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

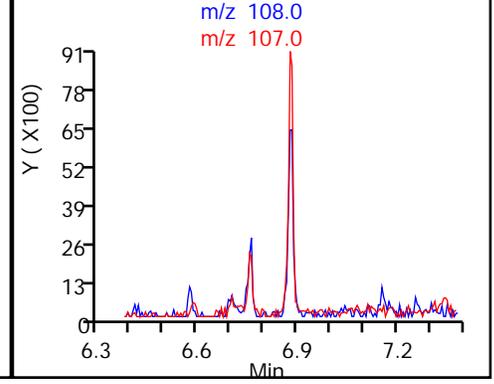
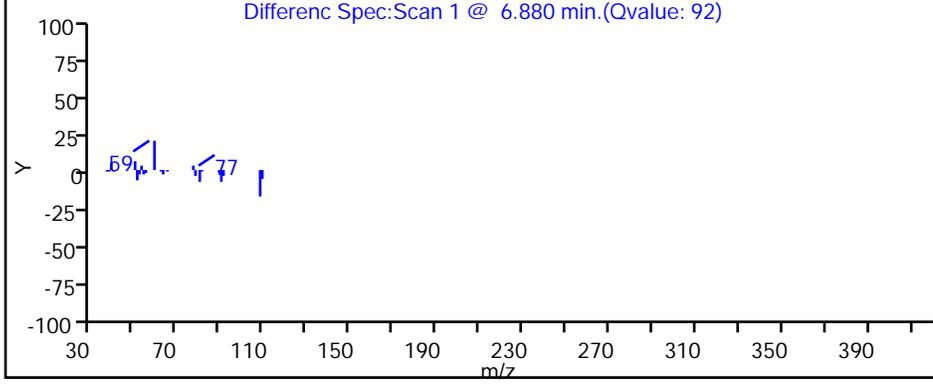
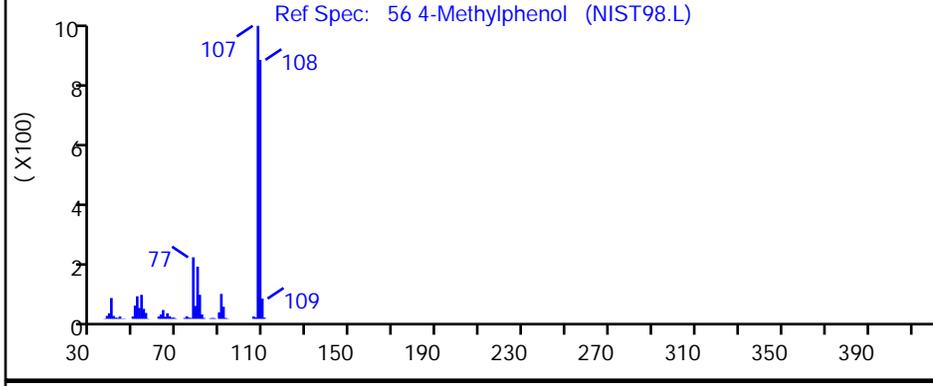
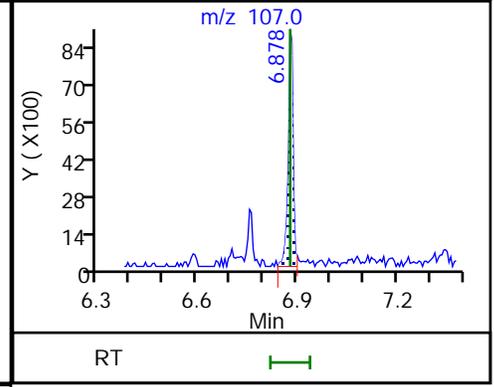
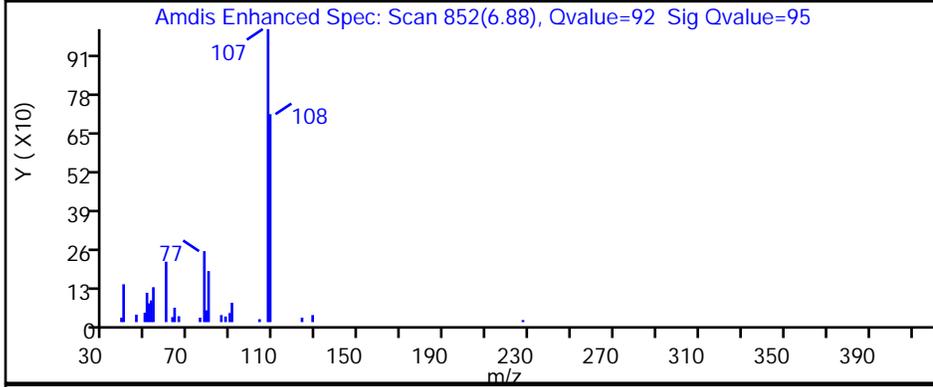
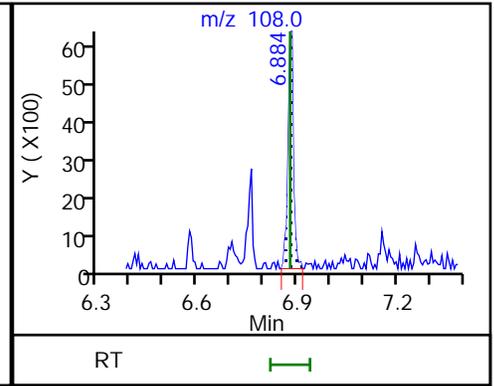
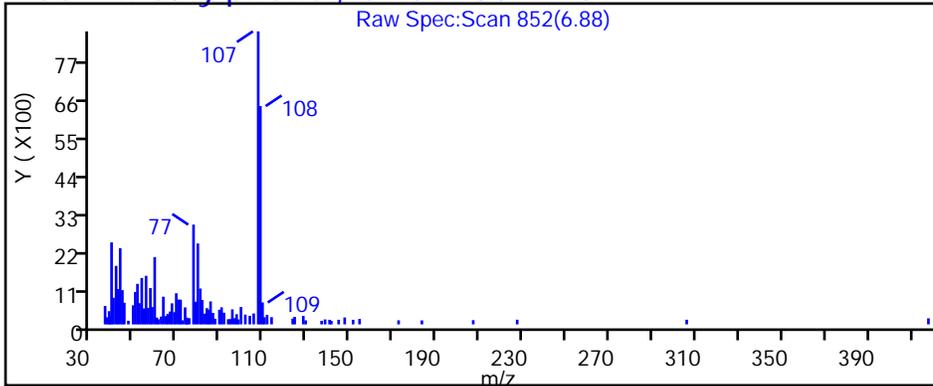
Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

56 4-Methylphenol, CAS: 106-44-5

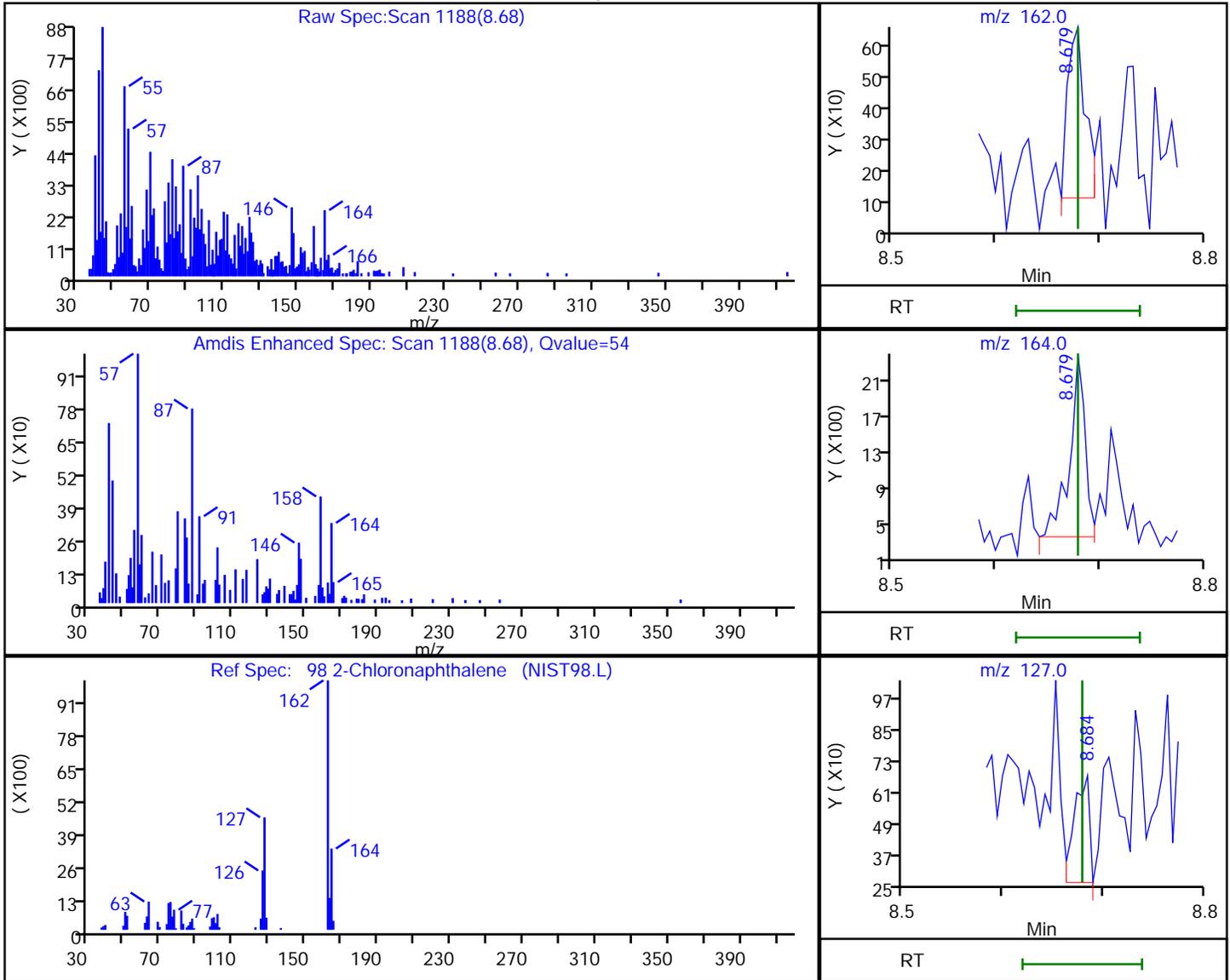


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d
 Injection Date: 23-Nov-2021 10:32:30 Instrument ID: HP5973W
 Lims ID: 480-192275-A-3-A Lab Sample ID: 480-192275-3
 Client ID: 828021-DUP-11112021
 Operator ID: PJO ALS Bottle#: 46 Worklist Smp#: 18
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

98 2-Chloronaphthalene, CAS: 91-58-7

Processing Results



RT	Mass	Response	Amount
8.68	162.00	664	0.005149
8.68	164.00	2016	
8.68	127.00	435	

Reviewer: schickr, 24-Nov-2021 16:13:13
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d

Injection Date: 23-Nov-2021 10:32:30

Instrument ID: HP5973W

Lims ID: 480-192275-A-3-A

Lab Sample ID: 480-192275-3

Client ID: 828021-DUP-11112021

Operator ID: PJO

ALS Bottle#: 46 Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: W-LVI-8270

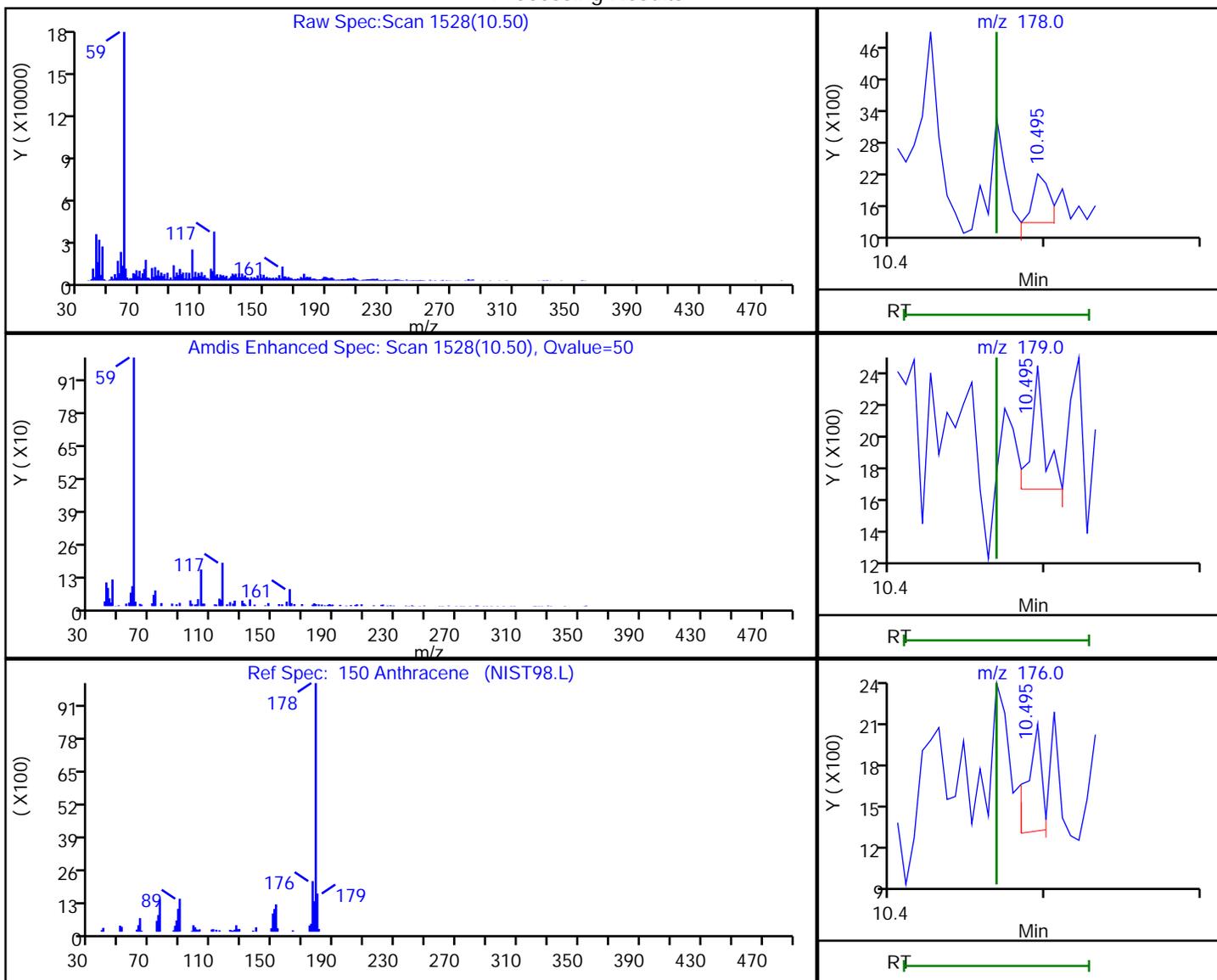
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

150 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
10.50	178.00	680	0.003227
10.50	179.00	445	
10.50	176.00	488	

Reviewer: schickr, 24-Nov-2021 16:13:27

Audit Action: Marked Compound Undetected

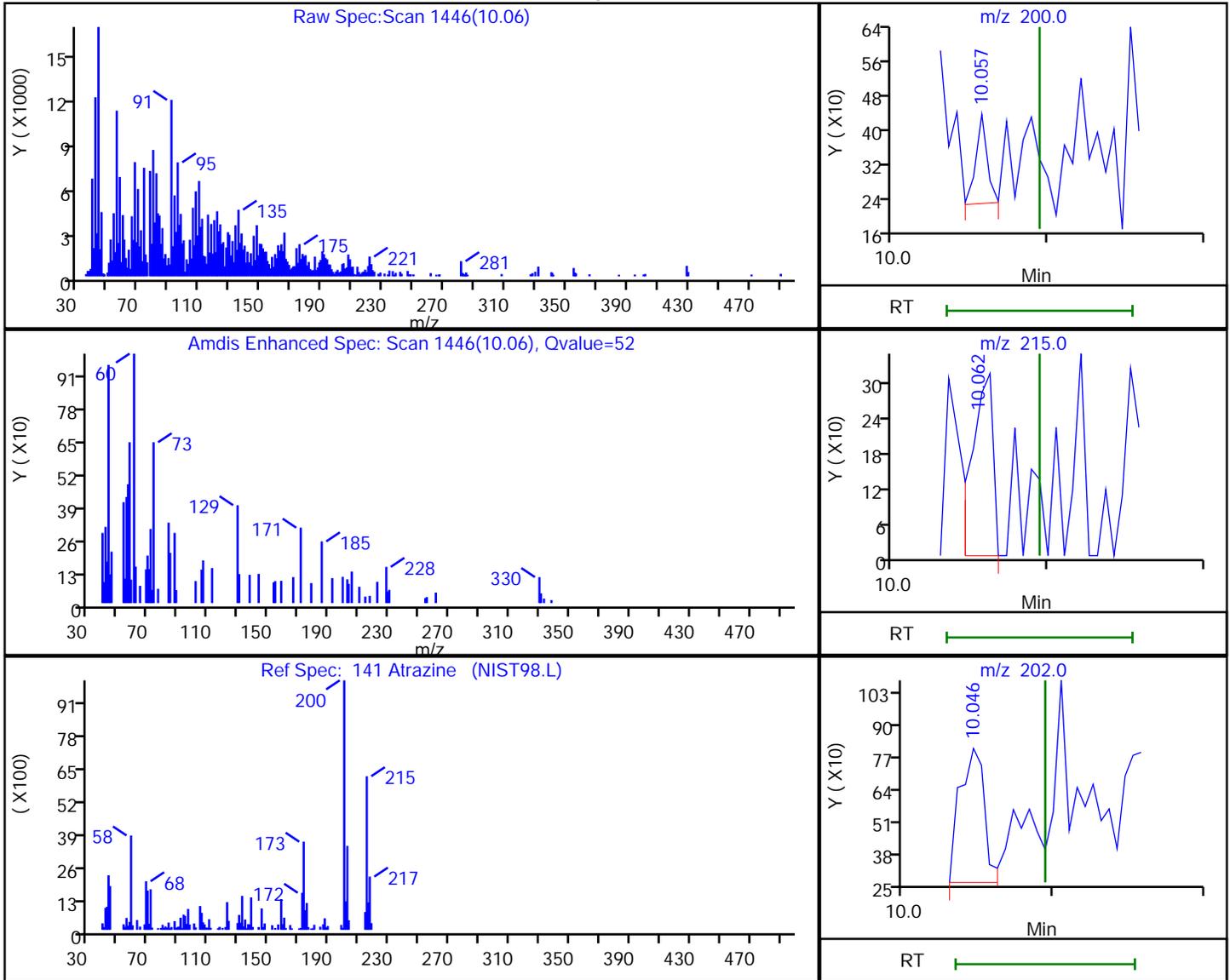
Audit Reason: Invalid Compound ID

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102625.b\W10018179.d
 Injection Date: 23-Nov-2021 10:32:30 Instrument ID: HP5973W
 Lims ID: 480-192275-A-3-A Lab Sample ID: 480-192275-3
 Client ID: 828021-DUP-11112021
 Operator ID: PJO ALS Bottle#: 46 Worklist Smp#: 18
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

141 Atrazine, CAS: 1912-24-9

Processing Results



RT	Mass	Response	Amount
10.06	200.00	108	0.002568
10.06	215.00	290	
10.05	202.00	625	

Reviewer: schickr, 24-Nov-2021 16:13:24

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d

Injection Date: 23-Nov-2021 10:32:30

Instrument ID: HP5973W

Lims ID: 480-192275-A-3-A

Lab Sample ID: 480-192275-3

Client ID: 828021-DUP-11112021

Operator ID: PJO

ALS Bottle#: 46 Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: W-LVI-8270

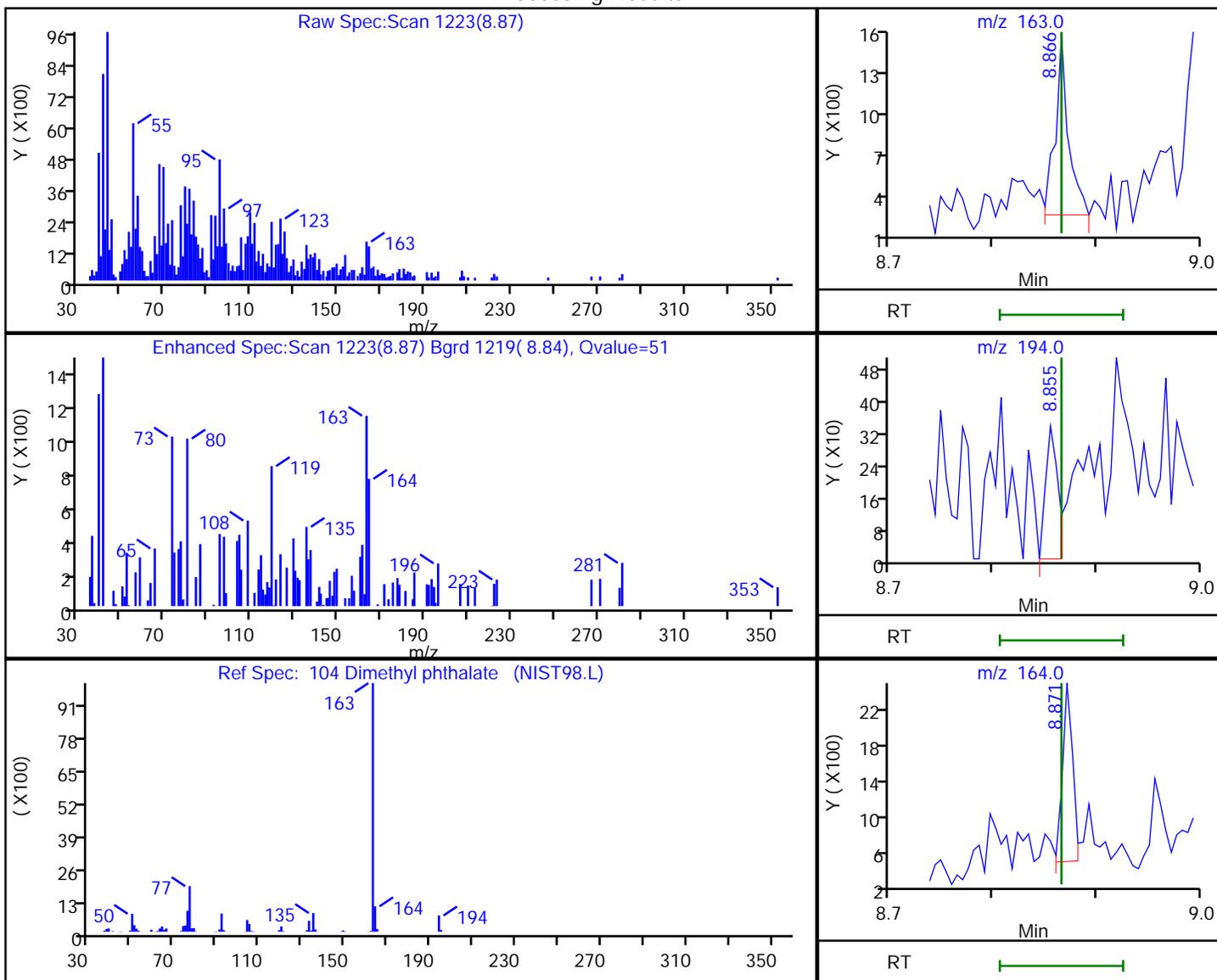
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

104 Dimethyl phthalate, CAS: 131-11-3

Processing Results



RT	Mass	Response	Amount
8.87	163.00	1121	0.008102
8.85	194.00	275	
8.87	164.00	1335	

Reviewer: schickr, 24-Nov-2021 16:13:16

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018179.d

Injection Date: 23-Nov-2021 10:32:30

Instrument ID: HP5973W

Lims ID: 480-192275-A-3-A

Lab Sample ID: 480-192275-3

Client ID: 828021-DUP-11112021

Operator ID: PJO

ALS Bottle#: 46 Worklist Smp#: 18

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: W-LVI-8270

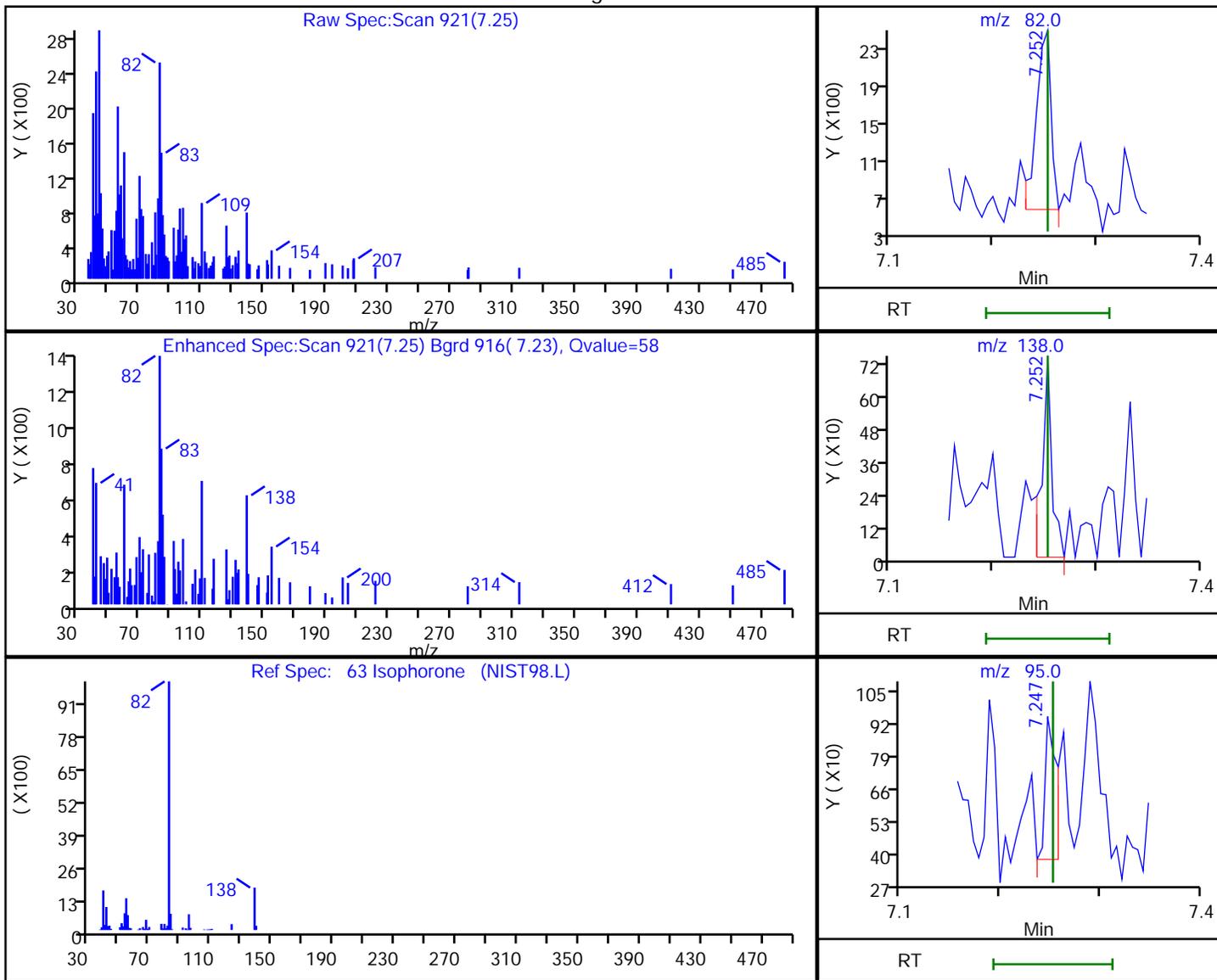
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Isophorone, CAS: 78-59-1

Processing Results



RT	Mass	Response	Amount
7.25	82.00	1881	0.014032
7.25	138.00	495	
7.25	95.00	452	

Reviewer: schickr, 24-Nov-2021 16:13:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 RE Lab Sample ID: 480-192275-3 RE
 Matrix: Water Lab File ID: Y02827263.D
 Analysis Method: 8270D Date Collected: 11/11/2021 00:00
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 21:50
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
95-48-7	2-Methylphenol	ND	H	5.0	0.40
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo[a]anthracene	ND	H	5.0	0.36
50-32-8	Benzo[a]pyrene	ND	H	5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 RE Lab Sample ID: 480-192275-3 RE
 Matrix: Water Lab File ID: Y02827263.D
 Analysis Method: 8270D Date Collected: 11/11/2021 00:00
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 21:50
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	H	5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-DUP-11112021 RE Lab Sample ID: 480-192275-3 RE
 Matrix: Water Lab File ID: Y02827263.D
 Analysis Method: 8270D Date Collected: 11/11/2021 00:00
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 21:50
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	80		46-120
4165-62-2	Phenol-d5 (Surr)	48		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	90		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	122	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	99		48-120
367-12-4	2-Fluorophenol (Surr)	64		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827263.D
 Lims ID: 480-192275-B-3-A
 Client ID: 828021-DUP-11112021
 Sample Type: Client
 Inject. Date: 30-Nov-2021 21:50:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-021
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 12:10:14

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.489	6.490	-0.001	93	187338	4.00	
* 2 Naphthalene-d8	136	7.579	7.579	0.000	98	660442	4.00	
* 3 Acenaphthene-d10	164	9.066	9.066	0.000	92	405128	4.00	
* 4 Phenanthrene-d10	188	10.328	10.329	-0.001	94	752632	4.00	
* 5 Chrysene-d12	240	13.035	13.033	0.002	94	756546	4.00	
* 6 Perylene-d12	264	15.263	15.258	0.005	98	892010	4.00	
\$ 7 2-Fluorophenol	112	5.380	5.361	0.019	88	256523	5.11	
\$ 8 Phenol-d5	99	6.174	6.170	0.004	0	223675	3.87	
\$ 9 Nitrobenzene-d5	82	6.960	6.959	0.001	86	346341	6.37	
\$ 10 2-Fluorobiphenyl	172	8.470	8.468	0.002	98	1085248	7.90	
\$ 11 2,4,6-Tribromophenol	330	9.732	9.734	-0.002	87	295641	9.73	
\$ 12 p-Terphenyl-d14	244	11.716	11.715	0.001	96	1424853	7.22	
35 Benzaldehyde	77		6.116				ND	
37 Phenol	94		6.181				ND	
39 Bis(2-chloroethyl)ether	93		6.241				ND	
40 2-Chlorophenol	128		6.320				ND	
48 2-Methylphenol	108		6.692				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698				ND	
53 N-Nitrosodi-n-propylamine	70		6.811				ND	
57 4-Methylphenol	108		6.817				ND	
52 Acetophenone	105		6.825				ND	
58 Hexachloroethane	117		6.936				ND	
59 Nitrobenzene	77		6.976				ND	
62 Isophorone	82		7.169				ND	
64 2-Nitrophenol	139		7.248				ND	
66 2,4-Dimethylphenol	107		7.262				ND	
69 Bis(2-chloroethoxy)methane	93		7.328				ND	
72 2,4-Dichlorophenol	162		7.455				ND	
74 Naphthalene	128		7.600				ND	
76 4-Chloroaniline	127		7.626				ND	
79 Hexachlorobutadiene	225		7.691				ND	
84 Caprolactam	113		7.926				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
85 4-Chloro-3-methylphenol	107		8.026				ND	
87 2-Methylnaphthalene	142		8.179				ND	
90 Hexachlorocyclopentadiene	237		8.309				ND	
93 2,4,6-Trichlorophenol	196		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.451				ND	
96 1,1'-Biphenyl	154		8.559				ND	
97 2-Chloronaphthalene	162		8.596				ND	
100 2-Nitroaniline	65		8.667				ND	
105 Dimethyl phthalate	163		8.786				ND	
107 2,6-Dinitrotoluene	165		8.851				ND	
108 Acenaphthylene	152		8.951				ND	
109 3-Nitroaniline	138		9.007				ND	
111 2,4-Dinitrophenol	184		9.093				ND	
110 Acenaphthene	153		9.095				ND	
112 4-Nitrophenol	109		9.141				ND	
114 2,4-Dinitrotoluene	165		9.198				ND	
115 Dibenzofuran	168		9.237				ND	
120 Diethyl phthalate	149		9.371				ND	
123 4-Chlorophenyl phenyl ether	204		9.498				ND	
126 4-Nitroaniline	138		9.527				ND	
124 Fluorene	166		9.530				ND	
127 4,6-Dinitro-2-methylphenol	198		9.549				ND	
130 N-Nitrosodiphenylamine	169		9.598				ND	
139 4-Bromophenyl phenyl ether	248		9.915				ND	
140 Hexachlorobenzene	284		10.003				ND	
143 Atrazine	200		10.018				ND	
145 Pentachlorophenol	266		10.162				ND	
151 Phenanthrene	178		10.350				ND	
152 Anthracene	178		10.392				ND	
153 Carbazole	167		10.511				ND	
157 Di-n-butyl phthalate	149	10.737	10.736	0.001	95	8966	0.0422	a
164 Fluoranthene	202		11.388				ND	
167 Pyrene	202		11.618				ND	
174 Butyl benzyl phthalate	149		12.203				ND	
181 Bis(2-ethylhexyl) phthalate	149	12.905	12.903	0.002	84	6706	0.0493	
179 3,3'-Dichlorobenzidine	252		12.940				ND	
180 Benzo[a]anthracene	228		13.020				ND	
182 Chrysene	228		13.071				ND	
184 Di-n-octyl phthalate	149		13.851				ND	
186 Benzo[b]fluoranthene	252		14.637				ND	
187 Benzo[k]fluoranthene	252		14.680				ND	
189 Benzo[a]pyrene	252		15.171				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.092				ND	
194 Dibenz(a,h)anthracene	278		17.097				ND	
195 Benzo[g,h,i]perylene	276		17.631				ND	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827263.D

Injection Date: 30-Nov-2021 21:50:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-B-3-A

Lab Sample ID: 480-192275-3

Worklist Smp#: 21

Client ID: 828021-DUP-11112021

Injection Vol: 2.0 ul

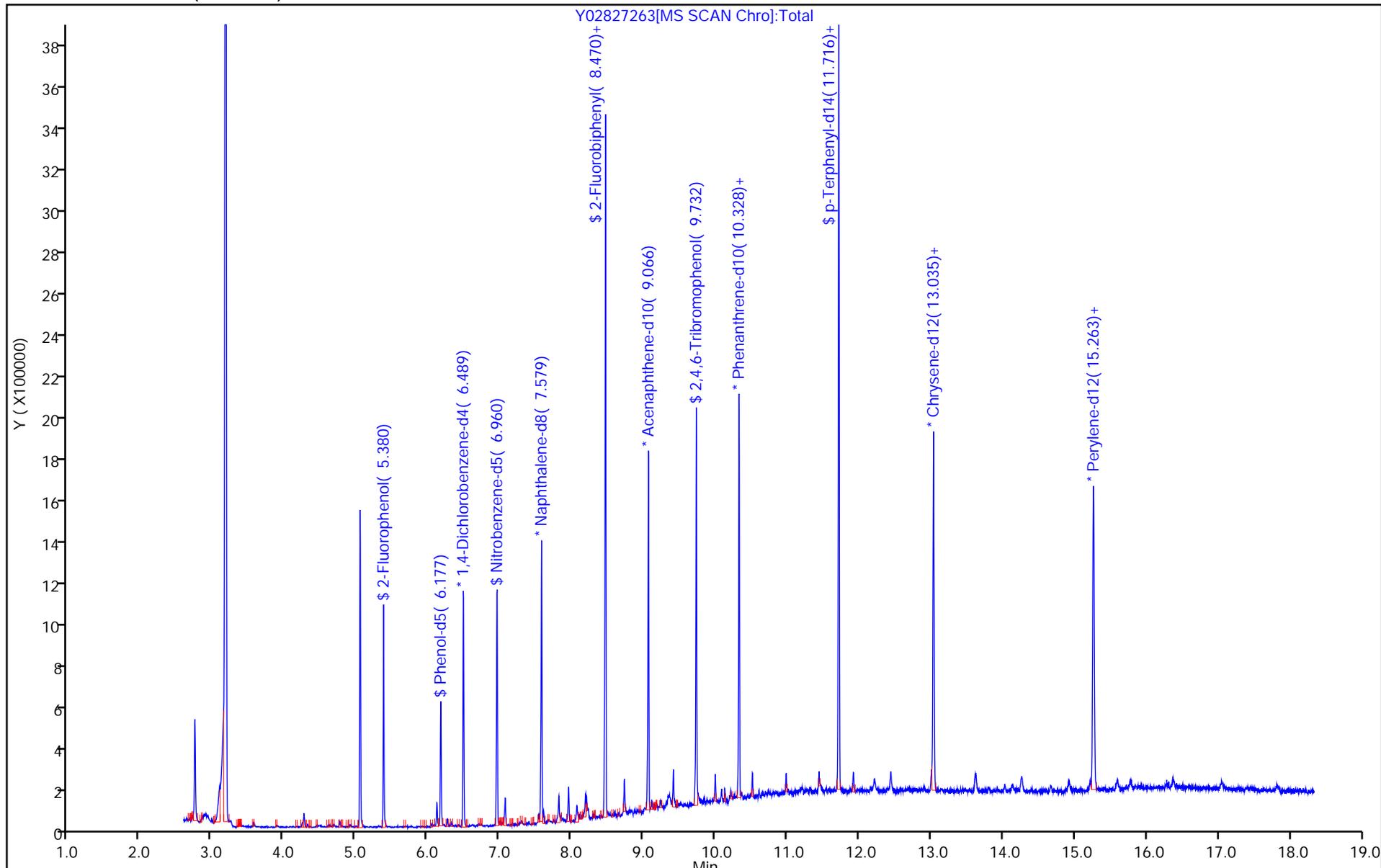
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

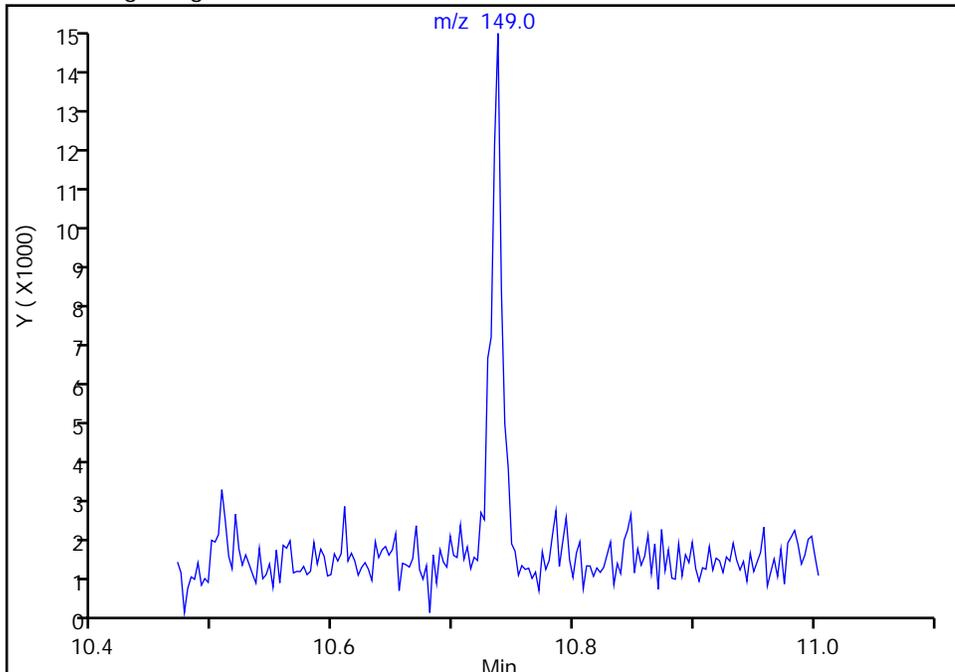
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Injection Date: 30-Nov-2021 21:50:30 Instrument ID: HP5973Y
Lims ID: 480-192275-B-3-A Lab Sample ID: 480-192275-3
Client ID: 828021-DUP-11112021
Operator ID: JM ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

157 Di-n-butyl phthalate, CAS: 84-74-2

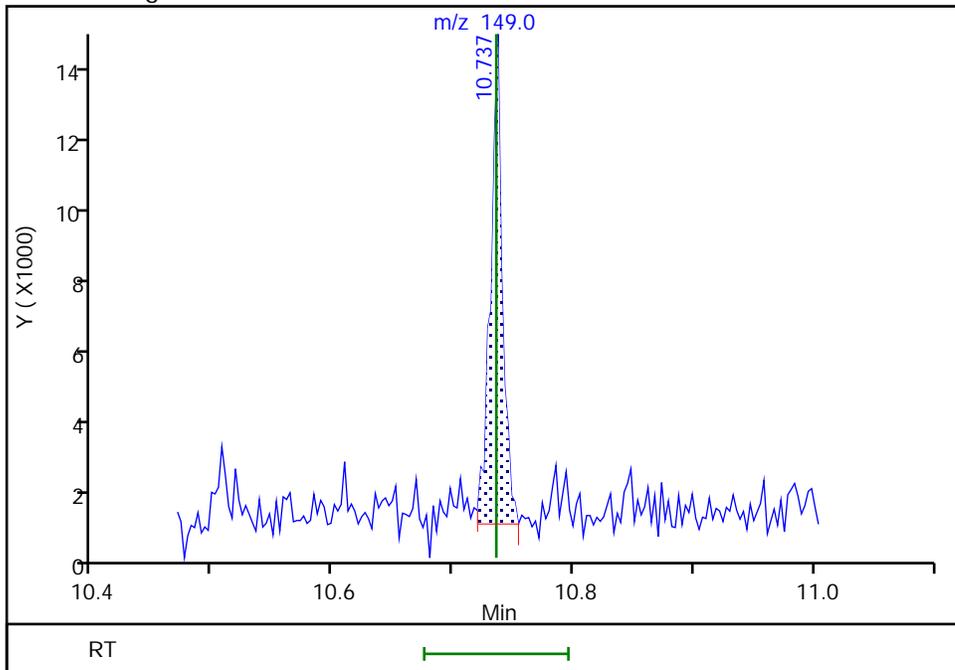
Signal: 1

Not Detected
Expected RT: 10.74

Processing Integration Results



Manual Integration Results



RT: 10.74
Area: 8966
Amount: 0.042226
Amount Units: ng/uL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 Lab Sample ID: 480-192275-4
 Matrix: Water Lab File ID: W10018176.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 09:11
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	**	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	**	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	**	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	**	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	**	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND	**	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	**	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	**	5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND	**	10	0.42
88-75-5	2-Nitrophenol	ND	**	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	**	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	**	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	**	5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	**	5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND	**	10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND	**	5.0	0.41
208-96-8	Acenaphthylene	ND	**	5.0	0.38
98-86-2	Acetophenone	ND	**	5.0	0.54
120-12-7	Anthracene	ND	**	5.0	0.28
1912-24-9	Atrazine	ND	**	5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 Lab Sample ID: 480-192275-4
 Matrix: Water Lab File ID: W10018176.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 09:11
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND	**	5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND	**	10	0.51
84-66-2	Diethyl phthalate	ND	**	5.0	0.22
131-11-3	Dimethyl phthalate	ND	** F1	5.0	0.36
206-44-0	Fluoranthene	ND	**	5.0	0.40
86-73-7	Fluorene	ND	**	5.0	0.36
118-74-1	Hexachlorobenzene	ND	**	5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND	**	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	**	5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND	**	5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND	**	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND	**	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 Lab Sample ID: 480-192275-4
 Matrix: Water Lab File ID: W10018176.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 09:11
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	104		46-120
4165-62-2	Phenol-d5 (Surr)	61		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	104		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	79		41-120
321-60-8	2-Fluorobiphenyl (Surr)	109		48-120
367-12-4	2-Fluorophenol (Surr)	81		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018176.d
 Lims ID: 480-192275-A-4-C
 Client ID: 828021-GW-04
 Sample Type: Client
 Inject. Date: 23-Nov-2021 09:11:30 ALS Bottle#: 43 Worklist Smp#: 15
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-015
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:11:12

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	97	224926	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	100	869402	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	93	494852	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	835115	4.00	
* 5 Chrysene-d12	240	13.134	13.139	-0.005	99	767704	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	811116	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	474337	6.48	
\$ 8 Phenol-d5	99	6.226	6.221	0.005	99	445383	4.84	
\$ 9 Nitrobenzene-d5	82	7.038	7.044	-0.006	89	700280	8.32	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	100	1370564	8.75	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	94	166185	6.30	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1559759	8.31	
36 Benzaldehyde	77		6.194				ND	
37 Phenol	94		6.232				ND	
40 Bis(2-chloroethyl)ether	93		6.323				ND	
41 2-Chlorophenol	128		6.398				ND	
49 2-Methylphenol	108		6.755				ND	
50 2,2'-oxybis[1-chloropropane]	45		6.782				ND	
56 4-Methylphenol	108		6.878				ND	
55 N-Nitrosodi-n-propylamine	70		6.894				ND	
53 Acetophenone	105		6.905				ND	
59 Hexachloroethane	117		7.023				ND	
61 Nitrobenzene	77		7.060				ND	
63 Isophorone	82		7.252				ND	
68 2,4-Dimethylphenol	107		7.332				ND	
67 2-Nitrophenol	139		7.332				ND	
71 Bis(2-chloroethoxy)methane	93		7.407				ND	
74 2,4-Dichlorophenol	162		7.530				ND	
76 Naphthalene	128	7.680	7.685	-0.005	91	5477	0.0246	
78 4-Chloroaniline	127		7.706				ND	
81 Hexachlorobutadiene	225		7.776				ND	
84 Caprolactam	113		8.000				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107		8.091				ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	93	3317	0.0225	
93 Hexachlorocyclopentadiene	237		8.396				ND	
94 2,4,6-Trichlorophenol	196		8.486				ND	
95 2,4,5-Trichlorophenol	196		8.524				ND	
97 1,1'-Biphenyl	154		8.647				ND	
98 2-Chloronaphthalene	162		8.679				ND	
100 2-Nitroaniline	65		8.743				ND	
104 Dimethyl phthalate	163		8.866				ND	
106 2,6-Dinitrotoluene	165		8.930				ND	U
107 Acenaphthylene	152		9.037				ND	
108 3-Nitroaniline	138		9.079				ND	
110 2,4-Dinitrophenol	184		9.165				ND	
109 Acenaphthene	153		9.181				ND	
111 4-Nitrophenol	109		9.191				ND	
113 2,4-Dinitrotoluene	165		9.272				ND	
114 Dibenzofuran	168		9.320				ND	
119 Diethyl phthalate	149		9.448				ND	
122 4-Chlorophenyl phenyl ether	204		9.581				ND	
125 4-Nitroaniline	138		9.598				ND	
123 Fluorene	166		9.608				ND	
126 4,6-Dinitro-2-methylphenol	198		9.619				ND	
129 N-Nitrosodiphenylamine	169		9.678				ND	
137 4-Bromophenyl phenyl ether	248		9.998				ND	
138 Hexachlorobenzene	284		10.084				ND	
141 Atrazine	200		10.094				ND	
143 Pentachlorophenol	266		10.239				ND	
149 Phenanthrene	178		10.426				ND	U
150 Anthracene	178		10.468				ND	
151 Carbazole	167		10.586				ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	99	15448	0.0671	
161 Fluoranthene	202		11.473				ND	
165 Pyrene	202		11.708				ND	
172 Butyl benzyl phthalate	149	12.301	12.301	0.000	94	5906	0.1500	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	96	16936	0.2448	
177 3,3'-Dichlorobenzidine	252		13.043				ND	
179 Benzo[a]anthracene	228		13.123				ND	
181 Chrysene	228		13.177				ND	
184 Di-n-octyl phthalate	149		13.967				ND	
186 Benzo[b]fluoranthene	252		14.742				ND	
187 Benzo[k]fluoranthene	252		14.785				ND	
189 Benzo[a]pyrene	252		15.276				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.210				ND	
194 Dibenz(a,h)anthracene	278		17.221				ND	
195 Benzo[g,h,i]perylene	276		17.755				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018176.d

Injection Date: 23-Nov-2021 09:11:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-A-4-C

Lab Sample ID: 480-192275-4

Worklist Smp#: 15

Client ID: 828021-GW-04

Injection Vol: 2.0 ul

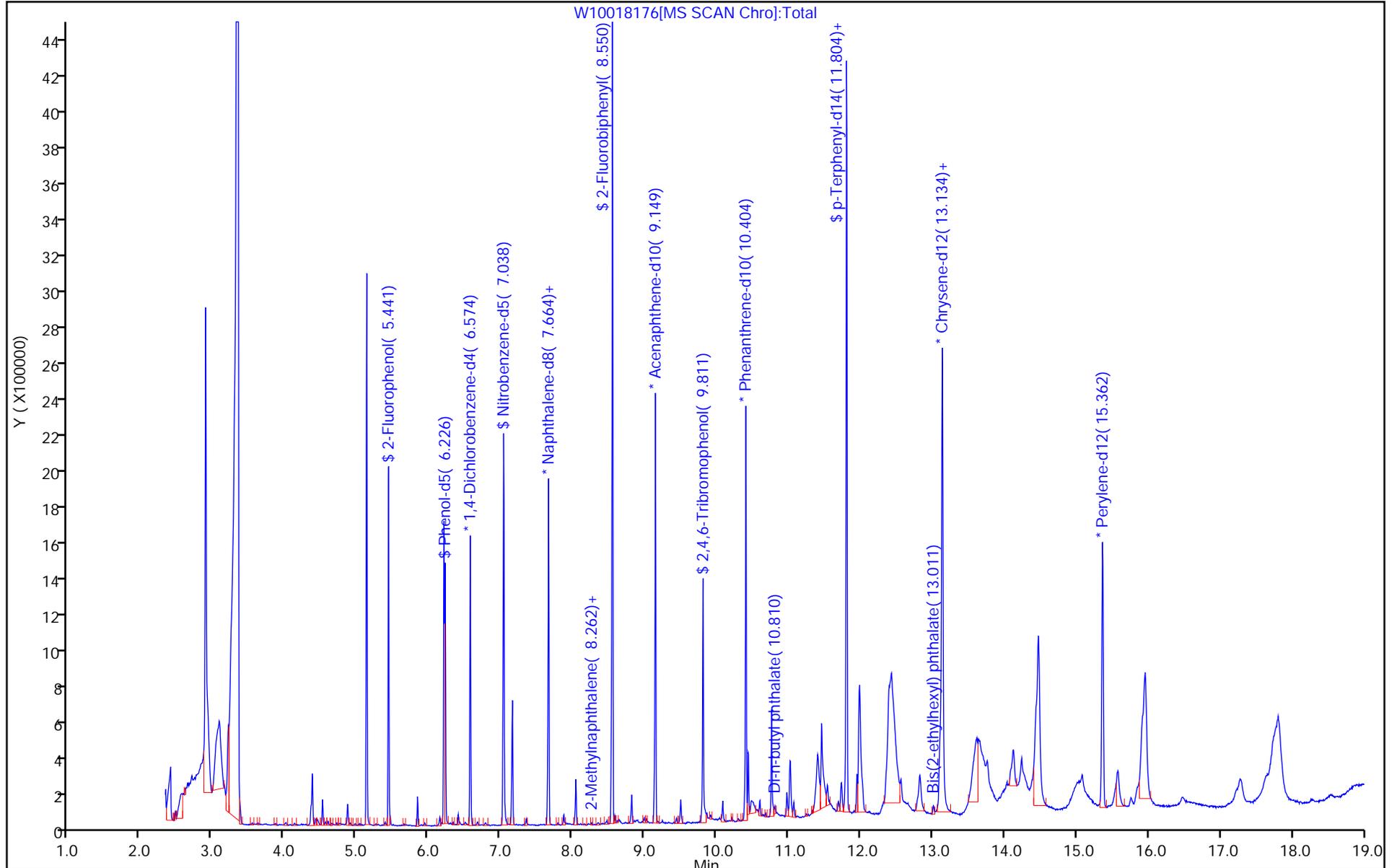
Dil. Factor: 1.0000

ALS Bottle#: 43

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

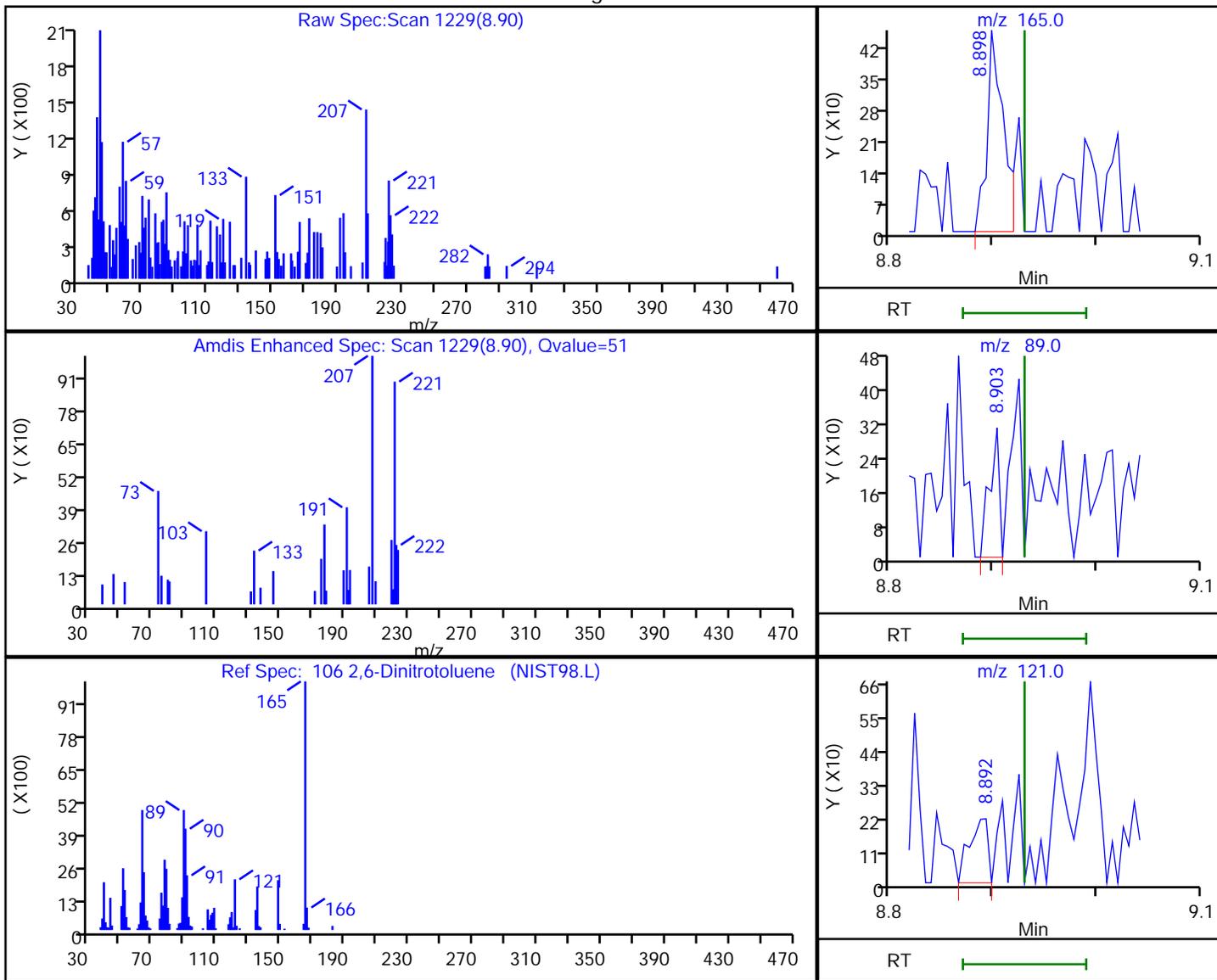


Eurofins TestAmerica, Buffalo

Data File: \\chromfms\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018176.d
 Injection Date: 23-Nov-2021 09:11:30 Instrument ID: HP5973W
 Lims ID: 480-192275-A-4-C Lab Sample ID: 480-192275-4
 Client ID: 828021-GW-04
 Operator ID: PJO ALS Bottle#: 43 Worklist Smp#: 15
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

106 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
8.90	165.00	502	0.157099
8.90	89.00	201	
8.89	121.00	261	

Reviewer: schickr, 24-Nov-2021 16:10:57

Audit Action: Marked Compound Undetected

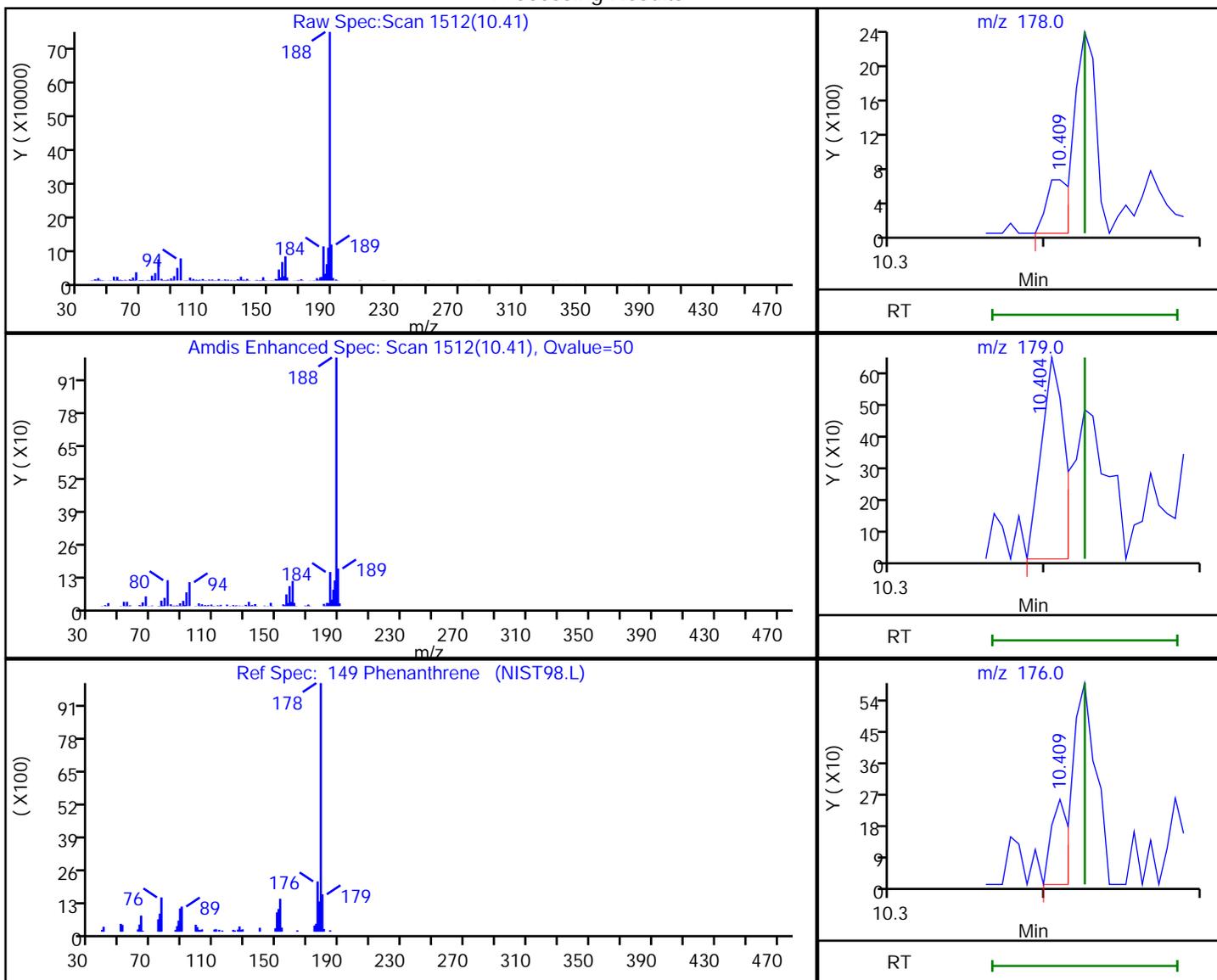
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018176.d
 Injection Date: 23-Nov-2021 09:11:30 Instrument ID: HP5973W
 Lims ID: 480-192275-A-4-C Lab Sample ID: 480-192275-4
 Client ID: 828021-GW-04
 Operator ID: PJO ALS Bottle#: 43 Worklist Smp#: 15
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

149 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.41	178.00	653	0.002938
10.40	179.00	664	
10.41	176.00	187	

Reviewer: schickr, 24-Nov-2021 16:11:05

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 RE Lab Sample ID: 480-192275-4 RE
 Matrix: Water Lab File ID: Y02827260.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:29
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
95-48-7	2-Methylphenol	ND	H	5.0	0.40
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo[a]anthracene	ND	H	5.0	0.36
50-32-8	Benzo[a]pyrene	ND	H	5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 RE Lab Sample ID: 480-192275-4 RE
 Matrix: Water Lab File ID: Y02827260.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:29
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	H	5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 RE Lab Sample ID: 480-192275-4 RE
 Matrix: Water Lab File ID: Y02827260.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:29
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	89		46-120
4165-62-2	Phenol-d5 (Surr)	52		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	98		41-120
321-60-8	2-Fluorobiphenyl (Surr)	106		48-120
367-12-4	2-Fluorophenol (Surr)	68		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827260.D
 Lims ID: 480-192275-B-4-C
 Client ID: 828021-GW-04
 Sample Type: Client
 Inject. Date: 30-Nov-2021 20:29:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-018
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 12:04:23

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.490	6.490	0.000	92	190362	4.00	
* 2 Naphthalene-d8	136	7.579	7.579	0.000	98	671205	4.00	
* 3 Acenaphthene-d10	164	9.066	9.066	0.000	91	420467	4.00	
* 4 Phenanthrene-d10	188	10.326	10.329	-0.003	94	748455	4.00	
* 5 Chrysene-d12	240	13.030	13.033	-0.003	98	766772	4.00	
* 6 Perylene-d12	264	15.258	15.258	0.000	99	884498	4.00	
\$ 7 2-Fluorophenol	112	5.377	5.361	0.016	88	278430	5.46	
\$ 8 Phenol-d5	99	6.172	6.170	0.002	0	245829	4.18	
\$ 9 Nitrobenzene-d5	82	6.958	6.959	-0.001	85	395539	7.15	
\$ 10 2-Fluorobiphenyl	172	8.468	8.468	0.000	99	1208205	8.48	
\$ 11 2,4,6-Tribromophenol	330	9.730	9.734	-0.004	87	235925	7.83	
\$ 12 p-Terphenyl-d14	244	11.714	11.715	-0.001	96	1630643	8.15	
237 Lidocaine	1		0.195				ND	
13 1,4-Dioxane	88		3.497				ND	
14 N-Nitrosodimethylamine	42		3.914				ND	
15 Pyridine	52		3.959				ND	
18 1-Methylcyclopentanol	71		4.617				ND	
19 2-Picoline	93		4.784				ND	
20 N-Nitrosomethylethylamine	88		4.892				ND	
21 2-Chlorobenzotrifluoride	180		5.167				ND	
24 Acrylamide	71		5.173				ND	
22 Methyl methanesulfonate	80		5.179				ND	
23 4-Chlorobenzotrifluoride	180		5.237				ND	
25 n,n'-Dimethylacetamide	87		5.306				ND	
26 4-Chloropyridine	78		5.475				ND	
196 CBF-400	214		5.530				ND	
28 N-Nitrosodiethylamine	102		5.547				ND	
27 3-Chloropyridine	78		5.564				ND	
29 3-Chlorobenzotrifluoride	180		5.637				ND	
30 Ethyl methanesulfonate	79		5.803				ND	
31 2-Chloropyridine	78		5.922				ND	
257 CBF-500	161		5.944				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081				ND	
33 3-Chlorotoluene	91		6.102				ND	
35 Benzaldehyde	77		6.116				ND	
34 4-Chlorotoluene	91		6.134				ND	
37 Phenol	94		6.181				ND	
36 Aniline	93		6.210				ND	
39 Bis(2-chloroethyl)ether	93		6.241				ND	
38 Pentachloroethane	167		6.251				ND	
40 2-Chlorophenol	128		6.320				ND	
41 n-Decane	57	6.325	6.320	0.005	89	3138	0.0797	
42 p-Fluoroaniline	111		6.408				ND	
43 1,3-Dichlorobenzene	146		6.445				ND	
44 1,4-Dichlorobenzene	146		6.505				ND	
45 Benzyl alcohol	108		6.601				ND	
46 1,2-Dichlorobenzene	146		6.641				ND	
48 2-Methylphenol	108		6.692				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698				ND	
47 Indene	115		6.718				ND	
50 N-Nitrosopyrrolidine	100		6.799				ND	
53 N-Nitrosodi-n-propylamine	70		6.811				ND	
57 4-Methylphenol	108		6.817				ND	
52 Acetophenone	105		6.825				ND	
54 N-Nitrosomorpholine	56		6.827				ND	
51 N-Methylaniline	106		6.855				ND	
56 2-Toluidine	106		6.856				ND	
55 4-Methylbenzenamine	106		6.859				ND	
58 Hexachloroethane	117		6.936				ND	
59 Nitrobenzene	77		6.976				ND	
60 2,6-Dichloropyridine	112		7.071				ND	
61 N-Nitrosopiperidine	114		7.100				ND	
62 Isophorone	82		7.169				ND	
63 2-Chloroaniline	127		7.214				ND	
64 2-Nitrophenol	139		7.248				ND	
66 2,4-Dimethylphenol	107		7.262				ND	
65 Benzeneacetonitrile	117		7.282				ND	
68 o,o',o"-Triethylphosphorothioat	198		7.293				ND	
67 Tetraethyl lead	237		7.302				ND	
69 Bis(2-chloroethoxy)methane	93		7.328				ND	
70 Benzoic acid	105		7.364				ND	
282 2,4-Dichlorotoluene	125		7.383				ND	
287 1,3,5-Trichlorobenzene	180		7.416				ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.423				ND	
72 2,4-Dichlorophenol	162		7.455				ND	
73 1,2,4-Trichlorobenzene	180		7.523				ND	
75 Alpha-Terpineol	59		7.574				ND	
74 Naphthalene	128		7.600				ND	
76 4-Chloroaniline	127		7.626				ND	
77 2,6-Dichlorophenol	162		7.640				ND	
78 Hexachloropropene	213		7.670				ND	
79 Hexachlorobutadiene	225		7.691				ND	
286 4-Chlorophenol	128		7.691				ND	
80 Benzeneacetic acid (TIC)	91		7.827				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.874				ND	
82 N-Nitrosodi-n-butylamine	84		7.883				ND	
83 p-Phenylene diamine	108		7.917				ND	
84 Caprolactam	113		7.926				ND	
85 4-Chloro-3-methylphenol	107		8.026				ND	
86 Safrole, Total	162		8.079				ND	
87 2-Methylnaphthalene	142		8.179				ND	
88 Phthalic anhydride	104		8.213				ND	
89 1-Methylnaphthalene	142		8.264				ND	U
281 2,4,5-Trichlorotoluene	159		8.296				ND	
90 Hexachlorocyclopentadiene	237		8.309				ND	
198 NVF-400	82		8.311				ND	
258 CU-600	58	8.317	8.316	0.001	0	99	0.000590	
91 1,2,4,5-Tetrachlorobenzene	216		8.321				ND	
275 Isosafrole Peak 1	162		8.325				ND	
284 2,3-Dichlorobenzamine	161	8.459	8.412	0.047	15	129	NC	
93 2,4,6-Trichlorophenol	196		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.451				ND	
95 Isosafrole	162		8.516				ND	U
277 Isosafrole Peak 2	162		8.516				ND	U
96 1,1'-Biphenyl	154		8.559				ND	
97 2-Chloronaphthalene	162		8.596				ND	
99 1-Chloronaphthalene	162		8.618				ND	U
100 2-Nitroaniline	65		8.667				ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730				ND	
103 Dicyclohexylamine	138		8.732				ND	
102 1,4-Naphthoquinone	158		8.734				ND	
104 1,4-Dinitrobenzene	168		8.765				ND	
105 Dimethyl phthalate	163		8.786				ND	
106 1,3-Dinitrobenzene	168		8.832				ND	
107 2,6-Dinitrotoluene	165		8.851				ND	
108 Acenaphthylene	152		8.951				ND	
109 3-Nitroaniline	138		9.007				ND	
111 2,4-Dinitrophenol	184		9.093				ND	
110 Acenaphthene	153		9.095				ND	
112 4-Nitrophenol	109		9.141				ND	
114 2,4-Dinitrotoluene	165		9.198				ND	
113 Pentachlorobenzene	250		9.208				ND	
115 Dibenzofuran	168		9.237				ND	
116 1-Naphthylamine	143		9.302				ND	
117 2,3,5,6-Tetrachlorophenol	232		9.302				ND	
118 2,3,4,6-Tetrachlorophenol	232		9.337				ND	
121 Hexadecane	57		9.362				ND	U
119 2-Naphthylamine	143		9.364				ND	
120 Diethyl phthalate	149		9.371				ND	
122 Thionazin	97		9.443				ND	
123 4-Chlorophenyl phenyl ether	204		9.498				ND	
125 N-Nitro-o-toluidine	152		9.520				ND	
128 Tributyl phosphate	99		9.521				ND	
126 4-Nitroaniline	138		9.527				ND	
124 Fluorene	166		9.530				ND	
127 4,6-Dinitro-2-methylphenol	198		9.549				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.598				ND	
129 Diphenylamine	169		9.598				ND	
131 1,2-Diphenylhydrazine	77		9.637				ND	
132 Azobenzene	77		9.637				ND	
134 Sulfotepp	322		9.687				ND	
135 1,3,5-Trinitrobenzene	213		9.801				ND	
278 Diallylate Peak 1	86		9.824				ND	
136 Diallylate	86		9.824				ND	
138 Phenacetin	108		9.832				ND	
137 Phorate	75		9.832				ND	
280 Diallylate Peak 2	86		9.903				ND	
139 4-Bromophenyl phenyl ether	248		9.915				ND	
141 Dimethoate	87		9.985				ND	
142 Simazine	201		9.992				ND	
140 Hexachlorobenzene	284		10.003				ND	
143 Atrazine	200		10.018				ND	
148 n-Octadecane	57		10.131				ND	
144 4-Aminobiphenyl	169		10.139				ND	
147 Pronamide	173		10.156				ND	
145 Pentachlorophenol	266		10.162				ND	
146 Pentachloronitrobenzene	237		10.170				ND	
149 Disulfoton	88		10.269				ND	
150 Dinoseb	211		10.281				ND	
151 Phenanthrene	178		10.350				ND	
152 Anthracene	178		10.392				ND	
153 Carbazole	167		10.511				ND	
154 Alachlor	160		10.591				ND	U
155 Methyl parathion	109		10.598				ND	
157 Di-n-butyl phthalate	149	10.735	10.736	-0.001	99	9230	0.0437	
288 2-Methylantracene	192	10.840	10.882	-0.045	1	72	NC	
158 Ethyl Parathion	97		10.913				ND	
159 4-Nitroquinoline-1-oxide	190		10.990				ND	
161 Methapyrilene	58		11.013				ND	
160 Anthraquinone	180		11.019				ND	
162 Isodrin	193		11.245				ND	
164 Fluoranthene	202		11.388				ND	
165 1-Hydroxyanthraquinone	224		11.414				ND	
166 Benzidine	184		11.473				ND	
167 Pyrene	202		11.618				ND	
276 Aramite Peak 1	185		11.640				ND	U
168 Aramite, Total	185		11.716				ND	
279 Aramite Peak 2	185		11.716				ND	U
241 5-Methyl-o-Anisidine	122		11.753				ND	
170 p-Dimethylamino azobenzene	120		11.855				ND	
171 Chlorobenzilate	251		11.884				ND	
169 1,4-Dihydroxyanthraquinone	240		11.888				ND	
172 Famphur	218		12.157				ND	
175 9-Octadecenamamide	59		12.188				ND	
174 Butyl benzyl phthalate	149	12.205	12.203	0.002	92	8210	0.0848	
173 3,3'-Dimethylbenzidine	212		12.230				ND	
176 Kepone	272		12.356				ND	
177 2-Acetylaminofluorene	181		12.553				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.906	12.903	0.003	87	8885	0.0644	M
178 4,4'-Methylene bis(2-chloroani	231		12.922				ND	U
179 3,3'-Dichlorobenzidine	252		12.940				ND	
180 Benzo[a]anthracene	228		13.020				ND	
182 Chrysene	228		13.071				ND	
183 6-Methylchrysene	242		13.714				ND	U
184 Di-n-octyl phthalate	149		13.851				ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.602				ND	
186 Benzo[b]fluoranthene	252		14.637				ND	
187 Benzo[k]fluoranthene	252		14.680				ND	
192 Hexachlorophene	196		14.981				ND	
189 Benzo[a]pyrene	252		15.171				ND	
283 Benzo[e]pyrene	252	15.329	15.339	-0.006	1	123	NC	
190 3-Methylcholanthrene	268		15.712				ND	
191 Dibenz[a,h]acridine	279		16.631				ND	U
193 Indeno[1,2,3-cd]pyrene	276		17.092				ND	
194 Dibenz(a,h)anthracene	278		17.097				ND	
195 Benzo[g,h,i]perylene	276		17.631				ND	
199 CAG-800	149		19.675				ND	
256 CN-500	112		19.994				ND	
197 Dibenzo[a,e]pyrene	302		22.440				ND	
295 4-Bromofluorobenzene TIC	1		0.000				ND	
298 2-Bromopyridine TIC	1		0.000				ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000				ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000				ND	
303 Carbofuran	1		0.000				ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000				ND	
294 3'-Bromoacetophenone TIC	1		0.000				ND	
302 1-Bromo-2-chloroethane TIC	1		0.000				ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000				ND	
290 1,3-Dibromobenzene TIC	1		0.000				ND	
297 Fluorobenzene TIC	1		0.000				ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000				ND	
291 1,4-Dibromobenzene TIC	1		0.000				ND	
292 Ethylene Dibromide TIC	1		0.000				ND	
205 Phenylmercaptan	110		0.195				ND	
230 2,3-Dichlorophenol	1		0.195				ND	
247 Benefin (TIC)	1		0.195				ND	
224 1-Bromopropane	1		0.195				ND	
238 Phenylacetic Acid	1		0.195				ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195				ND	
215 trans Azobenzene (TIC)	1		0.195				ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195				ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195				ND	
225 Dibenz(a,i)pyrene	1		0.195				ND	
227 Dibenz[a,j]acridine	279		0.195				ND	
211 Pendimethalin (TIC)	1		0.195				ND	
219 Photomirex TIC	1		0.195				ND	
204 2,6-Dichlorotoluene TIC	1		0.195				ND	
240 Prometryn (TIC)	1		0.195				ND	
210 Dibenzo[a,h]pyrene	1		0.195				ND	
206 2,4-Toluene diamine	1		0.195				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
218 3-Chlorobenzotrifluoride TIC	1		0.195				ND	
212 Hexamethyldisiloxane TIC	1		0.195				ND	
244 Pendimethalin	1		0.195				ND	
220 Tetramethyl lead TIC	1		0.195				ND	
254 4,4'-DDD	235		12.006				ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195				ND	
S 261 Total Cresols	1		0.195				ND	
S 260 Chlorotoluene N.O.S	1		0.195				ND	
S 263 3-Methylphenol	1		0.195				ND	
S 262 3 & 4 Methylphenol	108		0.195				ND	
S 264 EPH Adjustment 1	1		0.195				ND	
T 243 2,4-Xylidine TIC	121		0.195				ND	
T 226 Tris(2,3-dibromopropyl)phosphate	201		0.195				ND	
T 242 1,3-phenylenediamine TIC	108		0.195				ND	
T 231 1-Methylnaphthalene (TIC)	142	8.266	8.254	0.012	11	1006	0.005995	
T 305 5-Methyl-o-Anisidine TIC	122	8.468	8.500	-0.033	27	4542	0.0271	
T 306 o-Anisidine TIC	80	8.468	8.503	-0.036	26	3006	0.0179	
T 304 2-Ethoxyethanol TIC	59	8.468	8.543	-0.075	27	676	0.004029	
T 156 2,3,7,8-TCDD	322		12.718				ND	
T 274 2-Aminopyridine TIC	99	14.665	13.163	1.501	1	604	0.0127	
T 213 4,4'-Methylene bis(2-chloroaniline)	231	15.913	15.439	0.473	1	225	0.001341	
T 289 2,3,7,8-TCDD TIC	322		0.000				ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827260.D

Injection Date: 30-Nov-2021 20:29:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-B-4-C

Lab Sample ID: 480-192275-4

Worklist Smp#: 18

Client ID: 828021-GW-04

Injection Vol: 2.0 ul

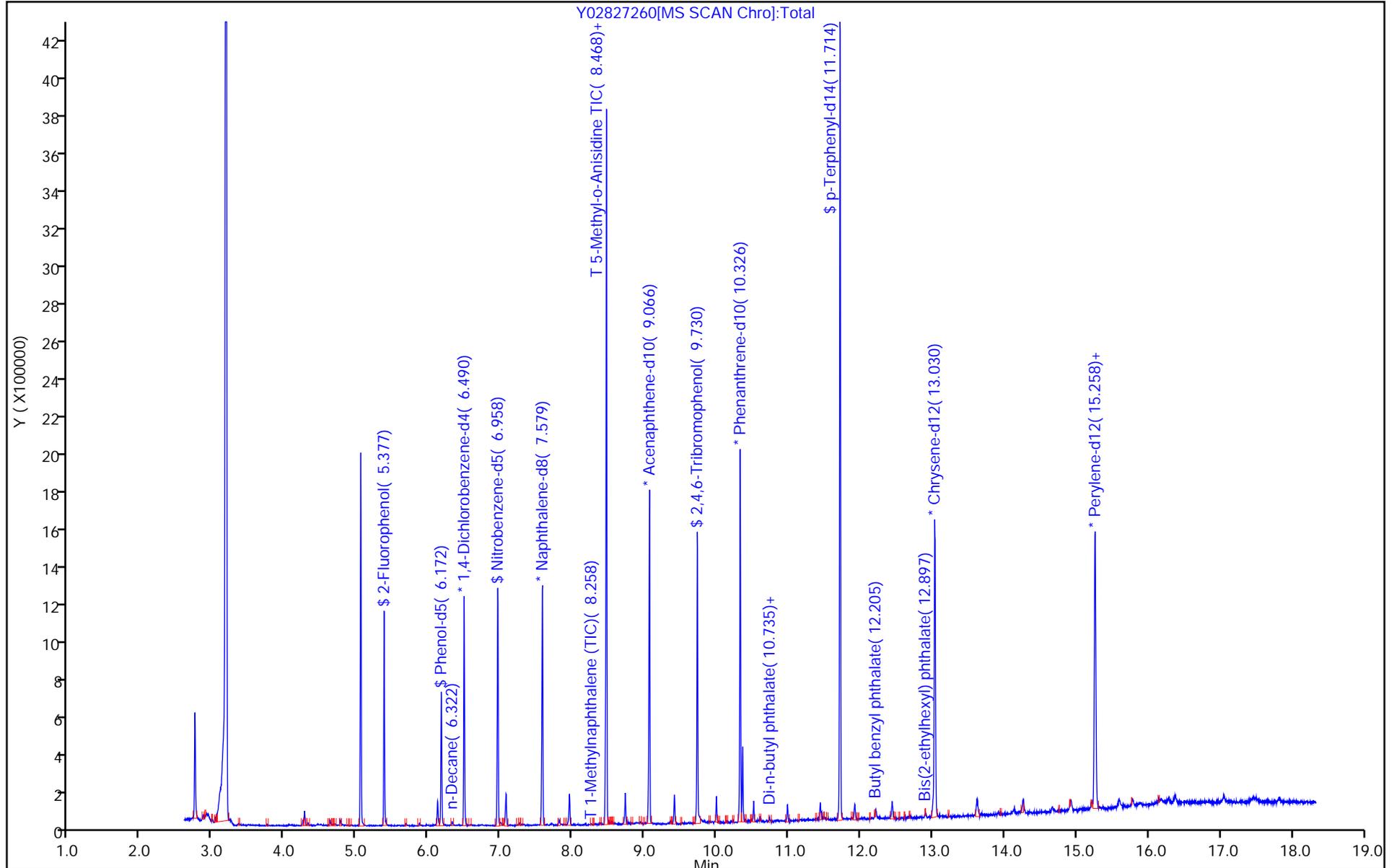
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

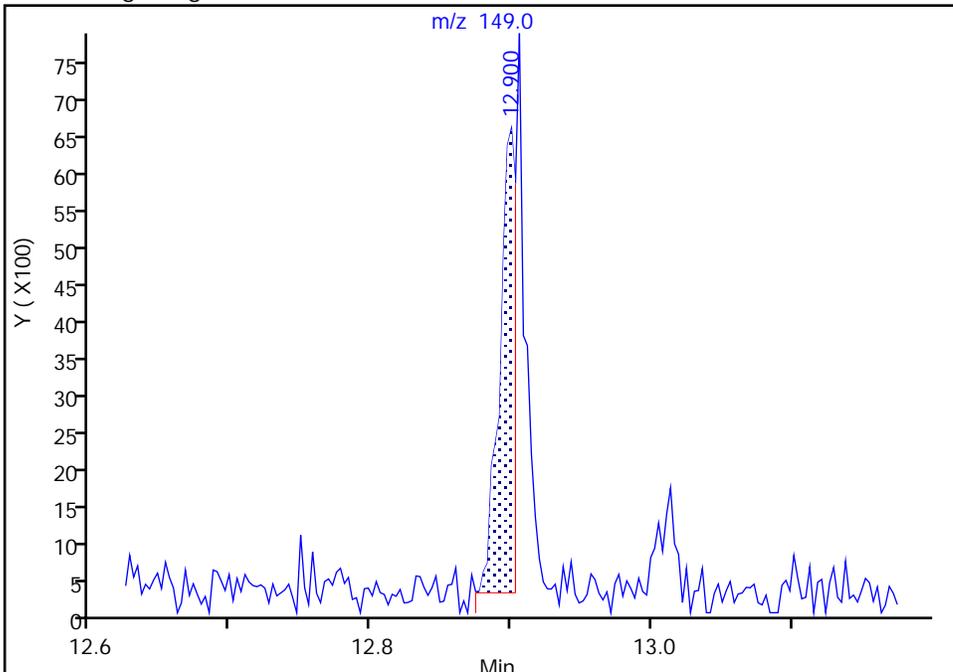
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827260.D
Injection Date: 30-Nov-2021 20:29:30 Instrument ID: HP5973Y
Lims ID: 480-192275-B-4-C Lab Sample ID: 480-192275-4
Client ID: 828021-GW-04
Operator ID: JM ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

181 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

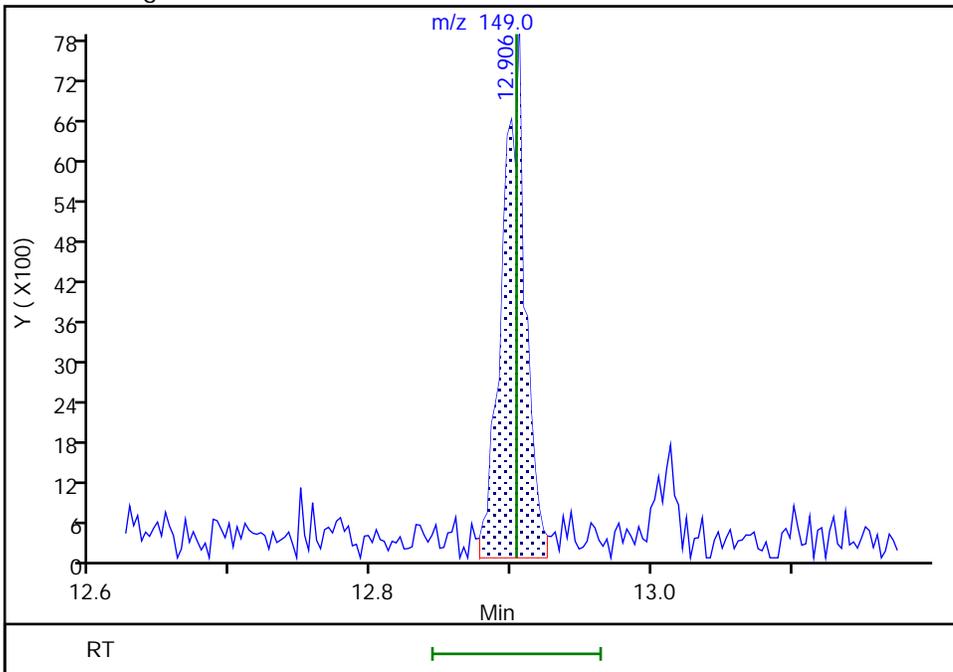
RT: 12.90
Area: 4997
Amount: 0.036228
Amount Units: ng/uL

Processing Integration Results



RT: 12.91
Area: 8885
Amount: 0.064417
Amount Units: ng/uL

Manual Integration Results



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 Lab Sample ID: 480-192275-5
 Matrix: Water Lab File ID: W10018180.d
 Analysis Method: 8270D Date Collected: 11/10/2021 13:28
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 10:59
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	**	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	**	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	**	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	**	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	**	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND	**	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	**	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	**	5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND	**	10	0.42
88-75-5	2-Nitrophenol	ND	**	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	**	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	**	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	**	5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	**	5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND	**	10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND	**	5.0	0.41
208-96-8	Acenaphthylene	ND	**	5.0	0.38
98-86-2	Acetophenone	ND	**	5.0	0.54
120-12-7	Anthracene	ND	**	5.0	0.28
1912-24-9	Atrazine	ND	**	5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 Lab Sample ID: 480-192275-5
 Matrix: Water Lab File ID: W10018180.d
 Analysis Method: 8270D Date Collected: 11/10/2021 13:28
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 10:59
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND	**	5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND	**	10	0.51
84-66-2	Diethyl phthalate	ND	**	5.0	0.22
131-11-3	Dimethyl phthalate	ND	**	5.0	0.36
206-44-0	Fluoranthene	ND	**	5.0	0.40
86-73-7	Fluorene	ND	**	5.0	0.36
118-74-1	Hexachlorobenzene	ND	**	5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND	**	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	**	5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND	**	5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND	**	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND	**	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 Lab Sample ID: 480-192275-5
 Matrix: Water Lab File ID: W10018180.d
 Analysis Method: 8270D Date Collected: 11/10/2021 13:28
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 10:59
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	103		46-120
4165-62-2	Phenol-d5 (Surr)	64		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	90		41-120
321-60-8	2-Fluorobiphenyl (Surr)	106		48-120
367-12-4	2-Fluorophenol (Surr)	85		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018180.d
 Lims ID: 480-192275-A-5-A
 Client ID: 828021-GW-10
 Sample Type: Client
 Inject. Date: 23-Nov-2021 10:59:30 ALS Bottle#: 47 Worklist Smp#: 19
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-019
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:14:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	97	235812	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	100	917168	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	93	529644	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	886191	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	795515	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	856795	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	521285	6.79	
\$ 8 Phenol-d5	99	6.232	6.221	0.011	99	490808	5.09	
\$ 9 Nitrobenzene-d5	82	7.039	7.044	-0.005	89	728159	8.20	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	100	1421008	8.47	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	93	201511	7.19	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1366658	7.03	
36 Benzaldehyde	77		6.194				ND	
37 Phenol	94		6.232				ND	
40 Bis(2-chloroethyl)ether	93		6.323				ND	
41 2-Chlorophenol	128		6.398				ND	
49 2-Methylphenol	108		6.755				ND	
50 2,2'-oxybis[1-chloropropane]	45		6.782				ND	
56 4-Methylphenol	108		6.878				ND	
55 N-Nitrosodi-n-propylamine	70		6.894				ND	
53 Acetophenone	105	6.905	6.905	0.000	63	1674	0.0151	
59 Hexachloroethane	117		7.023				ND	
61 Nitrobenzene	77		7.060				ND	
63 Isophorone	82		7.252				ND	
68 2,4-Dimethylphenol	107		7.332				ND	
67 2-Nitrophenol	139		7.332				ND	
71 Bis(2-chloroethoxy)methane	93		7.407				ND	
74 2,4-Dichlorophenol	162		7.530				ND	
76 Naphthalene	128	7.685	7.685	0.000	90	2473	0.0105	
78 4-Chloroaniline	127		7.706				ND	
81 Hexachlorobutadiene	225		7.776				ND	
84 Caprolactam	113		8.000				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107		8.091				ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	86	2669	0.0172	
93 Hexachlorocyclopentadiene	237		8.396				ND	
94 2,4,6-Trichlorophenol	196		8.486				ND	
95 2,4,5-Trichlorophenol	196		8.524				ND	
97 1,1'-Biphenyl	154		8.647				ND	
98 2-Chloronaphthalene	162		8.679				ND	
100 2-Nitroaniline	65		8.743				ND	
104 Dimethyl phthalate	163		8.866				ND	
106 2,6-Dinitrotoluene	165		8.930				ND	U
107 Acenaphthylene	152	9.031	9.036	-0.006	52	966	0.0136	
108 3-Nitroaniline	138		9.079				ND	
110 2,4-Dinitrophenol	184		9.165				ND	
109 Acenaphthene	153		9.181				ND	
111 4-Nitrophenol	109		9.191				ND	
113 2,4-Dinitrotoluene	165		9.272				ND	
114 Dibenzofuran	168		9.320				ND	
119 Diethyl phthalate	149	9.448	9.448	0.000	55	1590	0.0099	
122 4-Chlorophenyl phenyl ether	204		9.581				ND	
125 4-Nitroaniline	138		9.598				ND	
123 Fluorene	166		9.608				ND	
126 4,6-Dinitro-2-methylphenol	198		9.619				ND	
129 N-Nitrosodiphenylamine	169		9.678				ND	
137 4-Bromophenyl phenyl ether	248		9.998				ND	
138 Hexachlorobenzene	284		10.084				ND	
141 Atrazine	200		10.094				ND	
143 Pentachlorophenol	266		10.239				ND	
149 Phenanthrene	178	10.426	10.425	0.000	91	3182	0.0135	a
150 Anthracene	178		10.468				ND	U
151 Carbazole	167		10.586				ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	99	16893	0.0691	
161 Fluoranthene	202		11.473				ND	
165 Pyrene	202		11.708				ND	
172 Butyl benzyl phthalate	149	12.306	12.301	0.005	96	8119	0.1671	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	97	25595	0.2928	
177 3,3'-Dichlorobenzidine	252		13.043				ND	
179 Benzo[a]anthracene	228		13.123				ND	
181 Chrysene	228		13.177				ND	
184 Di-n-octyl phthalate	149		13.967				ND	
186 Benzo[b]fluoranthene	252		14.742				ND	
187 Benzo[k]fluoranthene	252		14.785				ND	
189 Benzo[a]pyrene	252		15.276				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.210				ND	
194 Dibenz(a,h)anthracene	278		17.221				ND	
195 Benzo[g,h,i]perylene	276		17.755				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018180.d

Injection Date: 23-Nov-2021 10:59:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-A-5-A

Lab Sample ID: 480-192275-5

Worklist Smp#: 19

Client ID: 828021-GW-10

Injection Vol: 2.0 ul

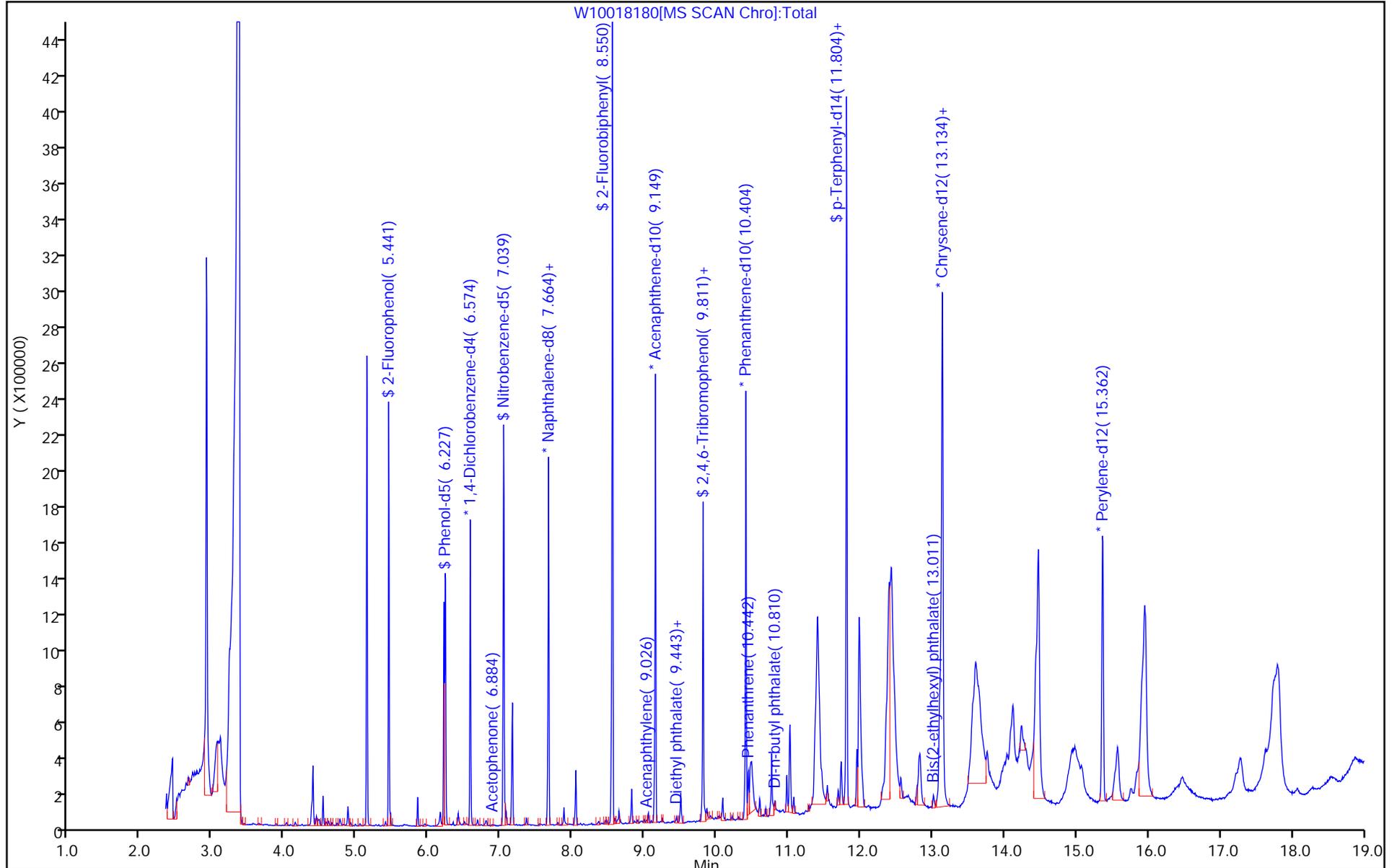
Dil. Factor: 1.0000

ALS Bottle#: 47

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018180.d

Injection Date: 23-Nov-2021 10:59:30

Instrument ID: HP5973W

Lims ID: 480-192275-A-5-A

Lab Sample ID: 480-192275-5

Client ID: 828021-GW-10

Operator ID: PJO

ALS Bottle#: 47 Worklist Smp#: 19

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: W-LVI-8270

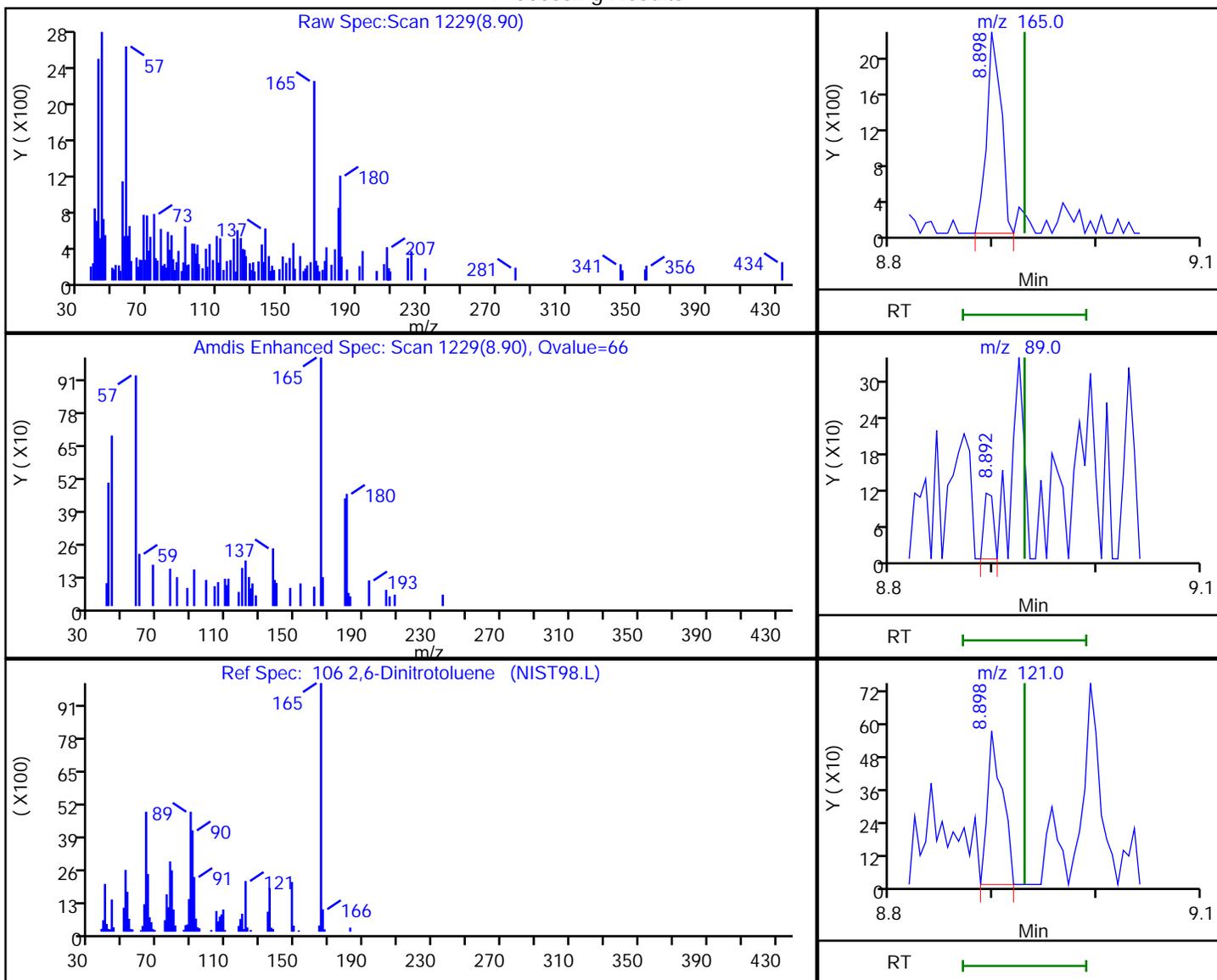
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

106 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
8.90	165.00	2176	0.200453
8.89	89.00	70	
8.90	121.00	568	

Reviewer: schickr, 24-Nov-2021 16:13:57

Audit Action: Marked Compound Undetected

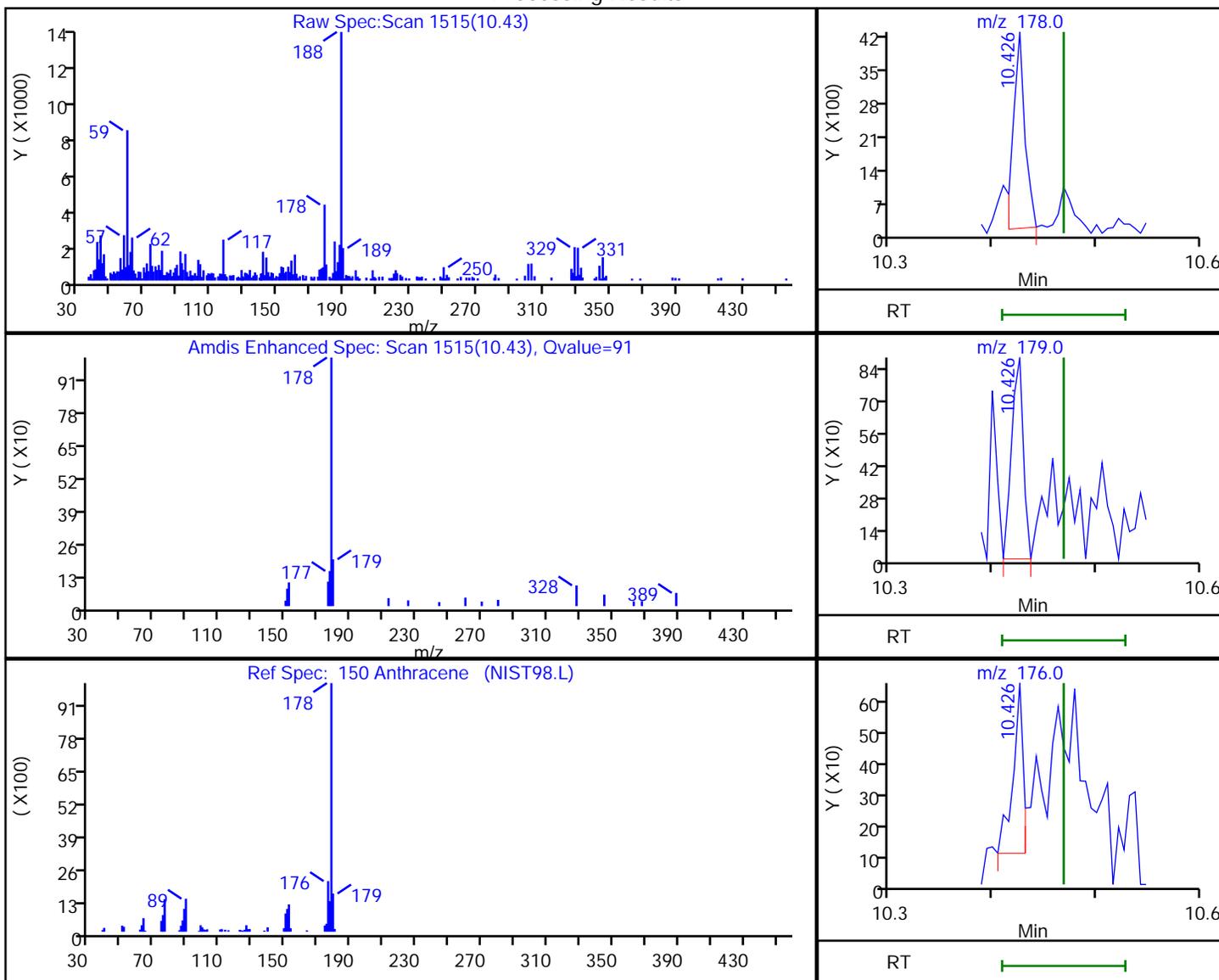
Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018180.d
 Injection Date: 23-Nov-2021 10:59:30 Instrument ID: HP5973W
 Lims ID: 480-192275-A-5-A Lab Sample ID: 480-192275-5
 Client ID: 828021-GW-10
 Operator ID: PJO ALS Bottle#: 47 Worklist Smp#: 19
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

150 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
10.43	178.00	3182	0.014005
10.43	179.00	702	
10.43	176.00	388	

Reviewer: schickr, 24-Nov-2021 16:14:08

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Buffalo

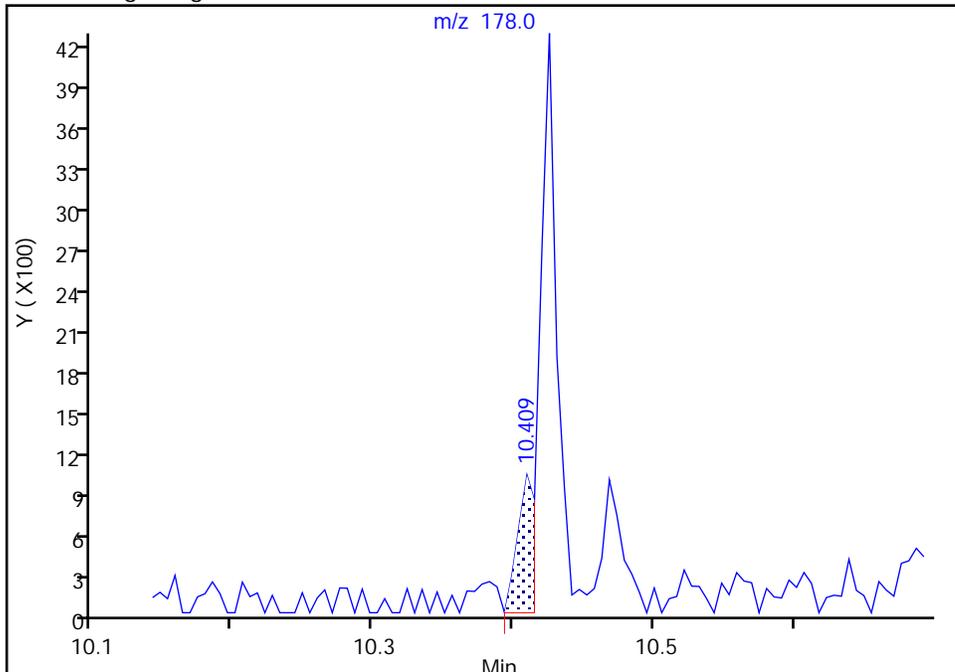
Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018180.d
Injection Date: 23-Nov-2021 10:59:30 Instrument ID: HP5973W
Lims ID: 480-192275-A-5-A Lab Sample ID: 480-192275-5
Client ID: 828021-GW-10
Operator ID: PJO ALS Bottle#: 47 Worklist Smp#: 19
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

149 Phenanthrene, CAS: 85-01-8

Signal: 1

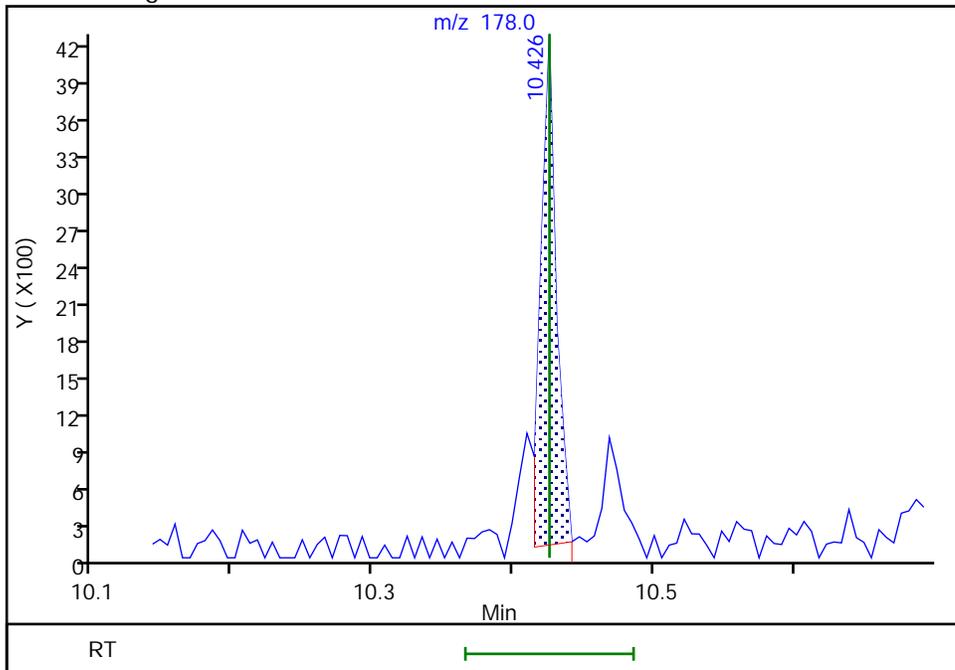
RT: 10.41
Area: 878
Amount: 0.003723
Amount Units: ng/uL

Processing Integration Results



RT: 10.43
Area: 3182
Amount: 0.013491
Amount Units: ng/uL

Manual Integration Results



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 RE Lab Sample ID: 480-192275-5 RE
 Matrix: Water Lab File ID: Y02827264.D
 Analysis Method: 8270D Date Collected: 11/10/2021 13:28
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 22:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
95-48-7	2-Methylphenol	ND	H	5.0	0.40
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo[a]anthracene	ND	H	5.0	0.36
50-32-8	Benzo[a]pyrene	ND	H	5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 RE Lab Sample ID: 480-192275-5 RE
 Matrix: Water Lab File ID: Y02827264.D
 Analysis Method: 8270D Date Collected: 11/10/2021 13:28
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 22:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	H	5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-10 RE Lab Sample ID: 480-192275-5 RE
 Matrix: Water Lab File ID: Y02827264.D
 Analysis Method: 8270D Date Collected: 11/10/2021 13:28
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 22:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	87		46-120
4165-62-2	Phenol-d5 (Surr)	50		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	104		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	81		41-120
321-60-8	2-Fluorobiphenyl (Surr)	101		48-120
367-12-4	2-Fluorophenol (Surr)	65		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827264.D
 Lims ID: 480-192275-B-5-A
 Client ID: 828021-GW-10
 Sample Type: Client
 Inject. Date: 30-Nov-2021 22:17:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-022
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 12:12:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.490	6.490	0.000	93	185710	4.00	
* 2 Naphthalene-d8	136	7.580	7.579	0.001	98	666539	4.00	
* 3 Acenaphthene-d10	164	9.067	9.066	0.000	91	423179	4.00	
* 4 Phenanthrene-d10	188	10.326	10.329	-0.003	94	746021	4.00	
* 5 Chrysene-d12	240	13.033	13.033	0.000	96	725247	4.00	
* 6 Perylene-d12	264	15.255	15.258	-0.003	99	877711	4.00	
\$ 7 2-Fluorophenol	112	5.380	5.361	0.019	88	260579	5.23	
\$ 8 Phenol-d5	99	6.175	6.170	0.005	0	230152	4.02	
\$ 9 Nitrobenzene-d5	82	6.958	6.959	-0.001	86	383747	6.99	
\$ 10 2-Fluorobiphenyl	172	8.468	8.468	0.000	98	1154516	8.05	
\$ 11 2,4,6-Tribromophenol	330	9.733	9.734	-0.001	88	194446	6.49	
\$ 12 p-Terphenyl-d14	244	11.714	11.715	-0.001	96	1577481	8.33	
35 Benzaldehyde	77		6.116				ND	
37 Phenol	94		6.181				ND	
39 Bis(2-chloroethyl)ether	93		6.241				ND	
40 2-Chlorophenol	128		6.320				ND	
48 2-Methylphenol	108		6.692				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698				ND	
53 N-Nitrosodi-n-propylamine	70		6.811				ND	
57 4-Methylphenol	108		6.817				ND	
52 Acetophenone	105		6.825				ND	
58 Hexachloroethane	117		6.936				ND	
59 Nitrobenzene	77		6.976				ND	
62 Isophorone	82		7.169				ND	
64 2-Nitrophenol	139		7.248				ND	
66 2,4-Dimethylphenol	107		7.262				ND	
69 Bis(2-chloroethoxy)methane	93		7.328				ND	
72 2,4-Dichlorophenol	162		7.455				ND	
74 Naphthalene	128		7.600				ND	
76 4-Chloroaniline	127		7.626				ND	
79 Hexachlorobutadiene	225		7.691				ND	
84 Caprolactam	113		7.926				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
85 4-Chloro-3-methylphenol	107		8.026				ND	
87 2-Methylnaphthalene	142		8.179				ND	
90 Hexachlorocyclopentadiene	237		8.309				ND	
93 2,4,6-Trichlorophenol	196		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.451				ND	
96 1,1'-Biphenyl	154		8.559				ND	
97 2-Chloronaphthalene	162		8.596				ND	
100 2-Nitroaniline	65		8.667				ND	
105 Dimethyl phthalate	163		8.786				ND	
107 2,6-Dinitrotoluene	165		8.851				ND	
108 Acenaphthylene	152		8.951				ND	
109 3-Nitroaniline	138		9.007				ND	
111 2,4-Dinitrophenol	184		9.093				ND	
110 Acenaphthene	153		9.095				ND	
112 4-Nitrophenol	109		9.141				ND	
114 2,4-Dinitrotoluene	165		9.198				ND	
115 Dibenzofuran	168		9.237				ND	
120 Diethyl phthalate	149		9.371				ND	
123 4-Chlorophenyl phenyl ether	204		9.498				ND	
126 4-Nitroaniline	138		9.527				ND	
124 Fluorene	166		9.530				ND	
127 4,6-Dinitro-2-methylphenol	198		9.549				ND	
130 N-Nitrosodiphenylamine	169		9.598				ND	
139 4-Bromophenyl phenyl ether	248		9.915				ND	
140 Hexachlorobenzene	284		10.003				ND	
143 Atrazine	200		10.018				ND	
145 Pentachlorophenol	266		10.162				ND	
151 Phenanthrene	178		10.350				ND	U
152 Anthracene	178		10.392				ND	
153 Carbazole	167		10.511				ND	
157 Di-n-butyl phthalate	149	10.735	10.736	-0.001	99	8569	0.0407	
164 Fluoranthene	202		11.388				ND	
167 Pyrene	202		11.618				ND	
174 Butyl benzyl phthalate	149	12.199	12.203	-0.004	60	9140	0.0999	
181 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	90	14255	0.1093	
179 3,3'-Dichlorobenzidine	252		12.940				ND	
180 Benzo[a]anthracene	228		13.020				ND	
182 Chrysene	228		13.071				ND	
184 Di-n-octyl phthalate	149		13.851				ND	
186 Benzo[b]fluoranthene	252		14.637				ND	
187 Benzo[k]fluoranthene	252		14.680				ND	
189 Benzo[a]pyrene	252		15.171				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.092				ND	
194 Dibenz(a,h)anthracene	278		17.097				ND	
195 Benzo[g,h,i]perylene	276		17.631				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827264.D

Injection Date: 30-Nov-2021 22:17:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-B-5-A

Lab Sample ID: 480-192275-5

Worklist Smp#: 22

Client ID: 828021-GW-10

Injection Vol: 2.0 ul

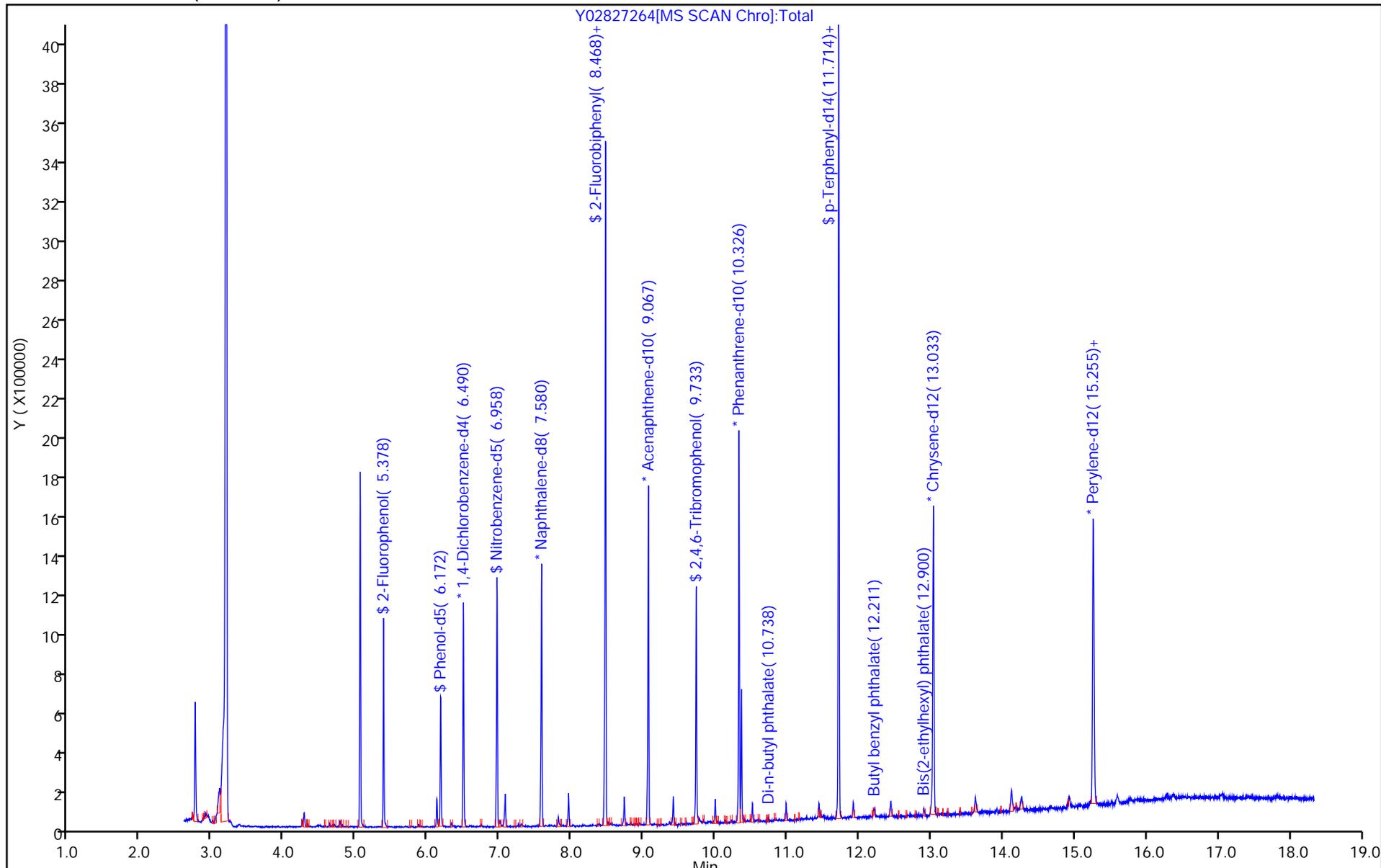
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

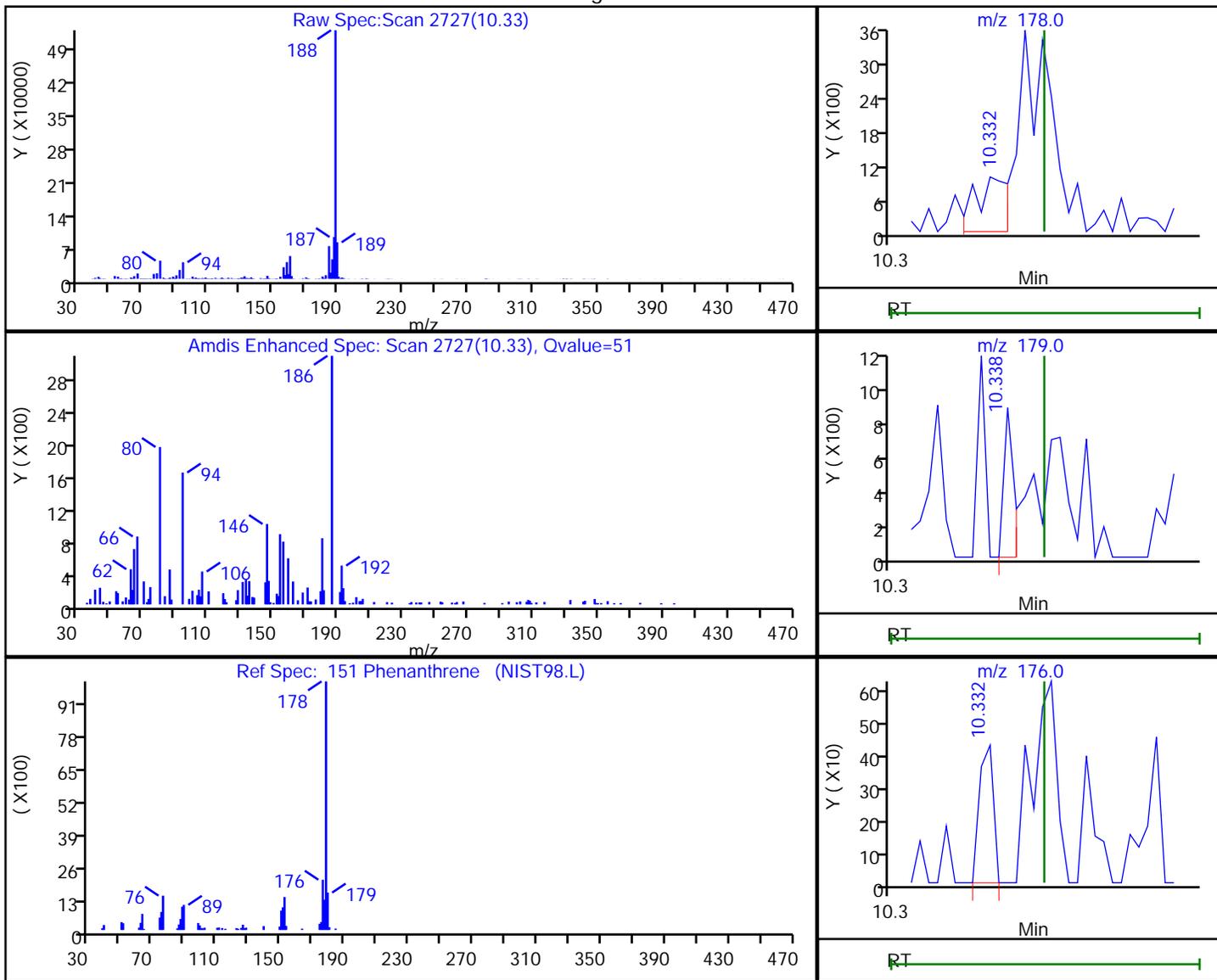


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827264.D
 Injection Date: 30-Nov-2021 22:17:30 Instrument ID: HP5973Y
 Lims ID: 480-192275-B-5-A Lab Sample ID: 480-192275-5
 Client ID: 828021-GW-10
 Operator ID: JM ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.33	178.00	711	0.003663
10.34	179.00	194	
10.33	176.00	134	

Reviewer: marshallj, 01-Dec-2021 12:11:36
 Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 Lab Sample ID: 480-192275-6
 Matrix: Water Lab File ID: W10018181.d
 Analysis Method: 8270D Date Collected: 11/10/2021 14:19
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 11:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	**	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	**	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	**	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	**	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	**	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND	**	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	**	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	**	5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND	**	10	0.42
88-75-5	2-Nitrophenol	ND	**	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	**	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	**	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	**	5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	**	5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND	**	10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND	**	5.0	0.41
208-96-8	Acenaphthylene	ND	**	5.0	0.38
98-86-2	Acetophenone	ND	**	5.0	0.54
120-12-7	Anthracene	ND	**	5.0	0.28
1912-24-9	Atrazine	ND	**	5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 Lab Sample ID: 480-192275-6
 Matrix: Water Lab File ID: W10018181.d
 Analysis Method: 8270D Date Collected: 11/10/2021 14:19
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 11:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND	**	5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND	**	10	0.51
84-66-2	Diethyl phthalate	ND	**	5.0	0.22
131-11-3	Dimethyl phthalate	ND	**	5.0	0.36
206-44-0	Fluoranthene	ND	**	5.0	0.40
86-73-7	Fluorene	ND	**	5.0	0.36
118-74-1	Hexachlorobenzene	ND	**	5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND	**	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	**	5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND	**	5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND	**	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND	**	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 Lab Sample ID: 480-192275-6
 Matrix: Water Lab File ID: W10018181.d
 Analysis Method: 8270D Date Collected: 11/10/2021 14:19
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 11:26
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	114		46-120
4165-62-2	Phenol-d5 (Surr)	70		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	101		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	105		41-120
321-60-8	2-Fluorobiphenyl (Surr)	119		48-120
367-12-4	2-Fluorophenol (Surr)	92		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018181.d
 Lims ID: 480-192275-A-6-A
 Client ID: 828021-GW-2
 Sample Type: Client
 Inject. Date: 23-Nov-2021 11:26:30 ALS Bottle#: 48 Worklist Smp#: 20
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-020
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:14:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	98	225215	4.00	
* 2 Naphthalene-d8	136	7.663	7.664	-0.001	100	881359	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	93	507223	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	863661	4.00	
* 5 Chrysene-d12	240	13.134	13.139	-0.005	99	804291	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	821356	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	94	542489	7.40	
\$ 8 Phenol-d5	99	6.232	6.221	0.011	99	517705	5.62	
\$ 9 Nitrobenzene-d5	82	7.038	7.044	-0.006	90	775592	9.09	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	99	1524489	9.49	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	93	230920	8.43	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1590612	8.09	
36 Benzaldehyde	77		6.194				ND	
37 Phenol	94		6.232				ND	
40 Bis(2-chloroethyl)ether	93		6.323				ND	
41 2-Chlorophenol	128		6.398				ND	
49 2-Methylphenol	108		6.755				ND	
50 2,2'-oxybis[1-chloropropane]	45		6.782				ND	U
56 4-Methylphenol	108		6.878				ND	
55 N-Nitrosodi-n-propylamine	70		6.894				ND	
53 Acetophenone	105		6.905				ND	
59 Hexachloroethane	117		7.023				ND	
61 Nitrobenzene	77		7.060				ND	
63 Isophorone	82		7.252				ND	
68 2,4-Dimethylphenol	107		7.332				ND	
67 2-Nitrophenol	139		7.332				ND	
71 Bis(2-chloroethoxy)methane	93		7.407				ND	
74 2,4-Dichlorophenol	162		7.530				ND	
76 Naphthalene	128	7.685	7.685	0.000	94	13153	0.0583	
78 4-Chloroaniline	127		7.706				ND	
81 Hexachlorobutadiene	225		7.776				ND	
84 Caprolactam	113		8.000				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107		8.091				ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	4414	0.0296	
93 Hexachlorocyclopentadiene	237		8.396				ND	
94 2,4,6-Trichlorophenol	196		8.486				ND	
95 2,4,5-Trichlorophenol	196		8.524				ND	
97 1,1'-Biphenyl	154		8.647				ND	
98 2-Chloronaphthalene	162		8.679				ND	
100 2-Nitroaniline	65		8.743				ND	
104 Dimethyl phthalate	163		8.866				ND	
106 2,6-Dinitrotoluene	165		8.930				ND	
107 Acenaphthylene	152		9.037				ND	
108 3-Nitroaniline	138		9.079				ND	
110 2,4-Dinitrophenol	184		9.165				ND	
109 Acenaphthene	153		9.181				ND	
111 4-Nitrophenol	109		9.191				ND	
113 2,4-Dinitrotoluene	165		9.272				ND	
114 Dibenzofuran	168	9.319	9.320	-0.001	95	2712	0.0142	
119 Diethyl phthalate	149	9.448	9.448	0.000	57	2227	0.0145	
122 4-Chlorophenyl phenyl ether	204		9.581				ND	
125 4-Nitroaniline	138		9.598				ND	
123 Fluorene	166	9.608	9.608	0.000	74	1442	0.009189	
126 4,6-Dinitro-2-methylphenol	198		9.619				ND	
129 N-Nitrosodiphenylamine	169		9.678				ND	
137 4-Bromophenyl phenyl ether	248		9.998				ND	
138 Hexachlorobenzene	284		10.084				ND	
141 Atrazine	200		10.094				ND	
143 Pentachlorophenol	266		10.239				ND	
149 Phenanthrene	178		10.426				ND	
150 Anthracene	178		10.468				ND	
151 Carbazole	167		10.586				ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	99	15432	0.0648	
161 Fluoranthene	202		11.473				ND	
165 Pyrene	202		11.708				ND	
172 Butyl benzyl phthalate	149	12.300	12.301	-0.001	93	7803	0.1637	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	94	21322	0.2659	
177 3,3'-Dichlorobenzidine	252		13.043				ND	
179 Benzo[a]anthracene	228		13.123				ND	
181 Chrysene	228		13.177				ND	
184 Di-n-octyl phthalate	149		13.967				ND	
186 Benzo[b]fluoranthene	252		14.742				ND	
187 Benzo[k]fluoranthene	252		14.785				ND	
189 Benzo[a]pyrene	252		15.276				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.210				ND	
194 Dibenz(a,h)anthracene	278		17.221				ND	
195 Benzo[g,h,i]perylene	276		17.755				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018181.d

Injection Date: 23-Nov-2021 11:26:30

Instrument ID: HP5973W

Operator ID: PJO

Lims ID: 480-192275-A-6-A

Lab Sample ID: 480-192275-6

Worklist Smp#: 20

Client ID: 828021-GW-2

Injection Vol: 2.0 ul

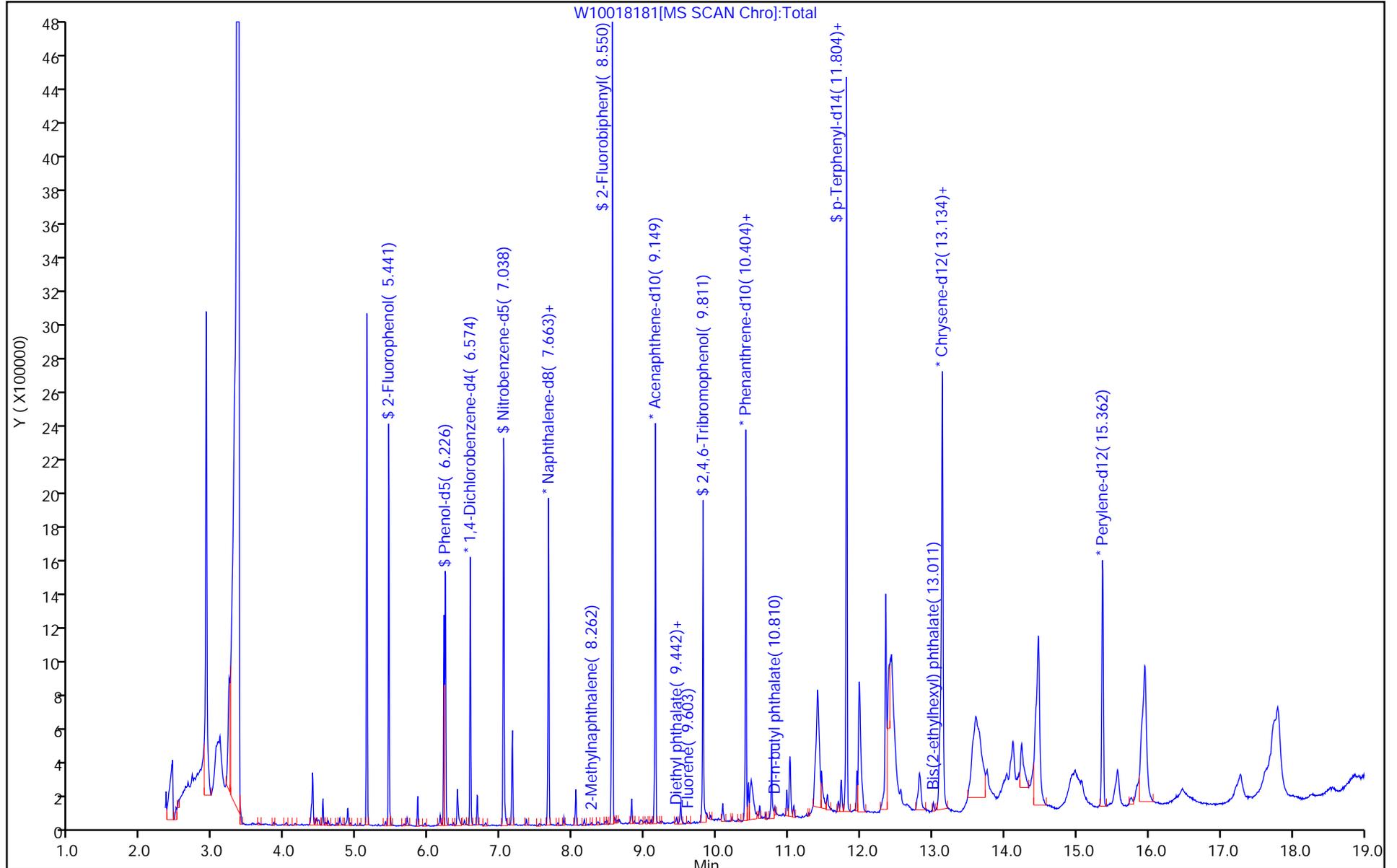
Dil. Factor: 1.0000

ALS Bottle#: 48

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

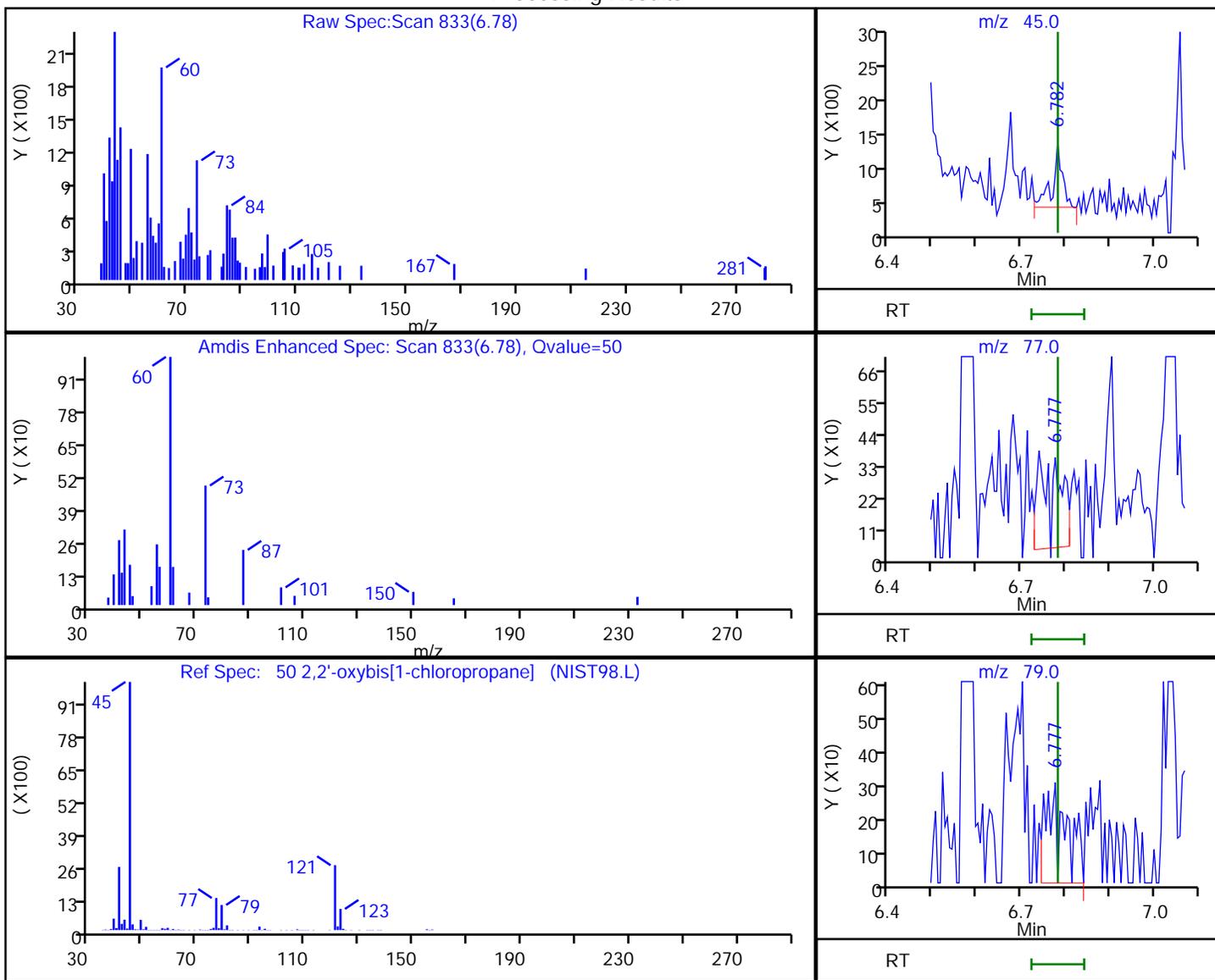


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018181.d
 Injection Date: 23-Nov-2021 11:26:30 Instrument ID: HP5973W
 Lims ID: 480-192275-A-6-A Lab Sample ID: 480-192275-6
 Client ID: 828021-GW-2
 Operator ID: PJO ALS Bottle#: 48 Worklist Smp#: 20
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

50 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
6.78	45.00	1500	0.013132
6.78	77.00	1078	
6.78	79.00	997	

Reviewer: schickr, 24-Nov-2021 16:14:27

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 RE Lab Sample ID: 480-192275-6 RE
 Matrix: Water Lab File ID: Y02827265.D
 Analysis Method: 8270D Date Collected: 11/10/2021 14:19
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 22:45
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
95-48-7	2-Methylphenol	ND	H	5.0	0.40
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo[a]anthracene	ND	H	5.0	0.36
50-32-8	Benzo[a]pyrene	ND	H	5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 RE Lab Sample ID: 480-192275-6 RE
 Matrix: Water Lab File ID: Y02827265.D
 Analysis Method: 8270D Date Collected: 11/10/2021 14:19
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 22:45
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND	H	5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-2 RE Lab Sample ID: 480-192275-6 RE
 Matrix: Water Lab File ID: Y02827265.D
 Analysis Method: 8270D Date Collected: 11/10/2021 14:19
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 22:45
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	78		46-120
4165-62-2	Phenol-d5 (Surr)	46		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	93		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	66		41-120
321-60-8	2-Fluorobiphenyl (Surr)	96		48-120
367-12-4	2-Fluorophenol (Surr)	60		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827265.D
 Lims ID: 480-192275-B-6-A
 Client ID: 828021-GW-2
 Sample Type: Client
 Inject. Date: 30-Nov-2021 22:45:30 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-023
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 12:14:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.490	6.490	0.000	92	190106	4.00	
* 2 Naphthalene-d8	136	7.580	7.579	0.001	98	666452	4.00	
* 3 Acenaphthene-d10	164	9.067	9.066	0.001	92	408924	4.00	
* 4 Phenanthrene-d10	188	10.327	10.329	-0.002	94	741946	4.00	
* 5 Chrysene-d12	240	13.034	13.033	0.001	96	738225	4.00	
* 6 Perylene-d12	264	15.258	15.258	0.000	99	864013	4.00	
\$ 7 2-Fluorophenol	112	5.378	5.361	0.017	87	245569	4.82	
\$ 8 Phenol-d5	99	6.172	6.170	0.002	0	215850	3.68	
\$ 9 Nitrobenzene-d5	82	6.958	6.959	-0.001	85	344135	6.27	
\$ 10 2-Fluorobiphenyl	172	8.468	8.468	0.000	98	1059271	7.64	
\$ 11 2,4,6-Tribromophenol	330	9.734	9.734	0.000	87	157143	5.30	
\$ 12 p-Terphenyl-d14	244	11.714	11.715	-0.001	96	1437007	7.46	
35 Benzaldehyde	77		6.116				ND	
37 Phenol	94		6.181				ND	
39 Bis(2-chloroethyl)ether	93		6.241				ND	
40 2-Chlorophenol	128		6.320				ND	
48 2-Methylphenol	108		6.692				ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698				ND	
53 N-Nitrosodi-n-propylamine	70		6.811				ND	
57 4-Methylphenol	108		6.817				ND	
52 Acetophenone	105		6.825				ND	
58 Hexachloroethane	117		6.936				ND	
59 Nitrobenzene	77		6.976				ND	
62 Isophorone	82		7.169				ND	
64 2-Nitrophenol	139		7.248				ND	
66 2,4-Dimethylphenol	107		7.262				ND	
69 Bis(2-chloroethoxy)methane	93		7.328				ND	
72 2,4-Dichlorophenol	162		7.455				ND	
74 Naphthalene	128		7.600				ND	
76 4-Chloroaniline	127		7.626				ND	
79 Hexachlorobutadiene	225		7.691				ND	
84 Caprolactam	113		7.926				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/uL	Flags
85 4-Chloro-3-methylphenol	107		8.026				ND	
87 2-Methylnaphthalene	142		8.179				ND	
90 Hexachlorocyclopentadiene	237		8.309				ND	
93 2,4,6-Trichlorophenol	196		8.412				ND	
94 2,4,5-Trichlorophenol	196		8.451				ND	
96 1,1'-Biphenyl	154		8.559				ND	
97 2-Chloronaphthalene	162		8.596				ND	
100 2-Nitroaniline	65		8.667				ND	
105 Dimethyl phthalate	163		8.786				ND	
107 2,6-Dinitrotoluene	165		8.851				ND	
108 Acenaphthylene	152		8.951				ND	
109 3-Nitroaniline	138		9.007				ND	
111 2,4-Dinitrophenol	184		9.093				ND	
110 Acenaphthene	153		9.095				ND	
112 4-Nitrophenol	109		9.141				ND	
114 2,4-Dinitrotoluene	165		9.198				ND	
115 Dibenzofuran	168		9.237				ND	
120 Diethyl phthalate	149		9.371				ND	
123 4-Chlorophenyl phenyl ether	204		9.498				ND	
126 4-Nitroaniline	138		9.527				ND	
124 Fluorene	166		9.530				ND	
127 4,6-Dinitro-2-methylphenol	198		9.549				ND	
130 N-Nitrosodiphenylamine	169		9.598				ND	
139 4-Bromophenyl phenyl ether	248		9.915				ND	
140 Hexachlorobenzene	284		10.003				ND	
143 Atrazine	200		10.018				ND	
145 Pentachlorophenol	266		10.162				ND	
151 Phenanthrene	178		10.350				ND	U
152 Anthracene	178		10.392				ND	
153 Carbazole	167		10.511				ND	
157 Di-n-butyl phthalate	149	10.732	10.736	-0.004	98	8302	0.0397	
164 Fluoranthene	202		11.388				ND	
167 Pyrene	202		11.618				ND	
174 Butyl benzyl phthalate	149	12.205	12.203	0.002	84	7438	0.0798	
181 Bis(2-ethylhexyl) phthalate	149	12.900	12.903	-0.003	74	8273	0.0623	
179 3,3'-Dichlorobenzidine	252		12.940				ND	
180 Benzo[a]anthracene	228		13.020				ND	
182 Chrysene	228		13.071				ND	
184 Di-n-octyl phthalate	149		13.851				ND	
186 Benzo[b]fluoranthene	252		14.637				ND	
187 Benzo[k]fluoranthene	252		14.680				ND	
189 Benzo[a]pyrene	252		15.171				ND	
193 Indeno[1,2,3-cd]pyrene	276		17.092				ND	
194 Dibenz(a,h)anthracene	278		17.097				ND	
195 Benzo[g,h,i]perylene	276		17.631				ND	

QC Flag Legend

Processing Flags

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827265.D

Injection Date: 30-Nov-2021 22:45:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-B-6-A

Lab Sample ID: 480-192275-6

Worklist Smp#: 23

Client ID: 828021-GW-2

Injection Vol: 2.0 ul

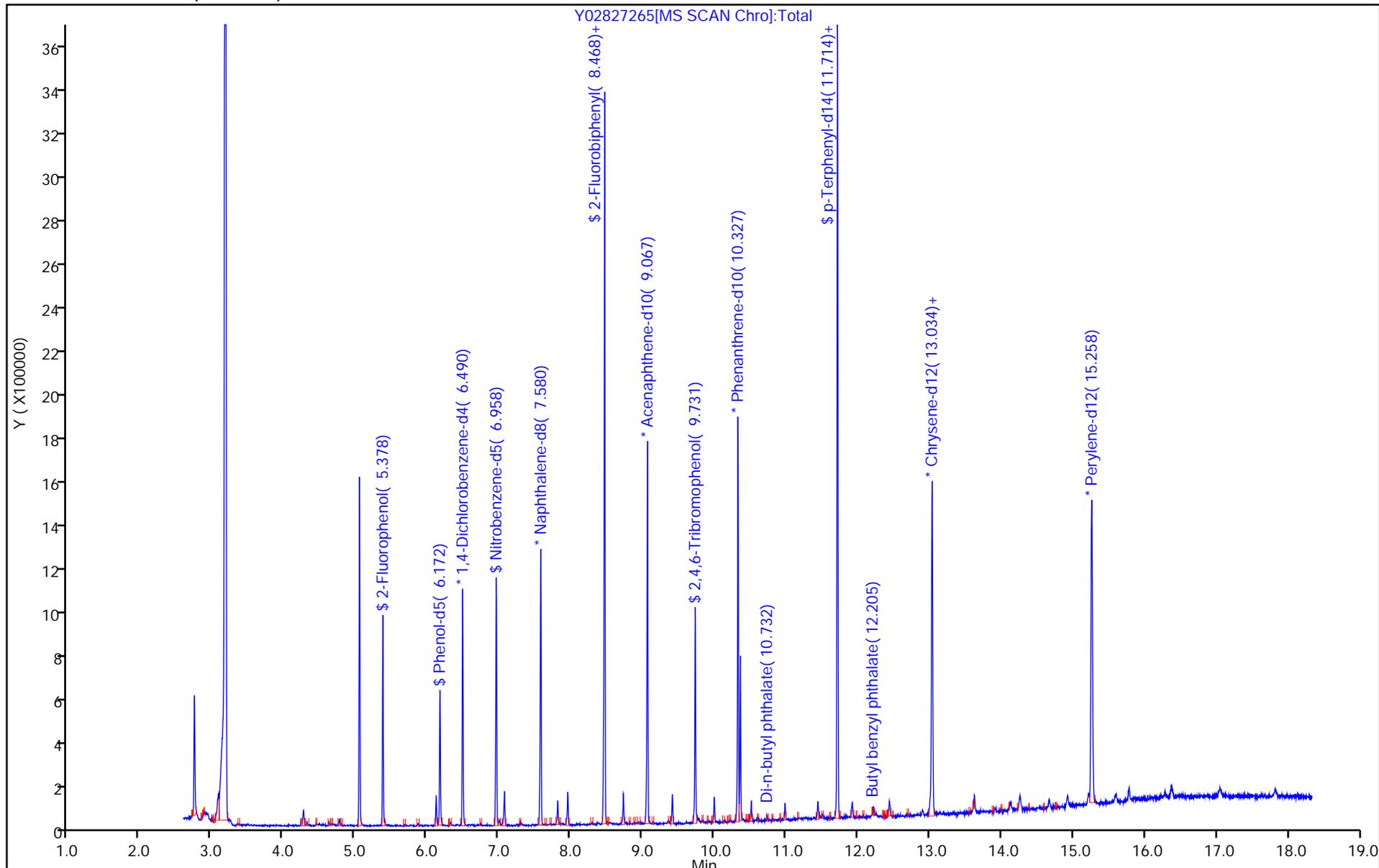
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

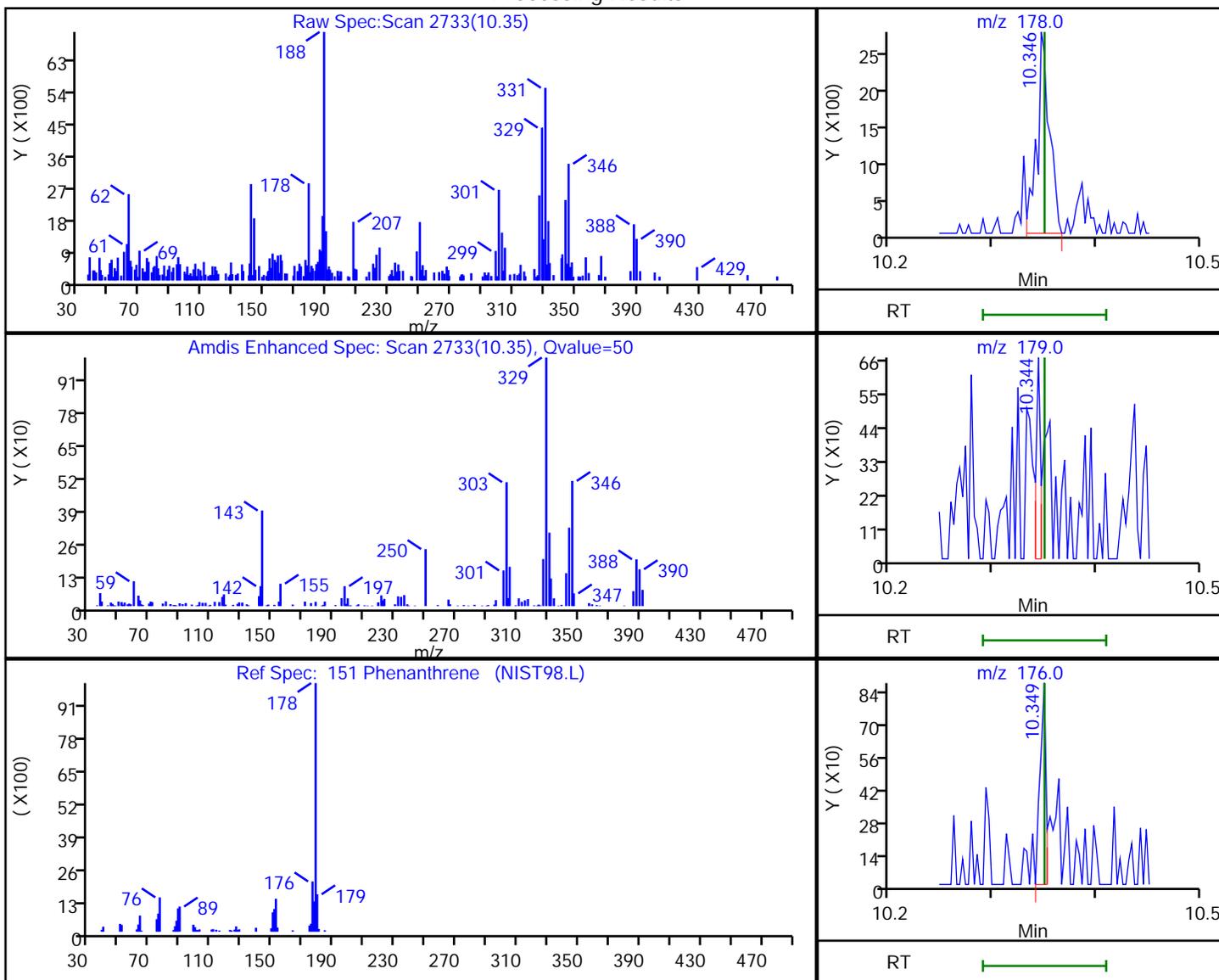


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827265.D
 Injection Date: 30-Nov-2021 22:45:30 Instrument ID: HP5973Y
 Lims ID: 480-192275-B-6-A Lab Sample ID: 480-192275-6
 Client ID: 828021-GW-2
 Operator ID: JM ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

151 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
10.35	178.00	2307	0.011951
10.34	179.00	197	
10.35	176.00	349	

Reviewer: marshallj, 01-Dec-2021 12:13:40
 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 TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-606072/3	W10018136.d
Level 2	IC 480-606072/4	W10018137.d
Level 3	IC 480-606072/5	W10018138.d
Level 4	IC 480-606072/6	W10018139.d
Level 5	ICIS 480-606072/7	W10018140.d
Level 6	IC 480-606072/8	W10018141.d
Level 7	IC 480-606072/9	W10018142.d
Level 8	IC 480-606072/10	W10018143.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,4-Dioxane	0.5535	0.5708 0.5425	0.6111 0.5505	0.5646	0.5707	Ave	0.566 2			0.0100	4.0		20.0				
N-Nitrosodimethylamine	0.6600	0.7000 0.6461	0.6758 0.6496	0.6735	0.7057	Ave	0.672 9			0.0100	3.5		20.0				
Pyridine	0.9844	0.9531 0.9581	0.9730 0.9689	0.9745	0.9948	Ave	0.972 4			0.0100	1.5		20.0				
Benzaldehyde	1.0020	1.0862 +++++	1.0720 +++++	1.0973	1.2755	Ave	1.106 6			0.0100	9.2		20.0				
Phenol	1.6999	1.6922 1.7197	1.7399 1.7376	1.7154	1.7931	Ave	1.728 3			0.8000	1.9		20.0				
Aniline	2.0650	1.9986 2.0057	2.0513 2.0341	2.0558	2.0922	Ave	2.043 3			0.0100	1.6		20.0				
Bis(2-chloroethyl) ether	1.3880	1.5031 1.4372	1.4185 1.4908	1.4931	1.5376	Ave	1.466 9			0.7000	3.6		20.0				
2-Chlorophenol	1.3759	1.2620 1.3654	1.3736 1.4183	1.3724	1.4241	Ave	1.370 2			0.8000	3.9		20.0				
n-Decane	1.7012	1.7528 1.6750	1.7758 1.6766	1.7570	1.7875	Ave	1.732 3			0.0100	2.7		20.0				
1,3-Dichlorobenzene	1.5005	1.5646 1.5018	1.6056 1.5471	1.5277	1.5814	Ave	1.547 0			0.0100	2.6		20.0				
1,4-Dichlorobenzene	1.5530	1.6213 1.5192	1.5800 1.5825	1.5541	1.6335	Ave	1.577 7			0.0100	2.5		20.0				
Benzyl alcohol	0.8837	0.7966 0.8944	0.8164 0.9316	0.8611	0.9138	Ave	0.871 1			0.0100	5.7		20.0				
1,2-Dichlorobenzene	1.4373	1.4927 1.4618	1.5034 1.4913	1.4651	1.5158	Ave	1.481 1			0.0100	1.8		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
2-Methylphenol	1.2451	1.1907 1.2485	1.2226 1.2853	1.2513	1.3067	Ave		1.250 0		0.7000	3.1		20.0				
bis (2-chloroisopropyl) ether	1.9582	2.1995 1.8801	2.0762 1.8903	2.0849	2.1116	Ave		2.028 7		0.0100	6.0		20.0				
Indene	0.4638	0.6401 +++++	0.6418 +++++	0.6190	0.6021	Ave		0.593 4		0.0100	12.5		20.0				
4-Methylphenol	1.3153	1.2118 1.3281	1.2519 1.3411	1.2919	1.3570	Ave		1.299 6		0.6000	4.0		20.0				
N-Nitrosodi-n-propylamine	0.9359	0.8907 0.9379	0.8759 0.9668	0.8949	0.9533	Ave		0.922 2		0.5000	3.8		20.0				
Acetophenone	1.8598	1.8388 1.8704	1.8557 1.9100	1.8653	1.9576	Ave		1.879 6		0.0100	2.2		20.0				
Hexachloroethane	0.6149	0.5977 0.6219	0.5953 0.6404	0.5895	0.6261	Ave		0.612 3		0.3000	3.1		20.0				
Nitrobenzene	0.3567	0.3416 0.3548	0.3446 0.3555	0.3519	0.3720	Ave		0.353 9		0.2000	2.8		20.0				
Isophorone	0.6633	0.6158 0.6519	0.6312 0.6342	0.6564	0.6976	Ave		0.650 1		0.4000	4.1		20.0				
2-Nitrophenol	0.1757	0.1286 0.1807	0.1396 0.1836	0.1572	0.1751	Lin2	-0.02 9	0.179 5		0.1000	4.2			0.9980		0.9900	
2,4-Dimethylphenol	0.3467	0.3461 0.3501	0.3399 0.3475	0.3404	0.3646	Ave		0.347 9		0.2000	2.4		20.0				
Bis(2-chloroethoxy)methane	0.4130	0.4247 0.4121	0.4114 0.4048	0.4129	0.4422	Ave		0.417 3		0.3000	3.0		20.0				
Benzoic acid	0.2406	0.1027 0.2485	0.1319 0.2621	0.1686	0.2235	Lin1	-0.54 3	0.259 2		0.0100	12.8			0.9970		0.9900	
2,4-Dichlorophenol	0.2929	0.2658 0.2952	0.2753 0.2944	0.2841	0.3032	Ave		0.287 3		0.2000	4.5		20.0				
1,2,4-Trichlorobenzene	0.3176	0.3161 0.3172	0.3240 0.3198	0.3177	0.3351	Ave		0.321 1		0.0100	2.1		20.0				
Naphthalene	1.1078 1.0022	1.0945 0.9188	1.0610 0.8748	1.0452	1.0859	Ave		1.023 8		0.7000	8.4		20.0				
4-Chloroaniline	0.3841	0.3976 0.3956	0.4009 0.4003	0.3616	0.3766	Ave		0.388 1		0.0100	3.8		20.0				
2,6-Dichlorophenol	0.2884	0.2776 0.2901	0.2705 0.2922	0.2870	0.3058	Ave		0.287 4		0.0100	3.9		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Hexachlorobutadiene	0.2058	0.1916 0.2109	0.2096 0.2144	0.2039	0.2144	Ave		0.207 2		0.0100	3.8		20.0				
Caprolactam	0.1033	0.0850 0.1023	0.0930 0.0989	0.0993	0.1135	Lin2	-0.02 0	0.105 1		0.0100	5.4			0.9960		0.9900	
4-Chloro-3-methylphenol	0.2848	0.2663 0.2891	0.2616 0.2882	0.2825	0.2952	Ave		0.281 1		0.2000	4.4		20.0				
2-Methylnaphthalene	0.6795 0.6697	0.6905 0.6558	0.6742 0.6339	0.6904	0.7238	Ave		0.677 2		0.4000	3.9		20.0				
1-Methylnaphthalene	0.6375 0.6211	0.6299 0.6093	0.6084 0.5866	0.6327	0.6594	Ave		0.623 1		0.0100	3.5		20.0				
Hexachlorocyclopentadiene	0.4045	0.3714 0.4088	0.3744 0.4088	0.3938	0.4083	Ave		0.395 7		0.0500	4.2		20.0				
1,2,4,5-Tetrachlorobenzene	0.5662	0.5687 0.5619	0.5490 0.5760	0.5700	0.5916	Ave		0.569 1		0.0100	2.3		20.0				
2,4,6-Trichlorophenol	0.3835	0.3247 0.3938	0.3571 0.4054	0.3701	0.3848	Lin2	-0.03 7	0.395 2		0.2000	1.8			1.0000		0.9900	
2,4,5-Trichlorophenol	0.3876	0.3279 0.3799	0.3276 0.3849	0.3542	0.3863	Lin2	-0.03 4	0.383 5		0.2000	3.7			0.9980		0.9900	
Biphenyl	1.4164	1.4574 1.3647	1.4324 1.2981	1.4561	1.5072	Ave		1.418 9		0.0100	4.8		20.0				
2-Chloronaphthalene	1.1170	1.1057 1.0931	1.1078 1.0604	1.1276	1.1607	Ave		1.110 3		0.8000	2.8		20.0				
2-Nitroaniline	0.3224	0.2378 0.3262	0.2651 0.3329	0.2923	0.3235	Lin2	-0.05 0	0.328 5		0.0100	3.1			0.9990		0.9900	
Dimethyl phthalate	1.2498	1.2138 1.0990	1.2186 1.0465	1.2463	1.2655	Ave		1.191 3		0.0100	7.1		20.0				
1,3-Dinitrobenzene	0.1073	0.0667 0.1122	0.0750 0.1167	0.0894	0.1050	Lin2	-0.02 5	0.110 6		0.0100	7.0			0.9940		0.9900	
2,6-Dinitrotoluene	0.2766	0.2017 0.2852	0.2463 0.2710	0.2669	0.2865	Lin2	-0.04 1	0.285 5		0.2000	2.7			0.9990		0.9900	
Acenaphthylene	1.5039 1.6592	1.6131 1.5421	1.6606 1.4502	1.7087	1.7818	Lin2	-0.01 5	1.637 5		0.9000	6.8			0.9950		0.9900	
3-Nitroaniline	0.2971	0.2199 0.3012	0.2410 0.3052	0.2580	0.2909	Lin2	-0.04 5	0.299 0		0.0100	4.2			0.9980		0.9900	
2,4-Dinitrophenol	0.1444	0.0535 0.1528	0.0830 0.1669	0.1033	0.1306	Lin1	-0.14 6	0.161 1		0.0100	13.2			0.9940		0.9900	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Acenaphthene	1.1468 1.1207	1.1628 1.0839	1.1176 1.0550	1.1164	1.1963	Ave		1.125 0		0.9000	3.9		20.0				
4-Nitrophenol	0.1701	0.0970 0.1748	0.1320 0.1786	0.1549	0.1712	Lin2	-0.08 3	0.178 0		0.0100	1.9			1.0000		0.9900	
2,4-Dinitrotoluene	0.3689	0.2647 0.3713	0.2892 0.3804	0.3247	0.3650	Lin2	-0.06 1	0.372 8		0.2000	4.2			0.9980		0.9900	
Dibenzofuran	1.5176	1.5484 1.4328	1.5139 1.3595	1.5319	1.6212	Ave		1.503 6		0.8000	5.6		20.0				
2,3,4,6-Tetrachlorophenol	0.3105	0.2359 0.3219	0.2571 0.3333	0.2845	0.3105	Lin2	-0.04 8	0.320 8		0.0100	4.0			0.9980		0.9900	
Hexadecane	0.8667	0.8327 0.8353	0.8086 0.8106	0.8608	0.9116	Ave		0.846 6		0.0100	4.3		20.0				
Diethyl phthalate	1.2228	1.2231 1.2056	1.2355 1.0630	1.2169	1.2922	Ave		1.208 4		0.0100	5.8		20.0				
4-Chlorophenyl phenyl ether	0.6473	0.6372 0.6354	0.6251 0.6368	0.6412	0.6599	Ave		0.640 4		0.4000	1.7		20.0				
4-Nitroaniline	0.3073	0.2101 0.3062	0.2351 0.2892	0.2300	0.2895	Lin2	-0.04 9	0.294 8		0.0100	7.7			0.9930		0.9900	
Fluorene	1.1939 1.2526	1.2762 1.2079	1.2409 1.1661	1.2562	1.3062	Ave		1.237 5		0.9000	3.7		20.0				
4,6-Dinitro-2-methylphenol	0.1149	0.0586 0.1233	0.0800 0.1268	0.0935	0.1086	Lin2	-0.06 7	0.120 1		0.0100	6.4			0.9950		0.9900	
Diphenylamine	0.6008	0.5804 0.6146	0.5998 0.5858	0.6199	0.6212	Ave		0.603 2		0.0100	2.7		20.0				
N-Nitrosodiphenylamine	0.5137	0.4962 0.5255	0.5128 0.5008	0.5300	0.5311	Ave		0.515 7		0.0100	2.7		20.0				
1,2-Diphenylhydrazine	1.2251	1.2532 1.1708	1.2374 1.0910	1.2504	1.3120	Ave		1.220 0		0.0100	5.8		20.0				
trans-Azobenzene	0.7146	0.7458 0.7060	0.7247 0.6466	0.7505	0.7599	Ave		0.721 2		0.0100	5.3		20.0				
4-Bromophenyl phenyl ether	0.2127	0.2104 0.2263	0.2049 0.2281	0.2182	0.2194	Ave		0.217 2		0.1000	3.9		20.0				
Hexachlorobenzene	0.2531	0.2626 0.2669	0.2455 0.2668	0.2520	0.2595	Ave		0.258 0		0.1000	3.1		20.0				
Atrazine	0.3373	0.3387 +++++	0.3683 +++++	0.3606	0.4055	Ave		0.362 1		0.0100	7.7		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
n-Octadecane	0.5115	0.4704 0.5011	0.4764 0.4630	0.5202	0.5318	Ave		0.496 3		0.0100	5.4		20.0				
Pentachlorophenol	0.1449	0.0918 0.1568	0.1071 0.1558	0.1239	0.1379	Lin2	-0.06 6	0.150 0		0.0500	6.1			0.9950		0.9900	
Phenanthrene	1.1201 1.0433	1.0878 1.0061	1.0878 0.9525	1.1003	1.1187	Ave		1.064 6		0.7000	5.6		20.0				
Anthracene	1.0339 1.0230	1.0380 0.9696	1.0605 0.8613	1.1116	1.1063	Ave		1.025 5		0.7000	7.9		20.0				
Carbazole	0.7280	0.9233 0.7841	0.9230 0.7437	0.6843	0.6419	Lin1	0.071 1	0.734 6		0.0100	11.8			0.9940		0.9900	
Di-n-butyl phthalate	1.1266	1.0774 1.0356	1.1759 0.8911	1.1870	1.2259	Ave		1.102 8		0.0100	10.3		20.0				
Fluoranthene	1.0415 1.1127	1.0675 1.0607	1.1565 0.9445	1.1794	1.1800	Ave		1.092 8		0.6000	7.4		20.0				
Benzidine	0.3308	0.3639 0.3455	0.2754 0.3234	0.2379	0.2685	Ave		0.306 5		0.0100	15.1		20.0				
Pyrene	1.2273 1.2851	1.3518 1.2063	1.2963 1.0408	1.3471	1.3316	Ave		1.260 8		0.6000	8.2		20.0				
Butyl benzyl phthalate	0.5878	0.4630 0.5778	0.5480 0.5615	0.5418	0.5861	Lin2	-0.05 7	0.585 0		0.0100	2.9			0.9990		0.9900	
Bis(2-ethylhexyl) phthalate	0.8423	0.6011 0.8388	0.7301 0.7869	0.7748	0.8427	Lin2	-0.11 8	0.841 4		0.0100	3.2			0.9990		0.9900	
3,3'-Dichlorobenzidine	0.4181	0.4220 0.4413	0.4016 0.4176	0.3574	0.4108	Ave		0.409 8		0.0100	6.4		20.0				
Benzo[a]anthracene	1.2473 1.2766	1.2739 1.2276	1.2634 1.1555	1.2518	1.2817	Ave		1.247 2		0.8000	3.3		20.0				
Chrysene	1.2360 1.1986	1.2287 1.1417	1.1887 1.0513	1.2160	1.2355	Ave		1.187 1		0.7000	5.3		20.0				
Di-n-octyl phthalate	1.3684	0.9047 1.3798	1.1011 1.2570	1.1906	1.3441	Lin2	-0.23 2	1.354 0		0.0100	4.2			0.9980		0.9900	
Benzo[b]fluoranthene	1.0411 1.2166	1.1452 1.1959	1.2087 1.2001	1.1879	1.2108	Ave		1.175 8		0.7000	5.0		20.0				
Benzo[k]fluoranthene	1.0708 1.2039	1.1362 1.1953	1.2106 1.1368	1.1970	1.2578	Ave		1.176 1		0.7000	4.9		20.0				
Benzo[a]pyrene	0.8880 1.1683	1.0350 1.1381	1.0832 1.1217	1.1236	1.1648	Lin2	-0.03 3	1.139 7		0.7000	2.4			0.9990		0.9900	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Indeno[1,2,3-cd]pyrene	1.1233 1.3568	1.2265 1.3663	1.2618 1.3969	1.3037	1.3941	Lin2	-0.03 1	1.350 5		0.5000	3.6			0.9990		0.9900	
Dibenz(a,h)anthracene	0.9865 1.2214	1.1474 1.2142	1.1521 1.2355	1.1342	1.2080	Ave		1.162 4		0.4000	6.9	20.0					
Benzo[g,h,i]perylene	1.0318 1.1754	1.1296 1.2073	1.1430 1.2324	1.1548	1.2050	Ave		1.159 9		0.5000	5.4	20.0					
2-Fluorophenol (Surr)		1.2476 1.3016	1.2865 1.3221	1.3257	1.3186	Ave		1.302 3		0.0100	2.1	20.0					
Phenol-d5 (Surr)		1.5856 1.6457	1.6357 1.6839	1.6204	1.6409	Ave		1.636 4		0.0100	1.8	20.0					
Nitrobenzene-d5 (Surr)		0.3685 0.3997	0.3739 0.4006	0.3775	0.3964	Ave		0.387 1		0.0100	3.5	20.0					
2-Fluorobiphenyl (Surr)		1.3060 1.2914	1.2744 1.1872	1.2932	1.3063	Ave		1.266 5		0.0100	3.9	20.0					
2,4,6-Tribromophenol (Surr)		0.0997 0.1259	0.1059 0.1380	0.1137	0.1156	Lin2	-0.01 7	0.129 0		0.0100	6.4			0.9950		0.9900	
p-Terphenyl-d14 (Surr)		0.9941 1.0246	0.9766 0.8784	1.0007	1.0034	Ave		0.977 4		0.0100	4.9	20.0					

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-606072/3	W10018136.d
Level 2	IC 480-606072/4	W10018137.d
Level 3	IC 480-606072/5	W10018138.d
Level 4	IC 480-606072/6	W10018139.d
Level 5	ICIS 480-606072/7	W10018140.d
Level 6	IC 480-606072/8	W10018141.d
Level 7	IC 480-606072/9	W10018142.d
Level 8	IC 480-606072/10	W10018143.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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave		15301	34810	64872	130822		0.500	1.00	2.00	4.00
			261461	394538	534393			8.00	12.0	16.0		
N-Nitrosodimethylamine	DCBd 4	Ave		18763	38495	77377	161762		0.500	1.00	2.00	4.00
			311761	469847	630628			8.00	12.0	16.0		
Pyridine	DCBd 4	Ave		51098	110858	223935	456069		1.00	2.00	4.00	8.00
			930045	1393527	1881074			16.0	24.0	32.0		
Benzaldehyde	DCBd 4	Ave		58233	122140	252135	584751		1.00	2.00	4.00	8.00
			946704	+++++	+++++			16.0	+++++	+++++		
Phenol	DCBd 4	Ave		45360	99117	197083	411028		0.500	1.00	2.00	4.00
			803036	1250586	1686812			8.00	12.0	16.0		
Aniline	DCBd 4	Ave		53573	116855	236200	479583		0.500	1.00	2.00	4.00
			975513	1458627	1974628			8.00	12.0	16.0		
Bis(2-chloroethyl) ether	DCBd 4	Ave		40291	80808	171541	352472		0.500	1.00	2.00	4.00
			655681	1045203	1447231			8.00	12.0	16.0		
2-Chlorophenol	DCBd 4	Ave		33829	78248	157681	326438		0.500	1.00	2.00	4.00
			649995	992949	1376766			8.00	12.0	16.0		
n-Decane	DCBd 4	Ave		46986	101161	201862	409755		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

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
			803642	1218075	1627539			8.00	12.0	16.0		
1,3-Dichlorobenzene	DCBd 4	Ave		41941	91464	175526	362490		0.500	1.00	2.00	4.00
			708828	1092177	1501807			8.00	12.0	16.0		
1,4-Dichlorobenzene	DCBd 4	Ave		43461	90008	178550	374450		0.500	1.00	2.00	4.00
			733630	1104835	1536201			8.00	12.0	16.0		
Benzyl alcohol	DCBd 4	Ave		21353	46507	98935	209471		0.500	1.00	2.00	4.00
			417451	650443	904299			8.00	12.0	16.0		
1,2-Dichlorobenzene	DCBd 4	Ave		40013	85642	168323	347472		0.500	1.00	2.00	4.00
			678994	1063081	1447686			8.00	12.0	16.0		
2-Methylphenol	DCBd 4	Ave		31917	69649	143765	299542		0.500	1.00	2.00	4.00
			588163	907933	1247728			8.00	12.0	16.0		
bis (2-chloroisopropyl) ether	DCBd 4	Ave		58959	118272	239536	484029		0.500	1.00	2.00	4.00
			925031	1367262	1834969			8.00	12.0	16.0		
Indene	NPT	Ave		341404	711083	1422695	2750597		2.50	5.00	10.0	20.0
			4383961	+++++	+++++			40.0	+++++	+++++		
4-Methylphenol	DCBd 4	Ave		32483	71316	148426	311062		0.500	1.00	2.00	4.00
			621361	965838	1301894			8.00	12.0	16.0		
N-Nitrosodi-n-propylamine	DCBd 4	Ave		23876	49898	102820	218521		0.500	1.00	2.00	4.00
			442126	682030	938507			8.00	12.0	16.0		
Acetophenone	DCBd 4	Ave		49290	105710	214307	448729		0.500	1.00	2.00	4.00
			878581	1360181	1854105			8.00	12.0	16.0		
Hexachloroethane	DCBd 4	Ave		16021	33911	67731	143527		0.500	1.00	2.00	4.00
			290490	452245	621680			8.00	12.0	16.0		
Nitrobenzene	NPT	Ave		36442	76359	161732	339911		0.500	1.00	2.00	4.00
			674421	1033648	1424605			8.00	12.0	16.0		
Isophorone	NPT	Ave		65689	139864	301728	637428		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

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
			1254016	1899115	2541755			8.00	12.0	16.0		
2-Nitrophenol	NPT	Lin2	332143	13714 526398	30931 735817	72234	159980	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	655389	36919 1019711	75320 1392636	156459	333114	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	780869	45300 1200364	91152 1622545	189771	404008	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin1	2273964	54765 3619355	146149 5253090	387496	1021288	40.0	2.50 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	553826	28356 859809	60998 1180064	130595	277037	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	600505	33715 924066	71792 1281912	146041	306139	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Ave	29202 1894773	116742 2676315	235100 3506263	480429	992198	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	726106	42407 1152411	88825 1604343	166210	344075	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	545314	29610 844974	59942 1170948	131936	279406	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	389131	20437 614259	46435 859306	93727	195921	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	390736	18139 595729	41205 792760	91320	207334	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	538428	28404 842180	57976 1154936	129838	269770	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	17913 1266202	73654 1910374	149389 2540475	317323	661332	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	16806 1174296	67193 1774827	134819 2350965	290813	602538	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	432007	22592 683394	45838 926958	103198	213352	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	604731	34594 939219	67205 1306035	149374	309119	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	409658	19750 658221	43711 919131	96988	201032	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Lin2		19948	40106	92806	201823		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

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
			414027	635004	872787			8.00	12.0	16.0		
Biphenyl	ANT	Ave	1512795	88652 2281282	175364 2943454	381563	787485	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1193087	67259 1827227	135619 2404409	295485	606452	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	344345	14467 545304	32449 754732	76605	169012	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1334841	73834 1837005	149180 2372881	326580	661213	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	202850	7118 326730	16615 467887	41082	95914	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	295433	12267 476697	30156 614590	69949	149673	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Lin2	22257 1772180	98122 2577771	203297 3288214	447771	930960	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	317360	13374 503494	29505 691945	67598	151979	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin1	308390	6504 510831	20313 757004	54114	136435	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Acenaphthene	ANT	Ave	16972 1197016	70733 1811760	136822 2392272	292560	625059	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitrophenol	ANT	Lin2	363361	11803 584263	32320 809779	81206	178940	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	393974	16100 620594	35407 862616	85092	190705	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	1620889	94186 2395130	185331 3082532	401420	847063	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	331651	14352 538010	31476 755704	74553	162238	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexadecane	ANT	Ave	925718	50654 1396298	98985 1838010	225572	476301	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1306068	74397 2015187	151250 2410218	318893	675134	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	691345	38758 1062092	76525 1443810	168027	344767	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitroaniline	ANT	Lin2		12783	28776	60265	151250		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

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
			328171	511899	655760			8.00	12.0	16.0		
Fluorene	ANT	Ave	17669 1337852	77630 2019069	151908 2644033	329172	682488	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Lin2	420755	11986 683587	33458 970149	81652	195850	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Diphenylamine	PHN	Ave	940523	50720 1456857	107187 1915976	231402	479132	6.84	0.428 10.3	0.855 13.7	1.71	3.42
N-Nitrosodiphenylamine	PHN	Ave	940523	50720 1456857	107187 1915976	231402	479132	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2-Diphenylhydrazine	ANT	Ave	1308469	76232 1957157	151481 2473710	327668	685471	8.00	0.500 12.0	1.00 16.0	2.00	4.00
trans-Azobenzene	PHN	Ave	1308469	76232 1957157	151481 2473710	327668	685471	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	389539	21509 627342	42832 872437	95280	197920	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	463379	26837 739850	51310 1020499	110039	234130	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Atrazine	ANT	Ave	720634	41200 +++++	90176 +++++	188996	423737	16.0	1.00 +++++	2.00 +++++	4.00	8.00
n-Octadecane	PHN	Ave	936617	48085 1389177	99571 1771140	227093	479719	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Pentachlorophenol	PHN	Lin2	530561	18767 869353	44785 1192318	108221	248763	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Phenanthrene	PHN	Ave	1910333	27517 2789180	227362 3643796	480376	1009223	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Anthracene	PHN	Ave	1873157	25399 2688130	106093 3294850	485299	998029	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Carbazole	PHN	Lin1	1332979	94367 2173648	192925 2845176	298756	579087	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	2062903	110120 2870861	245780 3408982	518250	1105871	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Fluoranthene	PHN	Ave	2037498	25584 2940500	109110 3613195	514894	1064513	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzidine	CRY	Ave	1073245	64664 1735119	105364 2329738	186667	438061	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Pyrene	CRY	Ave	26360	120103	247943	528583	1086100	0.125	0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

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
			2084962	3029409	3748533			8.00	12.0	16.0		
Butyl benzyl phthalate	CRY	Lin2	953670	41132 1451003	104814 2022092	212603	478041	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Lin2	1366495	53407 2106510	139641 2833930	304002	687366	8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	1356635	74992 2216215	153613 3008115	280455	670142	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzo[a]anthracene	CRY	Ave	26789 2071097	113174 3082896	241649 4161564	491153	1045446	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Ave	26546 1944595	109161 2867092	227360 3786360	477124	1007743	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Lin2	2220046	80380 3464934	210606 4527161	467150	1096319	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	22544 1979036	100571 3080024	224967 4299726	462411	978117	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	23189 1958328	99778 3078505	225319 4072828	465951	1016041	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[a]pyrene	PRY	Lin2	19230 1900405	90895 2930987	201607 4018628	437346	940889	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Lin2	24325 2207079	107712 3518833	234856 5004624	507470	1126159	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	21362 1986810	100763 3127030	214436 4426370	441495	975811	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	22343 1911974	99197 3109405	212743 4415219	449499	973420	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	620595	33444 946571	73286 1283414	152315	302256	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	777411	42504 1194690	93178 1634680	186174	376148	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	742951	39310 1164365	82858 1605639	173512	362218	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl (Surr)	ANT	Ave	1379373	79442 2017741	156020 2691890	338872	682540	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Tribromophenol (Surr)	PHN	Lin2		10187	22136	49637	104287		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

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
			230557	373670	527956			8.00	12.0	16.0		
p-Terphenyl-d14 (Surr)	CRY	Ave	1662254	2421219	3163641	392637	818443	8.00	0.500	1.00	2.00	4.00

Curve Type Legend

<p>Ave = Average ISTD Lin1 = Linear 1/conc ISTD Lin2 = Linear 1/conc^2 ISTD</p>

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-606072/3	W10018136.d
Level 2	IC 480-606072/4	W10018137.d
Level 3	IC 480-606072/5	W10018138.d
Level 4	IC 480-606072/6	W10018139.d
Level 5	ICIS 480-606072/7	W10018140.d
Level 6	IC 480-606072/8	W10018141.d
Level 7	IC 480-606072/9	W10018142.d
Level 8	IC 480-606072/10	W10018143.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
1,4-Dioxane	-4.2	0.8 -2.8	7.9	-0.3	0.8	-2.3	30	30	30	30	30	30
N-Nitrosodimethylamine	-4.0	4.0 -3.5	0.4	0.1	4.9	-1.9	30	30	30	30	30	30
Pyridine	-1.5	-2.0 -0.4	0.1	0.2	2.3	1.2	30	30	30	30	30	30
Benzaldehyde	+++++	-1.8 +++++	-3.1	-0.8	15.3	-9.5		30	30	30	30	30
Phenol	-0.5	-2.1 0.5	0.7	-0.7	3.8	-1.6	30	30	30	30	30	30
Aniline	-1.8	-2.2 -0.4	0.4	0.6	2.4	1.1	30	30	30	30	30	30
Bis(2-chloroethyl)ether	-2.0	2.5 1.6	-3.3	1.8	4.8	-5.4	30	30	30	30	30	30
2-Chlorophenol	-0.4	-7.9 3.5	0.2	0.2	3.9	0.4	30	30	30	30	30	30
n-Decane	-3.3	1.2 -3.2	2.5	1.4	3.2	-1.8	30	30	30	30	30	30
1,3-Dichlorobenzene	-2.9	1.1 0.0	3.8	-1.2	2.2	-3.0	30	30	30	30	30	30
1,4-Dichlorobenzene	-3.7	2.8 0.3	0.2	-1.5	3.5	-1.6	30	30	30	30	30	30
Benzyl alcohol	2.7	-8.6 6.9	-6.3	-1.1	4.9	1.4	30	30	30	30	30	30
1,2-Dichlorobenzene	-1.3	0.8 0.7	1.5	-1.1	2.3	-3.0	30	30	30	30	30	30
2-Methylphenol	-0.1	-4.7 2.8	-2.2	0.1	4.5	-0.4	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
bis (2-chloroisopropyl) ether	-7.3	8.4 -6.8	2.3	2.8	4.1	-3.5	30	30	30	30	30	30
Indene	+++++	7.9 +++++	8.2	4.3	1.5	-21.8		30	30	30	30	30
4-Methylphenol	2.2	-6.8 3.2	-3.7	-0.6	4.4	1.2	30	30	30	30	30	30
N-Nitrosodi-n-propylamine	1.7	-3.4 4.8	-5.0	-3.0	3.4	1.5	30	30	30	30	30	30
Acetophenone	-0.5	-2.2 1.6	-1.3	-0.8	4.1	-1.1	30	30	30	30	30	30
Hexachloroethane	1.6	-2.4 4.6	-2.8	-3.7	2.3	0.4	30	30	30	30	30	30
Nitrobenzene	0.3	-3.5 0.4	-2.6	-0.6	5.1	0.8	30	30	30	30	30	30
Isophorone	0.3	-5.3 -2.4	-2.9	1.0	7.3	2.0	30	30	30	30	30	30
2-Nitrophenol	2.0	3.8 3.3	-6.1	-4.4	1.6	-0.1	30	30	30	30	30	30
2,4-Dimethylphenol	0.6	-0.5 -0.1	-2.3	-2.2	4.8	-0.4	30	30	30	30	30	30
Bis (2-chloroethoxy)methane	-1.2	1.8 -3.0	-1.4	-1.1	6.0	-1.0	30	30	30	30	30	30
Benzoic acid	-0.6	23.4 3.8	-7.2	-14.0	-3.3	-2.0	30	30	30	30	30	30
2,4-Dichlorophenol	2.7	-7.5 2.5	-4.2	-1.1	5.5	2.0	30	30	30	30	30	30
1,2,4-Trichlorobenzene	-1.2	-1.6 -0.4	0.9	-1.0	4.4	-1.1	30	30	30	30	30	30
Naphthalene	8.2 -10.3	6.9 -14.5	3.6	2.1	6.1	-2.1	30 30	30 30	30	30	30	30
4-Chloroaniline	1.9	2.4 3.1	3.3	-6.8	-3.0	-1.0	30	30	30	30	30	30
2,6-Dichlorophenol	0.9	-3.4 1.7	-5.9	-0.1	6.4	0.4	30	30	30	30	30	30
Hexachlorobutadiene	1.8	-7.5 3.5	1.1	-1.6	3.5	-0.7	30	30	30	30	30	30
Caprolactam	-1.9	0.1 -5.3	-1.9	-0.7	10.3	-0.5	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
4-Chloro-3-methylphenol	2.8	-5.3 2.5	-6.9	0.5	5.0	1.3	30	30	30	30	30	30
2-Methylnaphthalene	0.3 -3.2	2.0 -6.4	-0.4	1.9	6.9	-1.1	30 30	30 30	30	30	30	30
1-Methylnaphthalene	2.3 -2.2	1.1 -5.9	-2.4	1.5	5.8	-0.3	30 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	3.3	-6.1 3.3	-5.4	-0.5	3.2	2.2	30	30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-1.3	-0.1 1.2	-3.5	0.2	4.0	-0.5	30	30	30	30	30	30
2,4,6-Trichlorophenol	0.4	0.7 3.2	-0.4	-1.7	-0.3	-1.8	30	30	30	30	30	30
2,4,5-Trichlorophenol	-0.2	3.2 0.9	-5.8	-3.2	2.9	2.2	30	30	30	30	30	30
Biphenyl	-3.8	2.7 -8.5	1.0	2.6	6.2	-0.2	30	30	30	30	30	30
2-Chloronaphthalene	-1.6	-0.4 -4.5	-0.2	1.6	4.5	0.6	30	30	30	30	30	30
2-Nitroaniline	0.6	2.6 2.3	-4.2	-3.5	2.2	0.0	30	30	30	30	30	30
Dimethyl phthalate	-7.8	1.9 -12.2	2.3	4.6	6.2	4.9	30	30	30	30	30	30
1,3-Dinitrobenzene	3.3	6.1 7.0	-9.3	-7.7	0.7	-0.1	30	30	30	30	30	30
2,6-Dinitrotoluene	1.1	-0.8 -4.2	0.6	0.7	3.9	-1.3	30	30	30	30	30	30
Acenaphthylene	-0.8 -5.7	0.3 -11.4	2.3	4.8	9.0	1.4	30 30	30 30	30	30	30	30
3-Nitroaniline	2.0	3.4 3.0	-4.5	-6.2	1.0	1.3	30	30	30	30	30	30
2,4-Dinitrophenol	-1.4	23.8 6.4	-3.2	-13.3	-7.6	-4.7	30	30	30	30	30	30
Acenaphthene	1.9 -3.7	3.4 -6.2	-0.7	-0.8	6.3	-0.4	30 30	30 30	30	30	30	30
4-Nitrophenol	0.1	1.3 1.8	-2.4	-1.3	2.0	-1.5	30	30	30	30	30	30
2,4-Dinitrotoluene	0.9	3.8 3.1	-6.0	-4.7	2.0	1.0	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dibenzofuran	-4.7	3.0 -9.6	0.7	1.9	7.8	0.9	30	30 30	30	30	30	30
2,3,4,6-Tetrachlorophenol	1.6	3.3 4.8	-5.0	-3.9	0.5	-1.3	30	30 30	30	30	30	30
Hexadecane	-1.3	-1.6 -4.3	-4.5	1.7	7.7	2.4	30	30 30	30	30	30	30
Diethyl phthalate	-0.2	1.2 -12.0	2.2	0.7	6.9	1.2	30	30 30	30	30	30	30
4-Chlorophenyl phenyl ether	-0.8	-0.5 -0.6	-2.4	0.1	3.0	1.1	30	30 30	30	30	30	30
4-Nitroaniline	5.3	4.4 -0.9	-3.7	-13.7	2.3	6.3	30	30 30	30	30	30	30
Fluorene	-3.5 -2.4	3.1 -5.8	0.3	1.5	5.6	1.2	30 30	30 30	30	30	30	30
4,6-Dinitro-2-methylphenol	5.0	4.7 7.3	-5.4	-8.2	-2.6	-0.8	30	30 30	30	30	30	30
Diphenylamine	1.9	-3.8 -2.9	-0.6	2.8	3.0	-0.4	30	30 30	30	30	30	30
N-Nitrosodiphenylamine	1.9	-3.8 -2.9	-0.6	2.8	3.0	-0.4	30	30 30	30	30	30	30
1,2-Diphenylhydrazine	-4.0	2.7 -10.6	1.4	2.5	7.5	0.4	30	30 30	30	30	30	30
trans-Azobenzene	-2.1	3.4 -10.3	0.5	4.1	5.4	-0.9	30	30 30	30	30	30	30
4-Bromophenyl phenyl ether	4.2	-3.1 5.0	-5.6	0.5	1.0	-2.0	30	30 30	30	30	30	30
Hexachlorobenzene	3.4	1.8 3.4	-4.9	-2.3	0.6	-1.9	30	30 30	30	30	30	30
Atrazine	+++++	-6.5 +++++	1.7	-0.4	12.0	-6.8		30	30	30	30	30
n-Octadecane	1.0	-5.2 -6.7	-4.0	4.8	7.1	3.1	30	30 30	30	30	30	30
Pentachlorophenol	6.3	4.9 5.2	-6.7	-6.5	-2.6	-0.7	30	30 30	30	30	30	30
Phenanthrene	5.2 -5.5	2.2 -10.5	2.2	3.4	5.1	-2.0	30 30	30 30	30	30	30	30
Anthracene	0.8 -5.4	1.2 -16.0	3.4	8.4	7.9	-0.2	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 TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

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ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Carbazole	5.9	6.3 0.6	16.0	-11.7	-15.0	-2.1	30	30	30	30	30	30
Di-n-butyl phthalate	-6.1	-2.3 -19.2	6.6	7.6	11.2	2.2	30	30	30	30	30	30
Fluoranthene	-4.7 -2.9	-2.3 -13.6	5.8	7.9	8.0	1.8	30 30	30	30	30	30	30
Benzidine	12.7	18.7 5.5	-10.1	-22.4	-12.4	7.9	30	30	30	30	30	30
Pyrene	-2.7 -4.3	7.2 -17.4	2.8	6.8	5.6	1.9	30 30	30	30	30	30	30
Butyl benzyl phthalate	-0.4	-1.4 -3.4	3.4	-2.5	2.6	1.7	30	30	30	30	30	30
Bis(2-ethylhexyl) phthalate	0.9	-0.6 -5.6	0.8	-0.9	3.7	1.9	30	30	30	30	30	30
3,3'-Dichlorobenzidine	7.7	3.0 1.9	-2.0	-12.8	0.2	2.0	30	30	30	30	30	30
Benzo[a]anthracene	0.0 -1.6	2.1 -7.4	1.3	0.4	2.8	2.4	30 30	30	30	30	30	30
Chrysene	4.1 -3.8	3.5 -11.4	0.1	2.4	4.1	1.0	30 30	30	30	30	30	30
Di-n-octyl phthalate	3.3	1.1 -6.1	-1.6	-3.5	3.6	3.2	30	30	30	30	30	30
Benzo[b]fluoranthene	-11.5 1.7	-2.6 2.1	2.8	1.0	3.0	3.5	30 30	30	30	30	30	30
Benzo[k]fluoranthene	-8.9 1.6	-3.4 -3.3	2.9	1.8	7.0	2.4	30 30	30	30	30	30	30
Benzo[a]pyrene	1.0 0.1	-3.4 -1.4	-2.1	0.0	2.9	2.9	30 30	30	30	30	30	30
Indeno[1,2,3-cd]pyrene	1.6 1.4	-4.6 3.6	-4.3	-2.3	3.8	0.8	30 30	30	30	30	30	30
Dibenz(a,h)anthracene	-15.1 4.5	-1.3 6.3	-0.9	-2.4	3.9	5.1	30 30	30	30	30	30	30
Benzo[g,h,i]perylene	-11.0 4.1	-2.6 6.2	-1.5	-0.4	3.9	1.3	30 30	30	30	30	30	30
2-Fluorophenol (Surr)	0.0	-4.2 1.5	-1.2	1.8	1.3	0.9	30	30	30	30	30	30
Phenol-d5 (Surr)	0.4	-3.1 2.9	0.0	-1.0	0.3	0.6	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 606072

SDG No.: _____

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/22/2021 15:02 Calibration End Date: 11/22/2021 18:14 Calibration ID: 42749

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Nitrobenzene-d5 (Surr)	3.3	-4.8 3.5	-3.4	-2.5	2.4	1.5	30	30 30	30	30	30	30
2-Fluorobiphenyl (Surr)	-4.7	3.1 -6.3	0.6	2.1	3.1	2.0	30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	5.6	4.0 7.8	-4.5	-5.2	-7.0	-0.7	30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	-1.4	1.7 -10.1	-0.1	2.4	2.7	4.8	30	30 30	30	30	30	30

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018136.d
 Lims ID: IC L1 .125
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 22-Nov-2021 15:02:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-003
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:07:44 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:13:33

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	6.574	6.579	-0.005	97	217393	4.00	4.00	
* 2 Naphthalene-d8	136	7.663	7.669	-0.006	100	843545	4.00	4.00	
* 3 Acenaphthene-d10	164	9.149	9.154	-0.005	93	473573	4.00	4.00	
* 4 Phenanthrene-d10	188	10.409	10.409	0.000	97	786103	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	687273	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	692959	4.00	4.00	
76 Naphthalene	128	7.685	7.685	0.000	95	29202	0.1250	0.1353	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	93	17913	0.1250	0.1254	
91 1-Methylnaphthalene	142	8.347	8.353	-0.006	91	16806	0.1250	0.1279	
107 Acenaphthylene	152	9.031	9.036	-0.005	98	22257	0.1250	0.1240	
109 Acenaphthene	153	9.175	9.181	-0.006	95	16972	0.1250	0.1274	
123 Fluorene	166	9.608	9.608	0.000	93	17669	0.1250	0.1206	
149 Phenanthrene	178	10.425	10.431	-0.006	97	27517	0.1250	0.1315	
150 Anthracene	178	10.468	10.473	-0.005	97	25399	0.1250	0.1260	
161 Fluoranthene	202	11.472	11.472	0.000	97	25584	0.1250	0.1191	
165 Pyrene	202	11.707	11.708	-0.001	97	26360	0.1250	0.1217	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	97	26789	0.1250	0.1250	
181 Chrysene	228	13.177	13.177	0.000	96	26546	0.1250	0.1302	
186 Benzo[b]fluoranthene	252	14.742	14.747	-0.005	97	22544	0.1250	0.1107	
187 Benzo[k]fluoranthene	252	14.779	14.785	-0.006	97	23189	0.1250	0.1138	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	76	19230	0.1250	0.1262	
193 Indeno[1,2,3-cd]pyrene	276	17.205	17.210	-0.005	95	24325	0.1250	0.1271	
194 Dibenz(a,h)anthracene	278	17.221	17.226	-0.005	86	21362	0.1250	0.1061	
195 Benzo[g,h,i]perylene	276	17.750	17.755	-0.005	97	22343	0.1250	0.1112	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00508

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018136.d

Injection Date: 22-Nov-2021 15:02:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: IC L1 .125

Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul

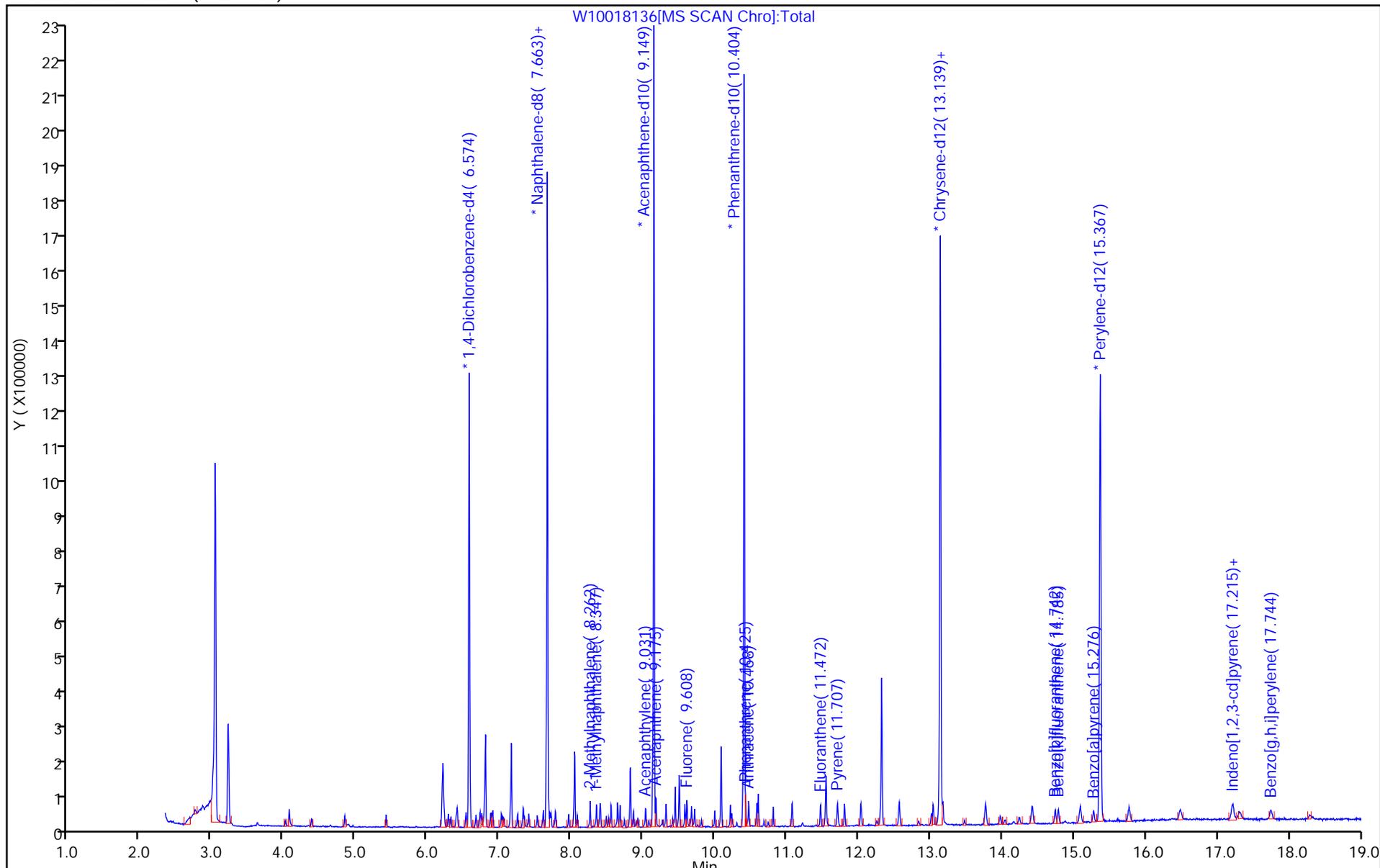
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018137.d
 Lims ID: IC L1 .5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 22-Nov-2021 15:29:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-004
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:07:47 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:14:32

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	6.574	6.579	-0.005	97	214446	4.00	4.00	
* 2 Naphthalene-d8	136	7.663	7.669	-0.006	100	853329	4.00	4.00	
* 3 Acenaphthene-d10	164	9.149	9.154	-0.005	94	486628	4.00	4.00	
* 4 Phenanthrene-d10	188	10.409	10.409	0.000	97	817689	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	710748	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	702557	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	92	33444	0.5000	0.4790	
\$ 8 Phenol-d5	99	6.216	6.221	-0.005	98	42504	0.5000	0.4845	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	90	39310	0.5000	0.4760	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	100	79442	0.5000	0.5156	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.811	0.000	92	10187	0.5000	0.5200	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	88320	0.5000	0.5085	
14 1,4-Dioxane	88	3.619	3.619	0.000	98	15301	0.5000	0.5040	
15 N-Nitrosodimethylamine	42	4.009	4.009	0.000	93	18763	0.5000	0.5201	
16 Pyridine	52	4.057	4.057	0.000	91	51098	1.00	0.9802	
36 Benzaldehyde	77	6.200	6.200	0.000	94	58233	1.00	0.9816	
37 Phenol	94	6.232	6.232	0.000	97	45360	0.5000	0.4896	
38 Aniline	93	6.285	6.285	0.000	98	53573	0.5000	0.4891	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	96	40291	0.5000	0.5123	
41 2-Chlorophenol	128	6.397	6.397	0.000	97	33829	0.5000	0.4605	
43 n-Decane	57	6.408	6.408	0.000	93	46986	0.5000	0.5059	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	98	41941	0.5000	0.5057	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	94	43461	0.5000	0.5138	
46 Benzyl alcohol	108	6.670	6.675	-0.005	92	21353	0.5000	0.4572	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	40013	0.5000	0.5039	
49 2-Methylphenol	108	6.750	6.755	-0.005	94	31917	0.5000	0.4763	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	93	58959	0.5000	0.5421	
48 Indene	115	6.803	6.803	0.000	90	341404	2.50	2.70	
56 4-Methylphenol	108	6.878	6.878	0.000	94	32483	0.5000	0.4662	
55 N-Nitrosodi-n-propylamine	70	6.889	6.894	-0.005	93	23876	0.5000	0.4829	
53 Acetophenone	105	6.905	6.905	0.000	96	49290	0.5000	0.4891	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.022	7.022	0.000	94	16021	0.5000	0.4881	
61 Nitrobenzene	77	7.060	7.060	0.000	89	36442	0.5000	0.4827	
63 Isophorone	82	7.252	7.252	0.000	99	65689	0.5000	0.4737	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	93	36919	0.5000	0.4975	
67 2-Nitrophenol	139	7.332	7.332	0.000	66	13714	0.5000	0.5190	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	98	45300	0.5000	0.5089	
72 Benzoic acid	105	7.364	7.423	-0.059	84	54765	2.50	3.08	a
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	93	28356	0.5000	0.4627	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	93	33715	0.5000	0.4922	
76 Naphthalene	128	7.685	7.685	0.000	98	116742	0.5000	0.5345	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	42407	0.5000	0.5122	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	96	29610	0.5000	0.4830	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	20437	0.5000	0.4623	
84 Caprolactam	113	7.968	8.000	-0.032	79	18139	1.00	1.00	
87 4-Chloro-3-methylphenol	107	8.085	8.085	0.000	97	28404	0.5000	0.4736	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	93	73654	0.5000	0.5098	
91 1-Methylnaphthalene	142	8.347	8.353	-0.006	92	67193	0.5000	0.5055	
93 Hexachlorocyclopentadiene	237	8.395	8.401	-0.006	95	22592	0.5000	0.4693	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	97	34594	0.5000	0.4997	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	93	19750	0.5000	0.5033	
95 2,4,5-Trichlorophenol	196	8.518	8.524	-0.006	96	19948	0.5000	0.5158	
97 1,1'-Biphenyl	154	8.646	8.646	0.000	95	88652	0.5000	0.5136	
98 2-Chloronaphthalene	162	8.678	8.678	0.000	96	67259	0.5000	0.4979	
100 2-Nitroaniline	65	8.737	8.743	-0.006	83	14467	0.5000	0.5130	
104 Dimethyl phthalate	163	8.865	8.865	0.000	99	73834	0.5000	0.5094	
105 1,3-Dinitrobenzene	168	8.903	8.908	-0.005	85	7118	0.5000	0.5307	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	93	12267	0.5000	0.4961	
107 Acenaphthylene	152	9.036	9.036	0.000	98	98122	0.5000	0.5017	
108 3-Nitroaniline	138	9.079	9.084	-0.005	95	13374	0.5000	0.5170	
110 2,4-Dinitrophenol	184	9.165	9.165	0.000	78	6504	1.00	1.24	
109 Acenaphthene	153	9.181	9.181	0.000	94	70733	0.5000	0.5168	
111 4-Nitrophenol	109	9.181	9.186	-0.005	91	11803	1.00	1.01	
113 2,4-Dinitrotoluene	165	9.271	9.271	0.000	94	16100	0.5000	0.5188	
114 Dibenzofuran	168	9.320	9.320	0.000	96	94186	0.5000	0.5149	
117 2,3,4,6-Tetrachlorophenol	232	9.410	9.416	-0.006	72	14352	0.5000	0.5163	
120 Hexadecane	57	9.448	9.448	0.000	72	50654	0.5000	0.4918	
119 Diethyl phthalate	149	9.448	9.453	-0.005	98	74397	0.5000	0.5061	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	93	38758	0.5000	0.4975	
125 4-Nitroaniline	138	9.592	9.597	-0.005	85	12783	0.5000	0.5220	
123 Fluorene	166	9.608	9.608	0.000	95	77630	0.5000	0.5156	
126 4,6-Dinitro-2-methylphenol	198	9.619	9.624	-0.005	90	11986	1.00	1.05	
128 Diphenylamine	169	9.672	9.677	-0.005	94	50720	0.4275	0.4113	
129 N-Nitrosodiphenylamine	169	9.672	9.677	-0.005	98	50720	0.5000	0.4811	
130 1,2-Diphenylhydrazine	77	9.715	9.720	-0.005	100	76232	0.5000	0.5136	
131 Azobenzene	77	9.715	9.720	-0.005	98	76232	0.5000	0.5171	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	65	21509	0.5000	0.4845	
138 Hexachlorobenzene	284	10.083	10.089	-0.006	92	26837	0.5000	0.5088	
141 Atrazine	200	10.089	10.094	-0.005	92	41200	1.00	0.9353	
146 n-Octadecane	57	10.212	10.212	0.000	94	48085	0.5000	0.4739	
143 Pentachlorophenol	266	10.233	10.233	0.000	92	18767	1.00	1.05	
149 Phenanthrene	178	10.425	10.431	-0.006	98	111188	0.5000	0.5109	
150 Anthracene	178	10.468	10.473	-0.005	98	106093	0.5000	0.5061	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	95	94367	0.5000	0.5316	a
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	110120	0.5000	0.4885	
161 Fluoranthene	202	11.472	11.472	0.000	98	109110	0.5000	0.4884	
164 Benzidine	184	11.553	11.553	0.000	99	64664	1.00	1.19	
165 Pyrene	202	11.708	11.708	0.000	98	120103	0.5000	0.5361	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	97	41132	0.5000	0.4931	
180 Bis(2-ethylhexyl) phthalate	149	13.016	13.016	0.000	97	53407	0.5000	0.4971	
177 3,3'-Dichlorobenzidine	252	13.043	13.043	0.000	73	74992	1.00	1.03	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	97	113174	0.5000	0.5107	
181 Chrysene	228	13.177	13.177	0.000	96	109161	0.5000	0.5175	
184 Di-n-octyl phthalate	149	13.973	13.973	0.000	99	80380	0.5000	0.5053	
186 Benzo[b]fluoranthene	252	14.742	14.747	-0.005	97	100571	0.5000	0.4870	
187 Benzo[k]fluoranthene	252	14.785	14.785	0.000	99	99778	0.5000	0.4830	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	77	90895	0.5000	0.4829	
193 Indeno[1,2,3-cd]pyrene	276	17.205	17.210	-0.005	97	107712	0.5000	0.4772	
194 Dibenz(a,h)anthracene	278	17.221	17.226	-0.005	90	100763	0.5000	0.4935	
195 Benzo[g,h,i]perylene	276	17.744	17.755	-0.011	98	99197	0.5000	0.4869	
S 262 Total Cresols	1				0			0.9425	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00509

Amount Added: 1.00

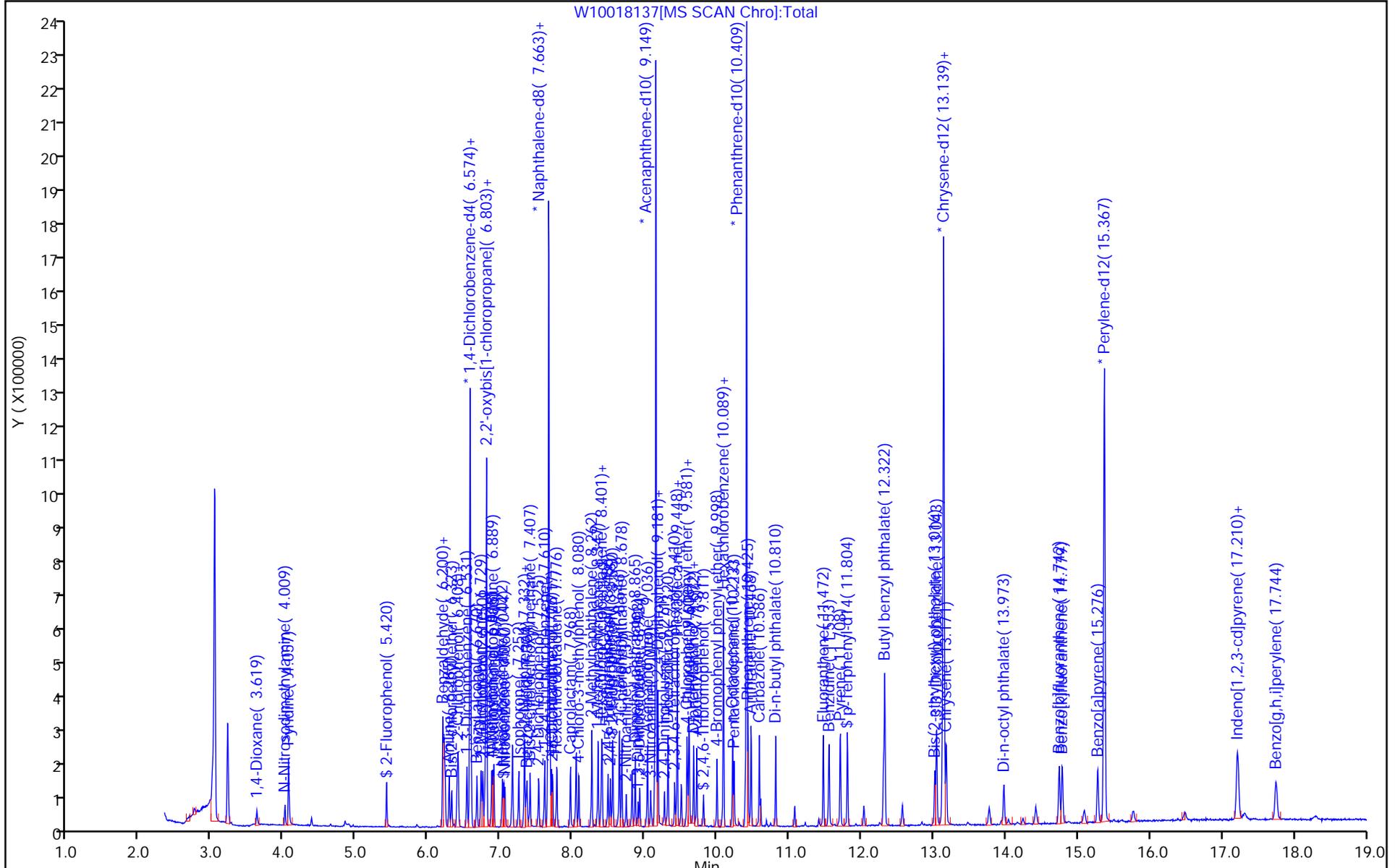
Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent



Euofins TestAmerica, Buffalo

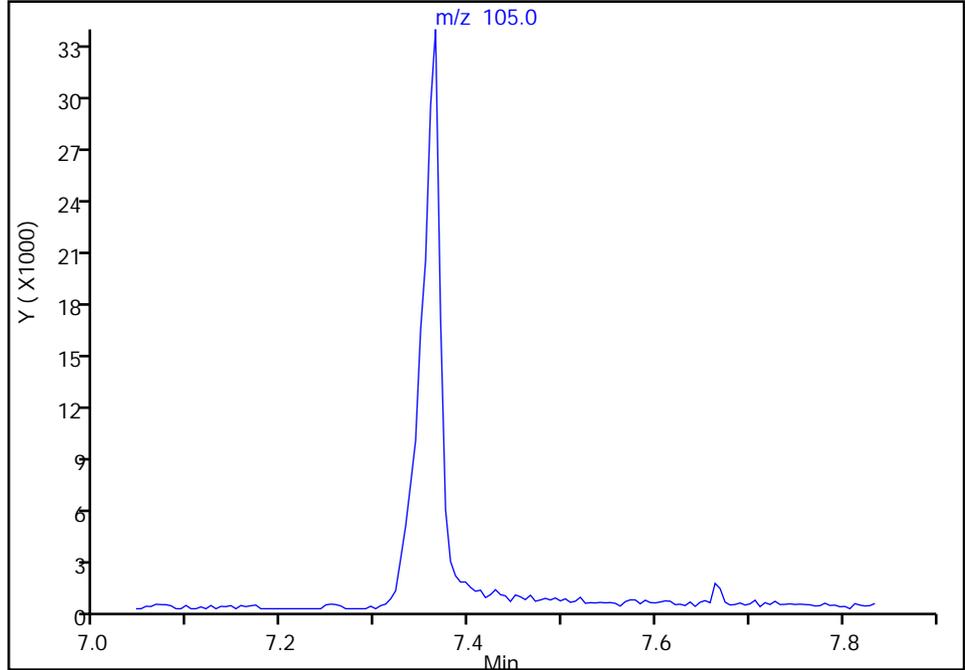
Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102624.b\W10018137.d
Injection Date: 22-Nov-2021 15:29:30 Instrument ID: HP5973W
Lims ID: IC L1 .5
Client ID:
Operator ID: PJQ ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

72 Benzoic acid, CAS: 65-85-0

Signal: 1

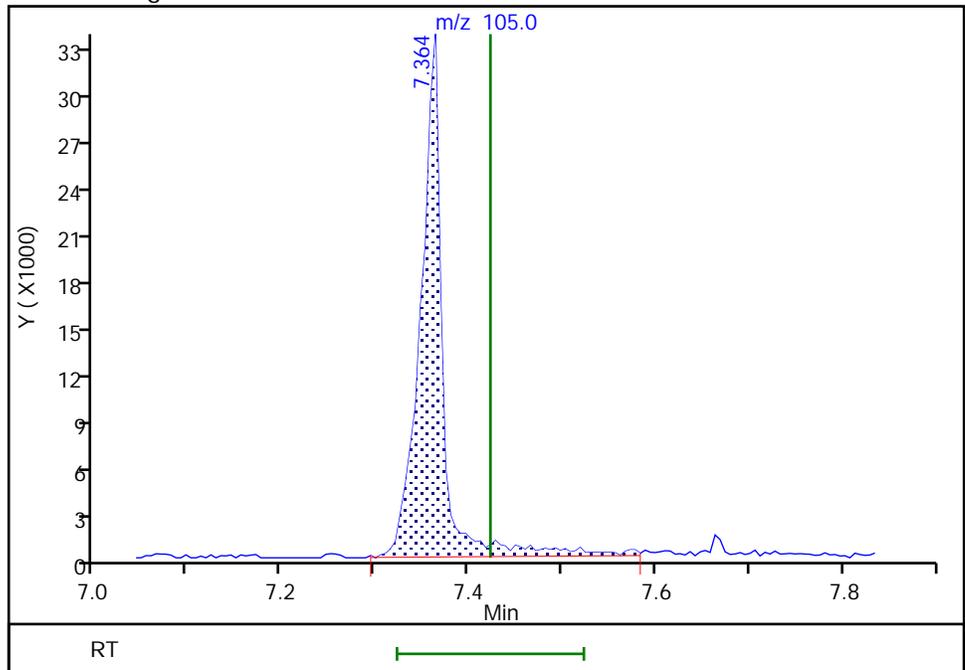
Not Detected
Expected RT: 7.42

Processing Integration Results



Manual Integration Results

RT: 7.36
Area: 54765
Amount: 3.084264
Amount Units: ng/uL



Euofins TestAmerica, Buffalo

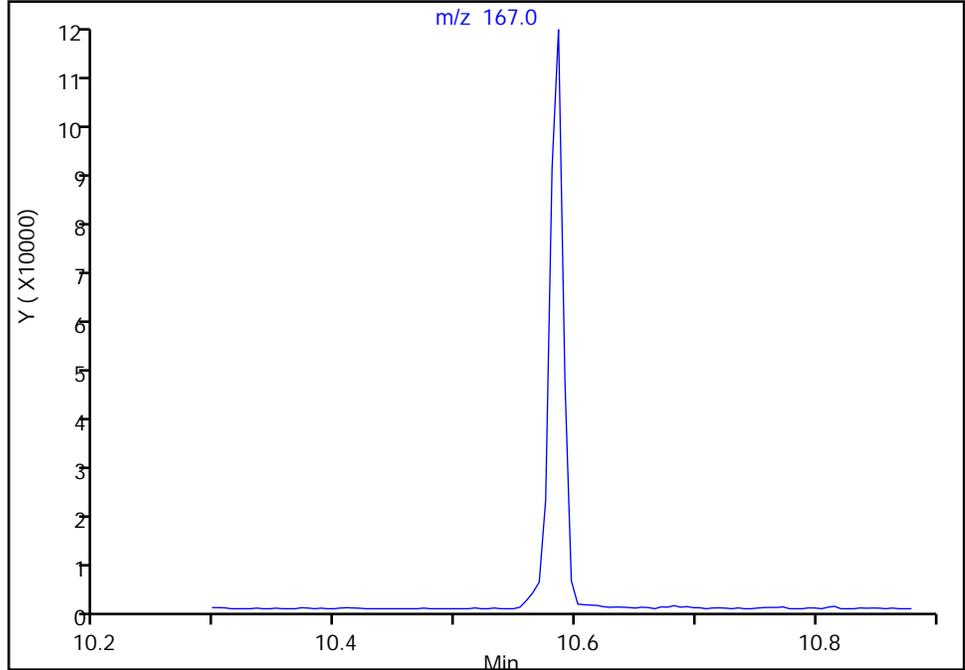
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Injection Date: 22-Nov-2021 15:29:30 Instrument ID: HP5973W
Lims ID: IC L1 .5
Client ID:
Operator ID: PJQ ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

151 Carbazole, CAS: 86-74-8

Signal: 1

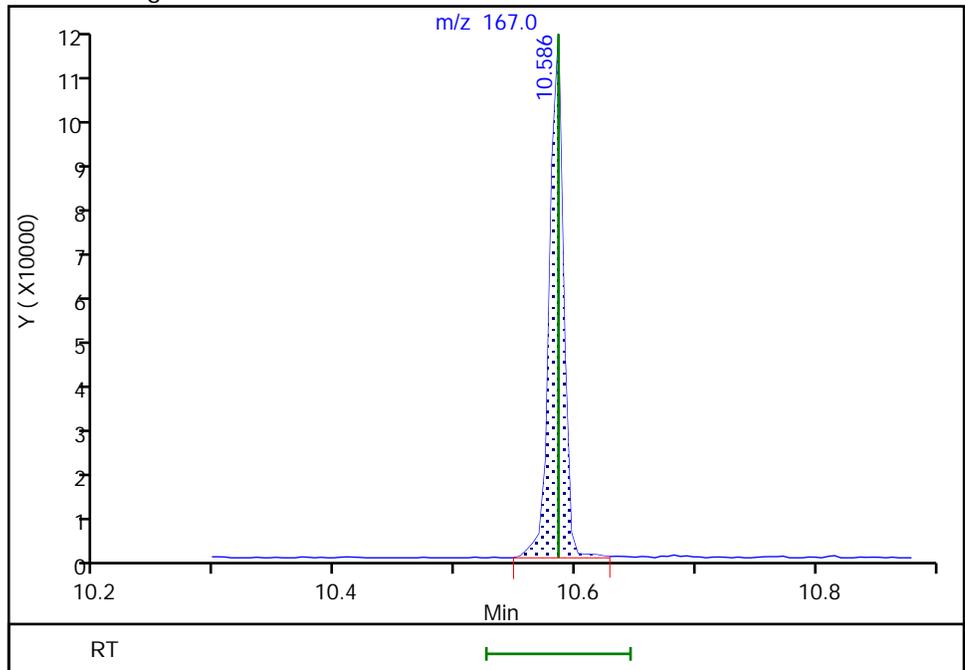
Not Detected
Expected RT: 10.59

Processing Integration Results



Manual Integration Results

RT: 10.59
Area: 94367
Amount: 0.531560
Amount Units: ng/uL



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018138.d
 Lims ID: IC L1 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 22-Nov-2021 15:57:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-005
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:07:53 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:15:15

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.579	-0.005	97	227863	4.00	4.00	
* 2 Naphthalene-d8	136	7.664	7.669	-0.005	100	886327	4.00	4.00	
* 3 Acenaphthene-d10	164	9.149	9.154	-0.005	93	489690	4.00	4.00	
* 4 Phenanthrene-d10	188	10.404	10.409	-0.005	97	836068	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	765091	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	744501	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	94	73286	1.00	0.9879	
\$ 8 Phenol-d5	99	6.216	6.221	-0.005	98	93178	1.00	1.00	
\$ 9 Nitrobenzene-d5	82	7.039	7.044	-0.005	90	82858	1.00	0.9660	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	99	156020	1.00	1.01	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.811	0.000	93	22136	1.00	0.9547	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	186795	1.00	1.00	
14 1,4-Dioxane	88	3.625	3.619	0.006	98	34810	1.00	1.08	
15 N-Nitrosodimethylamine	42	4.010	4.009	0.001	94	38495	1.00	1.00	
16 Pyridine	52	4.058	4.057	0.001	92	110858	2.00	2.00	
36 Benzaldehyde	77	6.194	6.200	-0.006	95	122140	2.00	1.94	
37 Phenol	94	6.227	6.232	-0.005	99	99117	1.00	1.01	
38 Aniline	93	6.285	6.285	0.000	97	116855	1.00	1.00	
40 Bis(2-chloroethyl)ether	93	6.317	6.323	-0.006	93	80808	1.00	0.9670	
41 2-Chlorophenol	128	6.392	6.397	-0.005	97	78248	1.00	1.00	
43 n-Decane	57	6.408	6.408	0.000	92	101161	1.00	1.03	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	98	91464	1.00	1.04	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	94	90008	1.00	1.00	
46 Benzyl alcohol	108	6.670	6.675	-0.005	91	46507	1.00	0.9372	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	85642	1.00	1.02	
49 2-Methylphenol	108	6.750	6.755	-0.005	97	69649	1.00	0.9781	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	96	118272	1.00	1.02	
48 Indene	115	6.803	6.803	0.000	90	711083	5.00	5.41	
56 4-Methylphenol	108	6.873	6.878	-0.005	94	71316	1.00	0.9633	
55 N-Nitrosodi-n-propylamine	70	6.889	6.894	-0.005	90	49898	1.00	0.9498	
53 Acetophenone	105	6.905	6.905	0.000	97	105710	1.00	0.9873	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.023	7.022	0.001	92	33911	1.00	0.9723	
61 Nitrobenzene	77	7.055	7.060	-0.005	89	76359	1.00	0.9738	
63 Isophorone	82	7.252	7.252	0.000	99	139864	1.00	0.9710	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	91	75320	1.00	0.9771	
67 2-Nitrophenol	139	7.327	7.332	-0.005	68	30931	1.00	0.9385	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	99	91152	1.00	0.9858	
72 Benzoic acid	105	7.375	7.423	-0.048	87	146149	5.00	4.64	
74 2,4-Dichlorophenol	162	7.525	7.530	-0.005	95	60998	1.00	0.9582	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	93	71792	1.00	1.01	
76 Naphthalene	128	7.685	7.685	0.000	98	235100	1.00	1.04	
78 4-Chloroaniline	127	7.701	7.706	-0.005	96	88825	1.00	1.03	
79 2,6-Dichlorophenol	162	7.717	7.722	-0.005	98	59942	1.00	0.9414	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	46435	1.00	1.01	
84 Caprolactam	113	7.973	8.000	-0.027	78	41205	2.00	1.96	
87 4-Chloro-3-methylphenol	107	8.086	8.085	0.001	96	57976	1.00	0.9308	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	149389	1.00	1.00	
91 1-Methylnaphthalene	142	8.347	8.353	-0.006	92	134819	1.00	0.9764	
93 Hexachlorocyclopentadiene	237	8.395	8.401	-0.006	96	45838	1.00	0.9462	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	67205	1.00	0.9647	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	93	43711	1.00	1.00	
95 2,4,5-Trichlorophenol	196	8.518	8.524	-0.006	93	40106	1.00	0.9425	
97 1,1'-Biphenyl	154	8.647	8.646	0.001	95	175364	1.00	1.01	
98 2-Chloronaphthalene	162	8.679	8.678	0.001	96	135619	1.00	1.00	
100 2-Nitroaniline	65	8.737	8.743	-0.006	83	32449	1.00	0.9578	
104 Dimethyl phthalate	163	8.866	8.865	0.001	99	149180	1.00	1.02	
105 1,3-Dinitrobenzene	168	8.903	8.908	-0.005	88	16615	1.00	0.9071	
106 2,6-Dinitrotoluene	165	8.924	8.930	-0.006	95	30156	1.00	1.01	
107 Acenaphthylene	152	9.037	9.036	0.001	98	203297	1.00	1.02	
108 3-Nitroaniline	138	9.079	9.084	-0.005	93	29505	1.00	0.9555	
110 2,4-Dinitrophenol	184	9.165	9.165	0.000	84	20313	2.00	1.94	
109 Acenaphthene	153	9.181	9.181	0.000	93	136822	1.00	0.99	
111 4-Nitrophenol	109	9.181	9.186	-0.005	92	32320	2.00	1.95	
113 2,4-Dinitrotoluene	165	9.272	9.271	0.001	92	35407	1.00	0.9396	
114 Dibenzofuran	168	9.320	9.320	0.000	96	185331	1.00	1.01	
117 2,3,4,6-Tetrachlorophenol	232	9.411	9.416	-0.006	73	31476	1.00	0.9501	
120 Hexadecane	57	9.448	9.448	0.000	72	98985	1.00	0.9550	
119 Diethyl phthalate	149	9.448	9.453	-0.005	98	151250	1.00	1.02	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	92	76525	1.00	0.9761	
125 4-Nitroaniline	138	9.592	9.597	-0.005	84	28776	1.00	0.9629	
123 Fluorene	166	9.608	9.608	0.000	94	151908	1.00	1.00	
126 4,6-Dinitro-2-methylphenol	198	9.619	9.624	-0.005	90	33458	2.00	1.89	
128 Diphenylamine	169	9.672	9.677	-0.005	95	107187	0.8550	0.8502	
129 N-Nitrosodiphenylamine	169	9.672	9.677	-0.005	99	107187	1.00	0.99	
130 1,2-Diphenylhydrazine	77	9.715	9.720	-0.005	100	151481	1.00	1.01	
131 Azobenzene	77	9.715	9.720	-0.005	98	151481	1.00	1.00	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	66	42832	1.00	0.9437	
138 Hexachlorobenzene	284	10.084	10.089	-0.005	83	51310	1.00	0.9513	
141 Atrazine	200	10.089	10.094	-0.005	93	90176	2.00	2.03	
146 n-Octadecane	57	10.212	10.212	0.000	94	99571	1.00	0.9598	
143 Pentachlorophenol	266	10.233	10.233	0.000	92	44785	2.00	1.87	
149 Phenanthrene	178	10.426	10.431	-0.005	97	227362	1.00	1.02	
150 Anthracene	178	10.468	10.473	-0.005	97	221660	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	96	192925	1.00	1.16	
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	245780	1.00	1.07	
161 Fluoranthene	202	11.467	11.472	-0.005	97	241732	1.00	1.06	
164 Benzidine	184	11.553	11.553	0.000	98	105364	2.00	1.80	
165 Pyrene	202	11.708	11.708	0.000	98	247943	1.00	1.03	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	97	104814	1.00	1.03	
180 Bis(2-ethylhexyl) phthalate	149	13.017	13.016	0.000	97	139641	1.00	1.01	
177 3,3'-Dichlorobenzidine	252	13.043	13.043	0.000	73	153613	2.00	1.96	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	99	241649	1.00	1.01	
181 Chrysene	228	13.177	13.177	0.000	97	227360	1.00	1.00	
184 Di-n-octyl phthalate	149	13.973	13.973	0.000	99	210606	1.00	0.9844	
186 Benzo[b]fluoranthene	252	14.742	14.747	-0.005	97	224967	1.00	1.03	
187 Benzo[k]fluoranthene	252	14.785	14.785	0.000	99	225319	1.00	1.03	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	77	201607	1.00	0.9792	
193 Indeno[1,2,3-cd]pyrene	276	17.205	17.210	-0.005	98	234856	1.00	0.9574	
194 Dibenz(a,h)anthracene	278	17.221	17.226	-0.005	90	214436	1.00	0.99	
195 Benzo[g,h,i]perylene	276	17.744	17.755	-0.011	98	212743	1.00	0.9854	
S 262 Total Cresols	1				0			1.94	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00510

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018138.d

Injection Date: 22-Nov-2021 15:57:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: IC L1 1

Worklist Smp#: 5

Client ID:

Injection Vol: 2.0 ul

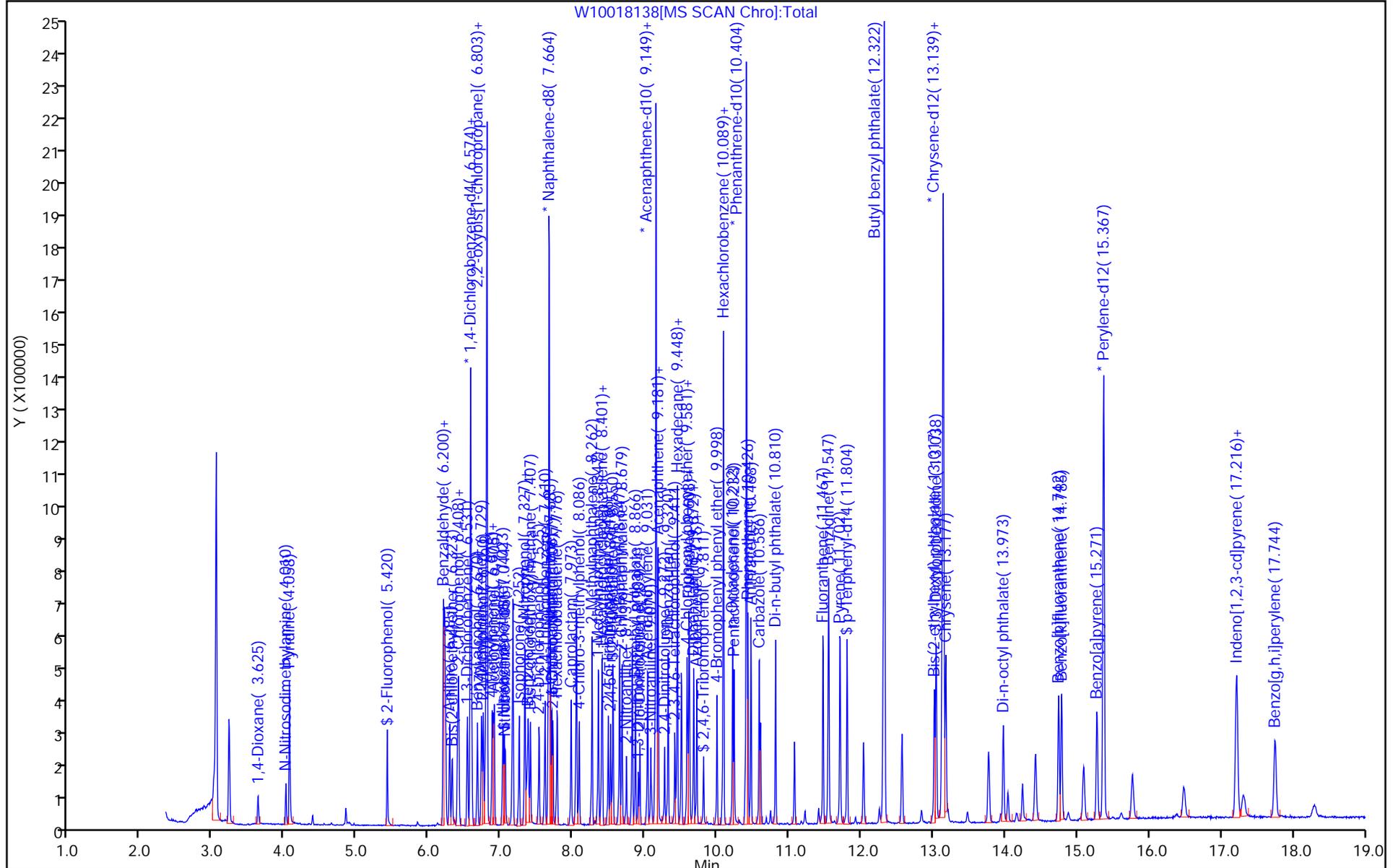
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018139.d
 Lims ID: IC L1 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 22-Nov-2021 16:25:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-006
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:08:00 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:16:07

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.579	-0.005	97	229784	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.669	0.000	99	919290	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.154	0.000	93	524095	4.00	4.00	
* 4 Phenanthrene-d10	188	10.409	10.409	0.000	97	873178	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	784745	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	778504	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	93	152315	2.00	2.04	
\$ 8 Phenol-d5	99	6.221	6.221	0.000	99	186174	2.00	1.98	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	173512	2.00	1.95	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	100	338872	2.00	2.04	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.811	0.000	95	49637	2.00	1.90	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	392637	2.00	2.05	
14 1,4-Dioxane	88	3.619	3.619	0.000	99	64872	2.00	1.99	
15 N-Nitrosodimethylamine	42	4.009	4.009	0.000	93	77377	2.00	2.00	
16 Pyridine	52	4.057	4.057	0.000	92	223935	4.00	4.01	
36 Benzaldehyde	77	6.200	6.200	0.000	96	252135	4.00	3.97	
37 Phenol	94	6.232	6.232	0.000	98	197083	2.00	1.99	
38 Aniline	93	6.285	6.285	0.000	97	236200	2.00	2.01	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	-0.001	94	171541	2.00	2.04	
41 2-Chlorophenol	128	6.397	6.397	0.000	97	157681	2.00	2.00	
43 n-Decane	57	6.408	6.408	0.000	91	201862	2.00	2.03	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	97	175526	2.00	1.98	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	93	178550	2.00	1.97	
46 Benzyl alcohol	108	6.670	6.675	-0.005	91	98935	2.00	1.98	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	168323	2.00	1.98	
49 2-Methylphenol	108	6.750	6.755	-0.005	96	143765	2.00	2.00	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	95	239536	2.00	2.06	
48 Indene	115	6.803	6.803	0.000	91	1422695	10.0	10.4	
56 4-Methylphenol	108	6.878	6.878	0.000	97	148426	2.00	1.99	
55 N-Nitrosodi-n-propylamine	70	6.889	6.894	-0.005	92	102820	2.00	1.94	
53 Acetophenone	105	6.905	6.905	0.000	97	214307	2.00	1.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.022	7.022	0.000	95	67731	2.00	1.93	
61 Nitrobenzene	77	7.060	7.060	0.000	88	161732	2.00	1.99	
63 Isophorone	82	7.252	7.252	0.000	99	301728	2.00	2.02	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	90	156459	2.00	1.96	
67 2-Nitrophenol	139	7.332	7.332	0.000	71	72234	2.00	1.91	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	98	189771	2.00	1.98	
72 Benzoic acid	105	7.396	7.423	-0.027	88	387496	10.0	8.60	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	94	130595	2.00	1.98	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	146041	2.00	1.98	
76 Naphthalene	128	7.685	7.685	0.000	98	480429	2.00	2.04	
78 4-Chloroaniline	127	7.706	7.706	0.000	97	166210	2.00	1.86	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	97	131936	2.00	2.00	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	93727	2.00	1.97	
84 Caprolactam	113	7.984	8.000	-0.016	79	91320	4.00	3.97	
87 4-Chloro-3-methylphenol	107	8.085	8.085	0.000	97	129838	2.00	2.01	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	317323	2.00	2.04	
91 1-Methylnaphthalene	142	8.353	8.353	0.000	93	290813	2.00	2.03	
93 Hexachlorocyclopentadiene	237	8.395	8.401	-0.006	96	103198	2.00	1.99	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	149374	2.00	2.00	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	93	96988	2.00	1.97	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	93	92806	2.00	1.94	
97 1,1'-Biphenyl	154	8.646	8.646	0.000	94	381563	2.00	2.05	
98 2-Chloronaphthalene	162	8.678	8.678	0.000	96	295485	2.00	2.03	
100 2-Nitroaniline	65	8.743	8.743	0.000	87	76605	2.00	1.93	
104 Dimethyl phthalate	163	8.865	8.865	0.000	99	326580	2.00	2.09	
105 1,3-Dinitrobenzene	168	8.908	8.908	0.000	87	41082	2.00	1.85	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	96	69949	2.00	2.01	
107 Acenaphthylene	152	9.036	9.036	0.000	98	447771	2.00	2.10	
108 3-Nitroaniline	138	9.079	9.084	-0.005	95	67598	2.00	1.88	
110 2,4-Dinitrophenol	184	9.165	9.165	0.000	86	54114	4.00	3.47	
109 Acenaphthene	153	9.181	9.181	0.000	94	292560	2.00	1.98	
111 4-Nitrophenol	109	9.186	9.186	0.000	91	81206	4.00	3.95	
113 2,4-Dinitrotoluene	165	9.271	9.271	0.000	94	85092	2.00	1.91	
114 Dibenzofuran	168	9.320	9.320	0.000	96	401420	2.00	2.04	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	73	74553	2.00	1.92	
120 Hexadecane	57	9.448	9.448	0.000	91	225572	2.00	2.03	
119 Diethyl phthalate	149	9.448	9.453	-0.005	98	318893	2.00	2.01	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	93	168027	2.00	2.00	
125 4-Nitroaniline	138	9.597	9.597	0.000	85	60265	2.00	1.73	
123 Fluorene	166	9.608	9.608	0.000	95	329172	2.00	2.03	
126 4,6-Dinitro-2-methylphenol	198	9.619	9.624	-0.005	89	81652	4.00	3.67	
128 Diphenylamine	169	9.677	9.677	0.000	95	231402	1.71	1.76	
129 N-Nitrosodiphenylamine	169	9.677	9.677	0.000	99	231402	2.00	2.06	
130 1,2-Diphenylhydrazine	77	9.715	9.720	-0.005	100	327668	2.00	2.05	
131 Azobenzene	77	9.715	9.720	-0.005	99	327668	2.00	2.08	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	66	95280	2.00	2.01	
138 Hexachlorobenzene	284	10.089	10.089	0.000	93	110039	2.00	1.95	
141 Atrazine	200	10.089	10.094	-0.005	93	188996	4.00	3.98	
146 n-Octadecane	57	10.217	10.212	0.005	94	227093	2.00	2.10	
143 Pentachlorophenol	266	10.233	10.233	0.000	92	108221	4.00	3.74	
149 Phenanthrene	178	10.425	10.431	-0.006	98	480376	2.00	2.07	
150 Anthracene	178	10.468	10.473	-0.005	98	485299	2.00	2.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	96	298756	2.00	1.77	
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	518250	2.00	2.15	
161 Fluoranthene	202	11.472	11.472	0.000	97	514894	2.00	2.16	
164 Benzidine	184	11.553	11.553	0.000	99	186667	4.00	3.10	
165 Pyrene	202	11.707	11.708	-0.001	97	528583	2.00	2.14	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	98	212603	2.00	1.95	
180 Bis(2-ethylhexyl) phthalate	149	13.016	13.016	0.000	97	304002	2.00	1.98	
177 3,3'-Dichlorobenzidine	252	13.043	13.043	0.000	73	280455	4.00	3.49	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	98	491153	2.00	2.01	
181 Chrysene	228	13.177	13.177	0.000	97	477124	2.00	2.05	
184 Di-n-octyl phthalate	149	13.973	13.973	0.000	99	467150	2.00	1.93	
186 Benzo[b]fluoranthene	252	14.742	14.747	-0.005	97	462411	2.00	2.02	
187 Benzo[k]fluoranthene	252	14.785	14.785	0.000	99	465951	2.00	2.04	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	77	437346	2.00	2.00	
193 Indeno[1,2,3-cd]pyrene	276	17.210	17.210	0.000	97	507470	2.00	1.95	
194 Dibenz(a,h)anthracene	278	17.221	17.226	-0.005	91	441495	2.00	1.95	
195 Benzo[g,h,i]perylene	276	17.750	17.755	-0.005	98	449499	2.00	1.99	
S 262 Total Cresols	1				0			3.99	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00511

Amount Added: 1.00

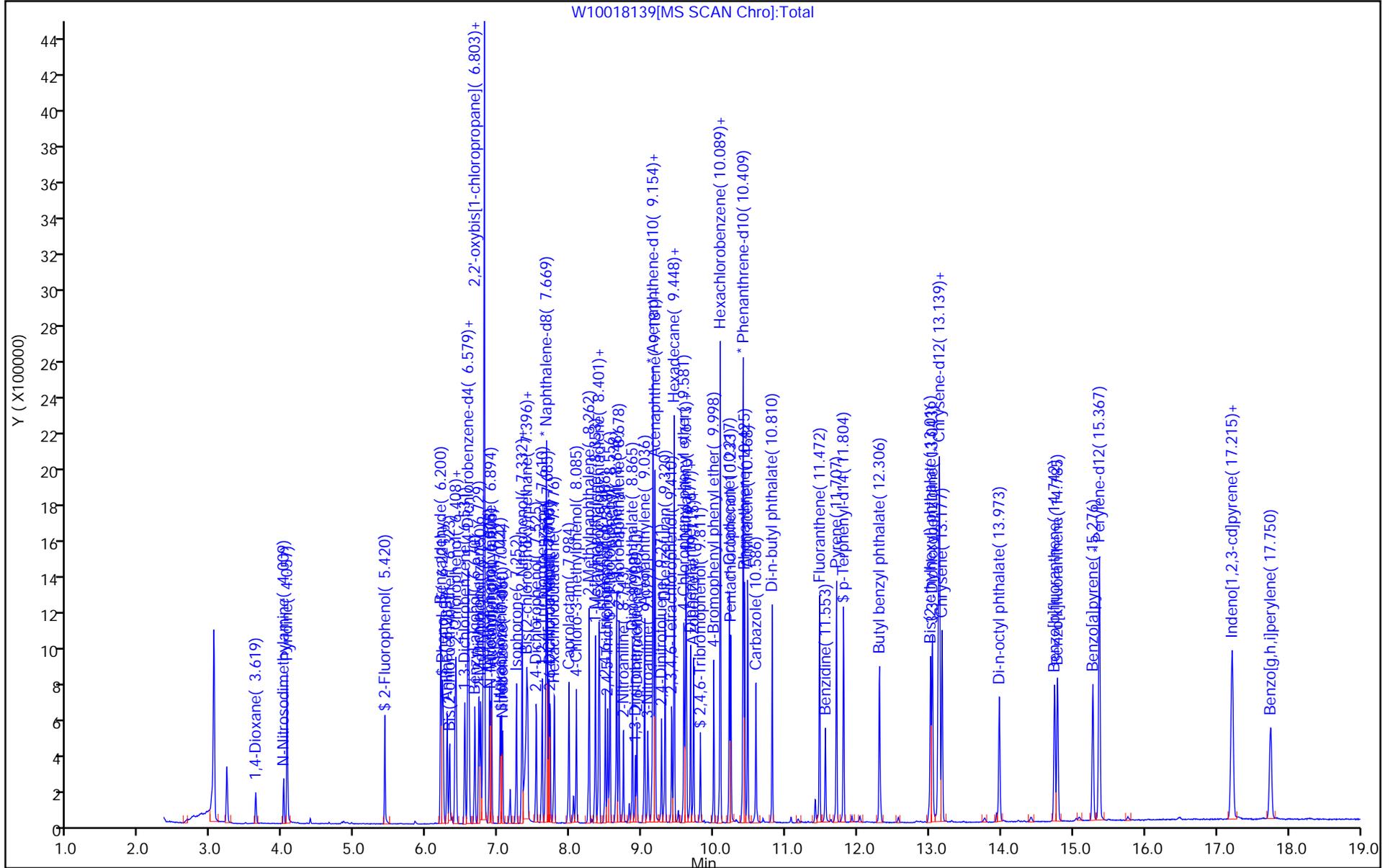
Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018140.d
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 22-Nov-2021 16:52:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-007
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:08:07 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:09:43

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	6.579	6.579	0.000	96	229228	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.669	0.000	99	913710	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.154	0.000	93	522479	4.00	4.00	
* 4 Phenanthrene-d10	188	10.409	10.409	0.000	97	902110	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	815642	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	807794	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	94	302256	4.00	4.05	
\$ 8 Phenol-d5	99	6.221	6.221	0.000	98	376148	4.00	4.01	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	362218	4.00	4.10	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	100	682540	4.00	4.13	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.811	0.000	94	104287	4.00	3.72	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	818443	4.00	4.11	
14 1,4-Dioxane	88	3.619	3.619	0.000	99	130822	4.00	4.03	
15 N-Nitrosodimethylamine	42	4.009	4.009	0.000	93	161762	4.00	4.19	
16 Pyridine	52	4.057	4.057	0.000	92	456069	8.00	8.18	
36 Benzaldehyde	77	6.200	6.200	0.000	96	584751	8.00	9.22	
37 Phenol	94	6.232	6.232	0.000	99	411028	4.00	4.15	
38 Aniline	93	6.285	6.285	0.000	97	479583	4.00	4.10	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	95	352472	4.00	4.19	
41 2-Chlorophenol	128	6.397	6.397	0.000	97	326438	4.00	4.16	
43 n-Decane	57	6.408	6.408	0.000	92	409755	4.00	4.13	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	98	362490	4.00	4.09	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	94	374450	4.00	4.14	
46 Benzyl alcohol	108	6.675	6.675	0.000	92	209471	4.00	4.20	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	97	347472	4.00	4.09	
49 2-Methylphenol	108	6.755	6.755	0.000	95	299542	4.00	4.18	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	92	484029	4.00	4.16	
48 Indene	115	6.803	6.803	0.000	91	2750597	20.0	20.3	
56 4-Methylphenol	108	6.878	6.878	0.000	97	311062	4.00	4.18	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	91	218521	4.00	4.13	
53 Acetophenone	105	6.905	6.905	0.000	97	448729	4.00	4.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.022	7.022	0.000	95	143527	4.00	4.09	
61 Nitrobenzene	77	7.060	7.060	0.000	88	339911	4.00	4.20	
63 Isophorone	82	7.252	7.252	0.000	99	637428	4.00	4.29	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	90	333114	4.00	4.19	
67 2-Nitrophenol	139	7.332	7.332	0.000	71	159980	4.00	4.06	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	99	404008	4.00	4.24	
72 Benzoic acid	105	7.423	7.423	0.000	89	1021288	20.0	19.3	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	94	277037	4.00	4.22	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	306139	4.00	4.17	
76 Naphthalene	128	7.685	7.685	0.000	99	992198	4.00	4.24	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	344075	4.00	3.88	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	97	279406	4.00	4.26	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	195921	4.00	4.14	
84 Caprolactam	113	8.000	8.000	0.000	79	207334	8.00	8.83	
87 4-Chloro-3-methylphenol	107	8.085	8.085	0.000	96	269770	4.00	4.20	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	93	661332	4.00	4.28	
91 1-Methylnaphthalene	142	8.353	8.353	0.000	93	602538	4.00	4.23	
93 Hexachlorocyclopentadiene	237	8.401	8.401	0.000	95	213352	4.00	4.13	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	309119	4.00	4.16	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	93	201032	4.00	3.99	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	94	201823	4.00	4.12	
97 1,1'-Biphenyl	154	8.646	8.646	0.000	95	787485	4.00	4.25	
98 2-Chloronaphthalene	162	8.678	8.678	0.000	97	606452	4.00	4.18	
100 2-Nitroaniline	65	8.743	8.743	0.000	83	169012	4.00	4.09	
104 Dimethyl phthalate	163	8.865	8.865	0.000	99	661213	4.00	4.25	
105 1,3-Dinitrobenzene	168	8.908	8.908	0.000	87	95914	4.00	4.03	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	96	149673	4.00	4.16	
107 Acenaphthylene	152	9.036	9.036	0.000	98	930960	4.00	4.36	
108 3-Nitroaniline	138	9.084	9.084	0.000	95	151979	4.00	4.04	
110 2,4-Dinitrophenol	184	9.165	9.165	0.000	85	136435	8.00	7.39	
109 Acenaphthene	153	9.181	9.181	0.000	94	625059	4.00	4.25	
111 4-Nitrophenol	109	9.186	9.186	0.000	93	178940	8.00	8.16	
113 2,4-Dinitrotoluene	165	9.271	9.271	0.000	95	190705	4.00	4.08	
114 Dibenzofuran	168	9.320	9.320	0.000	96	847063	4.00	4.31	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	162238	4.00	4.02	
120 Hexadecane	57	9.448	9.448	0.000	92	476301	4.00	4.31	
119 Diethyl phthalate	149	9.453	9.453	0.000	99	675134	4.00	4.28	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	93	344767	4.00	4.12	
125 4-Nitroaniline	138	9.597	9.597	0.000	82	151250	4.00	4.09	
123 Fluorene	166	9.608	9.608	0.000	94	682488	4.00	4.22	
126 4,6-Dinitro-2-methylphenol	198	9.624	9.624	0.000	89	195850	8.00	7.79	
128 Diphenylamine	169	9.677	9.677	0.000	95	479132	3.42	3.52	
129 N-Nitrosodiphenylamine	169	9.677	9.677	0.000	99	479132	4.00	4.12	
130 1,2-Diphenylhydrazine	77	9.720	9.720	0.000	100	685471	4.00	4.30	
131 Azobenzene	77	9.720	9.720	0.000	98	685471	4.00	4.21	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	65	197920	4.00	4.04	
138 Hexachlorobenzene	284	10.089	10.089	0.000	94	234130	4.00	4.02	
141 Atrazine	200	10.094	10.094	0.000	94	423737	8.00	8.96	
146 n-Octadecane	57	10.212	10.212	0.000	93	479719	4.00	4.29	
143 Pentachlorophenol	266	10.233	10.233	0.000	92	248763	8.00	7.79	
149 Phenanthrene	178	10.431	10.431	0.000	97	1009223	4.00	4.20	
150 Anthracene	178	10.473	10.473	0.000	97	998029	4.00	4.32	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	96	579087	4.00	3.40	
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	1105871	4.00	4.45	
161 Fluoranthene	202	11.472	11.472	0.000	98	1064513	4.00	4.32	
164 Benzidine	184	11.553	11.553	0.000	99	438061	8.00	7.01	
165 Pyrene	202	11.708	11.708	0.000	97	1086100	4.00	4.22	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	98	478041	4.00	4.10	
180 Bis(2-ethylhexyl) phthalate	149	13.016	13.016	0.000	97	687366	4.00	4.15	
177 3,3'-Dichlorobenzidine	252	13.043	13.043	0.000	73	670142	8.00	8.02	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	98	1045446	4.00	4.11	
181 Chrysene	228	13.177	13.177	0.000	97	1007743	4.00	4.16	
184 Di-n-octyl phthalate	149	13.973	13.973	0.000	99	1096319	4.00	4.14	
186 Benzo[b]fluoranthene	252	14.747	14.747	0.000	97	978117	4.00	4.12	
187 Benzo[k]fluoranthene	252	14.785	14.785	0.000	99	1016041	4.00	4.28	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	77	940889	4.00	4.12	
193 Indeno[1,2,3-cd]pyrene	276	17.210	17.210	0.000	98	1126159	4.00	4.15	
194 Dibenz(a,h)anthracene	278	17.226	17.226	0.000	91	975811	4.00	4.16	
195 Benzo[g,h,i]perylene	276	17.755	17.755	0.000	98	973420	4.00	4.16	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00516

Amount Added: 1.00

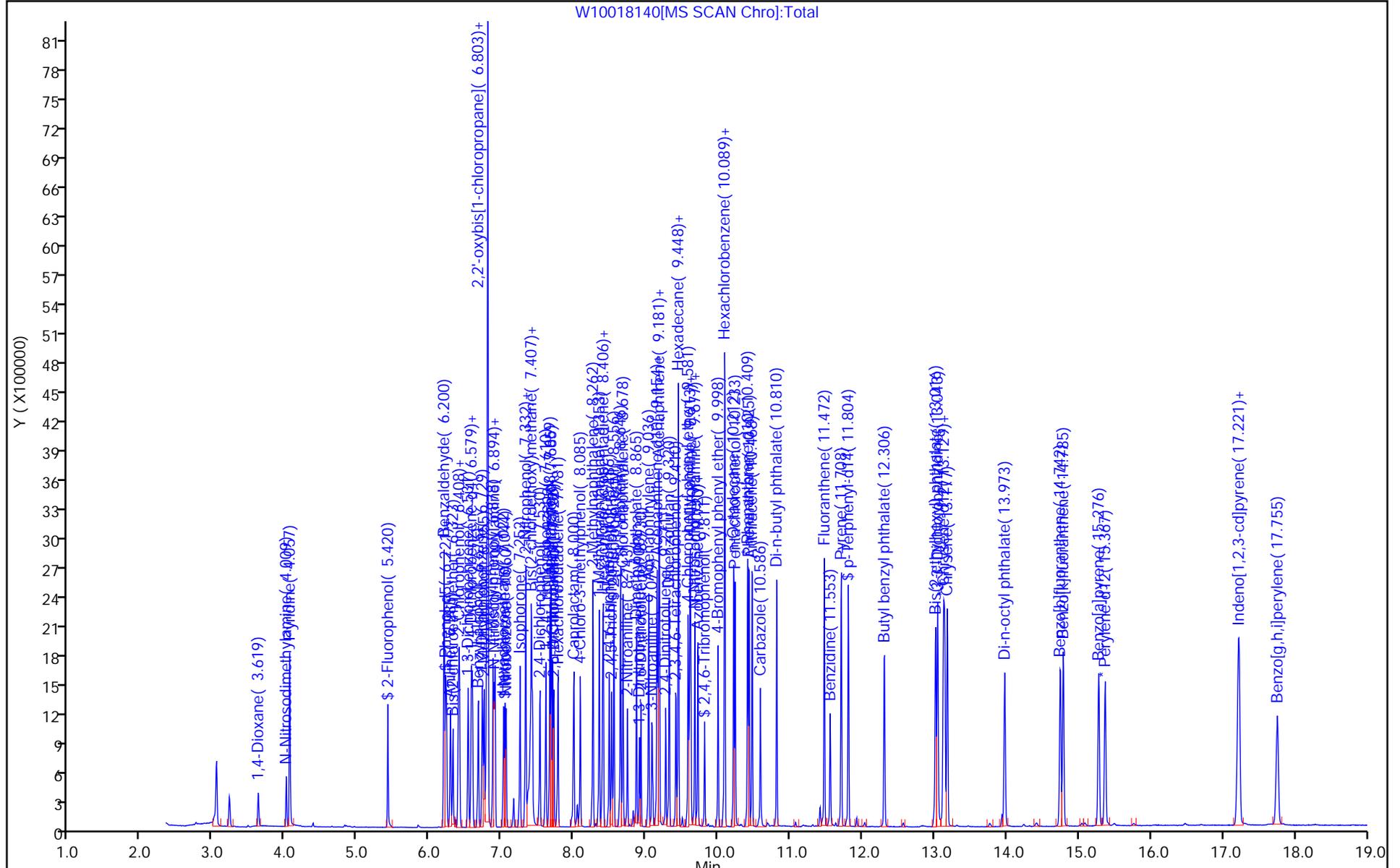
Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018141.d
 Lims ID: IC L1 8
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 22-Nov-2021 17:20:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-008
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:08:15 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:16:52

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	6.574	6.579	-0.005	96	236200	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.669	0.000	100	945313	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.154	0.000	93	534043	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.409	0.001	97	915528	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	811185	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	813342	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	94	620595	8.00	8.07	
\$ 8 Phenol-d5	99	6.221	6.221	0.000	99	777411	8.00	8.05	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	742951	8.00	8.12	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	99	1379373	8.00	8.16	
\$ 11 2,4,6-Tribromophenol	330	9.817	9.811	0.006	93	230557	8.00	7.94	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1662254	8.00	8.39	
14 1,4-Dioxane	88	3.620	3.619	0.001	98	261461	8.00	7.82	
15 N-Nitrosodimethylamine	42	4.015	4.009	0.006	93	311761	8.00	7.85	
16 Pyridine	52	4.058	4.057	0.001	92	930045	16.0	16.2	
36 Benzaldehyde	77	6.200	6.200	0.000	96	946704	16.0	14.5	
37 Phenol	94	6.232	6.232	0.000	99	803036	8.00	7.87	
38 Aniline	93	6.291	6.285	0.006	97	975513	8.00	8.09	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	95	655681	8.00	7.57	
41 2-Chlorophenol	128	6.397	6.397	0.000	97	649995	8.00	8.03	
43 n-Decane	57	6.408	6.408	0.000	91	803642	8.00	7.86	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	98	708828	8.00	7.76	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	93	733630	8.00	7.87	
46 Benzyl alcohol	108	6.675	6.675	0.000	92	417451	8.00	8.12	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	678994	8.00	7.76	
49 2-Methylphenol	108	6.755	6.755	0.000	96	588163	8.00	7.97	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	94	925031	8.00	7.72	
48 Indene	115	6.809	6.803	0.006	91	4383961	40.0	31.3	
56 4-Methylphenol	108	6.878	6.878	0.000	96	621361	8.00	8.10	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	90	442126	8.00	8.12	
53 Acetophenone	105	6.905	6.905	0.000	96	878581	8.00	7.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.023	7.022	0.001	96	290490	8.00	8.03	
61 Nitrobenzene	77	7.060	7.060	0.000	88	674421	8.00	8.06	
63 Isophorone	82	7.252	7.252	0.000	99	1254016	8.00	8.16	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	90	655389	8.00	7.97	
67 2-Nitrophenol	139	7.332	7.332	0.000	74	332143	8.00	7.99	
71 Bis(2-chloroethoxy)methane	93	7.413	7.407	0.005	99	780869	8.00	7.92	
72 Benzoic acid	105	7.455	7.423	0.032	89	2273964	40.0	39.2	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	94	553826	8.00	8.16	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	600505	8.00	7.91	
76 Naphthalene	128	7.685	7.685	0.000	99	1894773	8.00	7.83	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	726106	8.00	7.92	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	98	545314	8.00	8.03	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	389131	8.00	7.95	
84 Caprolactam	113	8.016	8.000	0.016	79	390736	16.0	15.9	
87 4-Chloro-3-methylphenol	107	8.091	8.085	0.006	96	538428	8.00	8.10	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	1266202	8.00	7.91	
91 1-Methylnaphthalene	142	8.353	8.353	0.000	92	1174296	8.00	7.97	
93 Hexachlorocyclopentadiene	237	8.401	8.401	0.000	94	432007	8.00	8.18	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	604731	8.00	7.96	
94 2,4,6-Trichlorophenol	196	8.492	8.486	0.006	92	409658	8.00	7.86	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	94	414027	8.00	8.17	
97 1,1'-Biphenyl	154	8.647	8.646	0.001	96	1512795	8.00	7.99	
98 2-Chloronaphthalene	162	8.679	8.678	0.001	97	1193087	8.00	8.05	
100 2-Nitroaniline	65	8.743	8.743	0.000	85	344345	8.00	8.00	
104 Dimethyl phthalate	163	8.871	8.865	0.006	99	1334841	8.00	8.39	
105 1,3-Dinitrobenzene	168	8.908	8.908	0.000	85	202850	8.00	7.99	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	95	295433	8.00	7.89	
107 Acenaphthylene	152	9.037	9.036	0.001	98	1772180	8.00	8.12	
108 3-Nitroaniline	138	9.085	9.084	0.001	95	317360	8.00	8.10	
110 2,4-Dinitrophenol	184	9.170	9.165	0.005	85	308390	16.0	15.2	
109 Acenaphthene	153	9.181	9.181	0.000	95	1197016	8.00	7.97	
111 4-Nitrophenol	109	9.191	9.186	0.005	93	363361	16.0	15.8	
113 2,4-Dinitrotoluene	165	9.277	9.271	0.006	95	393974	8.00	8.08	
114 Dibenzofuran	168	9.320	9.320	0.000	96	1620889	8.00	8.07	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	331651	8.00	7.89	
120 Hexadecane	57	9.448	9.448	0.000	92	925718	8.00	8.19	
119 Diethyl phthalate	149	9.453	9.453	0.000	98	1306068	8.00	8.10	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	93	691345	8.00	8.09	
125 4-Nitroaniline	138	9.603	9.597	0.006	86	328171	8.00	8.50	
123 Fluorene	166	9.614	9.608	0.006	94	1337852	8.00	8.10	
126 4,6-Dinitro-2-methylphenol	198	9.624	9.624	0.000	88	420755	16.0	15.9	
128 Diphenylamine	169	9.678	9.677	0.001	94	940523	6.84	6.81	
129 N-Nitrosodiphenylamine	169	9.678	9.677	0.001	99	940523	8.00	7.97	
130 1,2-Diphenylhydrazine	77	9.720	9.720	0.000	99	1308469	8.00	8.03	
131 Azobenzene	77	9.720	9.720	0.000	98	1308469	8.00	7.93	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	65	389539	8.00	7.84	
138 Hexachlorobenzene	284	10.089	10.089	0.000	94	463379	8.00	7.85	
141 Atrazine	200	10.094	10.094	0.000	94	720634	16.0	14.9	
146 n-Octadecane	57	10.212	10.212	0.000	94	936617	8.00	8.24	
143 Pentachlorophenol	266	10.239	10.233	0.006	92	530561	16.0	15.9	
149 Phenanthrene	178	10.431	10.431	0.000	98	1910333	8.00	7.84	
150 Anthracene	178	10.474	10.473	0.001	98	1873157	8.00	7.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	96	1332979	8.00	7.83	
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	2062903	8.00	8.17	
161 Fluoranthene	202	11.473	11.472	0.001	98	2037498	8.00	8.15	
164 Benzidine	184	11.553	11.553	0.000	99	1073245	16.0	17.3	
165 Pyrene	202	11.708	11.708	0.000	96	2084962	8.00	8.15	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	98	953670	8.00	8.14	
180 Bis(2-ethylhexyl) phthalate	149	13.017	13.016	0.001	97	1366495	8.00	8.15	
177 3,3'-Dichlorobenzidine	252	13.049	13.043	0.006	73	1356635	16.0	16.3	
179 Benzo[a]anthracene	228	13.129	13.123	0.006	98	2071097	8.00	8.19	
181 Chrysene	228	13.182	13.177	0.005	96	1944595	8.00	8.08	
184 Di-n-octyl phthalate	149	13.973	13.973	0.000	99	2220046	8.00	8.26	
186 Benzo[b]fluoranthene	252	14.747	14.747	0.000	97	1979036	8.00	8.28	
187 Benzo[k]fluoranthene	252	14.790	14.785	0.005	99	1958328	8.00	8.19	
189 Benzo[a]pyrene	252	15.282	15.276	0.006	77	1900405	8.00	8.23	
193 Indeno[1,2,3-cd]pyrene	276	17.226	17.210	0.016	99	2207079	8.00	8.06	
194 Dibenz(a,h)anthracene	278	17.232	17.226	0.006	91	1986810	8.00	8.41	
195 Benzo[g,h,i]perylene	276	17.766	17.755	0.011	98	1911974	8.00	8.11	
S 262 Total Cresols	1				0			16.1	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00513

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018141.d

Injection Date: 22-Nov-2021 17:20:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: IC L1 8

Worklist Smp#: 8

Client ID:

Injection Vol: 2.0 ul

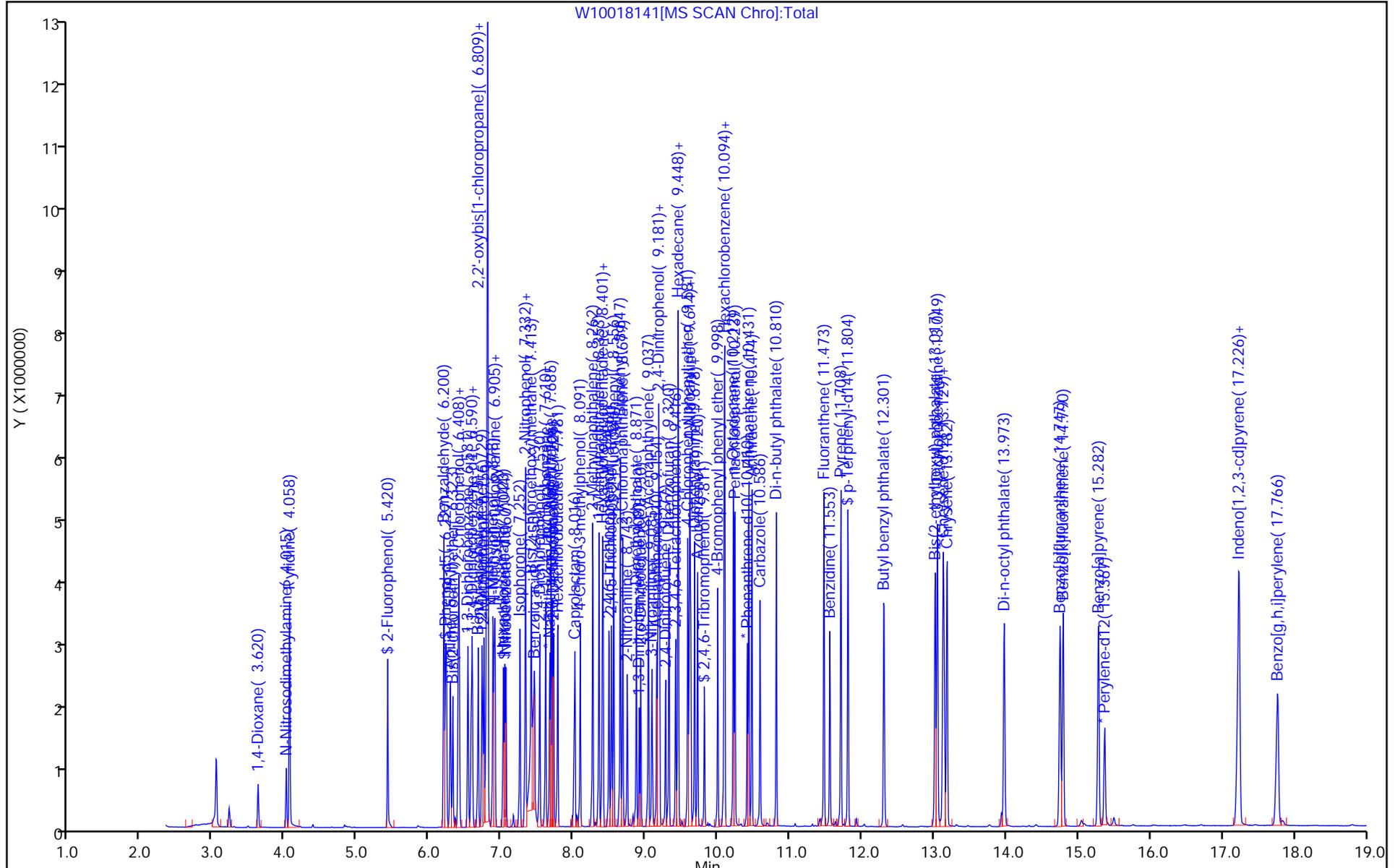
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018142.d
 Lims ID: IC L1 12
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 22-Nov-2021 17:47:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-009
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:08:22 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:17:38

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	6.579	6.579	0.000	96	242409	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.669	0.000	99	970997	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.154	0.000	91	557196	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.409	0.001	97	924097	4.00	4.00	
* 5 Chrysene-d12	240	13.145	13.139	0.006	99	837082	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	858476	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	94	946571	12.0	12.0	
\$ 8 Phenol-d5	99	6.227	6.221	0.006	98	1194690	12.0	12.0	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	90	1164365	12.0	12.4	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	98	2017741	12.0	11.4	
\$ 11 2,4,6-Tribromophenol	330	9.817	9.811	0.006	93	373670	12.0	12.7	
\$ 12 p-Terphenyl-d14	244	11.809	11.804	0.005	98	2421219	12.0	11.8	
14 1,4-Dioxane	88	3.620	3.619	0.001	99	394538	12.0	11.5	
15 N-Nitrosodimethylamine	42	4.020	4.009	0.011	94	469847	12.0	11.5	
16 Pyridine	52	4.058	4.057	0.001	91	1393527	24.0	23.6	
36 Benzaldehyde	77	6.200	6.200	0.000	96	1347284	24.0	20.1	
37 Phenol	94	6.237	6.232	0.005	98	1250586	12.0	11.9	
38 Aniline	93	6.291	6.285	0.006	97	1458627	12.0	11.8	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	95	1045203	12.0	11.8	
41 2-Chlorophenol	128	6.398	6.397	0.001	97	992949	12.0	12.0	
43 n-Decane	57	6.408	6.408	0.000	91	1218075	12.0	11.6	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	97	1092177	12.0	11.6	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	92	1104835	12.0	11.6	
46 Benzyl alcohol	108	6.681	6.675	0.006	92	650443	12.0	12.3	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	1063081	12.0	11.8	
49 2-Methylphenol	108	6.755	6.755	0.000	97	907933	12.0	12.0	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	94	1367262	12.0	11.1	
48 Indene	115	6.809	6.803	0.006	89	5563992	60.0	38.6	
56 4-Methylphenol	108	6.884	6.878	0.006	95	965838	12.0	12.3	
55 N-Nitrosodi-n-propylamine	70	6.900	6.894	0.006	89	682030	12.0	12.2	
53 Acetophenone	105	6.910	6.905	0.005	98	1360181	12.0	11.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.023	7.022	0.001	97	452245	12.0	12.2	
61 Nitrobenzene	77	7.060	7.060	0.000	88	1033648	12.0	12.0	
63 Isophorone	82	7.258	7.252	0.006	99	1899115	12.0	12.0	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	94	1019711	12.0	12.1	
67 2-Nitrophenol	139	7.332	7.332	0.000	95	526398	12.0	12.2	
71 Bis(2-chloroethoxy)methane	93	7.413	7.407	0.006	99	1200364	12.0	11.9	
72 Benzoic acid	105	7.482	7.423	0.059	89	3619355	60.0	59.6	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	94	859809	12.0	12.3	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	924066	12.0	11.9	
76 Naphthalene	128	7.685	7.685	0.000	98	2676315	12.0	10.8	a
78 4-Chloroaniline	127	7.706	7.706	0.000	97	1152411	12.0	12.2	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	97	844974	12.0	12.1	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	614259	12.0	12.2	
84 Caprolactam	113	8.032	8.000	0.032	79	595729	24.0	23.5	
87 4-Chloro-3-methylphenol	107	8.096	8.085	0.011	96	842180	12.0	12.3	
89 2-Methylnaphthalene	142	8.267	8.262	0.005	91	1910374	12.0	11.6	
91 1-Methylnaphthalene	142	8.353	8.353	0.000	92	1774827	12.0	11.7	
93 Hexachlorocyclopentadiene	237	8.401	8.401	0.000	95	683394	12.0	12.4	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	939219	12.0	11.8	
94 2,4,6-Trichlorophenol	196	8.492	8.486	0.006	92	658221	12.0	12.0	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	94	635004	12.0	12.0	
97 1,1'-Biphenyl	154	8.647	8.646	0.001	97	2281282	12.0	11.5	
98 2-Chloronaphthalene	162	8.684	8.678	0.006	97	1827227	12.0	11.8	
100 2-Nitroaniline	65	8.743	8.743	0.000	84	545304	12.0	12.1	
104 Dimethyl phthalate	163	8.871	8.865	0.006	98	1837005	12.0	11.1	
105 1,3-Dinitrobenzene	168	8.914	8.908	0.006	87	326730	12.0	12.4	
106 2,6-Dinitrotoluene	165	8.935	8.930	0.005	96	476697	12.0	12.1	
107 Acenaphthylene	152	9.037	9.036	0.001	97	2577771	12.0	11.3	
108 3-Nitroaniline	138	9.090	9.084	0.006	97	503494	12.0	12.2	
110 2,4-Dinitrophenol	184	9.170	9.165	0.005	85	510831	24.0	23.7	
109 Acenaphthene	153	9.181	9.181	0.000	95	1811760	12.0	11.6	
111 4-Nitrophenol	109	9.197	9.186	0.011	93	584263	24.0	24.0	
113 2,4-Dinitrotoluene	165	9.277	9.271	0.006	94	620594	12.0	12.1	
114 Dibenzofuran	168	9.325	9.320	0.005	95	2395130	12.0	11.4	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	538010	12.0	12.2	
120 Hexadecane	57	9.448	9.448	0.000	93	1396298	12.0	11.8	
119 Diethyl phthalate	149	9.453	9.453	0.000	98	2015187	12.0	12.0	
122 4-Chlorophenyl phenyl ether	204	9.587	9.581	0.006	90	1062092	12.0	11.9	
125 4-Nitroaniline	138	9.608	9.597	0.011	86	511899	12.0	12.6	
123 Fluorene	166	9.614	9.608	0.006	94	2019069	12.0	11.7	
126 4,6-Dinitro-2-methylphenol	198	9.630	9.624	0.006	89	683587	24.0	25.2	
128 Diphenylamine	169	9.678	9.677	0.001	94	1456857	10.3	10.5	
129 N-Nitrosodiphenylamine	169	9.678	9.677	0.001	99	1456857	12.0	12.2	
130 1,2-Diphenylhydrazine	77	9.720	9.720	0.000	99	1957157	12.0	11.5	
131 Azobenzene	77	9.720	9.720	0.000	98	1957157	12.0	11.7	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	65	627342	12.0	12.5	
138 Hexachlorobenzene	284	10.089	10.089	0.000	94	739850	12.0	12.4	
141 Atrazine	200	10.100	10.094	0.006	94	984572	24.0	19.5	
146 n-Octadecane	57	10.217	10.212	0.005	95	1389177	12.0	12.1	
143 Pentachlorophenol	266	10.239	10.233	0.006	92	869353	24.0	25.5	
149 Phenanthrene	178	10.431	10.431	0.000	98	2789180	12.0	11.3	
150 Anthracene	178	10.474	10.473	0.001	98	2688130	12.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	97	2173648	12.0	12.7	
154 Di-n-butyl phthalate	149	10.816	10.810	0.006	100	2870861	12.0	11.3	
161 Fluoranthene	202	11.473	11.472	0.001	98	2940500	12.0	11.6	
164 Benzidine	184	11.558	11.553	0.005	99	1735119	24.0	27.1	
165 Pyrene	202	11.713	11.708	0.005	94	3029409	12.0	11.5	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	98	1451003	12.0	11.9	
180 Bis(2-ethylhexyl) phthalate	149	13.017	13.016	0.001	97	2106510	12.0	12.1	
177 3,3'-Dichlorobenzidine	252	13.054	13.043	0.011	76	2216215	24.0	25.8	
179 Benzo[a]anthracene	228	13.129	13.123	0.006	98	3082896	12.0	11.8	
181 Chrysene	228	13.188	13.177	0.011	96	2867092	12.0	11.5	
184 Di-n-octyl phthalate	149	13.978	13.973	0.005	99	3464934	12.0	12.4	
186 Benzo[b]fluoranthene	252	14.758	14.747	0.011	97	3080024	12.0	12.2	
187 Benzo[k]fluoranthene	252	14.801	14.785	0.016	99	3078505	12.0	12.2	
189 Benzo[a]pyrene	252	15.287	15.276	0.011	77	2930987	12.0	12.0	
193 Indeno[1,2,3-cd]pyrene	276	17.242	17.210	0.032	97	3518833	12.0	12.2	
194 Dibenz(a,h)anthracene	278	17.248	17.226	0.022	92	3127030	12.0	12.5	
195 Benzo[g,h,i]perylene	276	17.782	17.755	0.027	98	3109405	12.0	12.5	
S 262 Total Cresols	1				0			24.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00514

Amount Added: 1.00

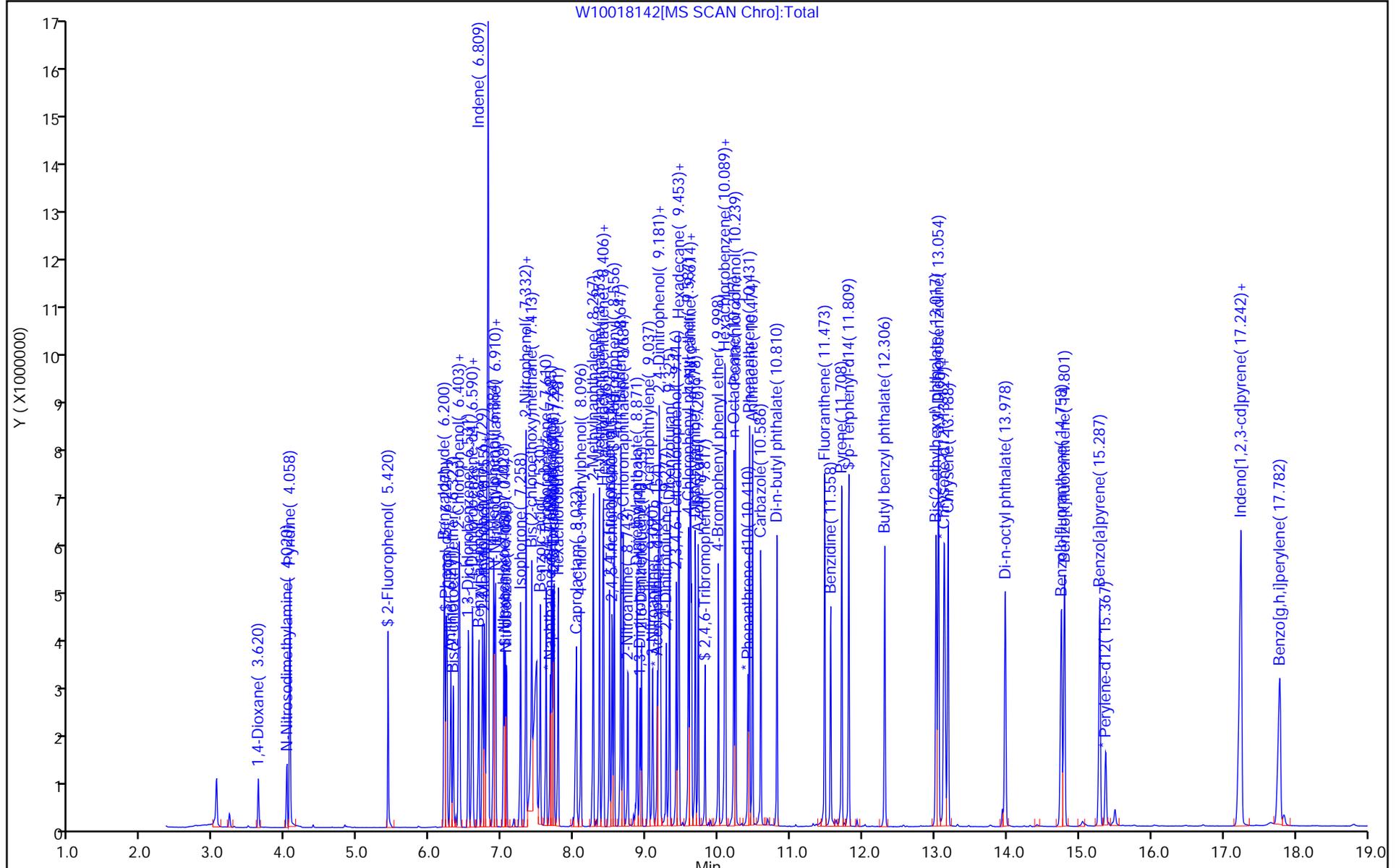
Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo

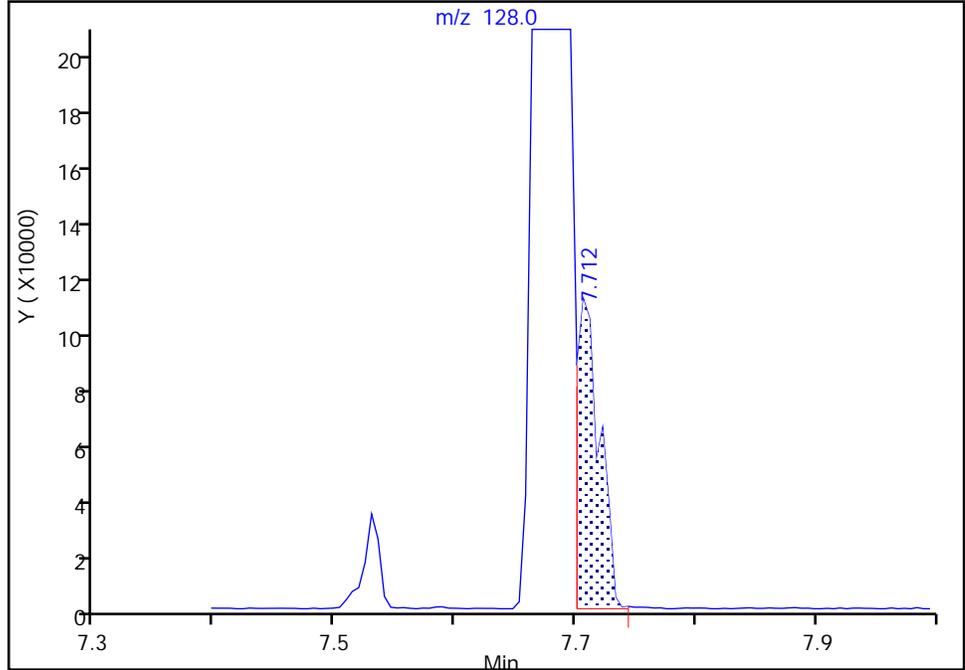
Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018142.d
Injection Date: 22-Nov-2021 17:47:30 Instrument ID: HP5973W
Lims ID: IC L1 12
Client ID:
Operator ID: PJQ ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

76 Naphthalene, CAS: 91-20-3

Signal: 1

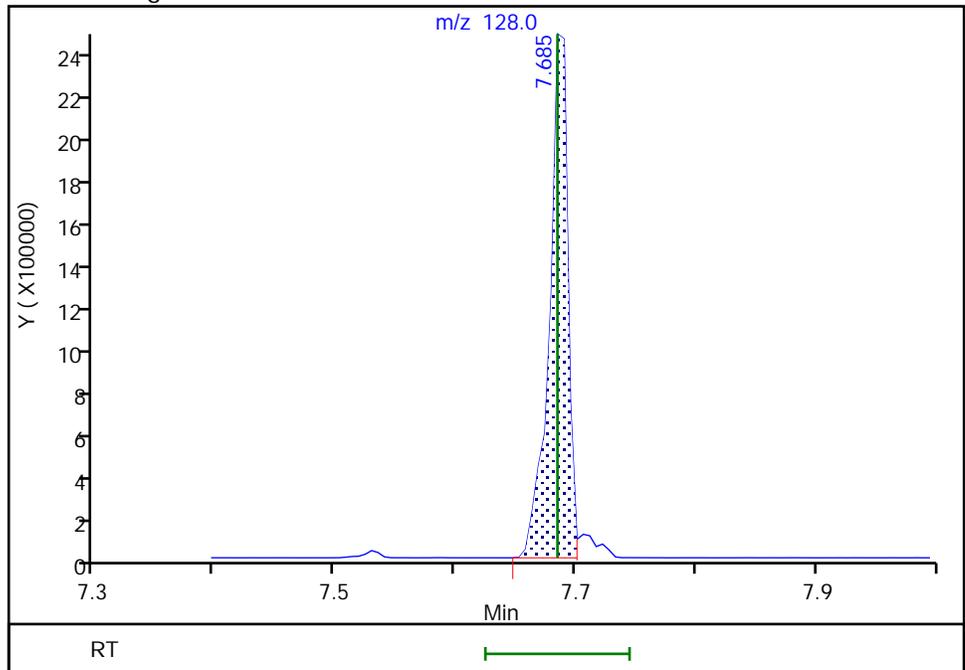
RT: 7.71
Area: 149768
Amount: 0.669785
Amount Units: ng/uL

Processing Integration Results



RT: 7.69
Area: 2676315
Amount: 10.769044
Amount Units: ng/uL

Manual Integration Results



Reviewer: quirkp, 23-Nov-2021 11:17:14
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Lims ID: IC L1 16
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 22-Nov-2021 18:14:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-010
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:08:29 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 11:18:22

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	6.579	6.579	0.000	97	242686	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.669	0.000	99	1001971	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.154	0.000	92	566865	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.409	0.001	97	956398	4.00	4.00	
* 5 Chrysene-d12	240	13.150	13.139	0.011	99	900369	4.00	4.00	
* 6 Perylene-d12	264	15.372	15.367	0.005	98	895668	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	94	1283414	16.0	16.2	
\$ 8 Phenol-d5	99	6.227	6.221	0.006	98	1634680	16.0	16.5	
\$ 9 Nitrobenzene-d5	82	7.049	7.044	0.005	89	1605639	16.0	16.6	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	97	2691890	16.0	15.0	
\$ 11 2,4,6-Tribromophenol	330	9.817	9.811	0.006	93	527956	16.0	17.3	
\$ 12 p-Terphenyl-d14	244	11.809	11.804	0.005	97	3163641	16.0	14.4	
14 1,4-Dioxane	88	3.620	3.619	0.001	98	534393	16.0	15.6	
15 N-Nitrosodimethylamine	42	4.020	4.009	0.011	94	630628	16.0	15.4	
16 Pyridine	52	4.058	4.057	0.001	90	1881074	32.0	31.9	
36 Benzaldehyde	77	6.200	6.200	0.000	95	1698700	32.0	25.3	
37 Phenol	94	6.243	6.232	0.011	99	1686812	16.0	16.1	
38 Aniline	93	6.291	6.285	0.006	98	1974628	16.0	15.9	
40 Bis(2-chloroethyl)ether	93	6.328	6.323	0.005	93	1447231	16.0	16.3	
41 2-Chlorophenol	128	6.403	6.397	0.006	97	1376766	16.0	16.6	
43 n-Decane	57	6.414	6.408	0.006	90	1627539	16.0	15.5	
44 1,3-Dichlorobenzene	146	6.536	6.531	0.005	97	1501807	16.0	16.0	
45 1,4-Dichlorobenzene	146	6.595	6.590	0.005	93	1536201	16.0	16.0	
46 Benzyl alcohol	108	6.681	6.675	0.006	94	904299	16.0	17.1	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	1447686	16.0	16.1	
49 2-Methylphenol	108	6.761	6.755	0.006	97	1247728	16.0	16.5	
50 2,2'-oxybis[1-chloropropane]	45	6.788	6.782	0.006	92	1834969	16.0	14.9	
48 Indene	115	6.814	6.803	0.011	87	6575556	80.0	44.2	
56 4-Methylphenol	108	6.889	6.878	0.011	95	1301894	16.0	16.5	
55 N-Nitrosodi-n-propylamine	70	6.905	6.894	0.011	90	938507	16.0	16.8	
53 Acetophenone	105	6.916	6.905	0.011	98	1854105	16.0	16.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.028	7.022	0.006	94	621680	16.0	16.7	
61 Nitrobenzene	77	7.065	7.060	0.005	88	1424605	16.0	16.1	
63 Isophorone	82	7.263	7.252	0.011	98	2541755	16.0	15.6	
68 2,4-Dimethylphenol	107	7.338	7.332	0.006	94	1392636	16.0	16.0	
67 2-Nitrophenol	139	7.332	7.332	0.000	97	735817	16.0	16.5	
71 Bis(2-chloroethoxy)methane	93	7.413	7.407	0.006	98	1622545	16.0	15.5	
72 Benzoic acid	105	7.503	7.423	0.080	89	5253090	80.0	83.0	
74 2,4-Dichlorophenol	162	7.535	7.530	0.005	94	1180064	16.0	16.4	
75 1,2,4-Trichlorobenzene	180	7.616	7.610	0.006	94	1281912	16.0	15.9	
76 Naphthalene	128	7.690	7.685	0.005	99	3506263	16.0	13.7	
78 4-Chloroaniline	127	7.712	7.706	0.006	96	1604343	16.0	16.5	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	98	1170948	16.0	16.3	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	96	859306	16.0	16.6	
84 Caprolactam	113	8.048	8.000	0.048	81	792760	32.0	30.3	
87 4-Chloro-3-methylphenol	107	8.096	8.085	0.011	96	1154936	16.0	16.4	
89 2-Methylnaphthalene	142	8.267	8.262	0.005	90	2540475	16.0	15.0	
91 1-Methylnaphthalene	142	8.353	8.353	0.000	92	2350965	16.0	15.1	
93 Hexachlorocyclopentadiene	237	8.401	8.401	0.000	95	926958	16.0	16.5	
92 1,2,4,5-Tetrachlorobenzene	216	8.412	8.406	0.006	97	1306035	16.0	16.2	
94 2,4,6-Trichlorophenol	196	8.492	8.486	0.006	92	919131	16.0	16.5	
95 2,4,5-Trichlorophenol	196	8.529	8.524	0.005	93	872787	16.0	16.1	
97 1,1'-Biphenyl	154	8.647	8.646	0.001	99	2943454	16.0	14.6	
98 2-Chloronaphthalene	162	8.684	8.678	0.006	98	2404409	16.0	15.3	
100 2-Nitroaniline	65	8.748	8.743	0.005	85	754732	16.0	16.4	
104 Dimethyl phthalate	163	8.876	8.865	0.011	97	2372881	16.0	14.1	
105 1,3-Dinitrobenzene	168	8.914	8.908	0.006	87	467887	16.0	17.1	
106 2,6-Dinitrotoluene	165	8.935	8.930	0.005	95	614590	16.0	15.3	
107 Acenaphthylene	152	9.042	9.036	0.006	96	3288214	16.0	14.2	
108 3-Nitroaniline	138	9.090	9.084	0.006	95	691945	16.0	16.5	
110 2,4-Dinitrophenol	184	9.175	9.165	0.010	86	757004	32.0	34.1	
109 Acenaphthene	153	9.186	9.181	0.005	95	2392272	16.0	15.0	
111 4-Nitrophenol	109	9.202	9.186	0.016	92	809779	32.0	32.6	
113 2,4-Dinitrotoluene	165	9.282	9.271	0.011	94	862616	16.0	16.5	
114 Dibenzofuran	168	9.325	9.320	0.005	93	3082532	16.0	14.5	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	755704	16.0	16.8	
120 Hexadecane	57	9.448	9.448	0.000	94	1838010	16.0	15.3	
119 Diethyl phthalate	149	9.459	9.453	0.006	98	2410218	16.0	14.1	
122 4-Chlorophenyl phenyl ether	204	9.587	9.581	0.006	91	1443810	16.0	15.9	
125 4-Nitroaniline	138	9.614	9.597	0.017	87	655760	16.0	15.9	
123 Fluorene	166	9.614	9.608	0.006	92	2644033	16.0	15.1	
126 4,6-Dinitro-2-methylphenol	198	9.635	9.624	0.011	90	970149	32.0	34.3	
128 Diphenylamine	169	9.683	9.677	0.006	93	1915976	13.7	13.3	
129 N-Nitrosodiphenylamine	169	9.683	9.677	0.006	98	1915976	16.0	15.5	
130 1,2-Diphenylhydrazine	77	9.720	9.720	0.000	96	2473710	16.0	14.3	
131 Azobenzene	77	9.720	9.720	0.000	96	2473710	16.0	14.3	
137 4-Bromophenyl phenyl ether	248	10.004	9.998	0.006	64	872437	16.0	16.8	
138 Hexachlorobenzene	284	10.089	10.089	0.000	94	1020499	16.0	16.5	
141 Atrazine	200	10.100	10.094	0.006	94	1210920	32.0	23.6	M
146 n-Octadecane	57	10.217	10.212	0.005	96	1771140	16.0	14.9	
143 Pentachlorophenol	266	10.239	10.233	0.006	91	1192318	32.0	33.7	
149 Phenanthrene	178	10.431	10.431	0.000	98	3643796	16.0	14.3	
150 Anthracene	178	10.474	10.473	0.001	97	3294850	16.0	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.591	10.586	0.005	97	2845176	16.0	16.1	
154 Di-n-butyl phthalate	149	10.816	10.810	0.006	98	3408982	16.0	12.9	
161 Fluoranthene	202	11.478	11.472	0.006	96	3613195	16.0	13.8	
164 Benzidine	184	11.558	11.553	0.005	99	2329738	32.0	33.8	
165 Pyrene	202	11.713	11.708	0.005	97	3748533	16.0	13.2	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	98	2022092	16.0	15.5	
180 Bis(2-ethylhexyl) phthalate	149	13.022	13.016	0.006	97	2833930	16.0	15.1	
177 3,3'-Dichlorobenzidine	252	13.059	13.043	0.016	74	3008115	32.0	32.6	
179 Benzo[a]anthracene	228	13.134	13.123	0.011	98	4161564	16.0	14.8	
181 Chrysene	228	13.193	13.177	0.016	95	3786360	16.0	14.2	
184 Di-n-octyl phthalate	149	13.978	13.973	0.005	99	4527161	16.0	15.0	
186 Benzo[b]fluoranthene	252	14.758	14.747	0.011	97	4299726	16.0	16.3	
187 Benzo[k]fluoranthene	252	14.806	14.785	0.021	98	4072828	16.0	15.5	
189 Benzo[a]pyrene	252	15.292	15.276	0.016	78	4018628	16.0	15.8	
193 Indeno[1,2,3-cd]pyrene	276	17.237	17.210	0.027	96	5004624	16.0	16.6	
194 Dibenz(a,h)anthracene	278	17.258	17.226	0.032	93	4426370	16.0	17.0	
195 Benzo[g,h,i]perylene	276	17.793	17.755	0.037	98	4415219	16.0	17.0	
S 262 Total Cresols	1				0			33.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00515

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

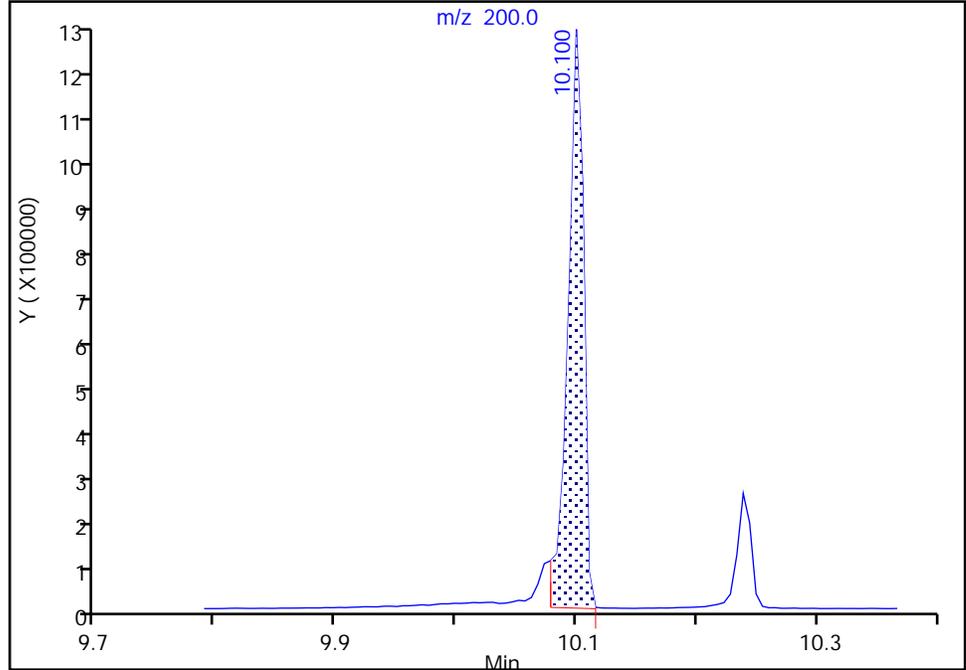
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Injection Date: 22-Nov-2021 18:14:30 Instrument ID: HP5973W
Lims ID: IC L1 16
Client ID:
Operator ID: PJQ ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

141 Atrazine, CAS: 1912-24-9

Signal: 1

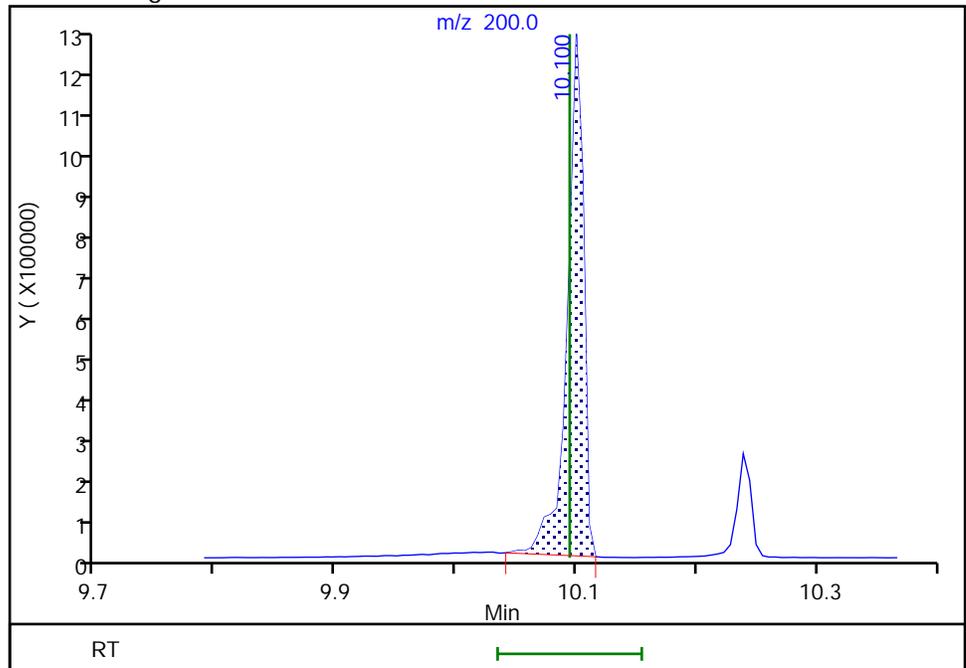
RT: 10.10
Area: 1165701
Amount: 22.717328
Amount Units: ng/uL

Processing Integration Results



RT: 10.10
Area: 1210920
Amount: 23.598561
Amount Units: ng/uL

Manual Integration Results



Reviewer: quirkp, 23-Nov-2021 11:44:05
Audit Action: Manually Integrated

Audit Reason: Baseline

Calibration

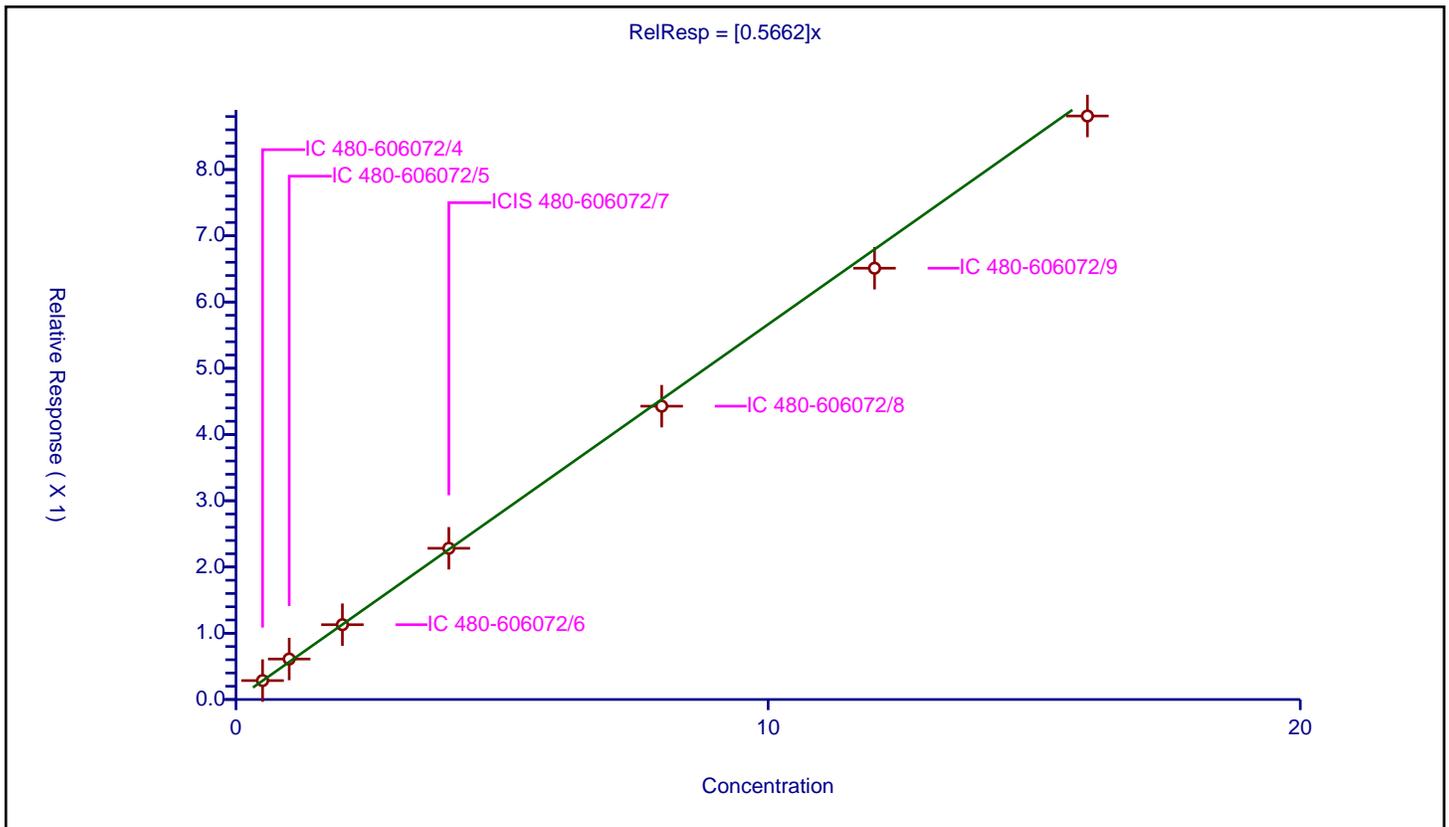
/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5662

Error Coefficients	
Standard Error:	298000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.285405	4.0	214446.0	0.57081	Y
2	IC 480-606072/5	1.0	0.611069	4.0	227863.0	0.611069	Y
3	IC 480-606072/6	2.0	1.129269	4.0	229784.0	0.564635	Y
4	ICIS 480-606072/7	4.0	2.282828	4.0	229228.0	0.570707	Y
5	IC 480-606072/8	8.0	4.42779	4.0	236200.0	0.553474	Y
6	IC 480-606072/9	12.0	6.510286	4.0	242409.0	0.542524	Y
7	IC 480-606072/10	16.0	8.807974	4.0	242686.0	0.550498	Y



Calibration

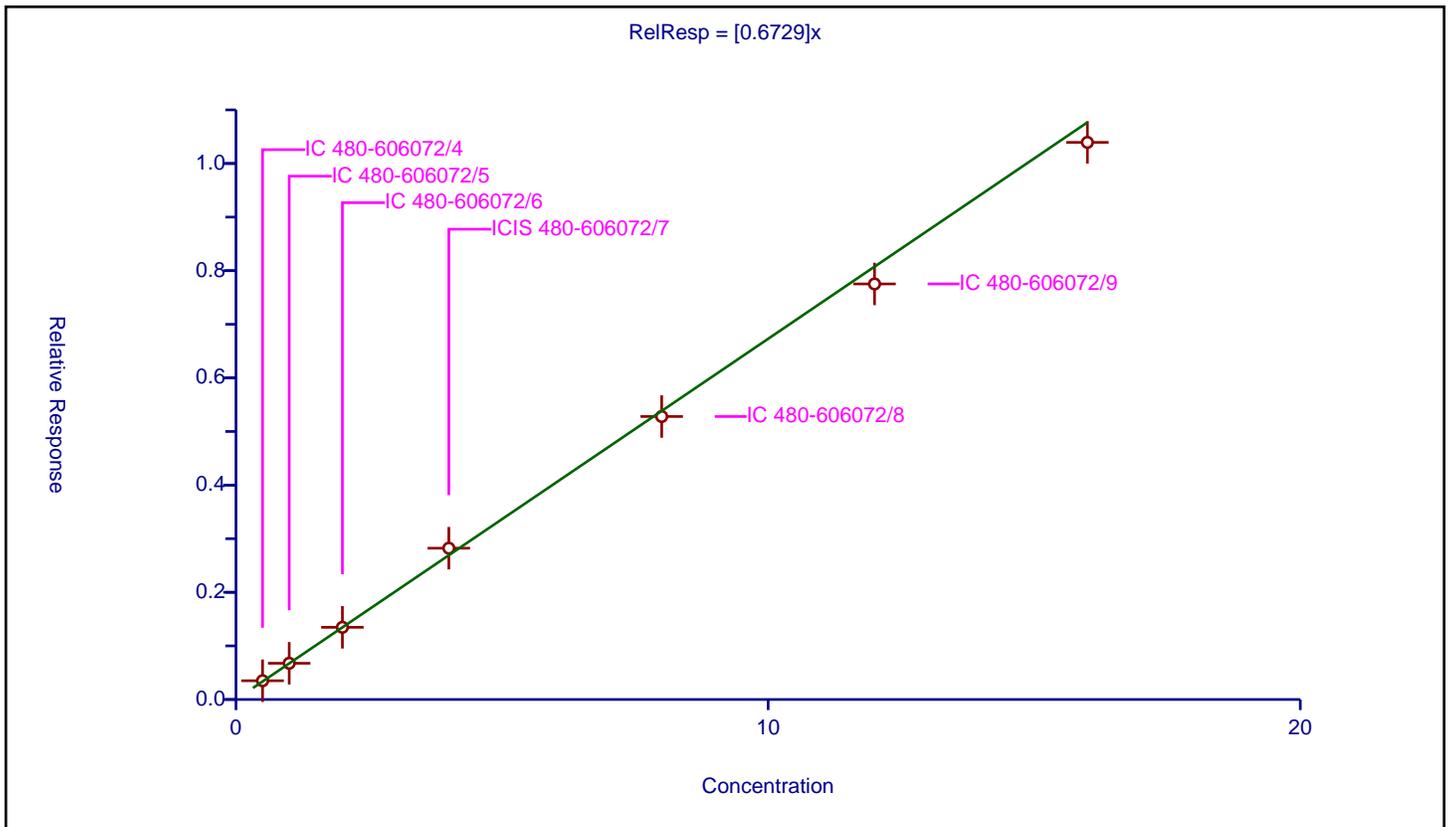
/ N-Nitrosodimethylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6729

Error Coefficients	
Standard Error:	353000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.349981	4.0	214446.0	0.699962	Y
2	IC 480-606072/5	1.0	0.675757	4.0	227863.0	0.675757	Y
3	IC 480-606072/6	2.0	1.346952	4.0	229784.0	0.673476	Y
4	ICIS 480-606072/7	4.0	2.822727	4.0	229228.0	0.705682	Y
5	IC 480-606072/8	8.0	5.27961	4.0	236200.0	0.659951	Y
6	IC 480-606072/9	12.0	7.752963	4.0	242409.0	0.64608	Y
7	IC 480-606072/10	16.0	10.394139	4.0	242686.0	0.649634	Y



Calibration

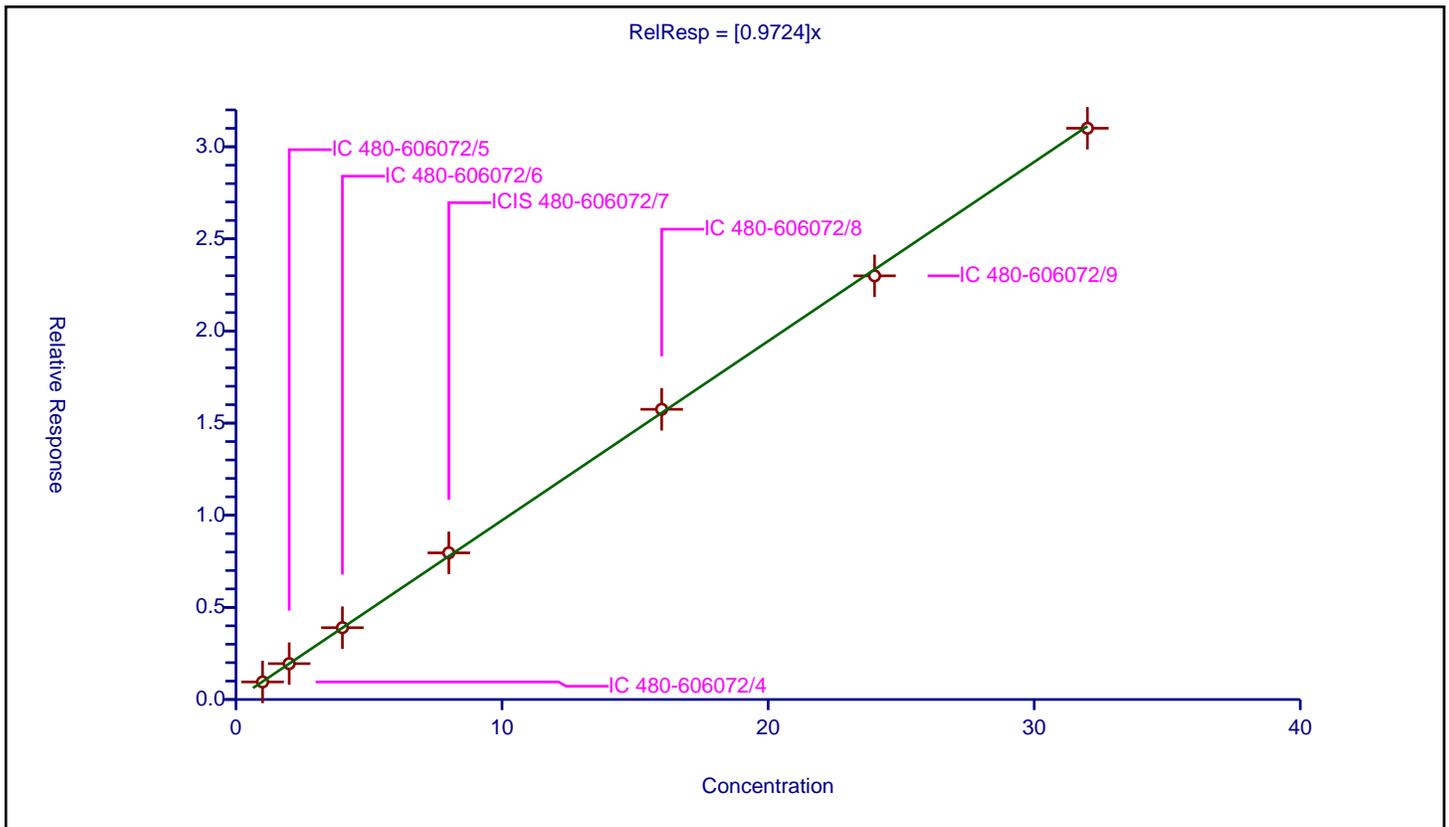
/ Pyridine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9724

Error Coefficients	
Standard Error:	1050000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.953116	4.0	214446.0	0.953116	Y
2	IC 480-606072/5	2.0	1.946047	4.0	227863.0	0.973023	Y
3	IC 480-606072/6	4.0	3.898183	4.0	229784.0	0.974546	Y
4	ICIS 480-606072/7	8.0	7.958347	4.0	229228.0	0.994793	Y
5	IC 480-606072/8	16.0	15.750127	4.0	236200.0	0.984383	Y
6	IC 480-606072/9	24.0	22.994641	4.0	242409.0	0.95811	Y
7	IC 480-606072/10	32.0	31.004244	4.0	242686.0	0.968883	Y



Calibration

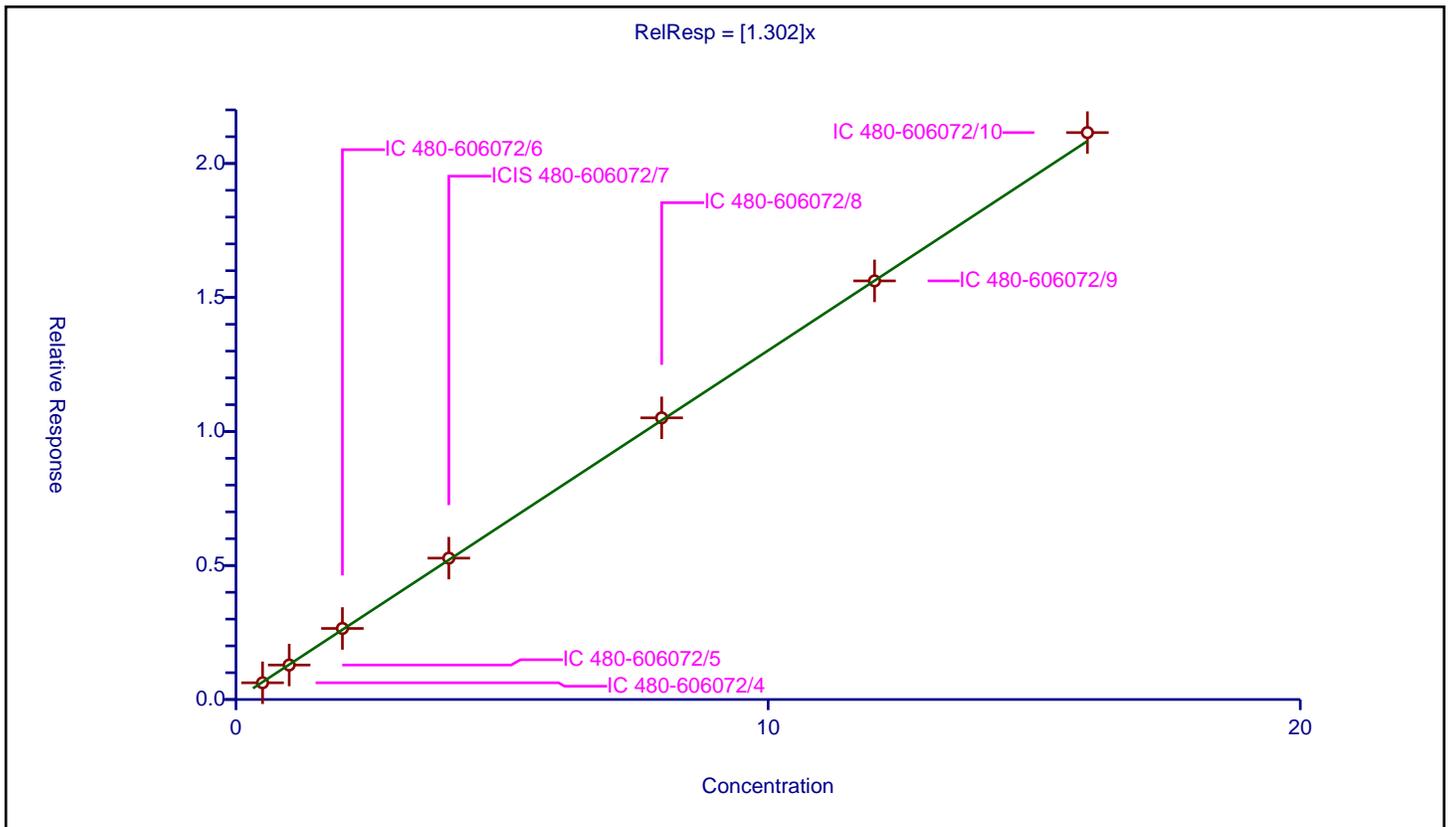
/ 2-Fluorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.302

Error Coefficients	
Standard Error:	713000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.623821	4.0	214446.0	1.247643	Y
2	IC 480-606072/5	1.0	1.286492	4.0	227863.0	1.286492	Y
3	IC 480-606072/6	2.0	2.651447	4.0	229784.0	1.325723	Y
4	ICIS 480-606072/7	4.0	5.274329	4.0	229228.0	1.318582	Y
5	IC 480-606072/8	8.0	10.509653	4.0	236200.0	1.313707	Y
6	IC 480-606072/9	12.0	15.619404	4.0	242409.0	1.301617	Y
7	IC 480-606072/10	16.0	21.153491	4.0	242686.0	1.322093	Y



Calibration

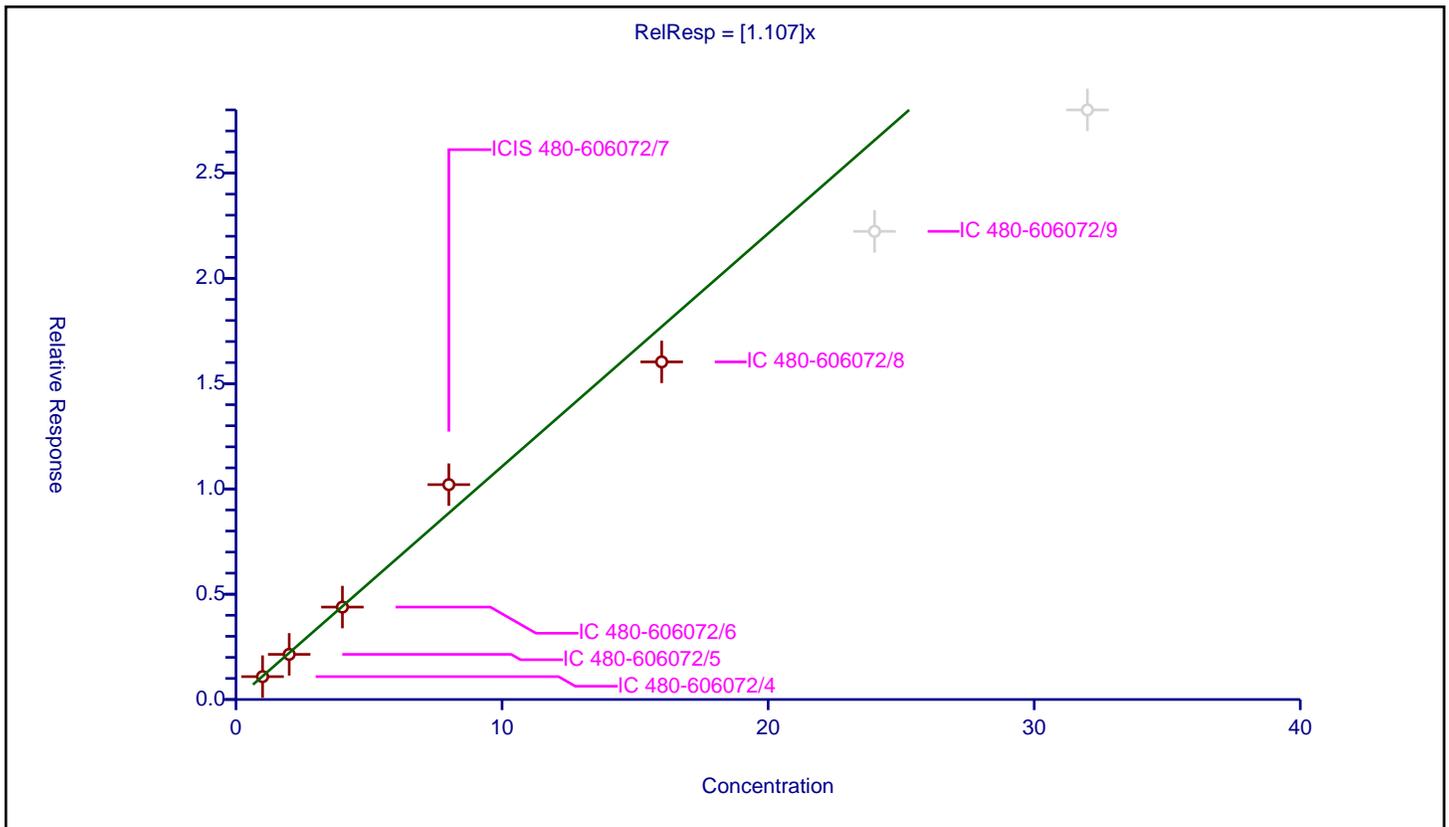
/ Benzaldehyde

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.107

Error Coefficients	
Standard Error:	574000
Relative Standard Error:	9.2
Correlation Coefficient:	0.983
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	1.086204	4.0	214446.0	1.086204	Y
2	IC 480-606072/5	2.0	2.144095	4.0	227863.0	1.072048	Y
3	IC 480-606072/6	4.0	4.389078	4.0	229784.0	1.09727	Y
4	ICIS 480-606072/7	8.0	10.203832	4.0	229228.0	1.275479	Y
5	IC 480-606072/8	16.0	16.032244	4.0	236200.0	1.002015	Y
6	IC 480-606072/9	24.0	22.231584	4.0	242409.0	0.926316	N
7	IC 480-606072/10	32.0	27.998319	4.0	242686.0	0.874947	N



Calibration

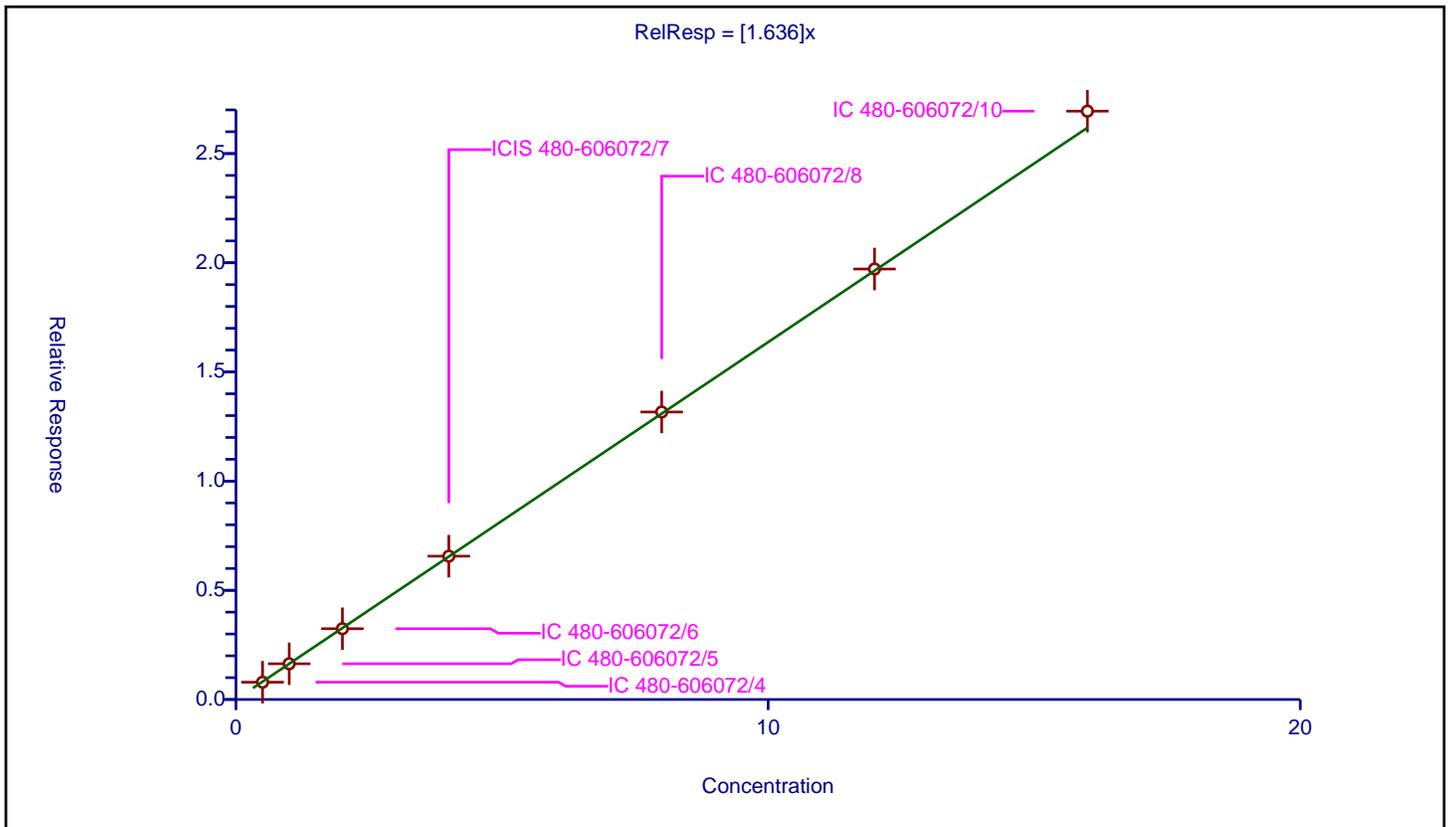
/ Phenol-d5

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.636

Error Coefficients	
Standard Error:	903000
Relative Standard Error:	1.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.792815	4.0	214446.0	1.58563	Y
2	IC 480-606072/5	1.0	1.635685	4.0	227863.0	1.635685	Y
3	IC 480-606072/6	2.0	3.240852	4.0	229784.0	1.620426	Y
4	ICIS 480-606072/7	4.0	6.563736	4.0	229228.0	1.640934	Y
5	IC 480-606072/8	8.0	13.165301	4.0	236200.0	1.645663	Y
6	IC 480-606072/9	12.0	19.713624	4.0	242409.0	1.642802	Y
7	IC 480-606072/10	16.0	26.943128	4.0	242686.0	1.683946	Y



Calibration

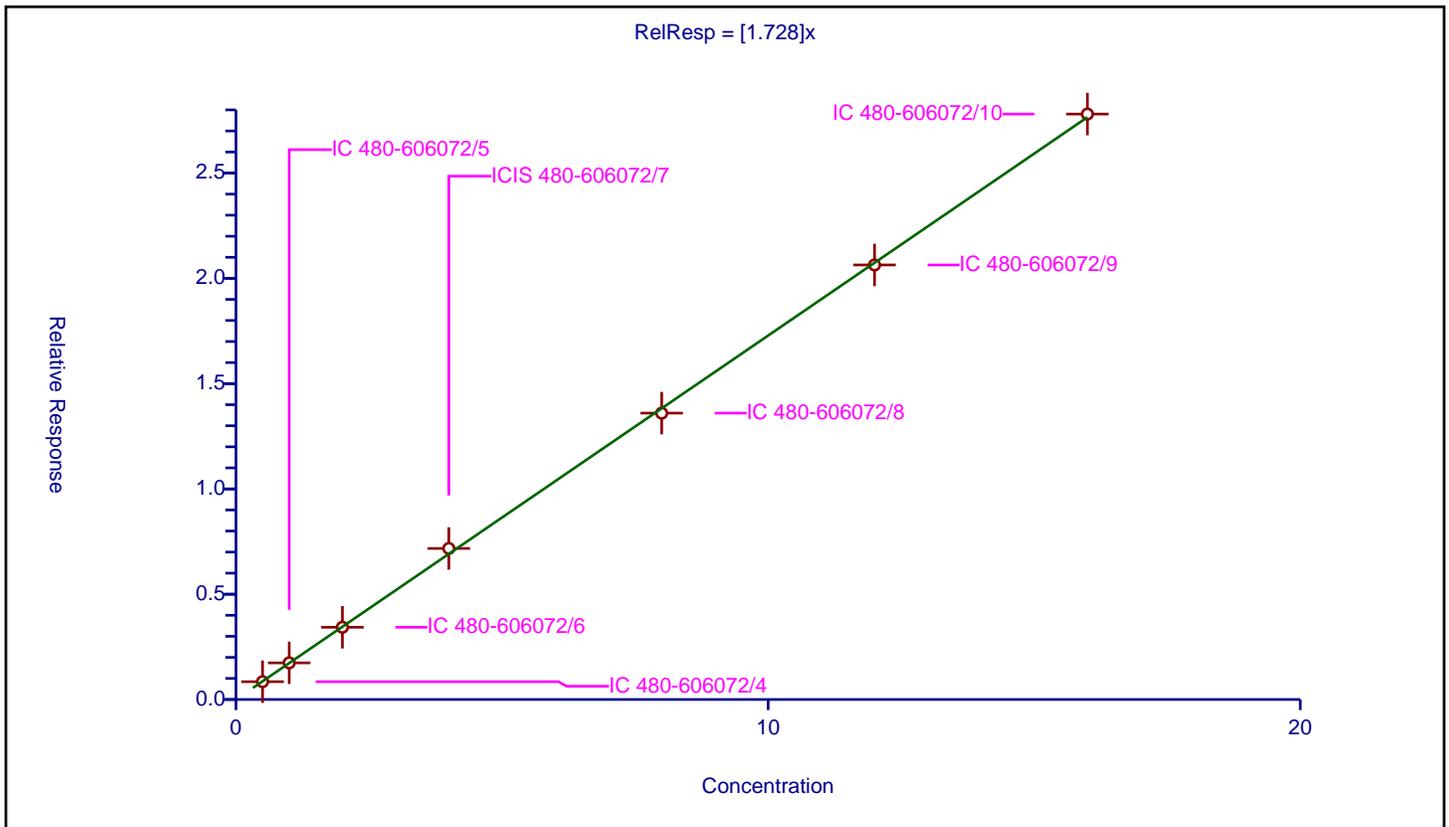
/ Phenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.728

Error Coefficients	
Standard Error:	938000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.846087	4.0	214446.0	1.692174	Y
2	IC 480-606072/5	1.0	1.73994	4.0	227863.0	1.73994	Y
3	IC 480-606072/6	2.0	3.430752	4.0	229784.0	1.715376	Y
4	ICIS 480-606072/7	4.0	7.172387	4.0	229228.0	1.793097	Y
5	IC 480-606072/8	8.0	13.599255	4.0	236200.0	1.699907	Y
6	IC 480-606072/9	12.0	20.635966	4.0	242409.0	1.719664	Y
7	IC 480-606072/10	16.0	27.802378	4.0	242686.0	1.737649	Y



Calibration

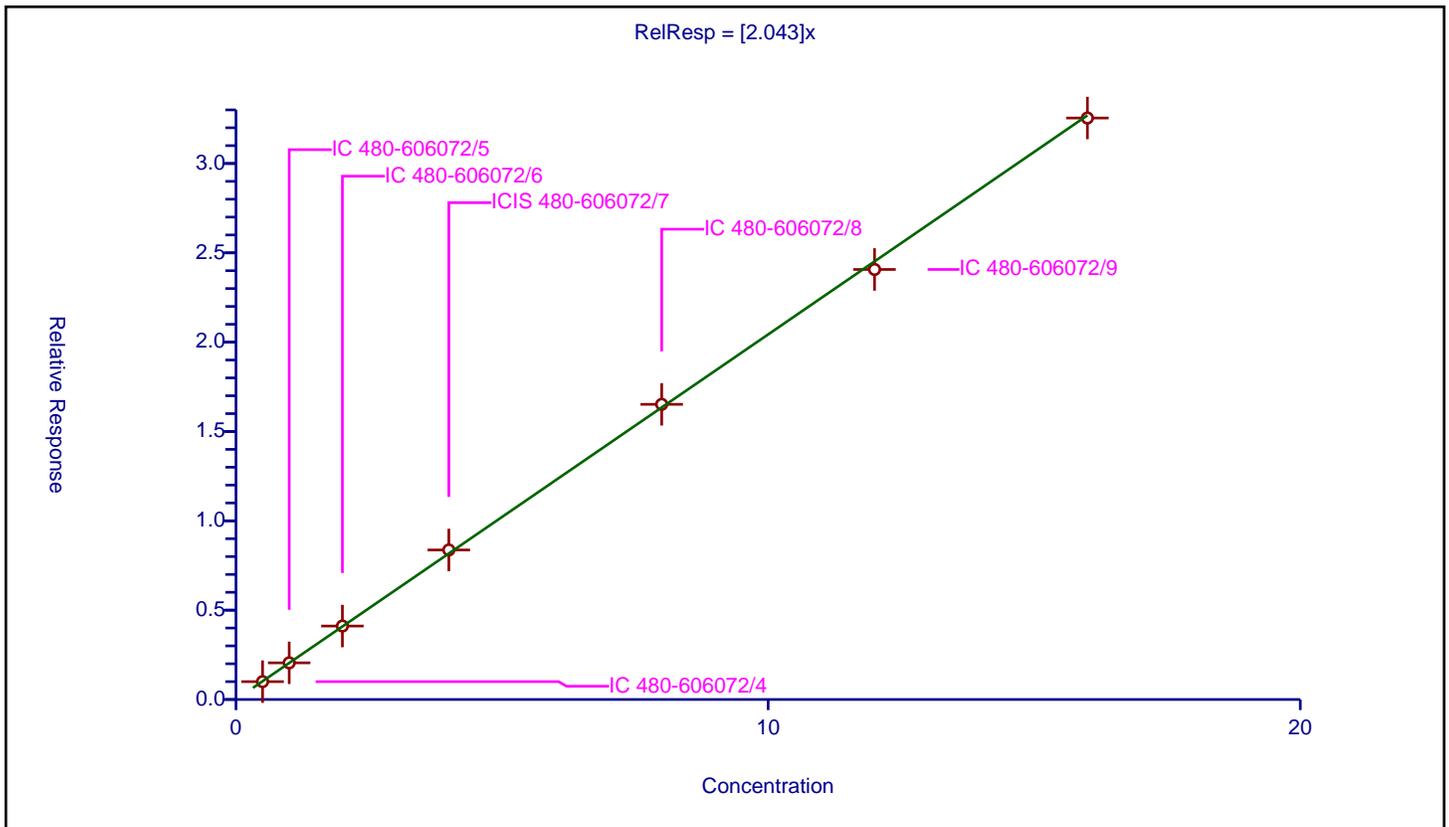
/ Aniline

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.043

Error Coefficients	
Standard Error:	1100000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.999282	4.0	214446.0	1.998564	Y
2	IC 480-606072/5	1.0	2.05132	4.0	227863.0	2.05132	Y
3	IC 480-606072/6	2.0	4.111687	4.0	229784.0	2.055844	Y
4	ICIS 480-606072/7	4.0	8.368664	4.0	229228.0	2.092166	Y
5	IC 480-606072/8	8.0	16.520119	4.0	236200.0	2.065015	Y
6	IC 480-606072/9	12.0	24.068859	4.0	242409.0	2.005738	Y
7	IC 480-606072/10	16.0	32.54622	4.0	242686.0	2.034139	Y



Calibration

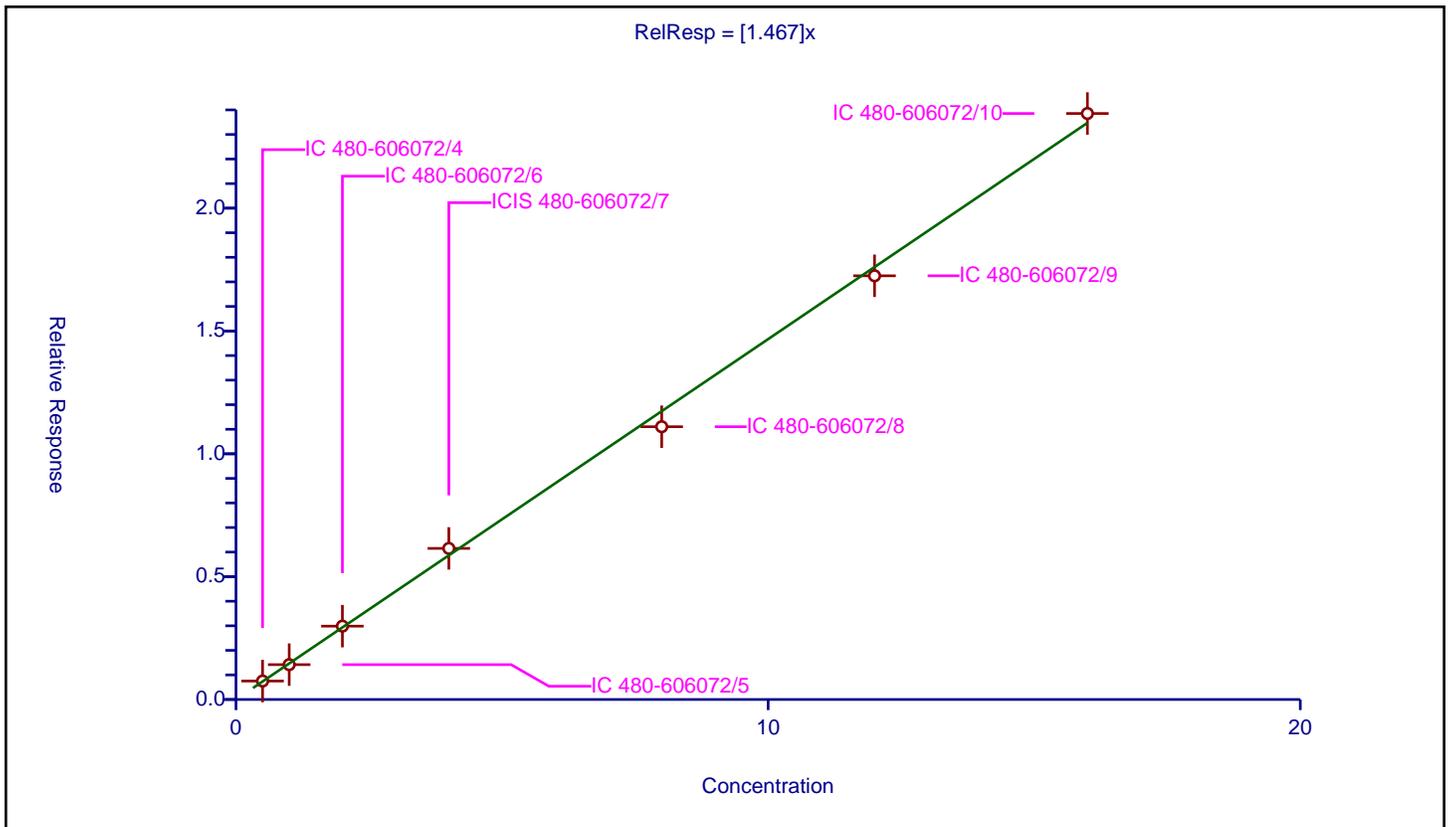
/ Bis(2-chloroethyl)ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.467

Error Coefficients	
Standard Error:	794000
Relative Standard Error:	3.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.751537	4.0	214446.0	1.503073	Y
2	IC 480-606072/5	1.0	1.418537	4.0	227863.0	1.418537	Y
3	IC 480-606072/6	2.0	2.986126	4.0	229784.0	1.493063	Y
4	ICIS 480-606072/7	4.0	6.150592	4.0	229228.0	1.537648	Y
5	IC 480-606072/8	8.0	11.103827	4.0	236200.0	1.387978	Y
6	IC 480-606072/9	12.0	17.246934	4.0	242409.0	1.437244	Y
7	IC 480-606072/10	16.0	23.853556	4.0	242686.0	1.490847	Y



Calibration

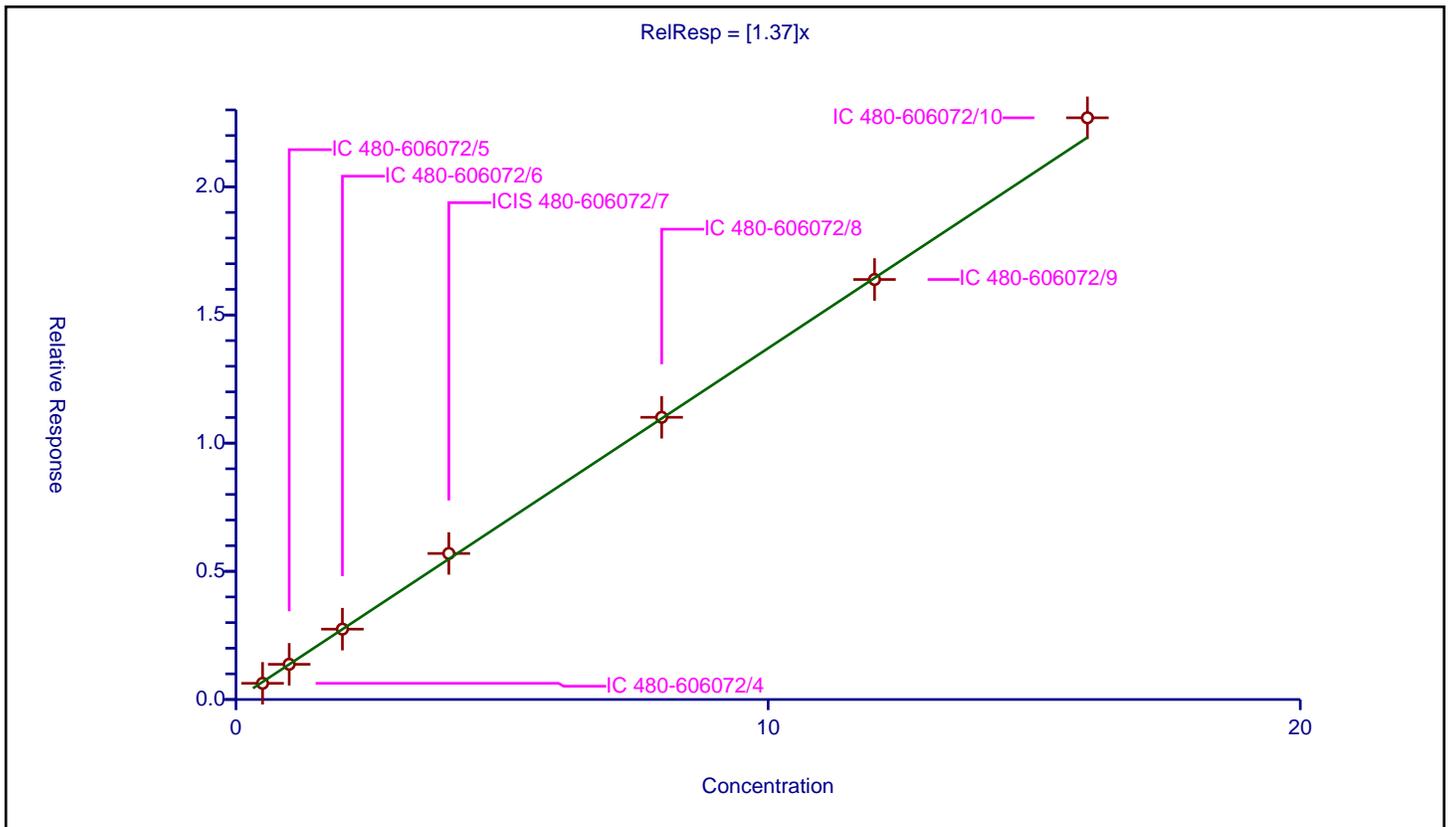
/ 2-Chlorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.37

Error Coefficients	
Standard Error:	757000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.631003	4.0	214446.0	1.262005	Y
2	IC 480-606072/5	1.0	1.373597	4.0	227863.0	1.373597	Y
3	IC 480-606072/6	2.0	2.744856	4.0	229784.0	1.372428	Y
4	ICIS 480-606072/7	4.0	5.696302	4.0	229228.0	1.424076	Y
5	IC 480-606072/8	8.0	11.007536	4.0	236200.0	1.375942	Y
6	IC 480-606072/9	12.0	16.384689	4.0	242409.0	1.365391	Y
7	IC 480-606072/10	16.0	22.692137	4.0	242686.0	1.418259	Y



Calibration

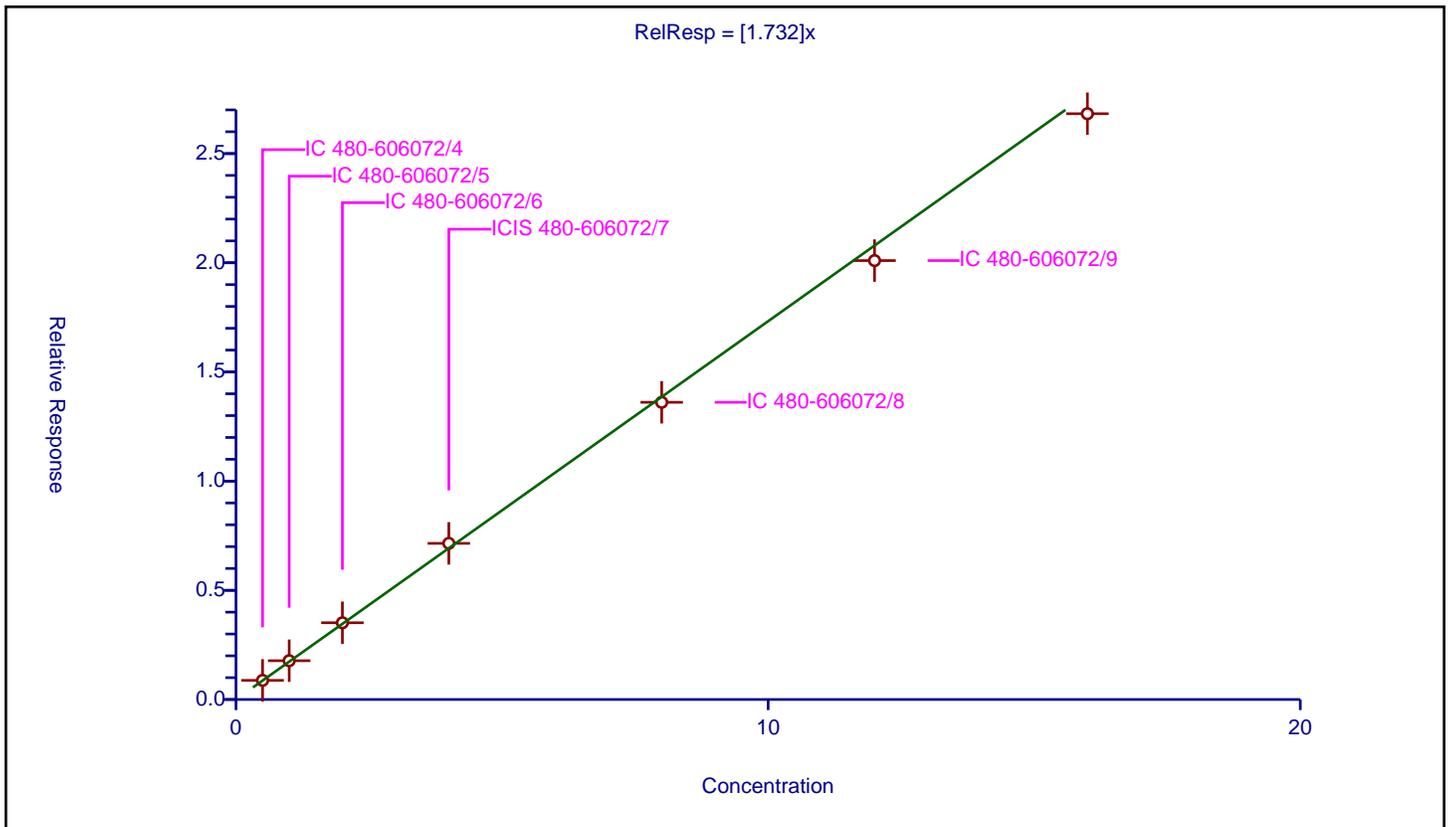
/ n-Decane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.732

Error Coefficients	
Standard Error:	913000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.876416	4.0	214446.0	1.752833	Y
2	IC 480-606072/5	1.0	1.775821	4.0	227863.0	1.775821	Y
3	IC 480-606072/6	2.0	3.513944	4.0	229784.0	1.756972	Y
4	ICIS 480-606072/7	4.0	7.150174	4.0	229228.0	1.787543	Y
5	IC 480-606072/8	8.0	13.609517	4.0	236200.0	1.70119	Y
6	IC 480-606072/9	12.0	20.099501	4.0	242409.0	1.674958	Y
7	IC 480-606072/10	16.0	26.825429	4.0	242686.0	1.676589	Y



Calibration

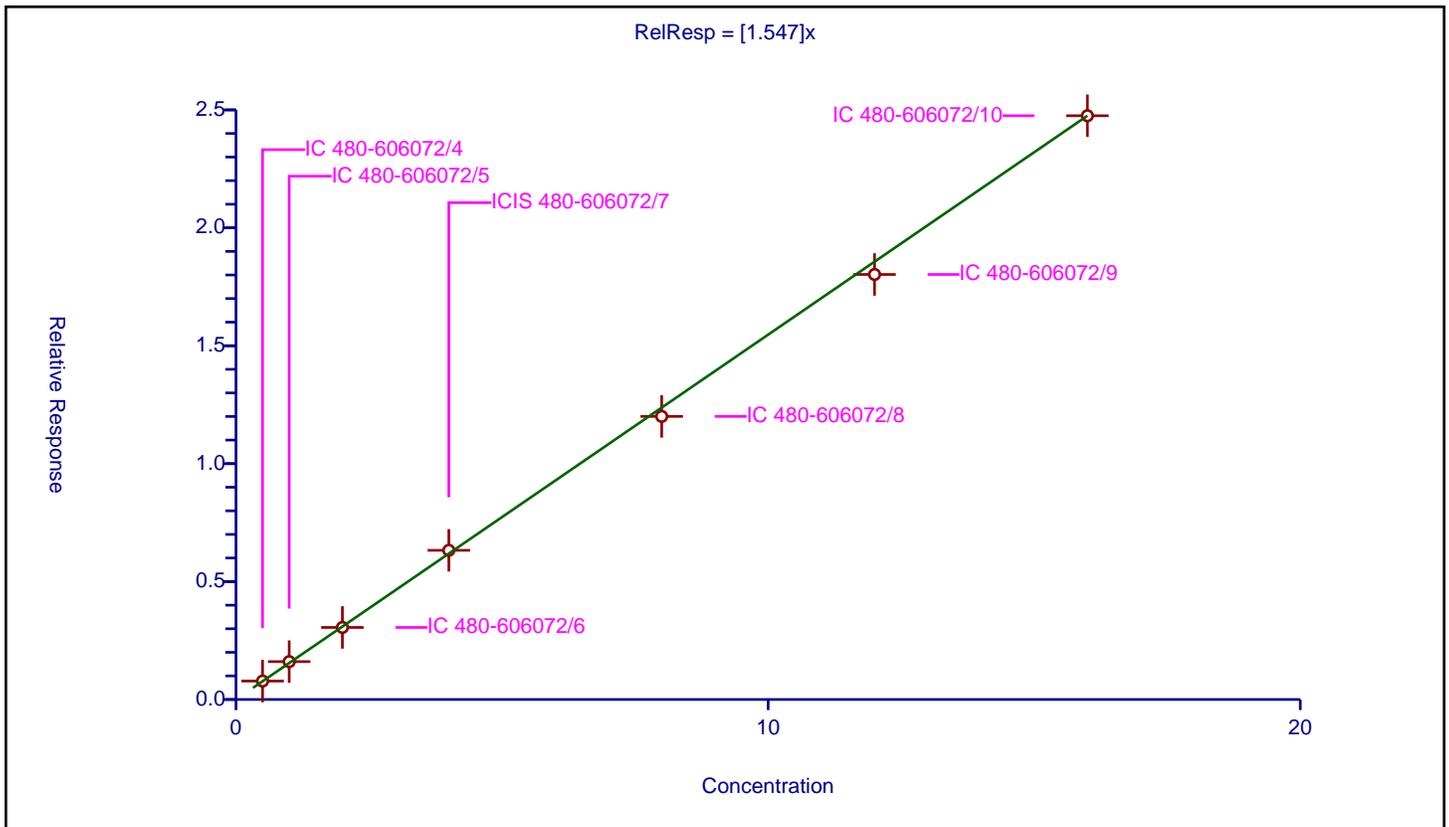
/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.547

Error Coefficients	
Standard Error:	829000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.782313	4.0	214446.0	1.564627	Y
2	IC 480-606072/5	1.0	1.605596	4.0	227863.0	1.605596	Y
3	IC 480-606072/6	2.0	3.055496	4.0	229784.0	1.527748	Y
4	ICIS 480-606072/7	4.0	6.325405	4.0	229228.0	1.581351	Y
5	IC 480-606072/8	8.0	12.003861	4.0	236200.0	1.500483	Y
6	IC 480-606072/9	12.0	18.022054	4.0	242409.0	1.501838	Y
7	IC 480-606072/10	16.0	24.753088	4.0	242686.0	1.547068	Y



Calibration

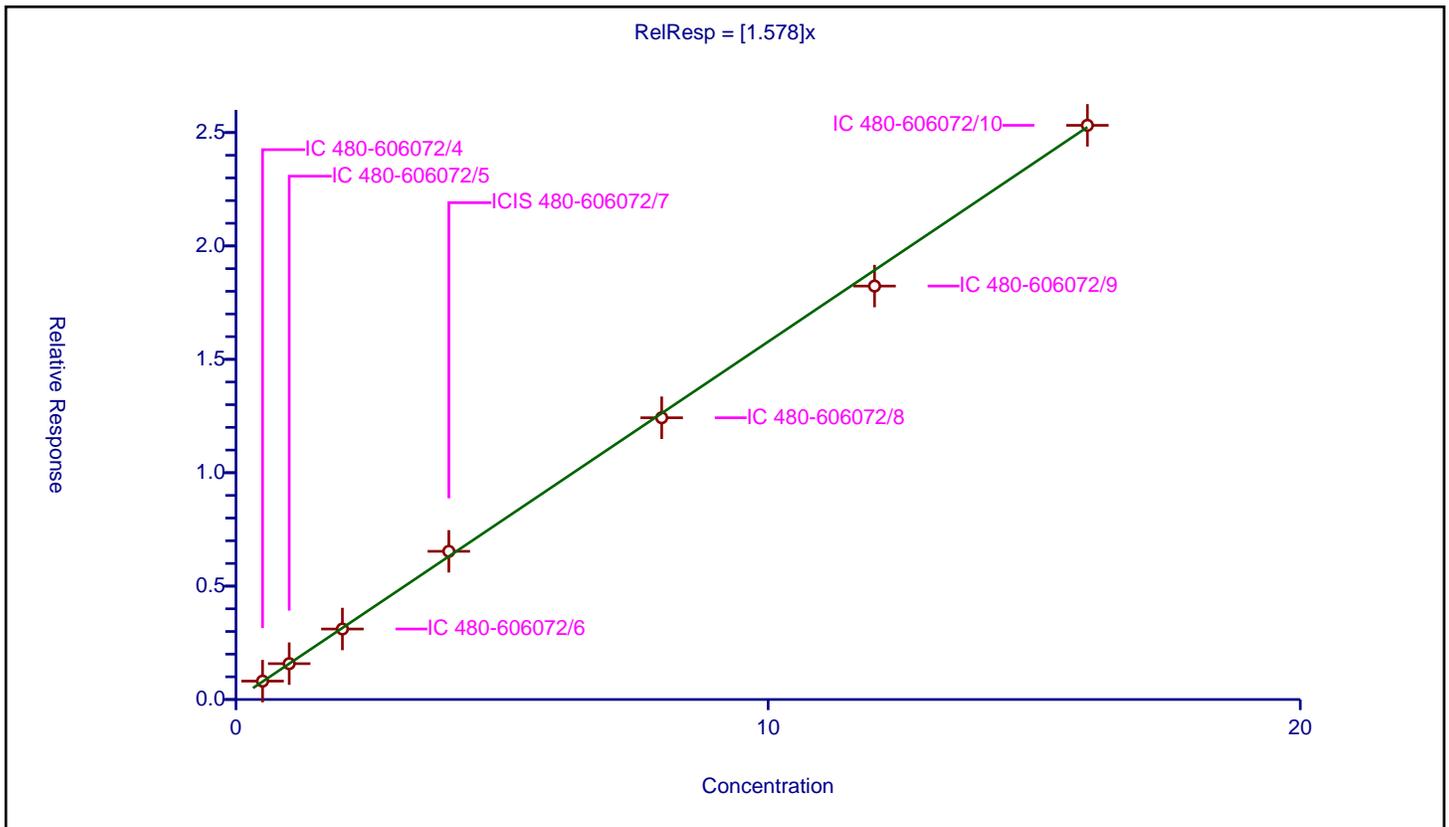
/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.578

Error Coefficients	
Standard Error:	847000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.810666	4.0	214446.0	1.621331	Y
2	IC 480-606072/5	1.0	1.580037	4.0	227863.0	1.580037	Y
3	IC 480-606072/6	2.0	3.108136	4.0	229784.0	1.554068	Y
4	ICIS 480-606072/7	4.0	6.534106	4.0	229228.0	1.633526	Y
5	IC 480-606072/8	8.0	12.423878	4.0	236200.0	1.552985	Y
6	IC 480-606072/9	12.0	18.230924	4.0	242409.0	1.519244	Y
7	IC 480-606072/10	16.0	25.319977	4.0	242686.0	1.582499	Y



Calibration

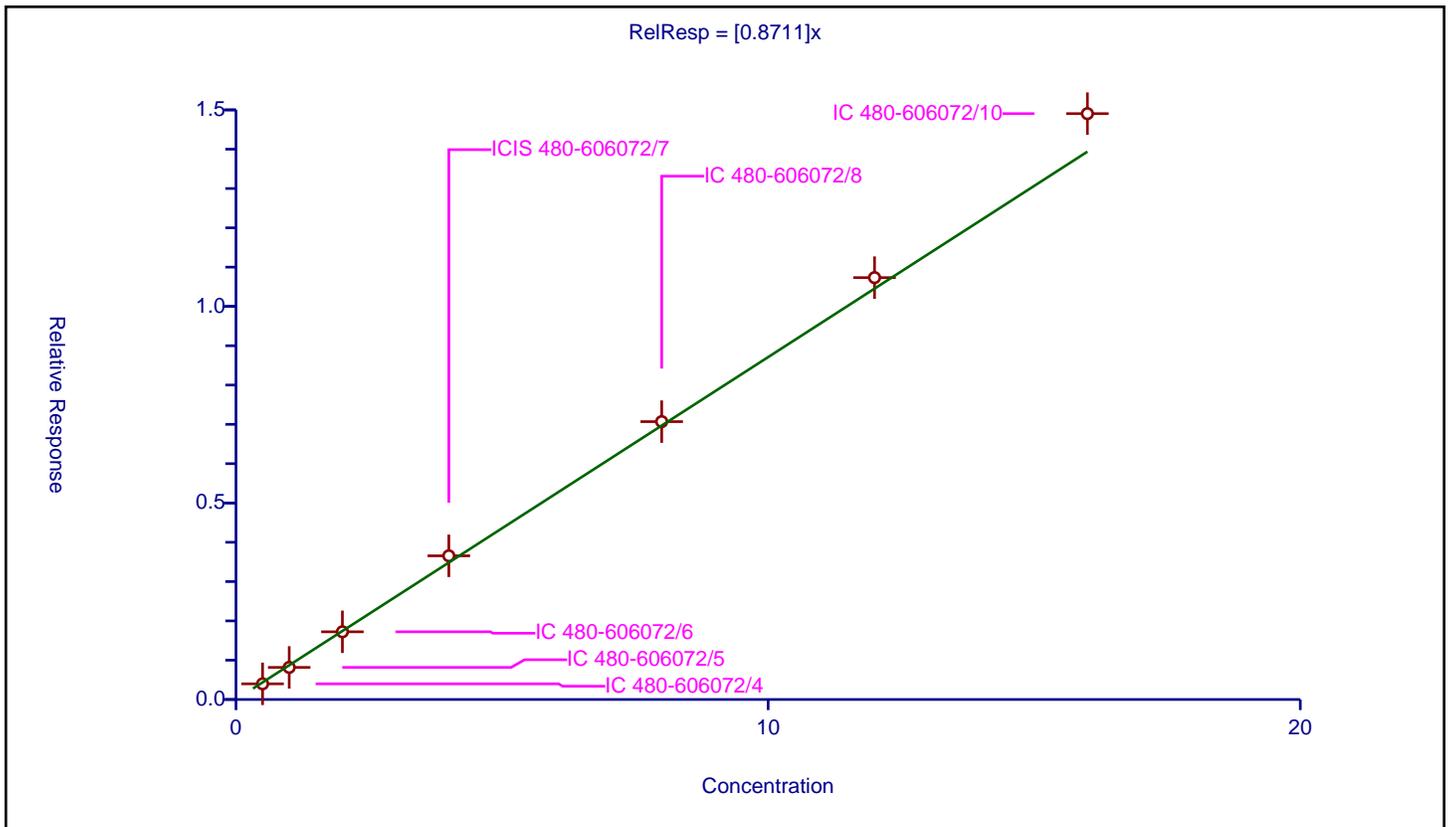
/ Benzyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8711

Error Coefficients	
Standard Error:	495000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.398291	4.0	214446.0	0.796583	Y
2	IC 480-606072/5	1.0	0.816403	4.0	227863.0	0.816403	Y
3	IC 480-606072/6	2.0	1.722226	4.0	229784.0	0.861113	Y
4	ICIS 480-606072/7	4.0	3.655243	4.0	229228.0	0.913811	Y
5	IC 480-606072/8	8.0	7.06945	4.0	236200.0	0.883681	Y
6	IC 480-606072/9	12.0	10.732984	4.0	242409.0	0.894415	Y
7	IC 480-606072/10	16.0	14.90484	4.0	242686.0	0.931552	Y



Calibration

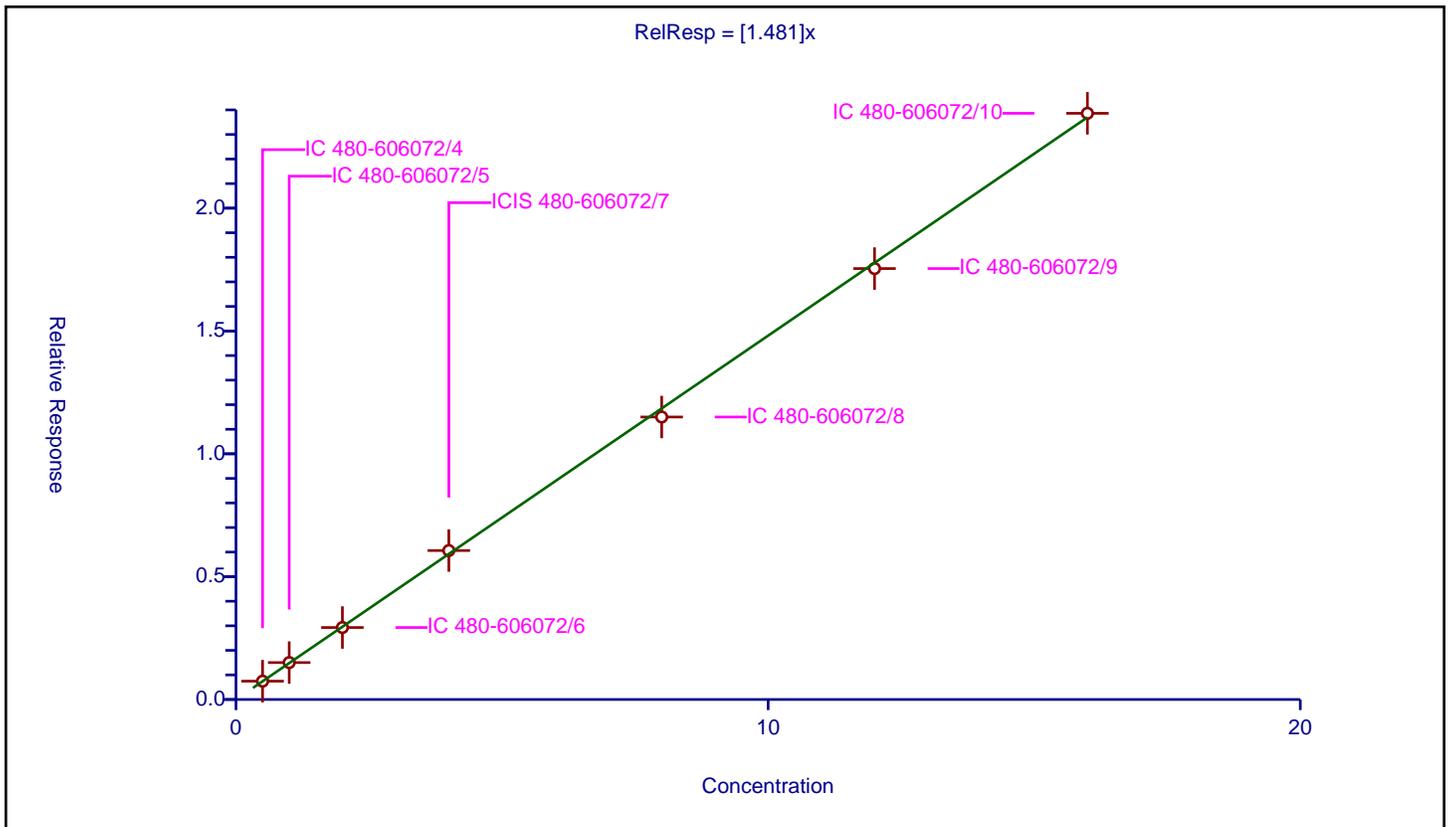
/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.481

Error Coefficients	
Standard Error:	801000
Relative Standard Error:	1.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.746351	4.0	214446.0	1.492702	Y
2	IC 480-606072/5	1.0	1.503395	4.0	227863.0	1.503395	Y
3	IC 480-606072/6	2.0	2.930108	4.0	229784.0	1.465054	Y
4	ICIS 480-606072/7	4.0	6.063343	4.0	229228.0	1.515836	Y
5	IC 480-606072/8	8.0	11.498628	4.0	236200.0	1.437329	Y
6	IC 480-606072/9	12.0	17.541939	4.0	242409.0	1.461828	Y
7	IC 480-606072/10	16.0	23.861055	4.0	242686.0	1.491316	Y



Calibration

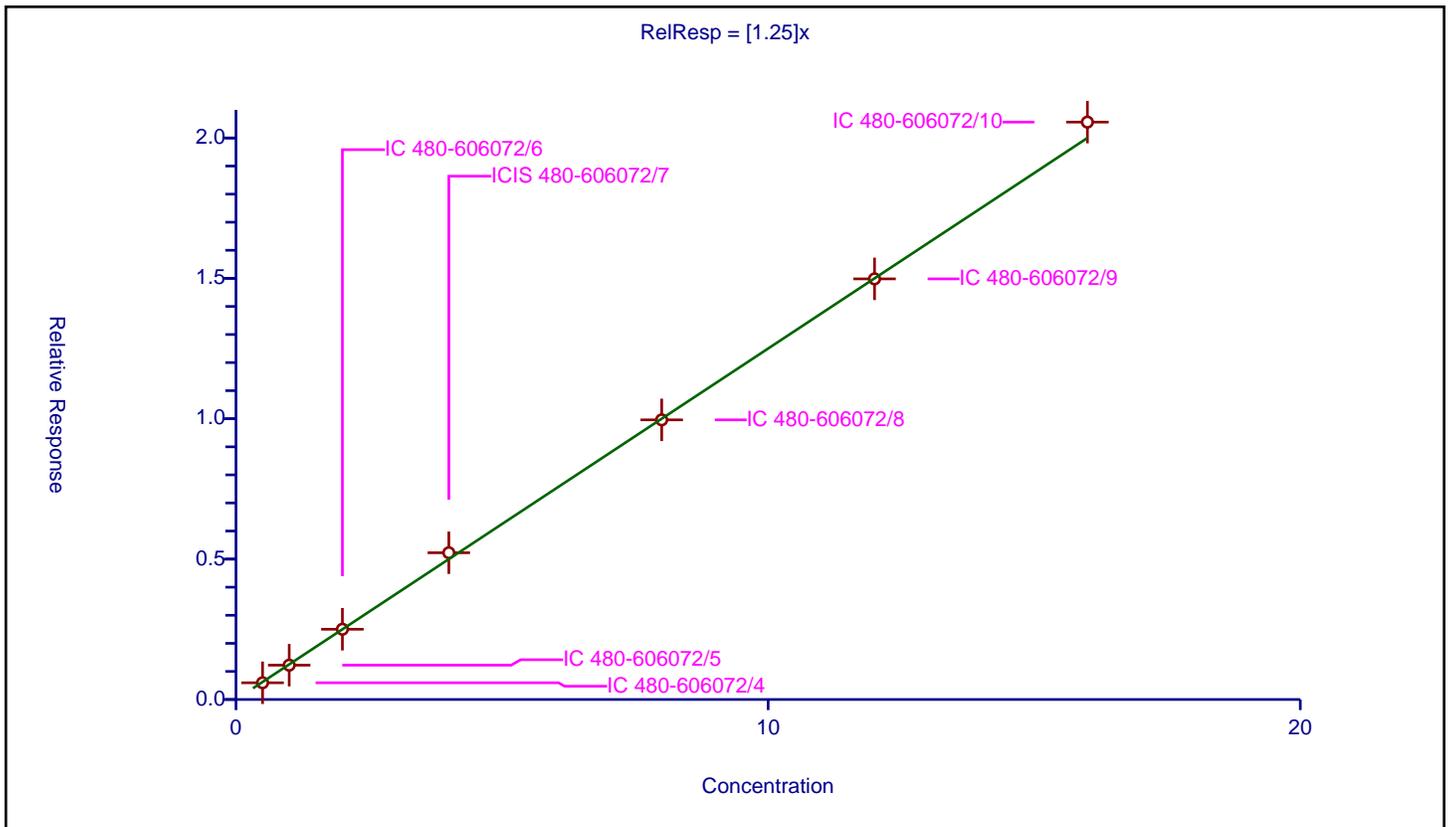
/ 2-Methylphenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.25

Error Coefficients	
Standard Error:	688000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.595339	4.0	214446.0	1.190677	Y
2	IC 480-606072/5	1.0	1.222647	4.0	227863.0	1.222647	Y
3	IC 480-606072/6	2.0	2.502611	4.0	229784.0	1.251306	Y
4	ICIS 480-606072/7	4.0	5.226971	4.0	229228.0	1.306743	Y
5	IC 480-606072/8	8.0	9.960423	4.0	236200.0	1.245053	Y
6	IC 480-606072/9	12.0	14.981836	4.0	242409.0	1.248486	Y
7	IC 480-606072/10	16.0	20.565307	4.0	242686.0	1.285332	Y



Calibration

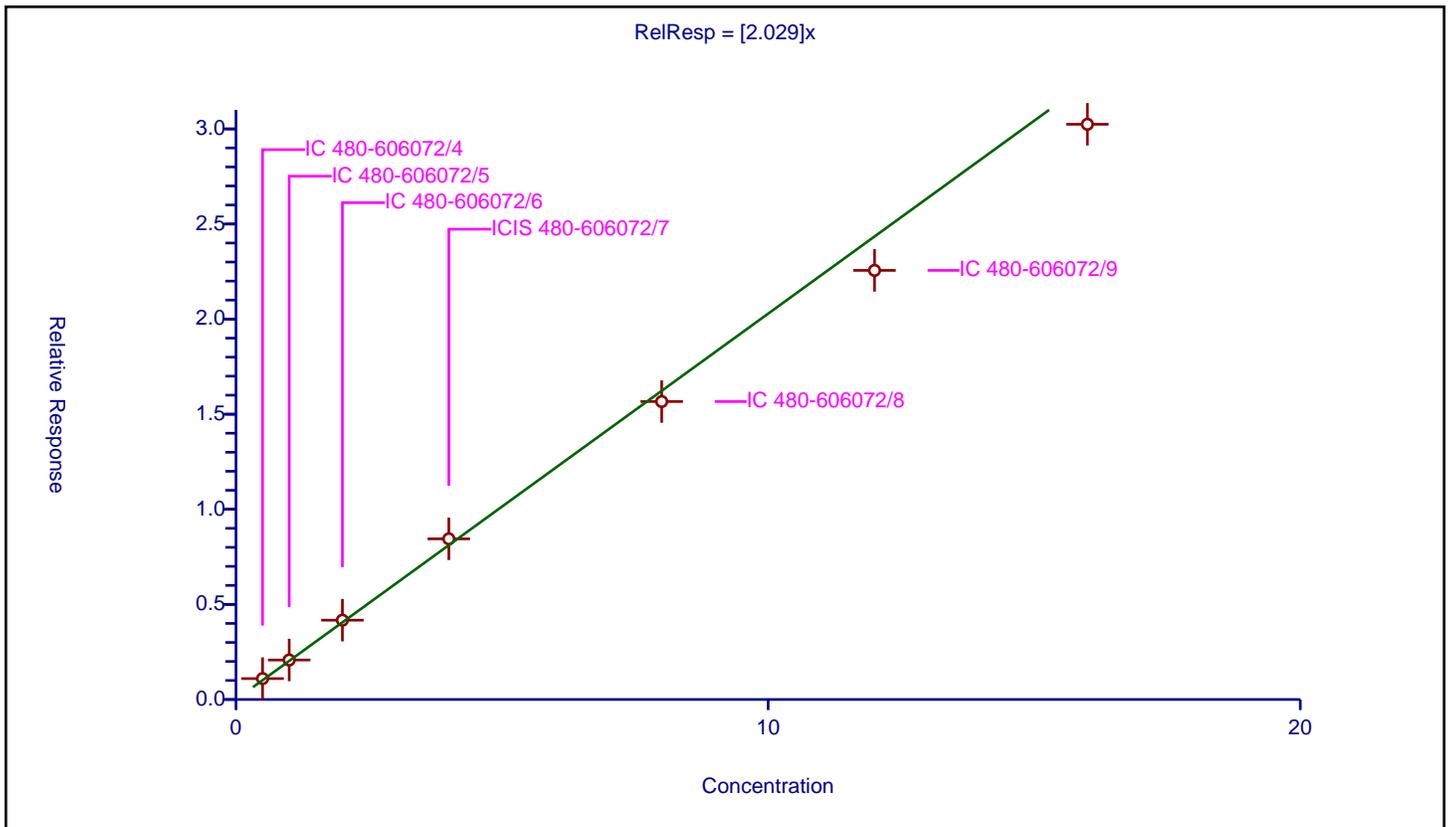
/ 2,2'-oxybis[1-chloropropane]

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.029

Error Coefficients	
Standard Error:	1030000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	1.099745	4.0	214446.0	2.199491	Y
2	IC 480-606072/5	1.0	2.076195	4.0	227863.0	2.076195	Y
3	IC 480-606072/6	2.0	4.169759	4.0	229784.0	2.08488	Y
4	ICIS 480-606072/7	4.0	8.446246	4.0	229228.0	2.111561	Y
5	IC 480-606072/8	8.0	15.665216	4.0	236200.0	1.958152	Y
6	IC 480-606072/9	12.0	22.561242	4.0	242409.0	1.880103	Y
7	IC 480-606072/10	16.0	30.244332	4.0	242686.0	1.890271	Y



Calibration

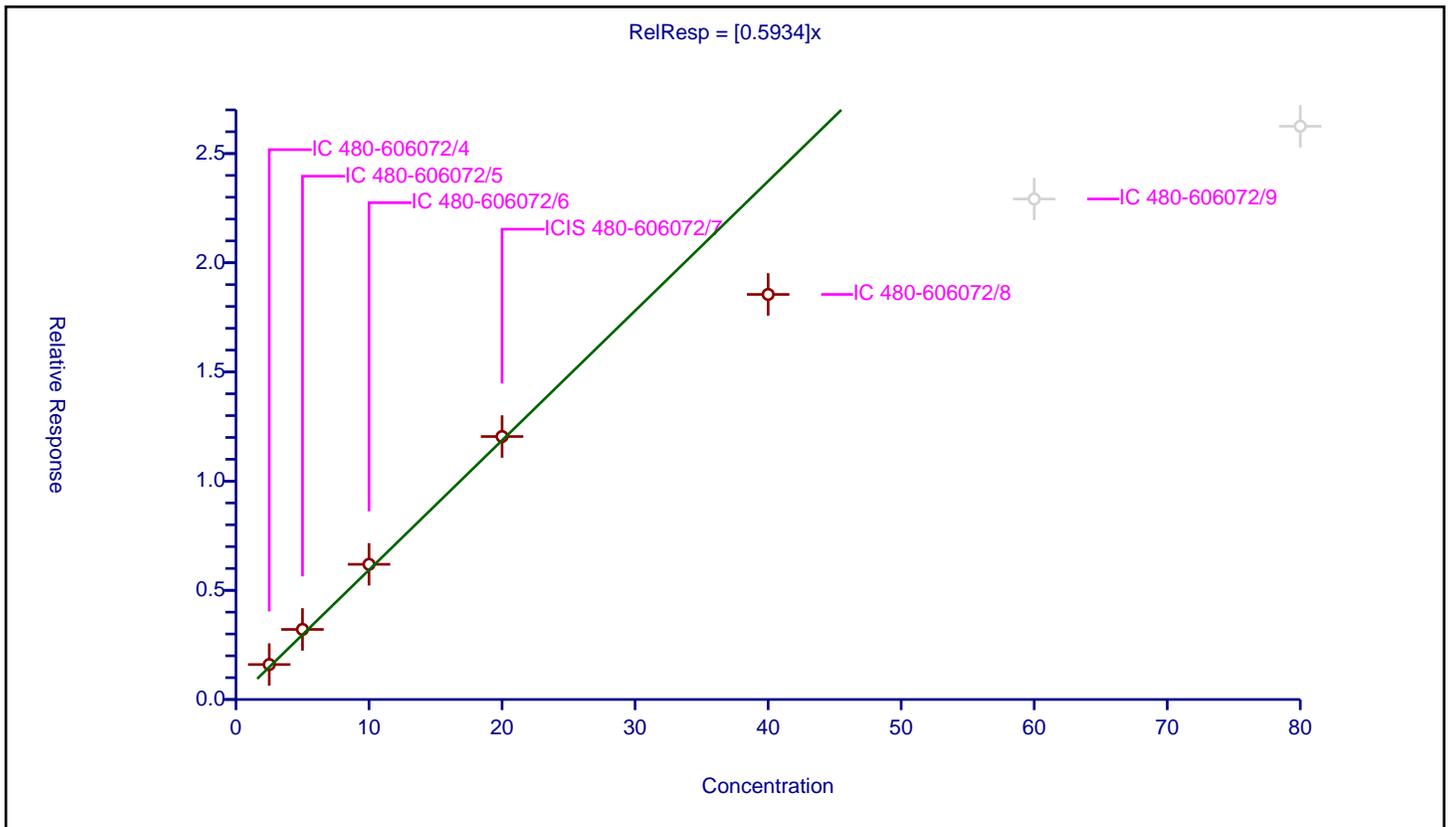
/ Indene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5934

Error Coefficients	
Standard Error:	2710000
Relative Standard Error:	12.5
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	2.5	1.600339	4.0	853329.0	0.640136	Y
2	IC 480-606072/5	5.0	3.209123	4.0	886327.0	0.641825	Y
3	IC 480-606072/6	10.0	6.190408	4.0	919290.0	0.619041	Y
4	ICIS 480-606072/7	20.0	12.041444	4.0	913710.0	0.602072	Y
5	IC 480-606072/8	40.0	18.550305	4.0	945313.0	0.463758	Y
6	IC 480-606072/9	60.0	22.920738	4.0	970997.0	0.382012	N
7	IC 480-606072/10	80.0	26.250484	4.0	1001971.0	0.328131	N



Calibration

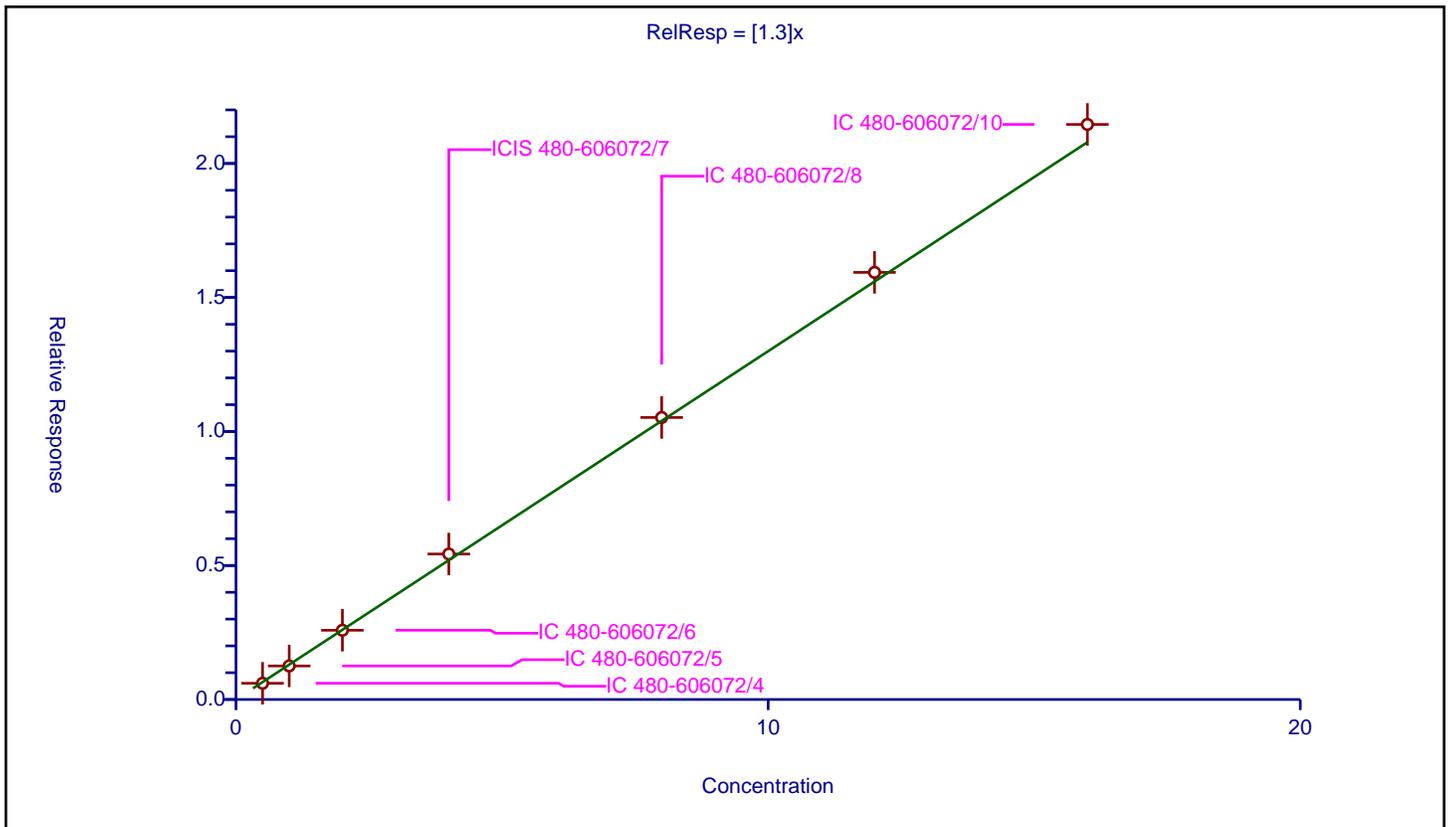
/ 4-Methylphenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.3

Error Coefficients	
Standard Error:	723000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.605896	4.0	214446.0	1.211792	Y
2	IC 480-606072/5	1.0	1.25191	4.0	227863.0	1.25191	Y
3	IC 480-606072/6	2.0	2.583748	4.0	229784.0	1.291874	Y
4	ICIS 480-606072/7	4.0	5.427993	4.0	229228.0	1.356998	Y
5	IC 480-606072/8	8.0	10.522625	4.0	236200.0	1.315328	Y
6	IC 480-606072/9	12.0	15.937329	4.0	242409.0	1.328111	Y
7	IC 480-606072/10	16.0	21.458082	4.0	242686.0	1.34113	Y



Calibration

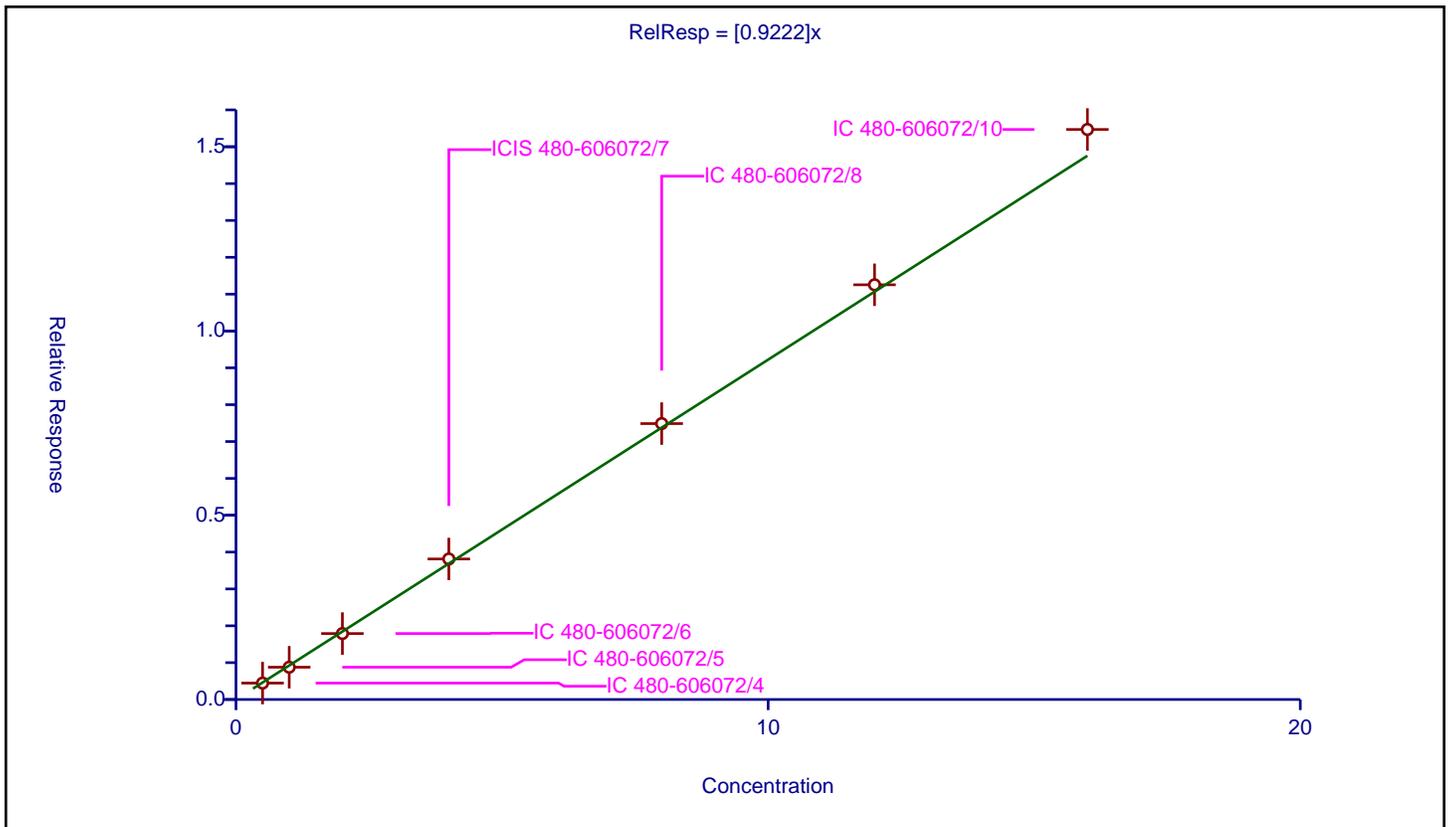
/ N-Nitrosodi-n-propylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9222

Error Coefficients	
Standard Error:	517000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.445352	4.0	214446.0	0.890704	Y
2	IC 480-606072/5	1.0	0.87593	4.0	227863.0	0.87593	Y
3	IC 480-606072/6	2.0	1.789855	4.0	229784.0	0.894927	Y
4	ICIS 480-606072/7	4.0	3.813164	4.0	229228.0	0.953291	Y
5	IC 480-606072/8	8.0	7.487316	4.0	236200.0	0.935914	Y
6	IC 480-606072/9	12.0	11.254203	4.0	242409.0	0.93785	Y
7	IC 480-606072/10	16.0	15.468663	4.0	242686.0	0.966791	Y



Calibration

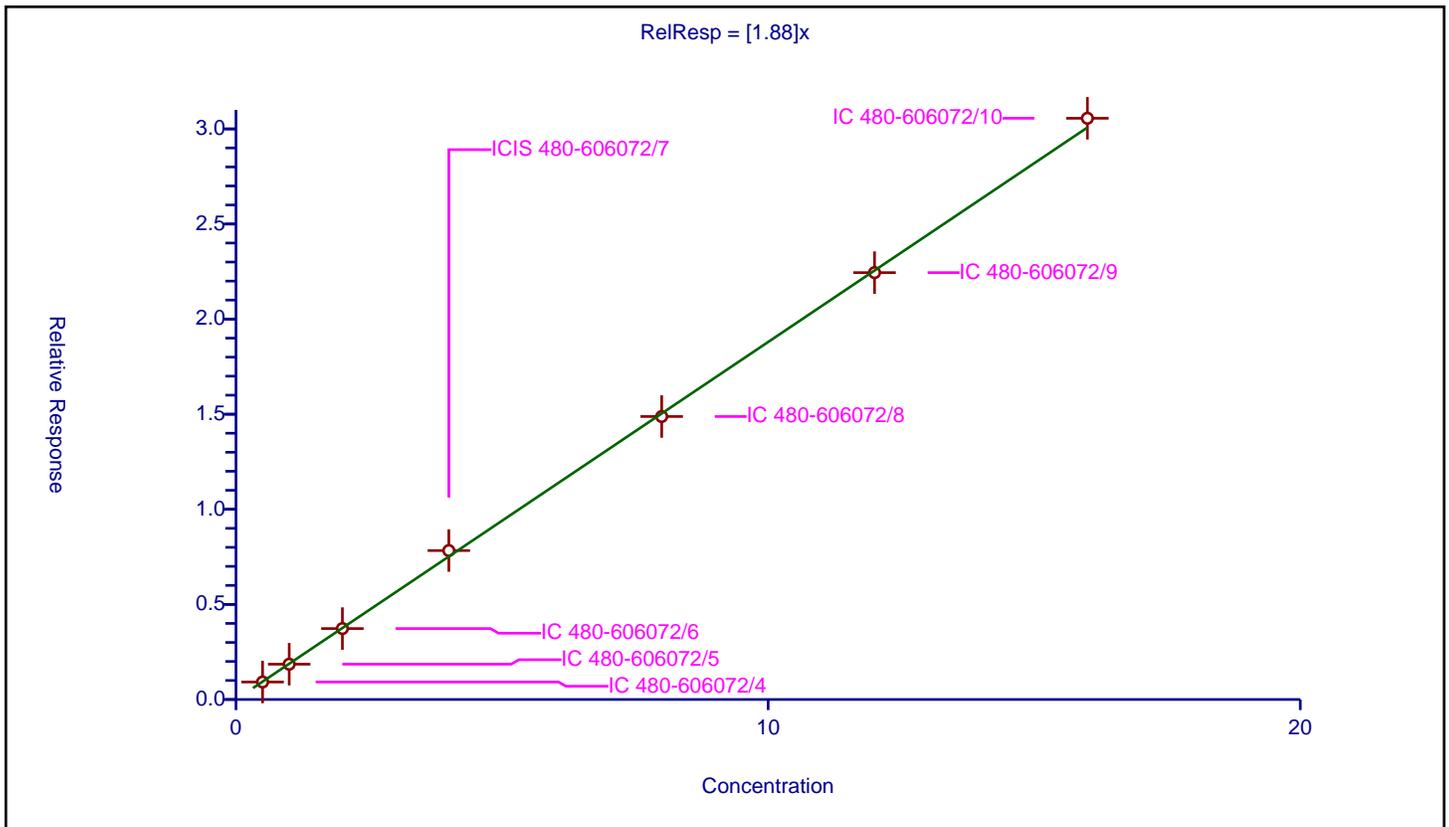
/ Acetophenone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.88

Error Coefficients	
Standard Error:	1030000
Relative Standard Error:	2.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.919392	4.0	214446.0	1.838785	Y
2	IC 480-606072/5	1.0	1.855676	4.0	227863.0	1.855676	Y
3	IC 480-606072/6	2.0	3.730582	4.0	229784.0	1.865291	Y
4	ICIS 480-606072/7	4.0	7.830265	4.0	229228.0	1.957566	Y
5	IC 480-606072/8	8.0	14.878594	4.0	236200.0	1.859824	Y
6	IC 480-606072/9	12.0	22.444398	4.0	242409.0	1.870366	Y
7	IC 480-606072/10	16.0	30.559736	4.0	242686.0	1.909983	Y



Calibration

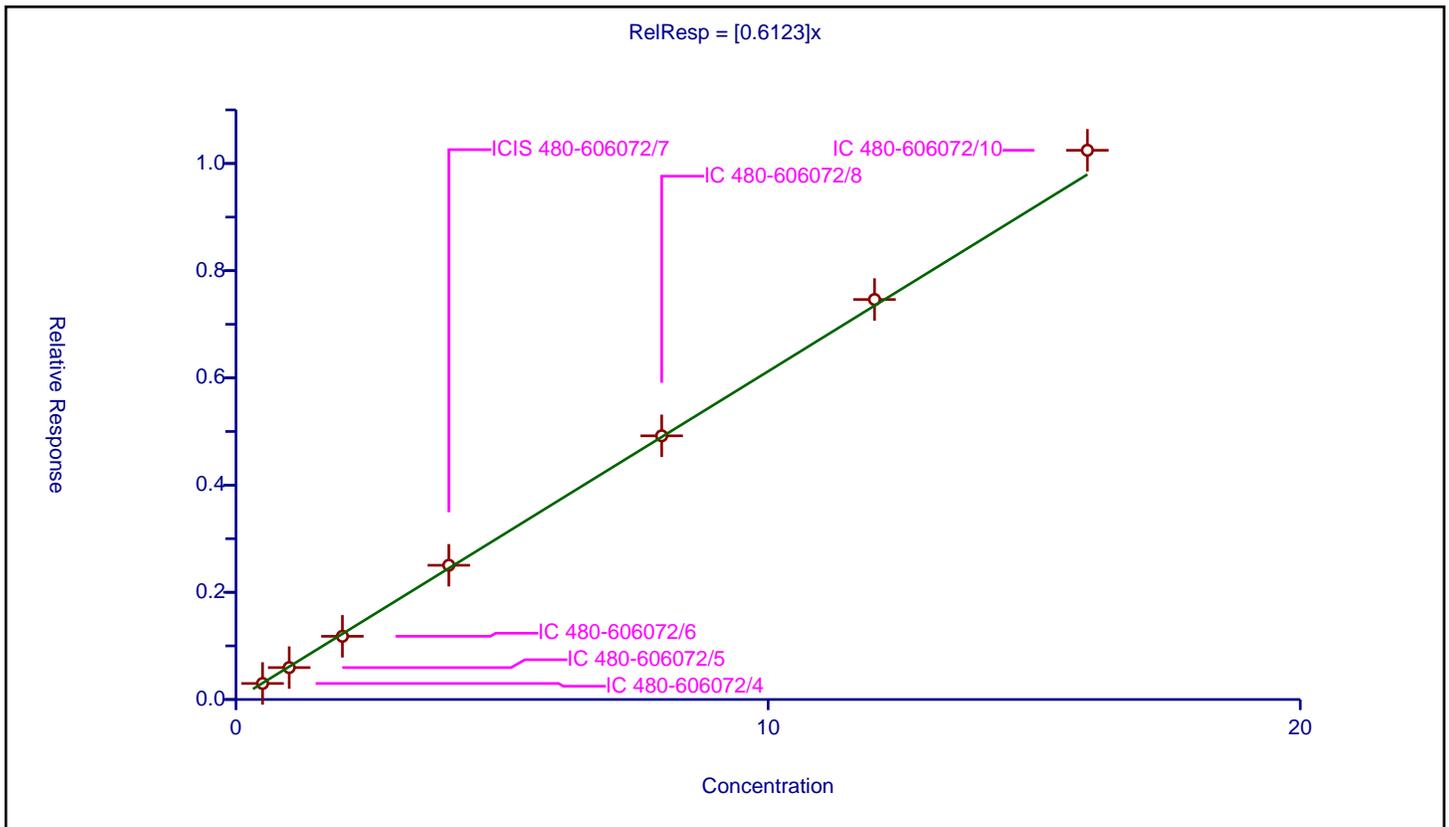
/ Hexachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6123

Error Coefficients	
Standard Error:	342000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.298835	4.0	214446.0	0.59767	Y
2	IC 480-606072/5	1.0	0.595288	4.0	227863.0	0.595288	Y
3	IC 480-606072/6	2.0	1.179038	4.0	229784.0	0.589519	Y
4	ICIS 480-606072/7	4.0	2.504528	4.0	229228.0	0.626132	Y
5	IC 480-606072/8	8.0	4.91939	4.0	236200.0	0.614924	Y
6	IC 480-606072/9	12.0	7.462512	4.0	242409.0	0.621876	Y
7	IC 480-606072/10	16.0	10.246656	4.0	242686.0	0.640416	Y



Calibration

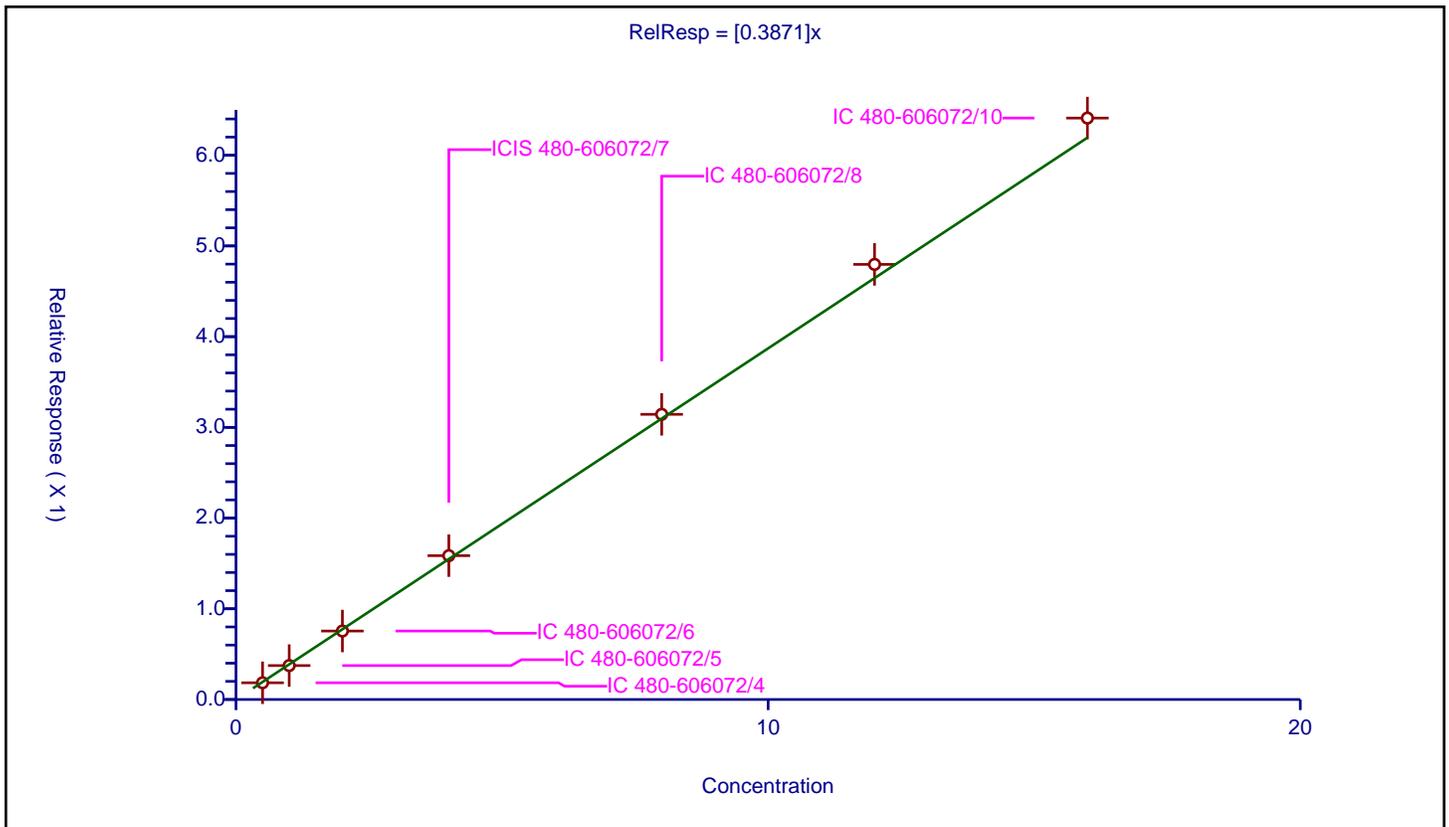
/ Nitrobenzene-d5

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3871

Error Coefficients	
Standard Error:	881000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.184267	4.0	853329.0	0.368533	Y
2	IC 480-606072/5	1.0	0.373939	4.0	886327.0	0.373939	Y
3	IC 480-606072/6	2.0	0.754983	4.0	919290.0	0.377491	Y
4	ICIS 480-606072/7	4.0	1.585702	4.0	913710.0	0.396426	Y
5	IC 480-606072/8	8.0	3.143725	4.0	945313.0	0.392966	Y
6	IC 480-606072/9	12.0	4.796575	4.0	970997.0	0.399715	Y
7	IC 480-606072/10	16.0	6.409922	4.0	1001971.0	0.40062	Y



Calibration

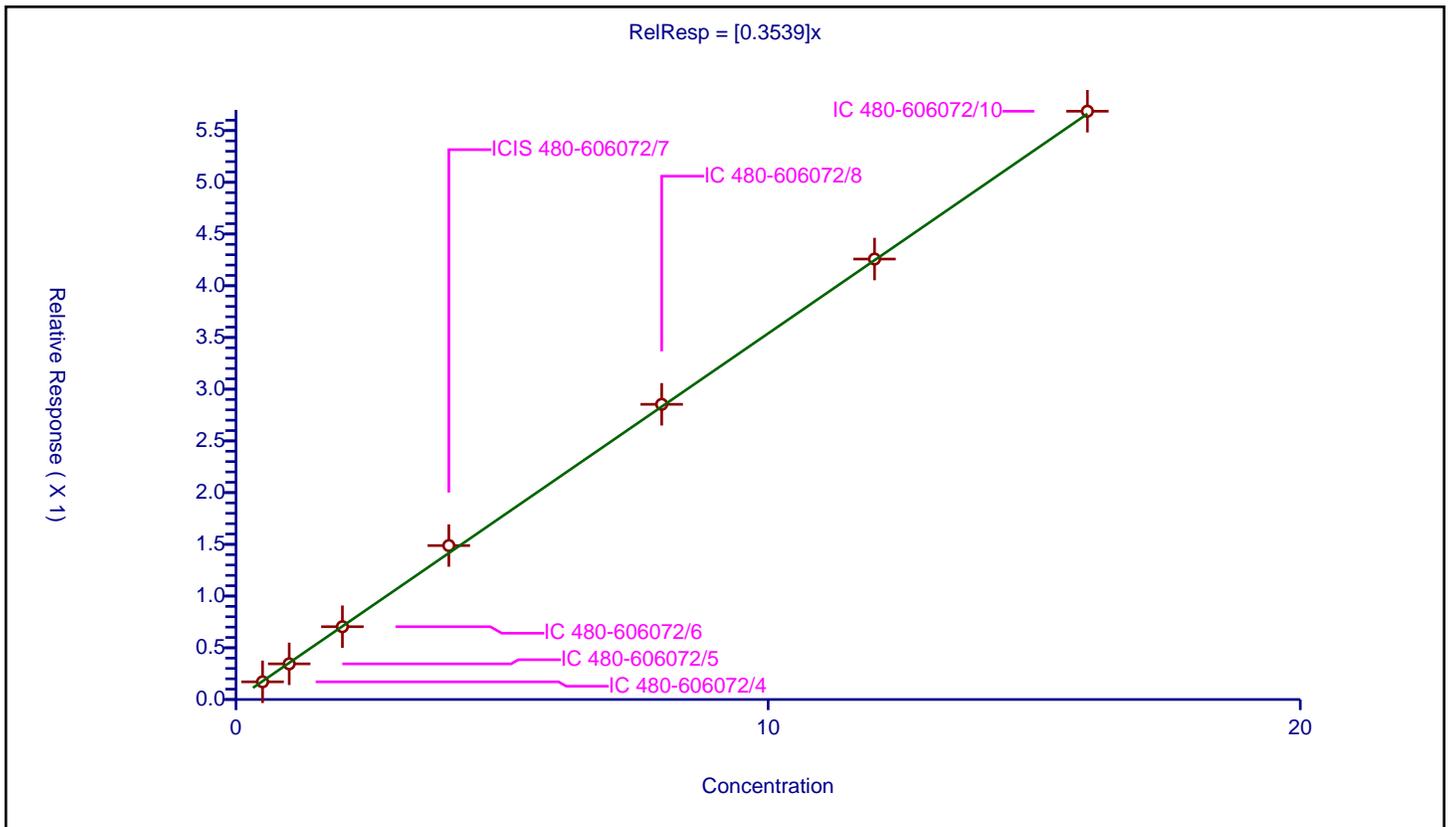
/ Nitrobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3539

Error Coefficients	
Standard Error:	785000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.170823	4.0	853329.0	0.341645	Y
2	IC 480-606072/5	1.0	0.344609	4.0	886327.0	0.344609	Y
3	IC 480-606072/6	2.0	0.703726	4.0	919290.0	0.351863	Y
4	ICIS 480-606072/7	4.0	1.488048	4.0	913710.0	0.372012	Y
5	IC 480-606072/8	8.0	2.853747	4.0	945313.0	0.356718	Y
6	IC 480-606072/9	12.0	4.258089	4.0	970997.0	0.354841	Y
7	IC 480-606072/10	16.0	5.687211	4.0	1001971.0	0.355451	Y



Calibration

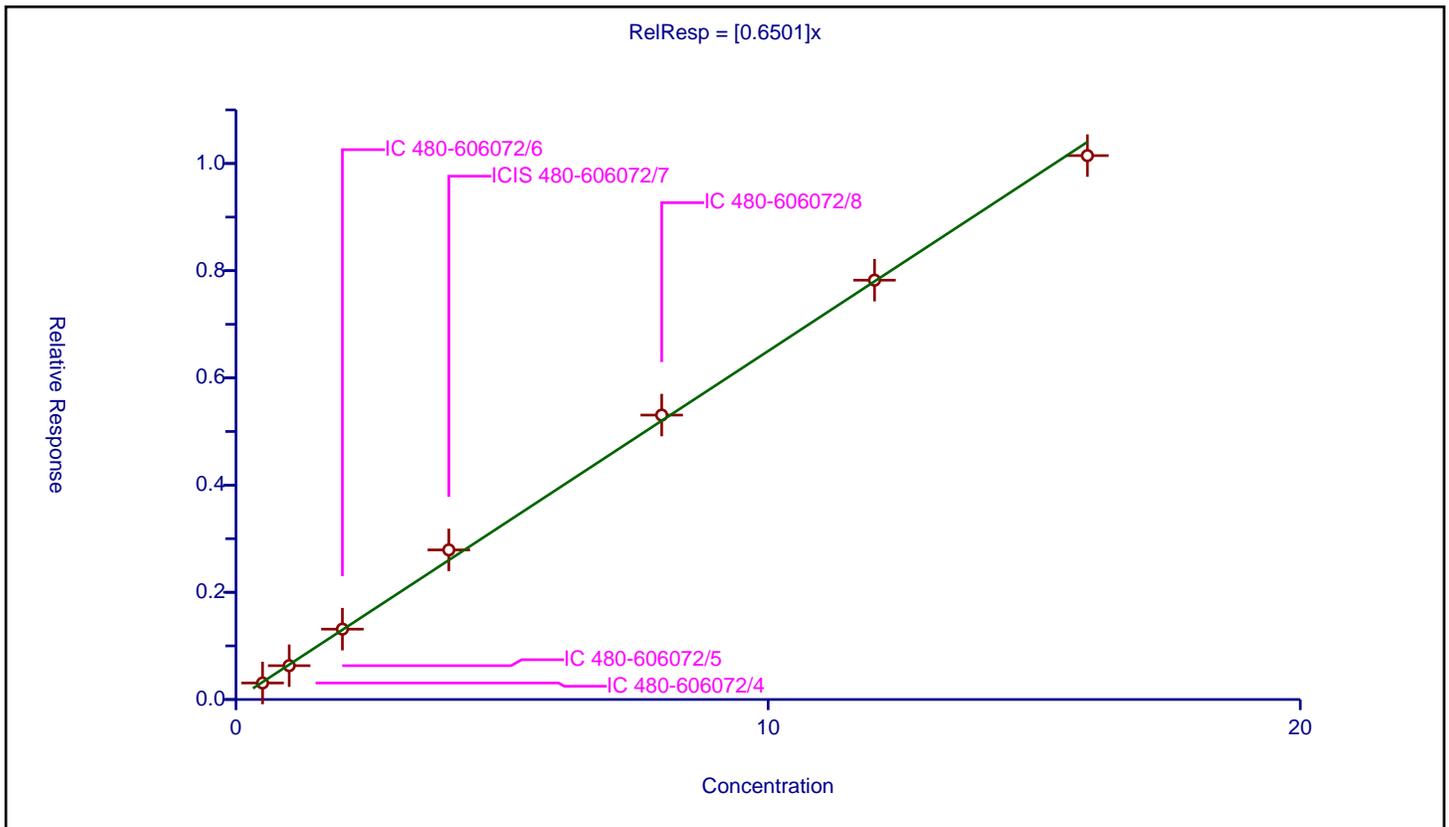
/ Isophorone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6501

Error Coefficients	
Standard Error:	1420000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.307919	4.0	853329.0	0.615838	Y
2	IC 480-606072/5	1.0	0.631207	4.0	886327.0	0.631207	Y
3	IC 480-606072/6	2.0	1.312874	4.0	919290.0	0.656437	Y
4	ICIS 480-606072/7	4.0	2.790505	4.0	913710.0	0.697626	Y
5	IC 480-606072/8	8.0	5.306247	4.0	945313.0	0.663281	Y
6	IC 480-606072/9	12.0	7.823361	4.0	970997.0	0.651947	Y
7	IC 480-606072/10	16.0	10.14702	4.0	1001971.0	0.634189	Y



Calibration

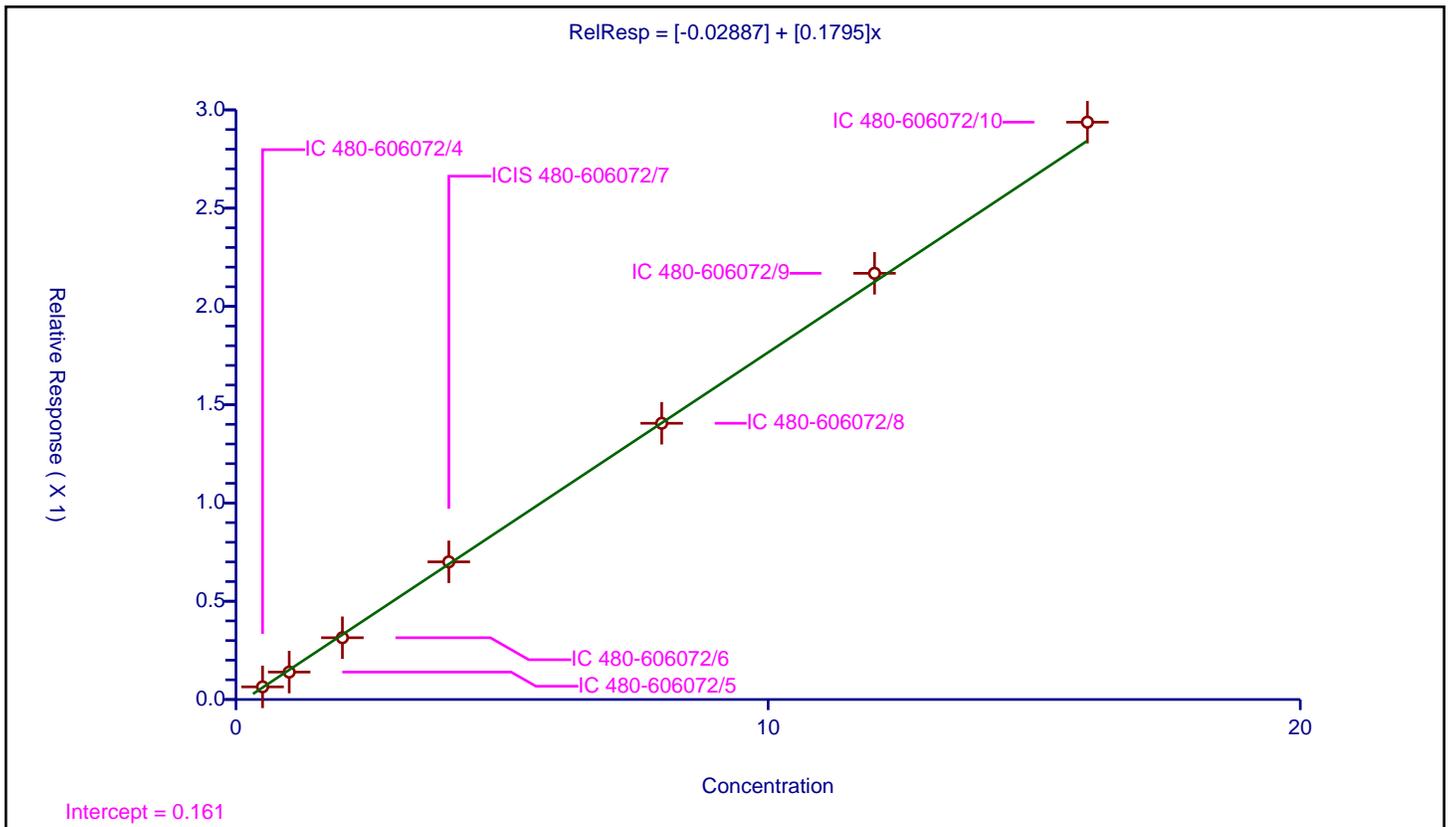
/ 2-Nitrophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.02887
Slope:	0.1795

Error Coefficients	
Standard Error:	438000
Relative Standard Error:	4.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.064285	4.0	853329.0	0.128569	Y
2	IC 480-606072/5	1.0	0.139592	4.0	886327.0	0.139592	Y
3	IC 480-606072/6	2.0	0.314303	4.0	919290.0	0.157152	Y
4	ICIS 480-606072/7	4.0	0.700354	4.0	913710.0	0.175088	Y
5	IC 480-606072/8	8.0	1.405431	4.0	945313.0	0.175679	Y
6	IC 480-606072/9	12.0	2.168485	4.0	970997.0	0.180707	Y
7	IC 480-606072/10	16.0	2.937478	4.0	1001971.0	0.183592	Y



Calibration

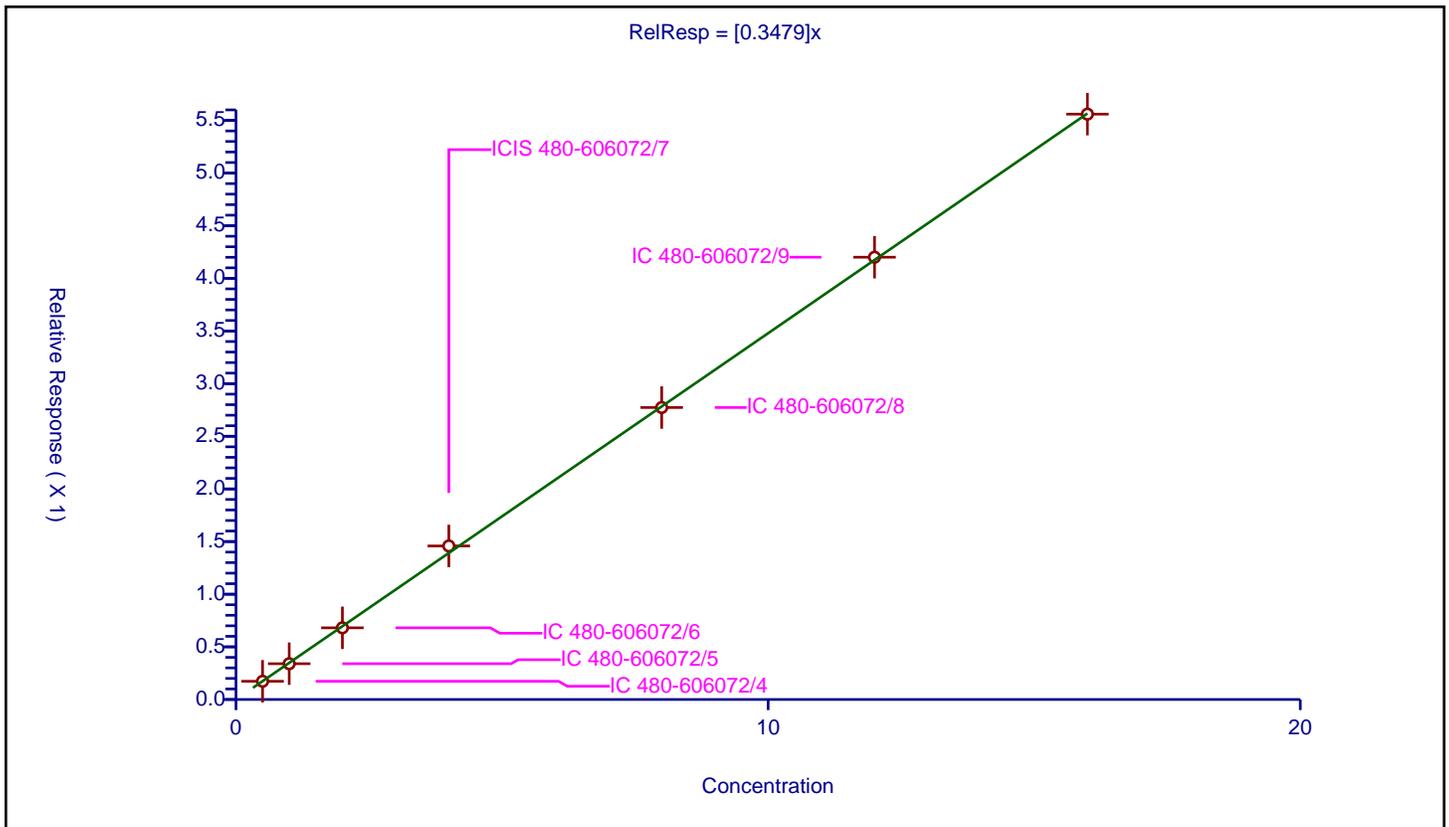
/ 2,4-Dimethylphenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3479

Error Coefficients	
Standard Error:	769000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.173059	4.0	853329.0	0.346117	Y
2	IC 480-606072/5	1.0	0.33992	4.0	886327.0	0.33992	Y
3	IC 480-606072/6	2.0	0.680782	4.0	919290.0	0.340391	Y
4	ICIS 480-606072/7	4.0	1.458292	4.0	913710.0	0.364573	Y
5	IC 480-606072/8	8.0	2.773215	4.0	945313.0	0.346652	Y
6	IC 480-606072/9	12.0	4.200676	4.0	970997.0	0.350056	Y
7	IC 480-606072/10	16.0	5.559586	4.0	1001971.0	0.347474	Y



Calibration

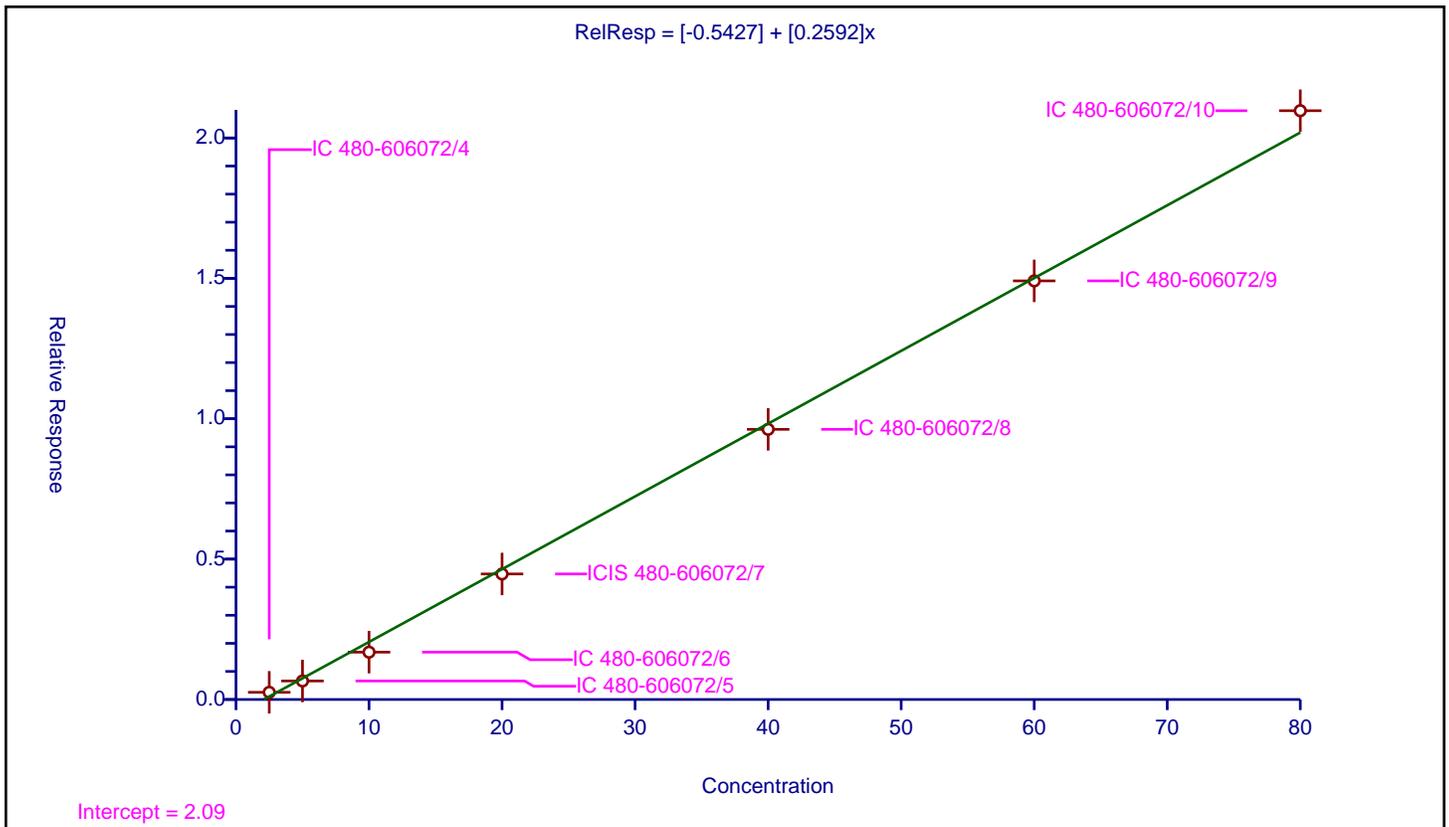
/ Benzoic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.5427
Slope:	0.2592

Error Coefficients	
Standard Error:	3070000
Relative Standard Error:	12.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	2.5	0.256712	4.0	853329.0	0.102685	Y
2	IC 480-606072/5	5.0	0.659571	4.0	886327.0	0.131914	Y
3	IC 480-606072/6	10.0	1.686066	4.0	919290.0	0.168607	Y
4	ICIS 480-606072/7	20.0	4.47095	4.0	913710.0	0.223548	Y
5	IC 480-606072/8	40.0	9.622057	4.0	945313.0	0.240551	Y
6	IC 480-606072/9	60.0	14.90985	4.0	970997.0	0.248498	Y
7	IC 480-606072/10	80.0	20.971026	4.0	1001971.0	0.262138	Y



Calibration

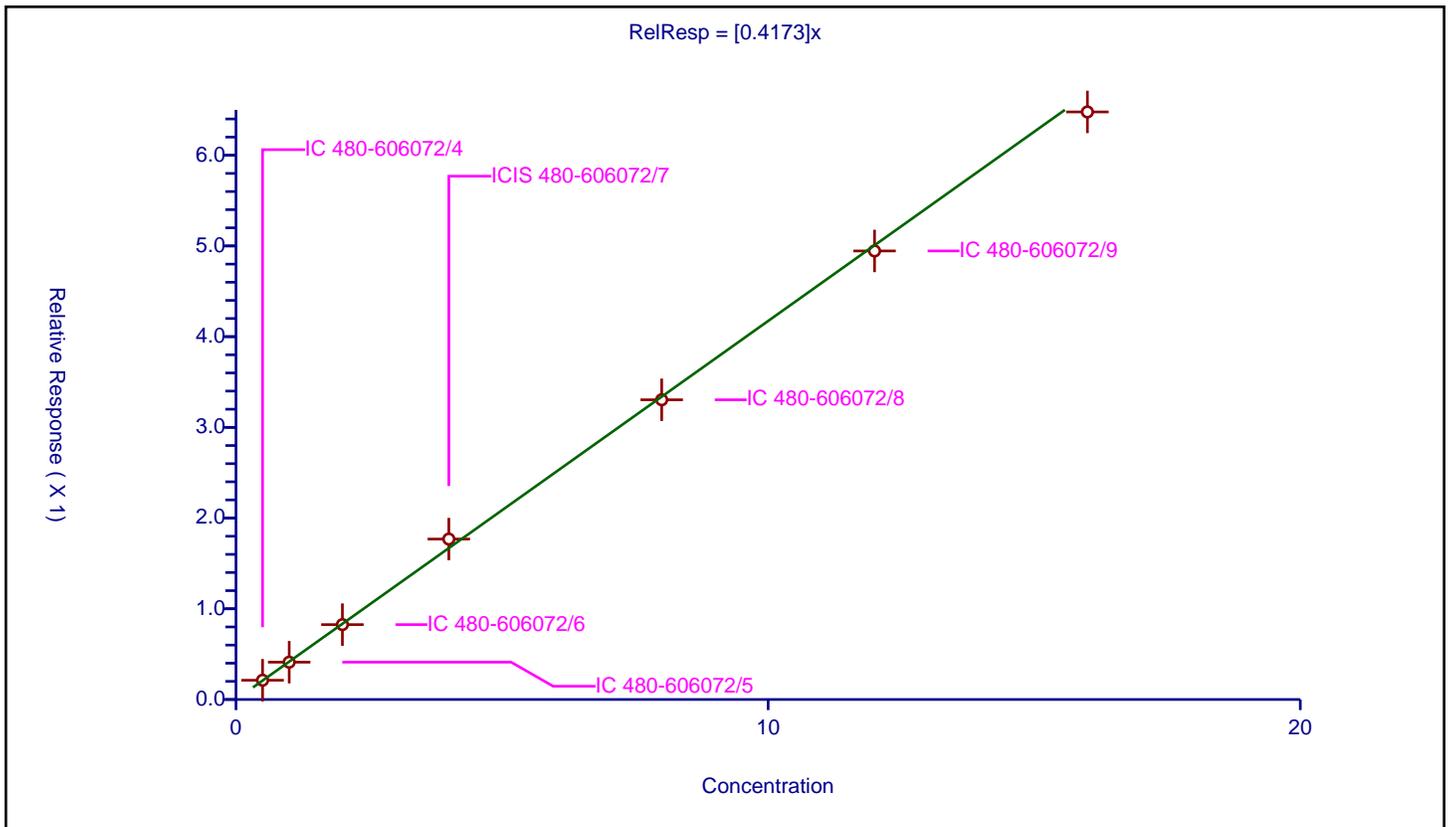
/ Bis(2-chloroethoxy)methane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4173

Error Coefficients	
Standard Error:	903000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.212345	4.0	853329.0	0.42469	Y
2	IC 480-606072/5	1.0	0.41137	4.0	886327.0	0.41137	Y
3	IC 480-606072/6	2.0	0.825729	4.0	919290.0	0.412864	Y
4	ICIS 480-606072/7	4.0	1.768649	4.0	913710.0	0.442162	Y
5	IC 480-606072/8	8.0	3.304171	4.0	945313.0	0.413021	Y
6	IC 480-606072/9	12.0	4.944872	4.0	970997.0	0.412073	Y
7	IC 480-606072/10	16.0	6.477413	4.0	1001971.0	0.404838	Y



Calibration

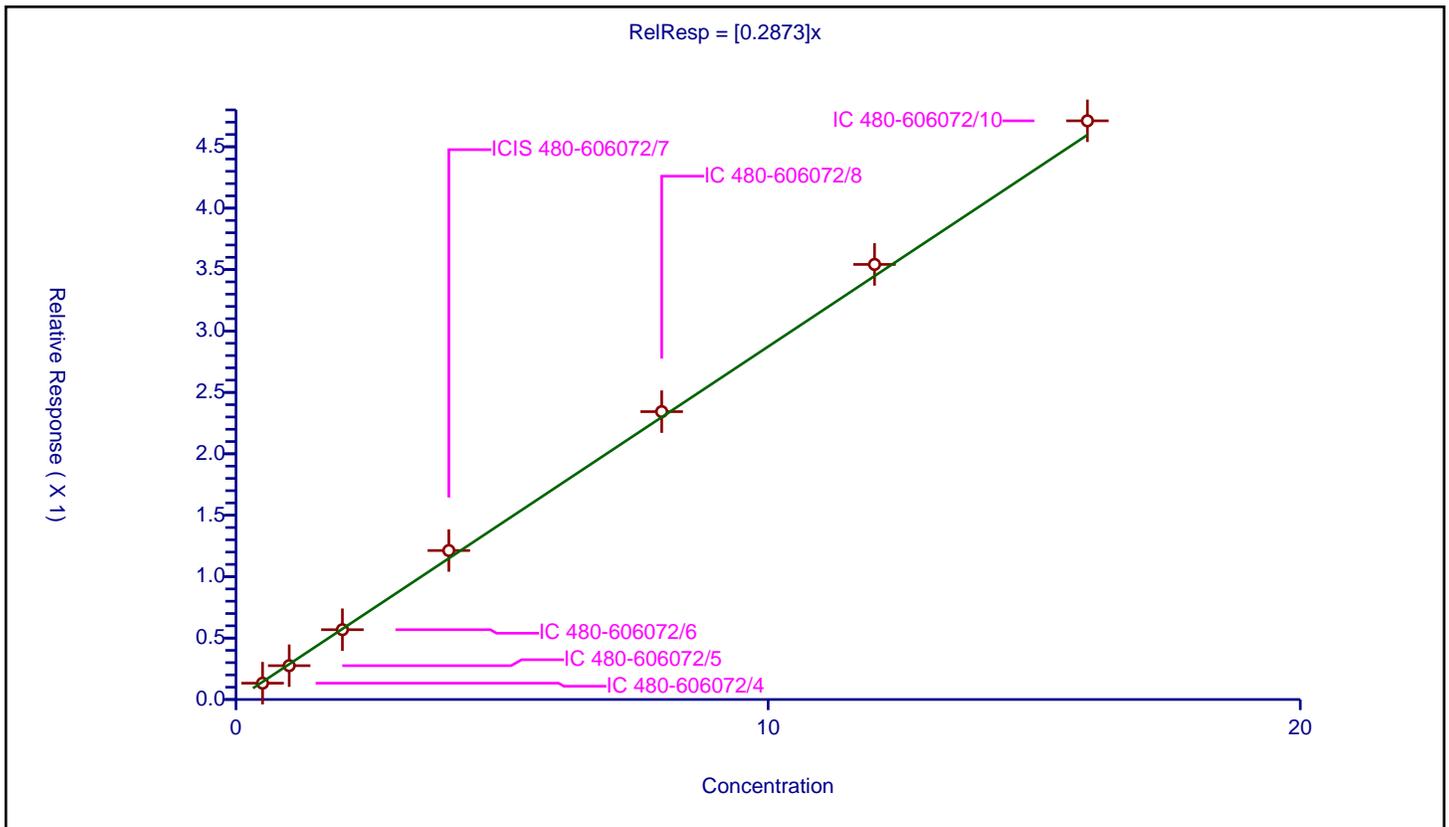
/ 2,4-Dichlorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2873

Error Coefficients	
Standard Error:	650000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.132919	4.0	853329.0	0.265839	Y
2	IC 480-606072/5	1.0	0.275284	4.0	886327.0	0.275284	Y
3	IC 480-606072/6	2.0	0.568243	4.0	919290.0	0.284121	Y
4	ICIS 480-606072/7	4.0	1.212801	4.0	913710.0	0.3032	Y
5	IC 480-606072/8	8.0	2.343461	4.0	945313.0	0.292933	Y
6	IC 480-606072/9	12.0	3.541964	4.0	970997.0	0.295164	Y
7	IC 480-606072/10	16.0	4.710971	4.0	1001971.0	0.294436	Y



Calibration

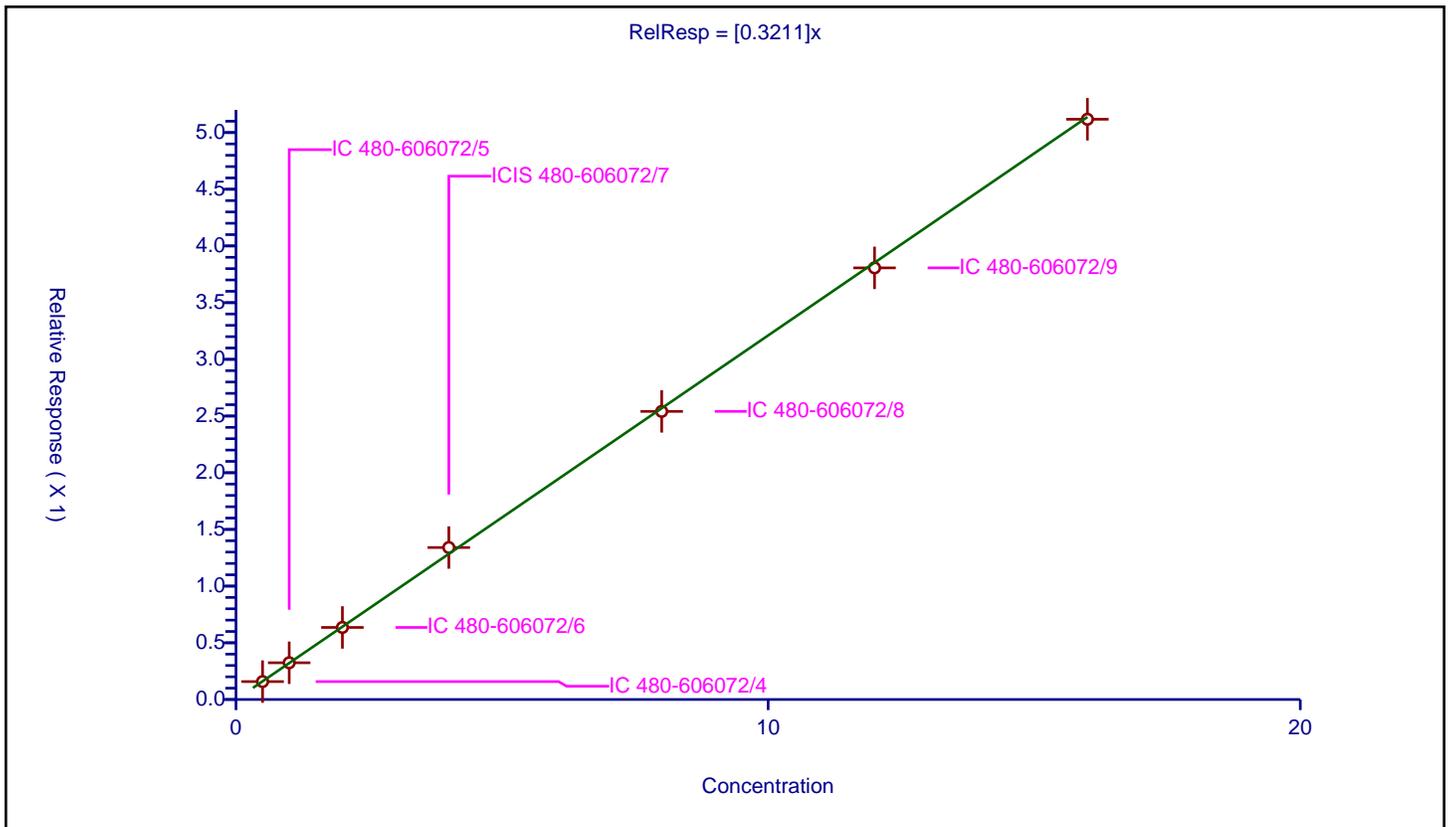
/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3211

Error Coefficients	
Standard Error:	705000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.15804	4.0	853329.0	0.31608	Y
2	IC 480-606072/5	1.0	0.323998	4.0	886327.0	0.323998	Y
3	IC 480-606072/6	2.0	0.635451	4.0	919290.0	0.317726	Y
4	ICIS 480-606072/7	4.0	1.340202	4.0	913710.0	0.335051	Y
5	IC 480-606072/8	8.0	2.540978	4.0	945313.0	0.317622	Y
6	IC 480-606072/9	12.0	3.806669	4.0	970997.0	0.317222	Y
7	IC 480-606072/10	16.0	5.117561	4.0	1001971.0	0.319848	Y



Calibration

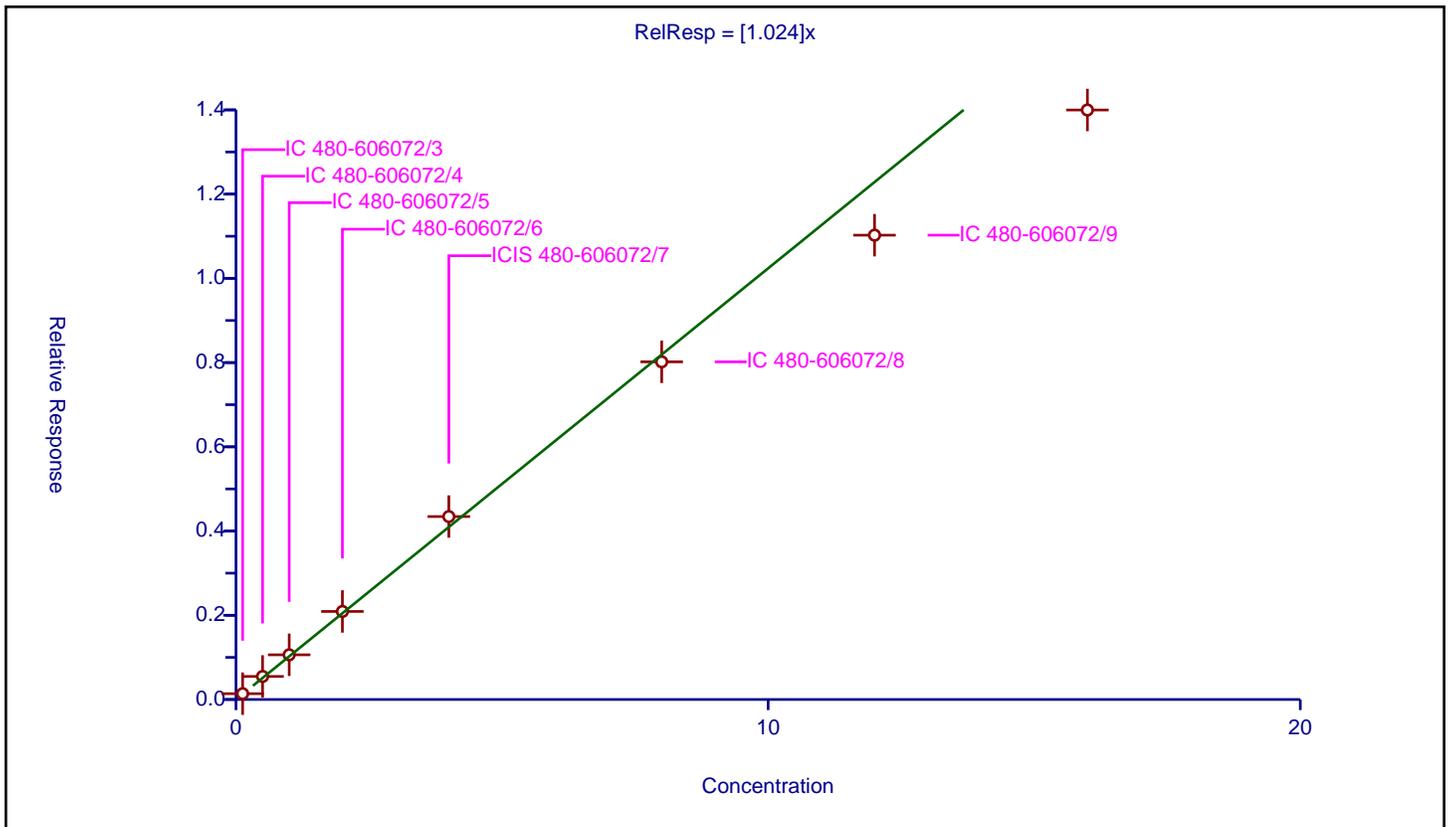
/ Naphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.024

Error Coefficients	
Standard Error:	1860000
Relative Standard Error:	8.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.138473	4.0	843545.0	1.107782	Y
2	IC 480-606072/4	0.5	0.547231	4.0	853329.0	1.094462	Y
3	IC 480-606072/5	1.0	1.061008	4.0	886327.0	1.061008	Y
4	IC 480-606072/6	2.0	2.090435	4.0	919290.0	1.045218	Y
5	ICIS 480-606072/7	4.0	4.343601	4.0	913710.0	1.0859	Y
6	IC 480-606072/8	8.0	8.017548	4.0	945313.0	1.002193	Y
7	IC 480-606072/9	12.0	11.025019	4.0	970997.0	0.918752	Y
8	IC 480-606072/10	16.0	13.997463	4.0	1001971.0	0.874841	Y



Calibration

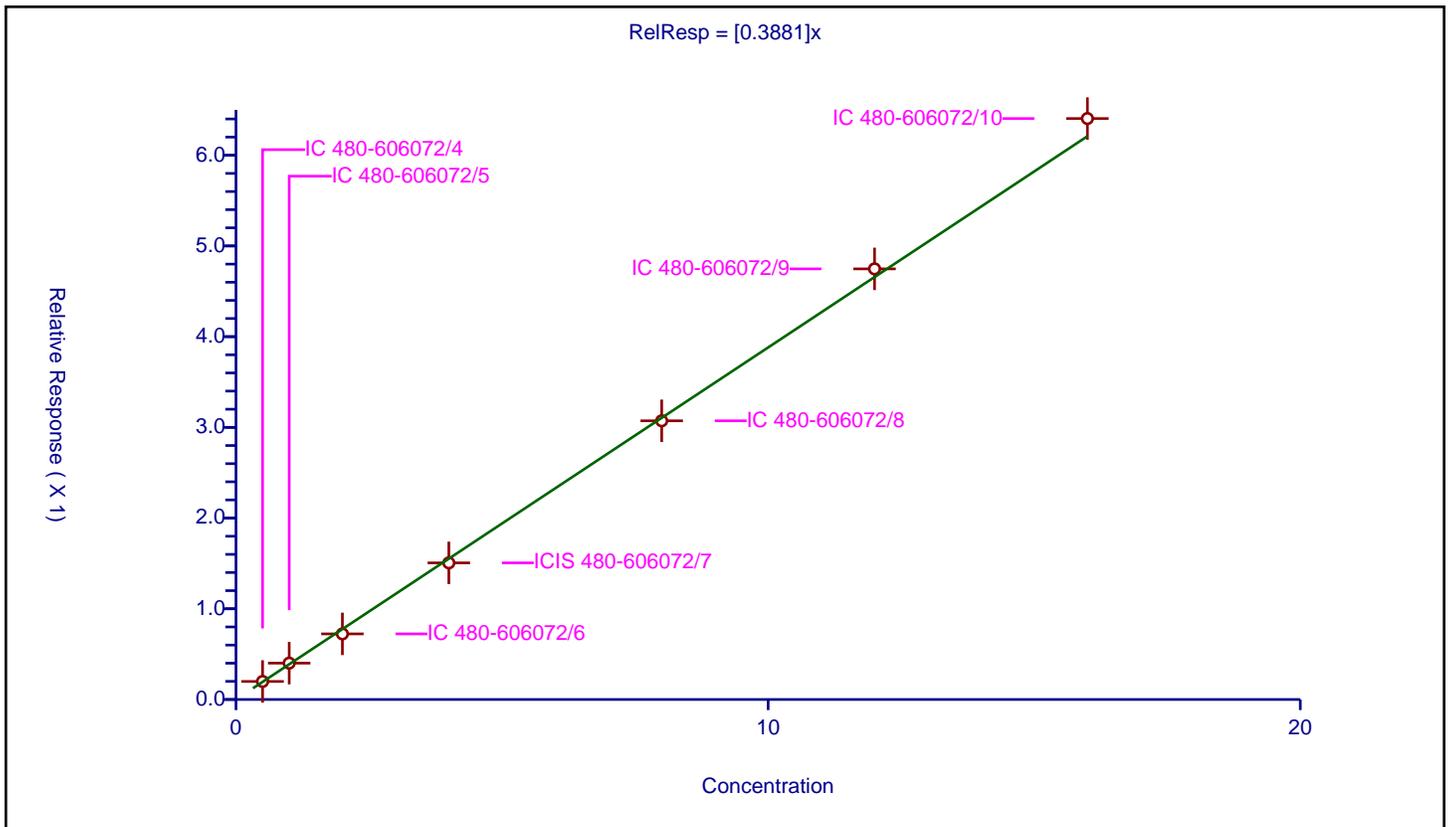
/ 4-Chloroaniline

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3881

Error Coefficients	
Standard Error:	874000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.198784	4.0	853329.0	0.397568	Y
2	IC 480-606072/5	1.0	0.400868	4.0	886327.0	0.400868	Y
3	IC 480-606072/6	2.0	0.72321	4.0	919290.0	0.361605	Y
4	ICIS 480-606072/7	4.0	1.506277	4.0	913710.0	0.376569	Y
5	IC 480-606072/8	8.0	3.072447	4.0	945313.0	0.384056	Y
6	IC 480-606072/9	12.0	4.747331	4.0	970997.0	0.395611	Y
7	IC 480-606072/10	16.0	6.404748	4.0	1001971.0	0.400297	Y



Calibration

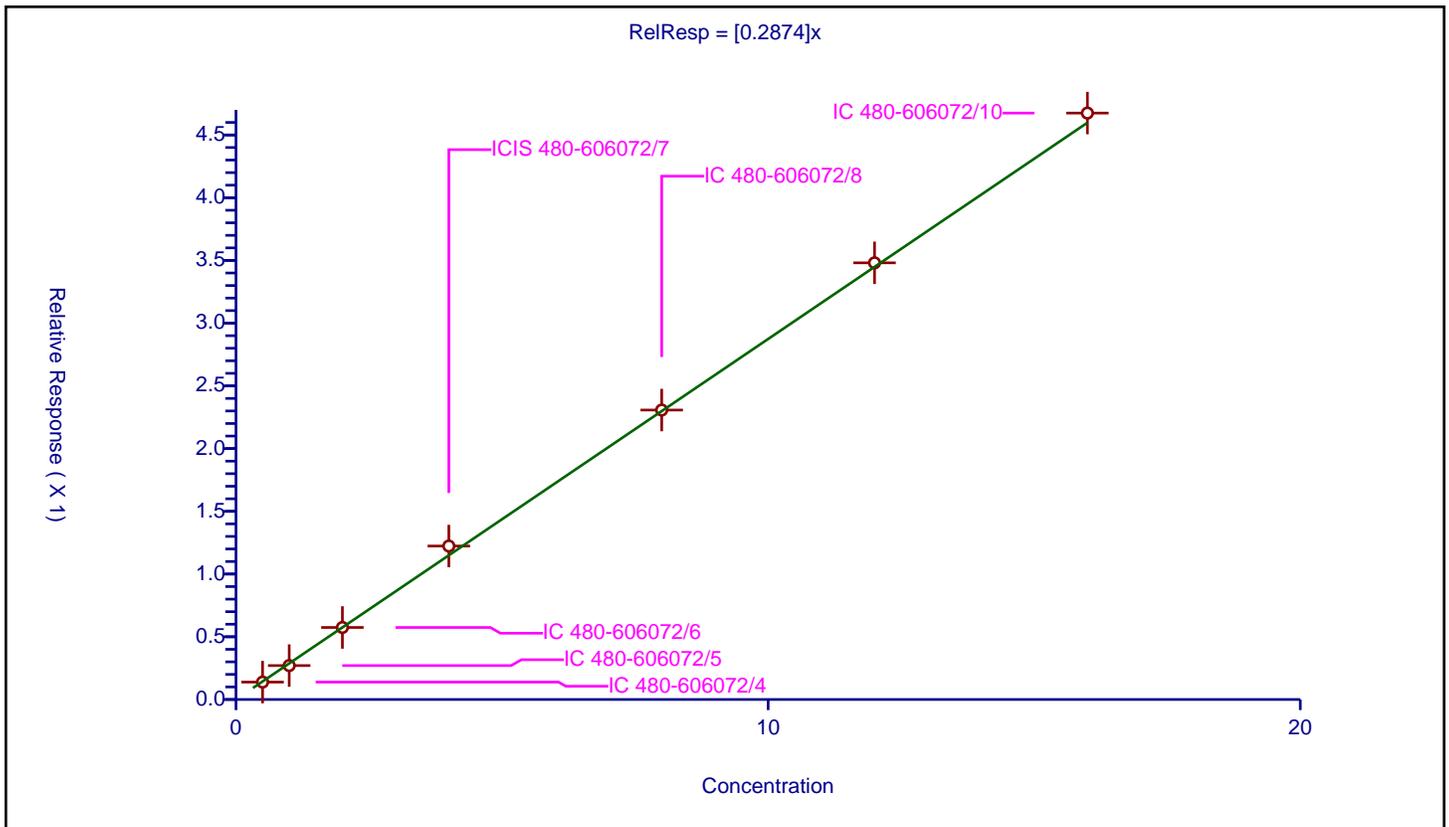
/ 2,6-Dichlorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2874

Error Coefficients	
Standard Error:	643000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.138798	4.0	853329.0	0.277595	Y
2	IC 480-606072/5	1.0	0.270519	4.0	886327.0	0.270519	Y
3	IC 480-606072/6	2.0	0.574078	4.0	919290.0	0.287039	Y
4	ICIS 480-606072/7	4.0	1.223171	4.0	913710.0	0.305793	Y
5	IC 480-606072/8	8.0	2.307443	4.0	945313.0	0.28843	Y
6	IC 480-606072/9	12.0	3.480851	4.0	970997.0	0.290071	Y
7	IC 480-606072/10	16.0	4.674578	4.0	1001971.0	0.292161	Y



Calibration

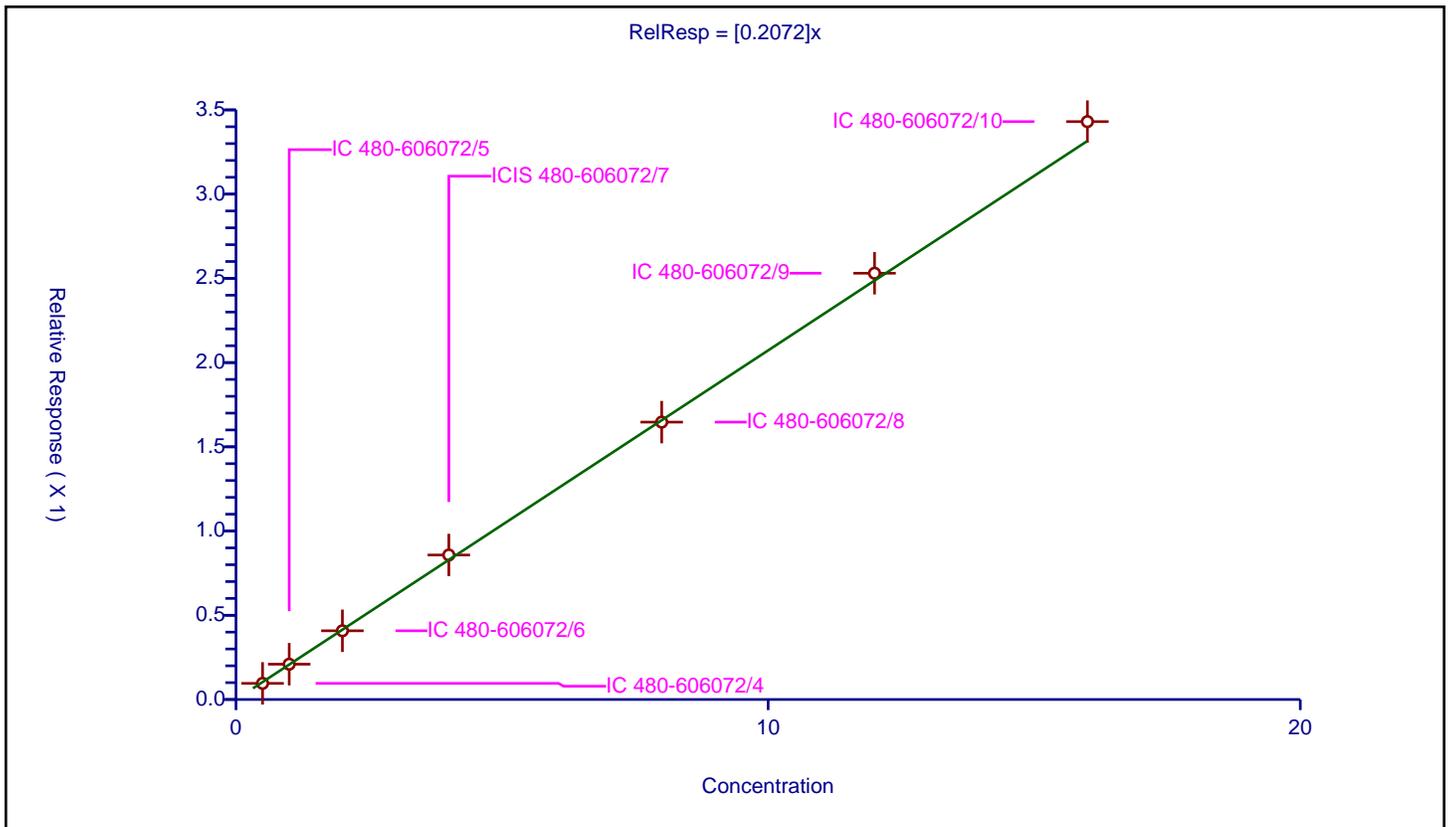
/ Hexachlorobutadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2072

Error Coefficients	
Standard Error:	468000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.095799	4.0	853329.0	0.191598	Y
2	IC 480-606072/5	1.0	0.209561	4.0	886327.0	0.209561	Y
3	IC 480-606072/6	2.0	0.407823	4.0	919290.0	0.203912	Y
4	ICIS 480-606072/7	4.0	0.857694	4.0	913710.0	0.214424	Y
5	IC 480-606072/8	8.0	1.64657	4.0	945313.0	0.205821	Y
6	IC 480-606072/9	12.0	2.530426	4.0	970997.0	0.210869	Y
7	IC 480-606072/10	16.0	3.430463	4.0	1001971.0	0.214404	Y



Calibration

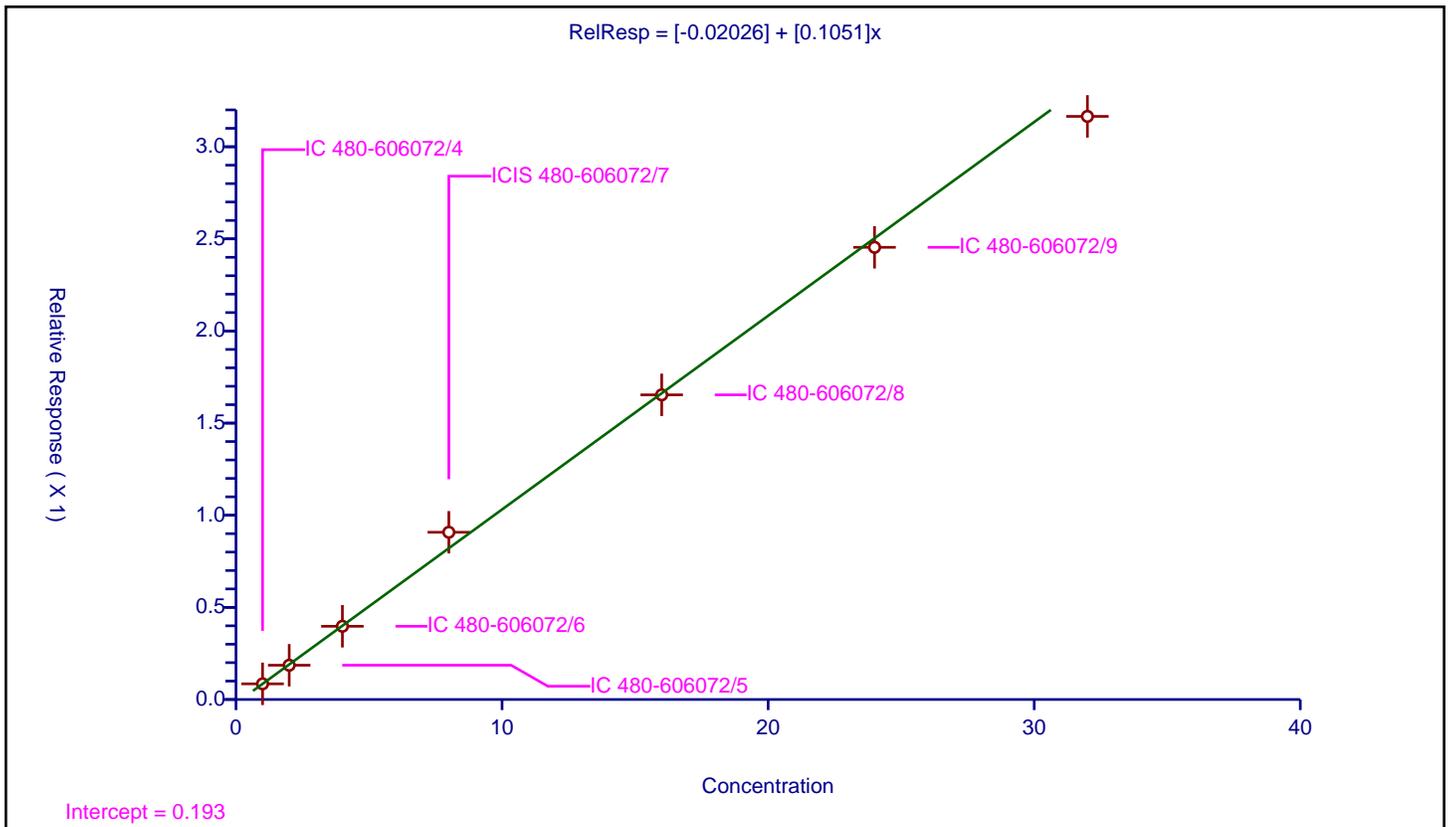
/ Caprolactam

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.02026
Slope:	0.1051

Error Coefficients	
Standard Error:	488000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.085027	4.0	853329.0	0.085027	Y
2	IC 480-606072/5	2.0	0.185958	4.0	886327.0	0.092979	Y
3	IC 480-606072/6	4.0	0.39735	4.0	919290.0	0.099338	Y
4	ICIS 480-606072/7	8.0	0.907658	4.0	913710.0	0.113457	Y
5	IC 480-606072/8	16.0	1.653361	4.0	945313.0	0.103335	Y
6	IC 480-606072/9	24.0	2.454092	4.0	970997.0	0.102254	Y
7	IC 480-606072/10	32.0	3.164802	4.0	1001971.0	0.0989	Y



Calibration

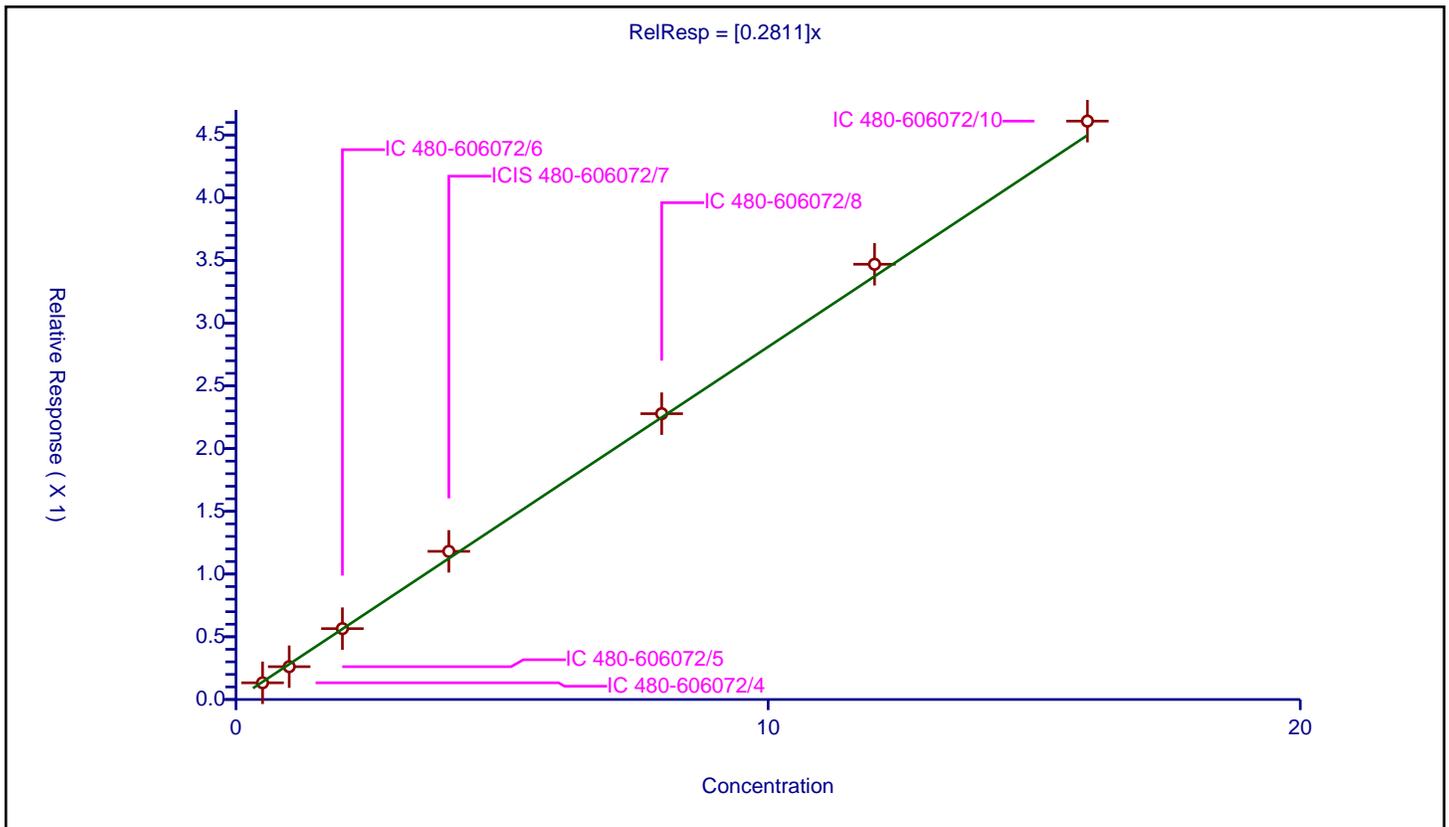
/ 4-Chloro-3-methylphenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2811

Error Coefficients	
Standard Error:	636000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.133144	4.0	853329.0	0.266289	Y
2	IC 480-606072/5	1.0	0.261646	4.0	886327.0	0.261646	Y
3	IC 480-606072/6	2.0	0.564949	4.0	919290.0	0.282475	Y
4	ICIS 480-606072/7	4.0	1.180987	4.0	913710.0	0.295247	Y
5	IC 480-606072/8	8.0	2.278306	4.0	945313.0	0.284788	Y
6	IC 480-606072/9	12.0	3.469341	4.0	970997.0	0.289112	Y
7	IC 480-606072/10	16.0	4.610656	4.0	1001971.0	0.288166	Y



Calibration

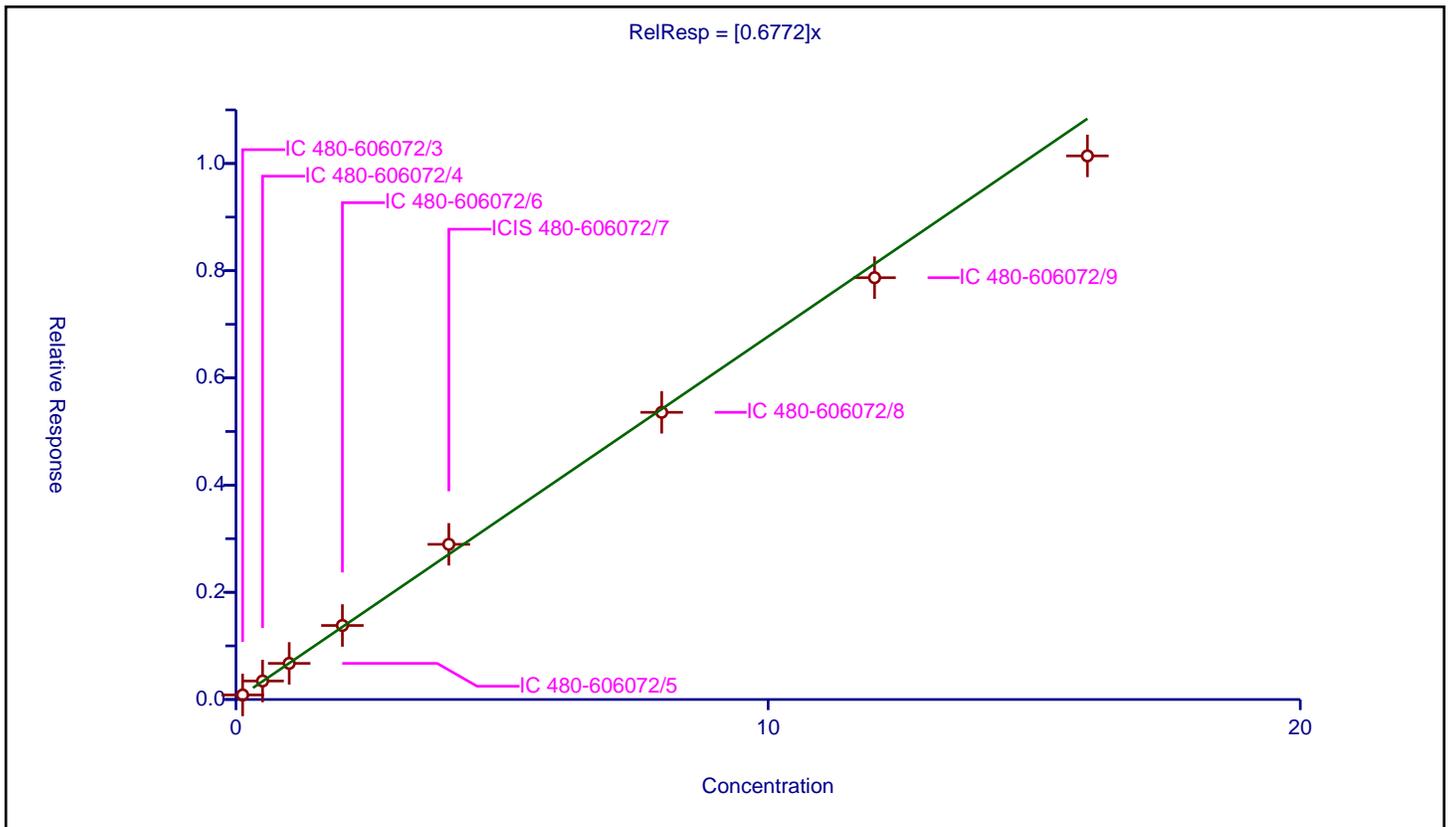
/ 2-Methylnaphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6772

Error Coefficients	
Standard Error:	1320000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.084942	4.0	843545.0	0.679532	Y
2	IC 480-606072/4	0.5	0.345255	4.0	853329.0	0.69051	Y
3	IC 480-606072/5	1.0	0.674194	4.0	886327.0	0.674194	Y
4	IC 480-606072/6	2.0	1.380731	4.0	919290.0	0.690365	Y
5	ICIS 480-606072/7	4.0	2.895151	4.0	913710.0	0.723788	Y
6	IC 480-606072/8	8.0	5.357811	4.0	945313.0	0.669726	Y
7	IC 480-606072/9	12.0	7.869742	4.0	970997.0	0.655812	Y
8	IC 480-606072/10	16.0	10.14191	4.0	1001971.0	0.633869	Y



Calibration

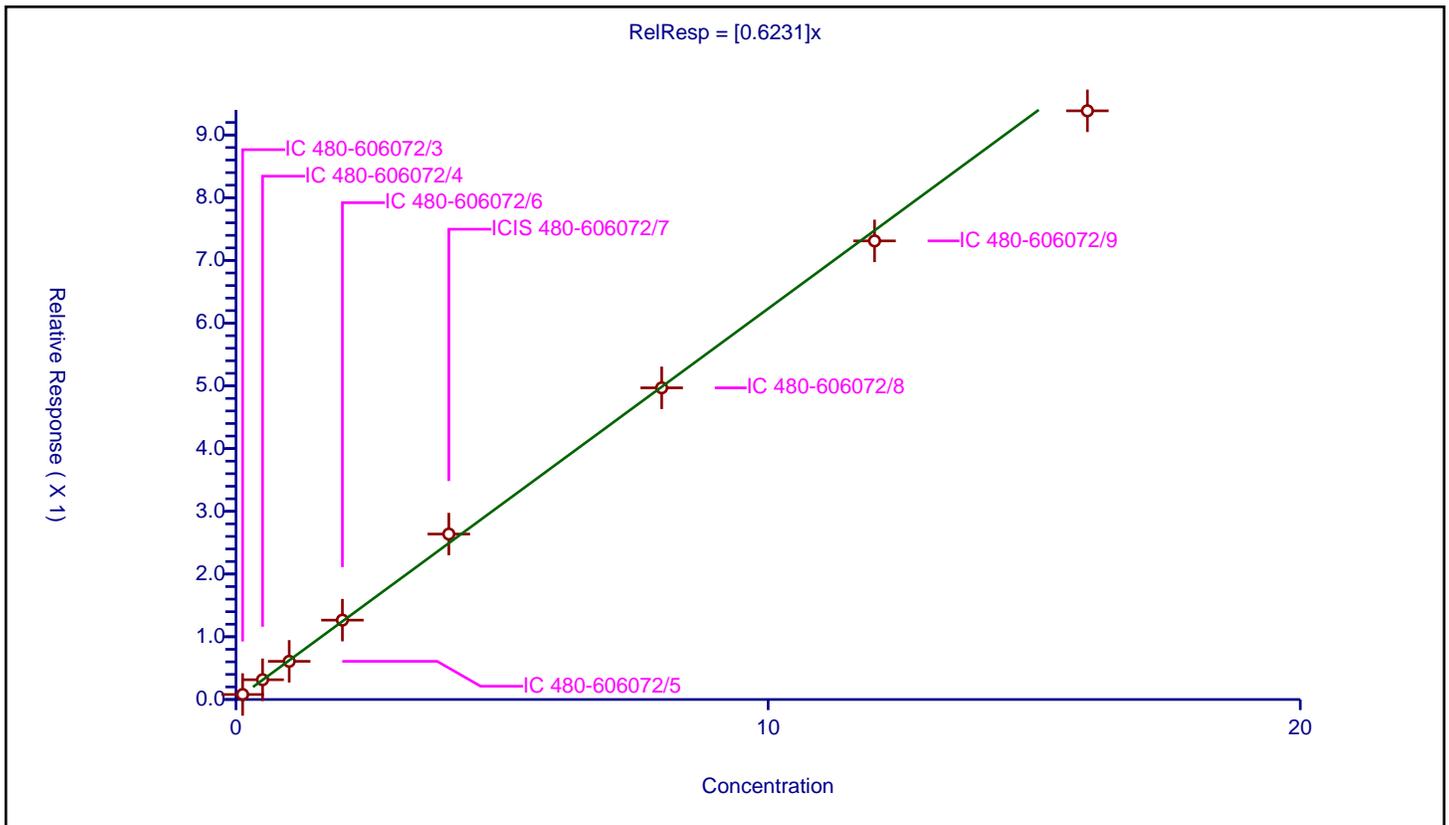
/ 1-Methylnaphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6231

Error Coefficients	
Standard Error:	1230000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.079692	4.0	843545.0	0.637538	Y
2	IC 480-606072/4	0.5	0.314969	4.0	853329.0	0.629938	Y
3	IC 480-606072/5	1.0	0.608439	4.0	886327.0	0.608439	Y
4	IC 480-606072/6	2.0	1.265381	4.0	919290.0	0.63269	Y
5	ICIS 480-606072/7	4.0	2.637765	4.0	913710.0	0.659441	Y
6	IC 480-606072/8	8.0	4.968919	4.0	945313.0	0.621115	Y
7	IC 480-606072/9	12.0	7.311359	4.0	970997.0	0.60928	Y
8	IC 480-606072/10	16.0	9.385361	4.0	1001971.0	0.586585	Y



Calibration

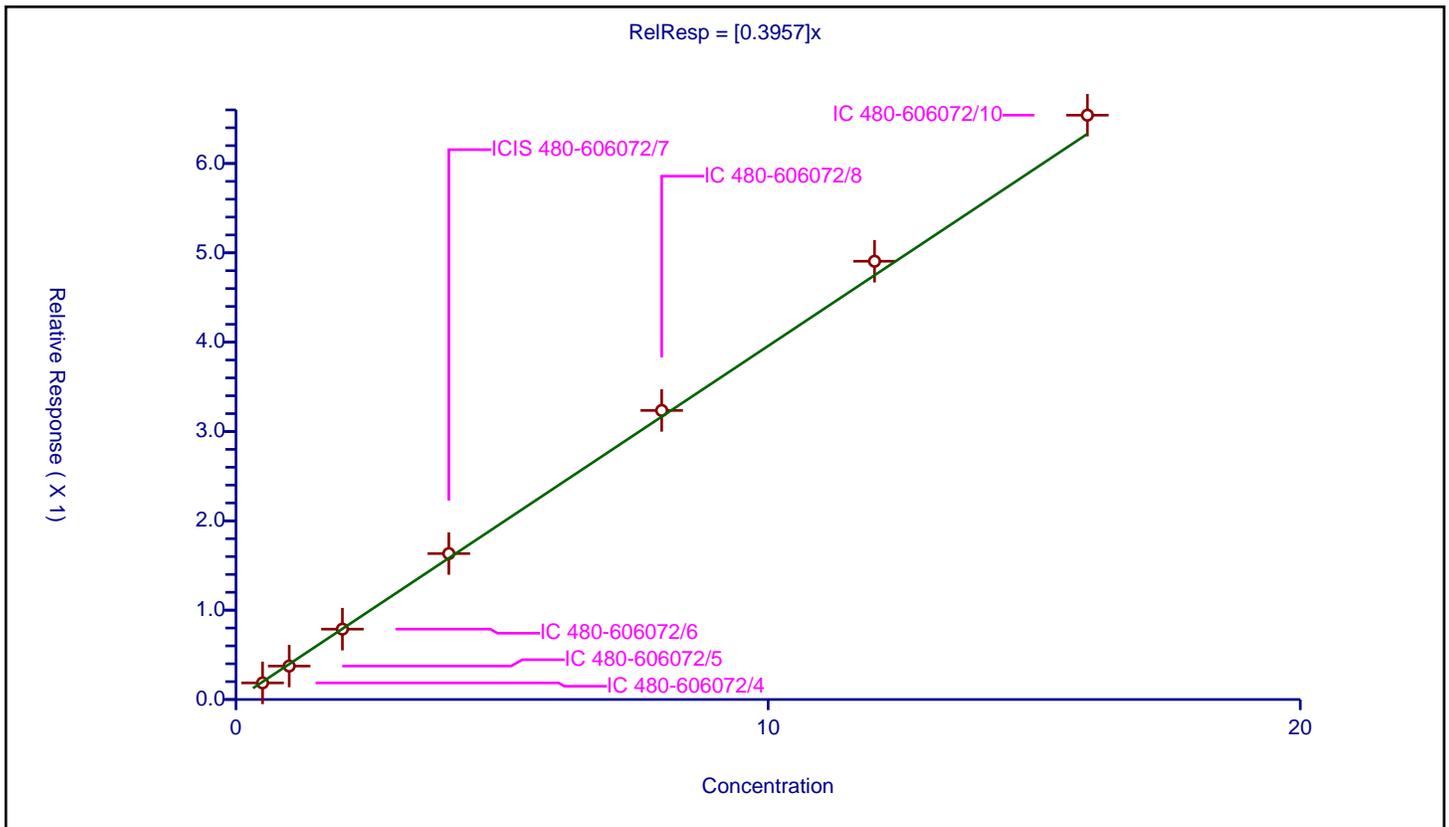
/ Hexachlorocyclopentadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3957

Error Coefficients	
Standard Error:	512000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.185702	4.0	486628.0	0.371405	Y
2	IC 480-606072/5	1.0	0.374425	4.0	489690.0	0.374425	Y
3	IC 480-606072/6	2.0	0.787628	4.0	524095.0	0.393814	Y
4	ICIS 480-606072/7	4.0	1.633382	4.0	522479.0	0.408346	Y
5	IC 480-606072/8	8.0	3.235747	4.0	534043.0	0.404468	Y
6	IC 480-606072/9	12.0	4.905951	4.0	557196.0	0.408829	Y
7	IC 480-606072/10	16.0	6.540944	4.0	566865.0	0.408809	Y



Calibration

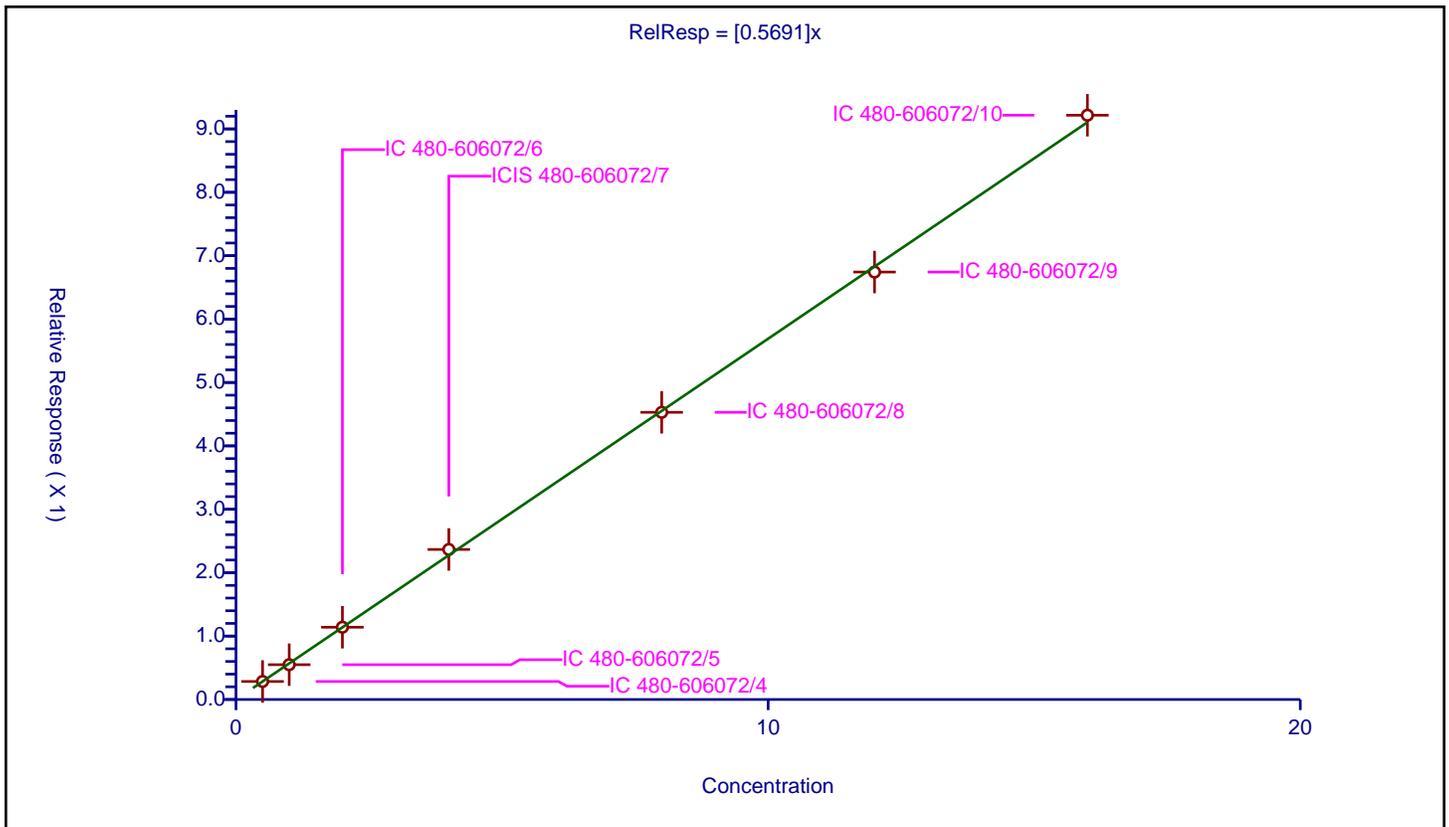
/ 1,2,4,5-Tetrachlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5691

Error Coefficients	
Standard Error:	716000
Relative Standard Error:	2.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.284357	4.0	486628.0	0.568714	Y
2	IC 480-606072/5	1.0	0.54896	4.0	489690.0	0.54896	Y
3	IC 480-606072/6	2.0	1.140053	4.0	524095.0	0.570026	Y
4	ICIS 480-606072/7	4.0	2.366556	4.0	522479.0	0.591639	Y
5	IC 480-606072/8	8.0	4.529455	4.0	534043.0	0.566182	Y
6	IC 480-606072/9	12.0	6.742468	4.0	557196.0	0.561872	Y
7	IC 480-606072/10	16.0	9.215845	4.0	566865.0	0.57599	Y



Calibration

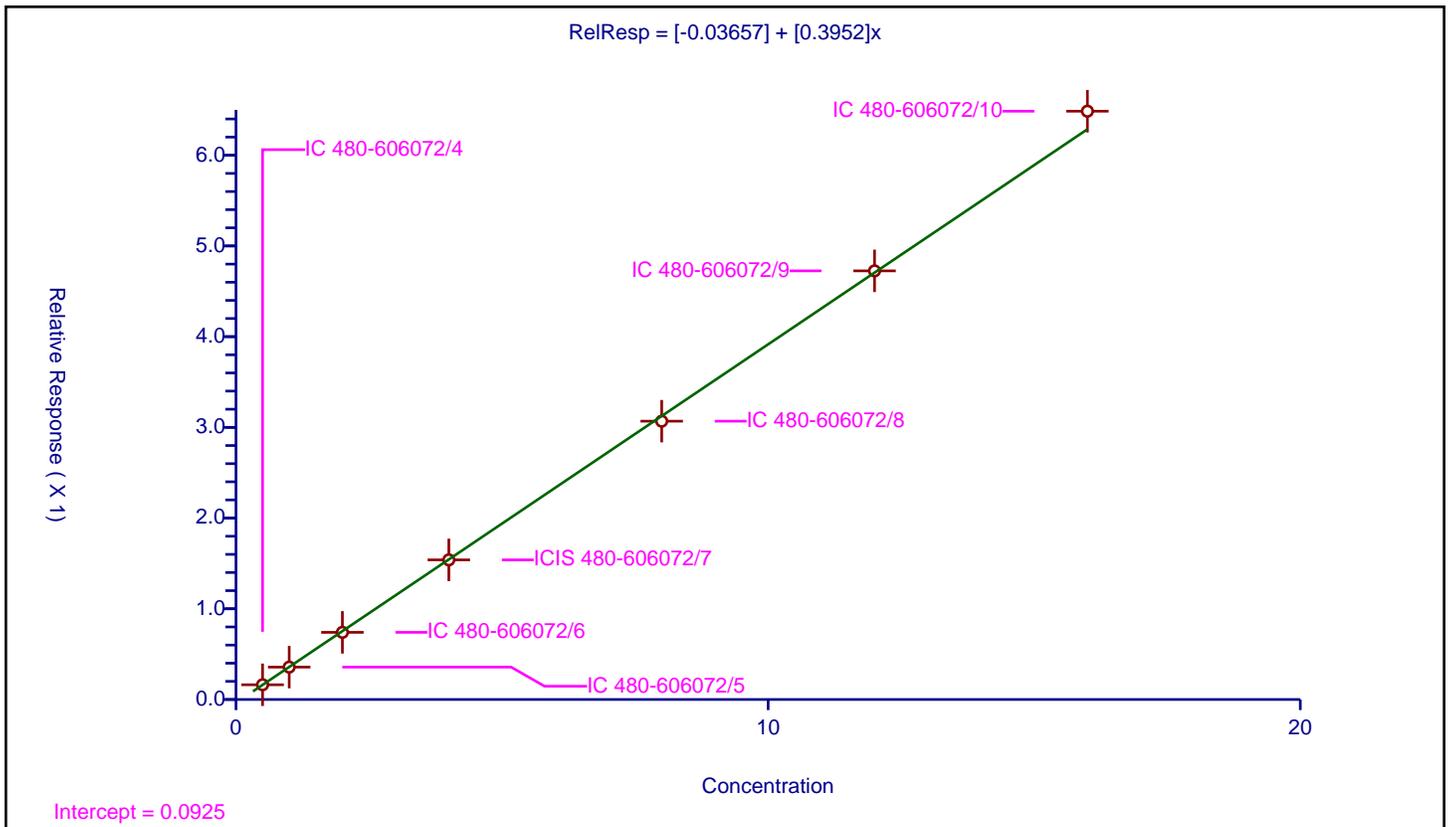
/ 2,4,6-Trichlorophenol

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-0.03657
Slope:	0.3952

Error Coefficients	
Standard Error:	547000
Relative Standard Error:	1.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.162342	4.0	486628.0	0.324683	Y
2	IC 480-606072/5	1.0	0.35705	4.0	489690.0	0.35705	Y
3	IC 480-606072/6	2.0	0.740232	4.0	524095.0	0.370116	Y
4	ICIS 480-606072/7	4.0	1.539063	4.0	522479.0	0.384766	Y
5	IC 480-606072/8	8.0	3.068352	4.0	534043.0	0.383544	Y
6	IC 480-606072/9	12.0	4.725239	4.0	557196.0	0.39377	Y
7	IC 480-606072/10	16.0	6.485714	4.0	566865.0	0.405357	Y



Calibration

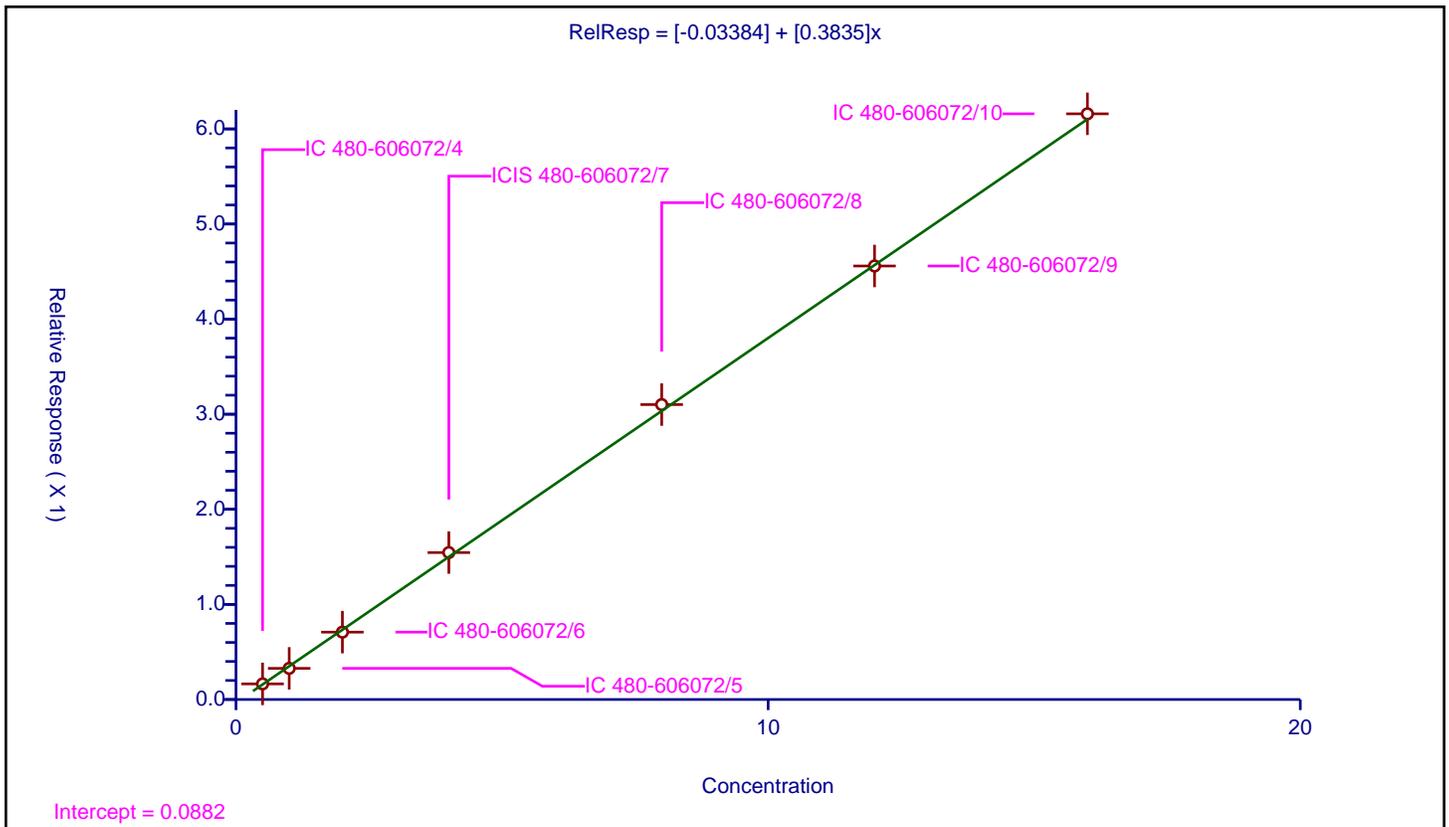
/ 2,4,5-Trichlorophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.03384
Slope:	0.3835

Error Coefficients	
Standard Error:	527000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.163969	4.0	486628.0	0.327938	Y
2	IC 480-606072/5	1.0	0.327603	4.0	489690.0	0.327603	Y
3	IC 480-606072/6	2.0	0.708314	4.0	524095.0	0.354157	Y
4	ICIS 480-606072/7	4.0	1.545119	4.0	522479.0	0.38628	Y
5	IC 480-606072/8	8.0	3.101076	4.0	534043.0	0.387635	Y
6	IC 480-606072/9	12.0	4.558568	4.0	557196.0	0.379881	Y
7	IC 480-606072/10	16.0	6.158694	4.0	566865.0	0.384918	Y



Calibration

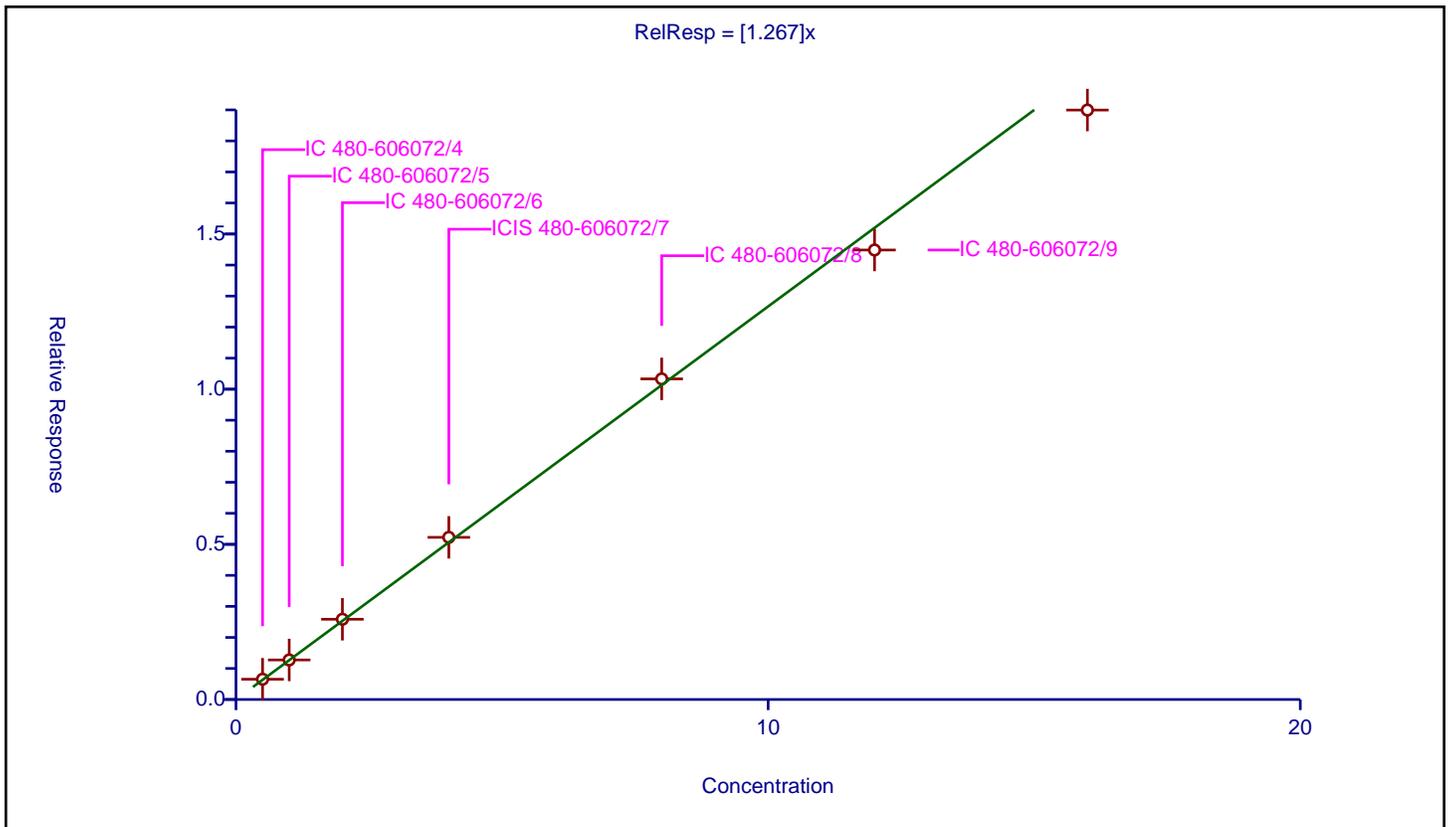
/ 2-Fluorobiphenyl

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.267

Error Coefficients	
Standard Error:	1520000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.653	4.0	486628.0	1.306	Y
2	IC 480-606072/5	1.0	1.274439	4.0	489690.0	1.274439	Y
3	IC 480-606072/6	2.0	2.58634	4.0	524095.0	1.29317	Y
4	ICIS 480-606072/7	4.0	5.225397	4.0	522479.0	1.306349	Y
5	IC 480-606072/8	8.0	10.33155	4.0	534043.0	1.291444	Y
6	IC 480-606072/9	12.0	14.484964	4.0	557196.0	1.20708	Y
7	IC 480-606072/10	16.0	18.994928	4.0	566865.0	1.187183	Y



Calibration

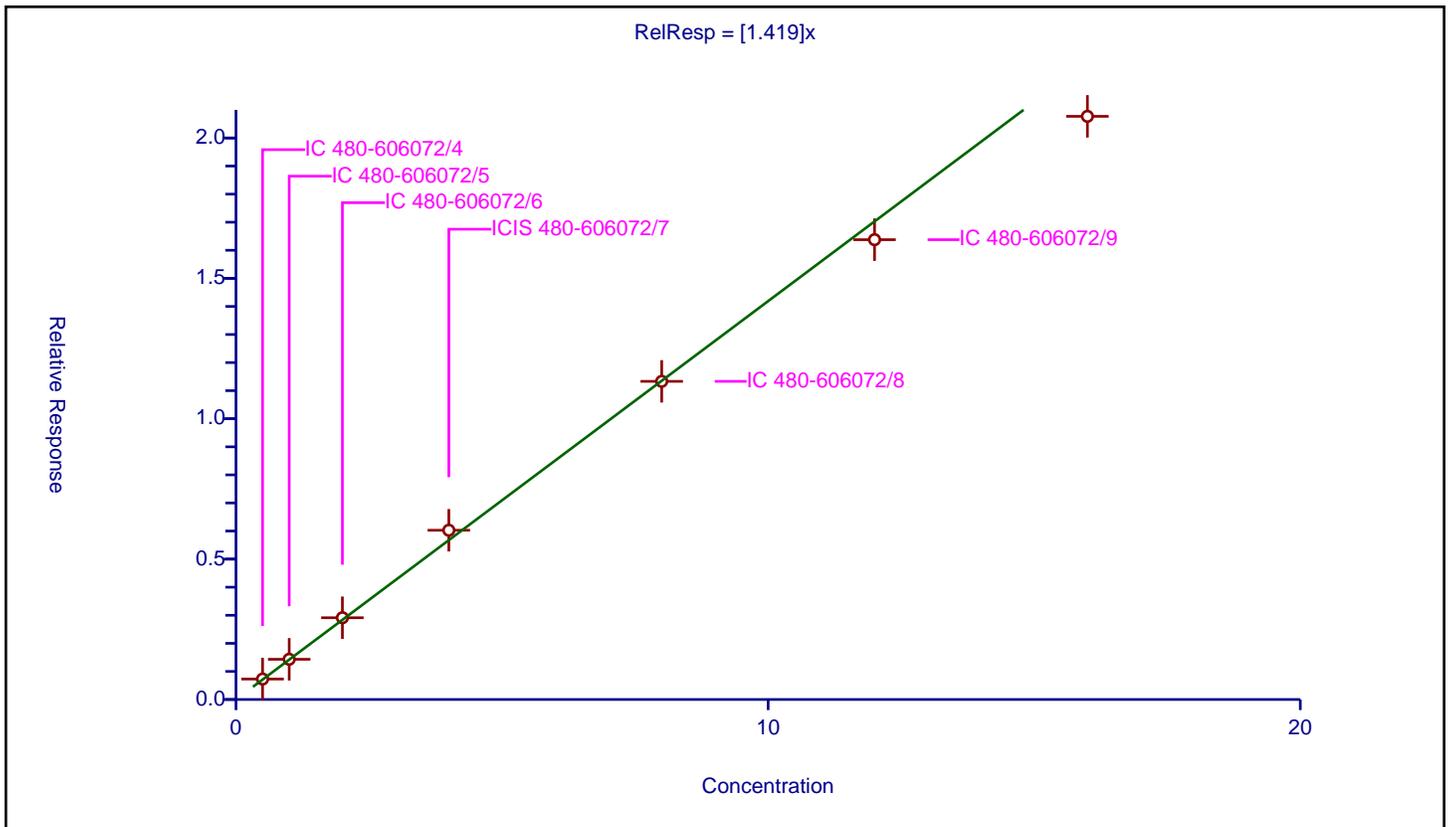
/ 1,1'-Biphenyl

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.419

Error Coefficients	
Standard Error:	1680000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.728704	4.0	486628.0	1.457409	Y
2	IC 480-606072/5	1.0	1.432449	4.0	489690.0	1.432449	Y
3	IC 480-606072/6	2.0	2.912167	4.0	524095.0	1.456083	Y
4	ICIS 480-606072/7	4.0	6.028836	4.0	522479.0	1.507209	Y
5	IC 480-606072/8	8.0	11.330885	4.0	534043.0	1.416361	Y
6	IC 480-606072/9	12.0	16.376873	4.0	557196.0	1.364739	Y
7	IC 480-606072/10	16.0	20.770053	4.0	566865.0	1.298128	Y



Calibration

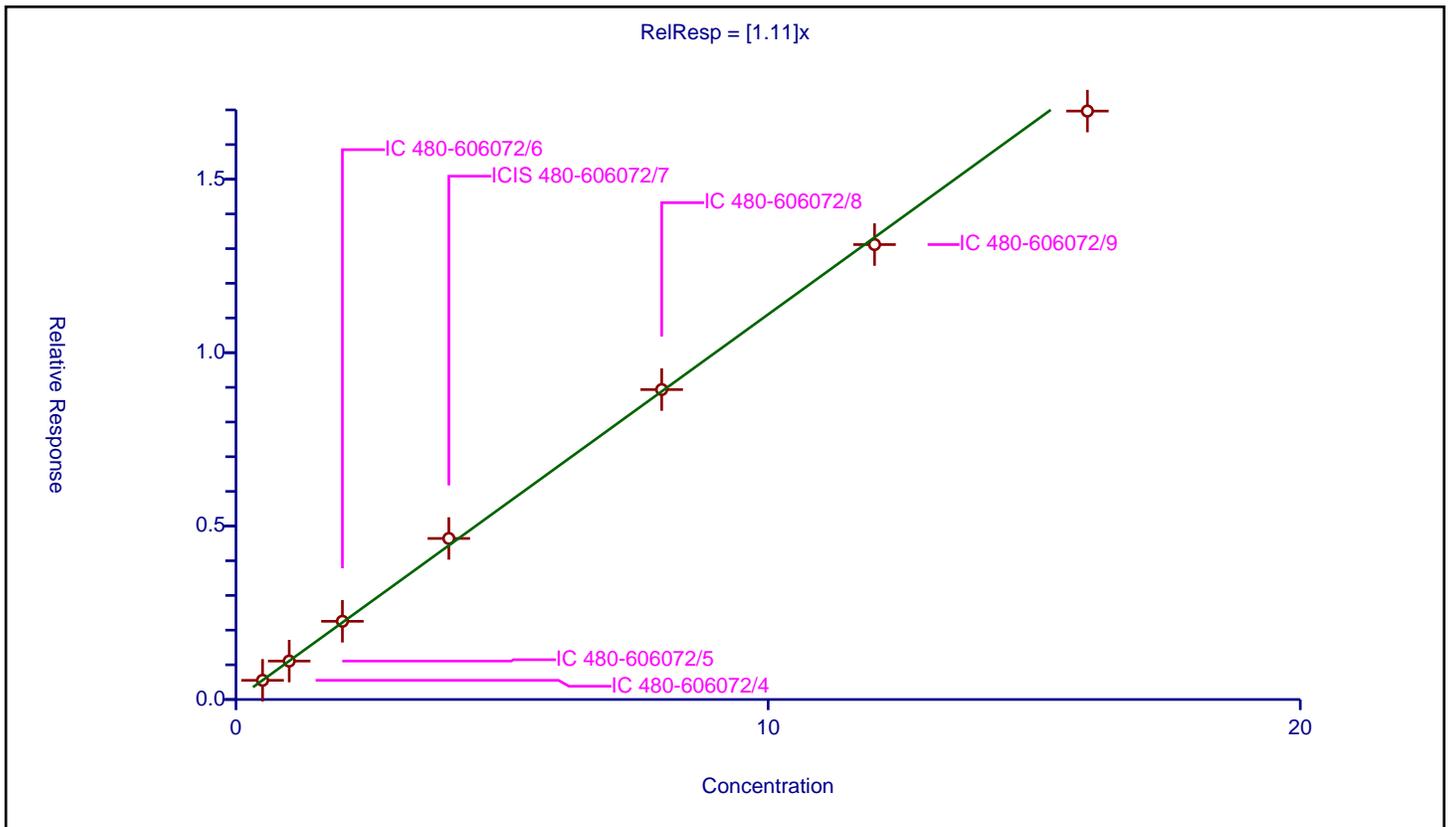
/ 2-Chloronaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.11

Error Coefficients	
Standard Error:	1360000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.552858	4.0	486628.0	1.105715	Y
2	IC 480-606072/5	1.0	1.107795	4.0	489690.0	1.107795	Y
3	IC 480-606072/6	2.0	2.255202	4.0	524095.0	1.127601	Y
4	ICIS 480-606072/7	4.0	4.642881	4.0	522479.0	1.16072	Y
5	IC 480-606072/8	8.0	8.936262	4.0	534043.0	1.117033	Y
6	IC 480-606072/9	12.0	13.117302	4.0	557196.0	1.093108	Y
7	IC 480-606072/10	16.0	16.966361	4.0	566865.0	1.060398	Y



Calibration

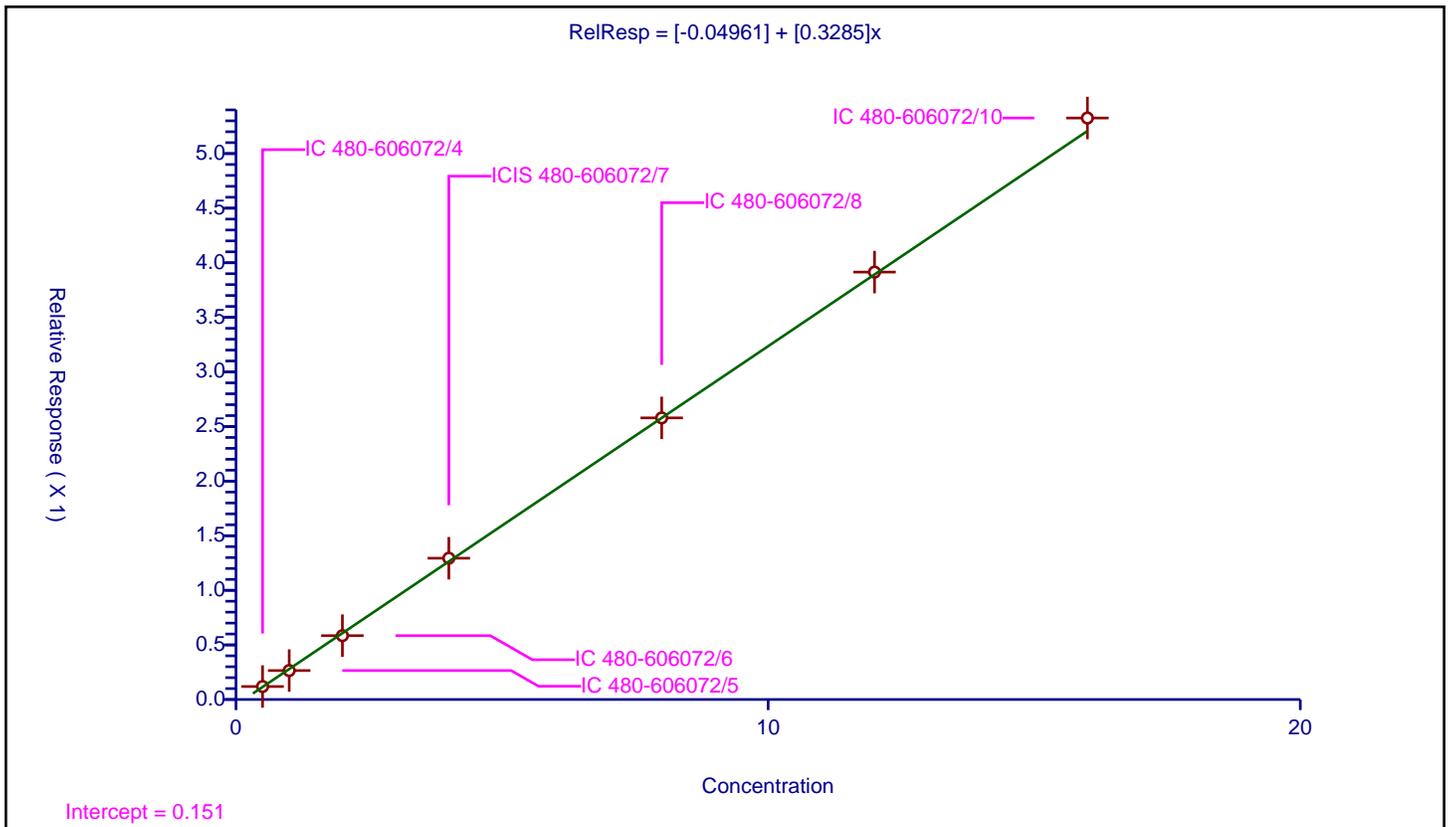
/ 2-Nitroaniline

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.04961
Slope:	0.3285

Error Coefficients	
Standard Error:	452000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.118916	4.0	486628.0	0.237833	Y
2	IC 480-606072/5	1.0	0.265057	4.0	489690.0	0.265057	Y
3	IC 480-606072/6	2.0	0.584665	4.0	524095.0	0.292332	Y
4	ICIS 480-606072/7	4.0	1.293924	4.0	522479.0	0.323481	Y
5	IC 480-606072/8	8.0	2.579156	4.0	534043.0	0.322394	Y
6	IC 480-606072/9	12.0	3.91463	4.0	557196.0	0.326219	Y
7	IC 480-606072/10	16.0	5.325656	4.0	566865.0	0.332854	Y



Calibration

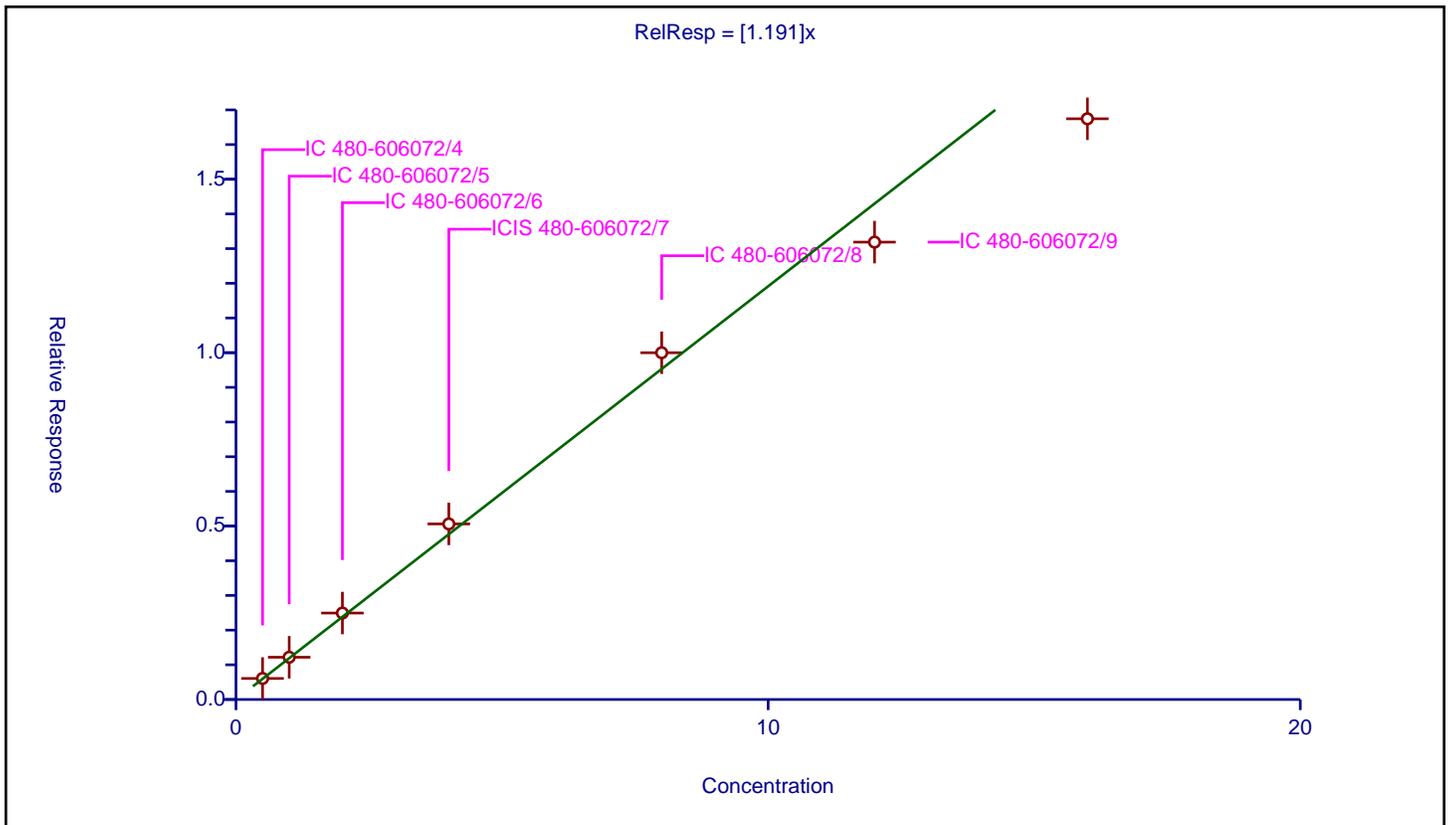
/ Dimethyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.191

Error Coefficients	
Standard Error:	1380000
Relative Standard Error:	7.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.606903	4.0	486628.0	1.213806	Y
2	IC 480-606072/5	1.0	1.218567	4.0	489690.0	1.218567	Y
3	IC 480-606072/6	2.0	2.492525	4.0	524095.0	1.246263	Y
4	ICIS 480-606072/7	4.0	5.062121	4.0	522479.0	1.26553	Y
5	IC 480-606072/8	8.0	9.998004	4.0	534043.0	1.24975	Y
6	IC 480-606072/9	12.0	13.187496	4.0	557196.0	1.098958	Y
7	IC 480-606072/10	16.0	16.743888	4.0	566865.0	1.046493	Y



Calibration

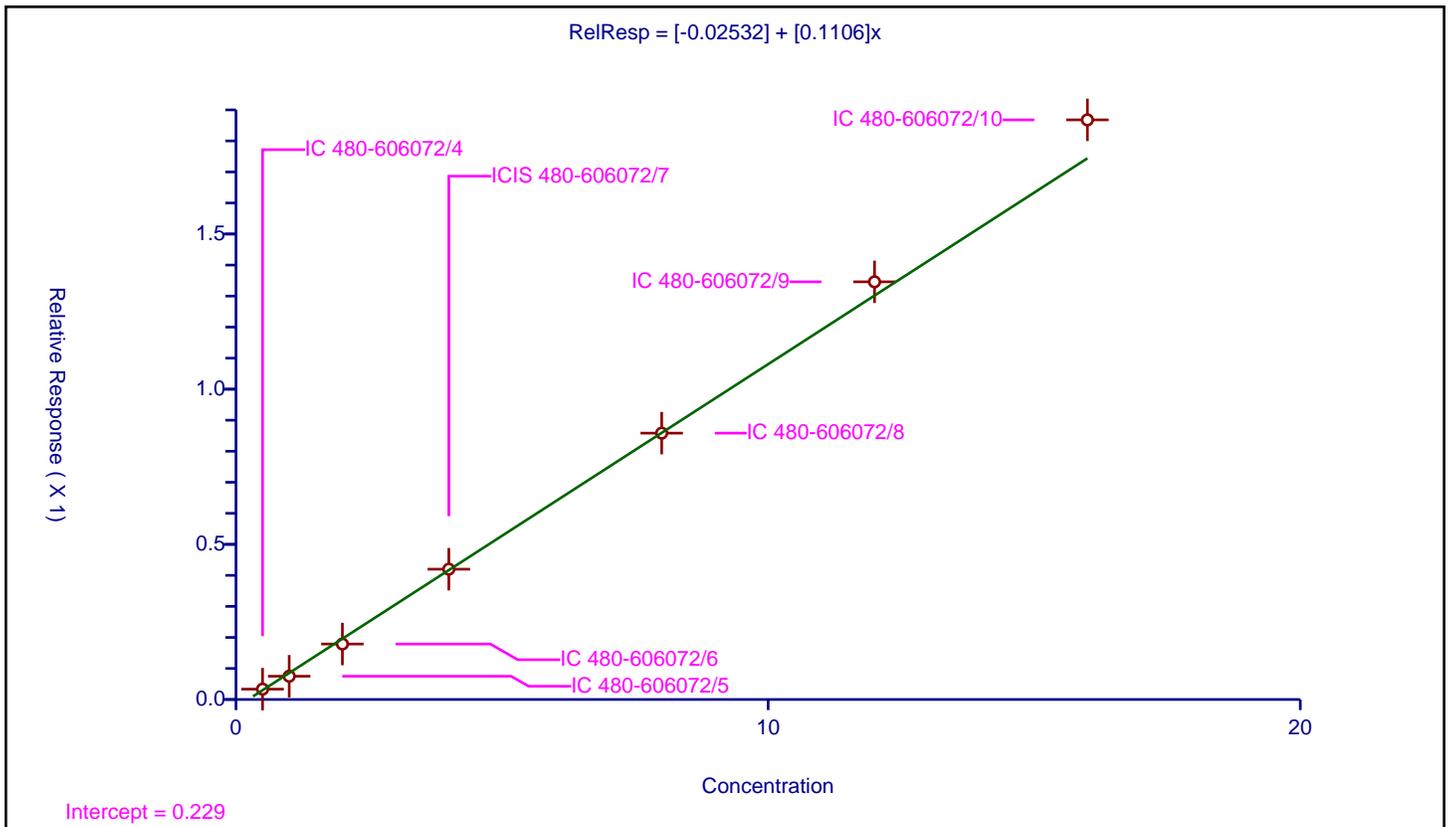
/ 1,3-Dinitrobenzene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.02532
Slope:	0.1106

Error Coefficients	
Standard Error:	275000
Relative Standard Error:	7.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.033366	4.0	853329.0	0.066732	Y
2	IC 480-606072/5	1.0	0.074984	4.0	886327.0	0.074984	Y
3	IC 480-606072/6	2.0	0.178755	4.0	919290.0	0.089378	Y
4	ICIS 480-606072/7	4.0	0.419888	4.0	913710.0	0.104972	Y
5	IC 480-606072/8	8.0	0.85834	4.0	945313.0	0.107293	Y
6	IC 480-606072/9	12.0	1.345957	4.0	970997.0	0.112163	Y
7	IC 480-606072/10	16.0	1.867866	4.0	1001971.0	0.116742	Y



Calibration

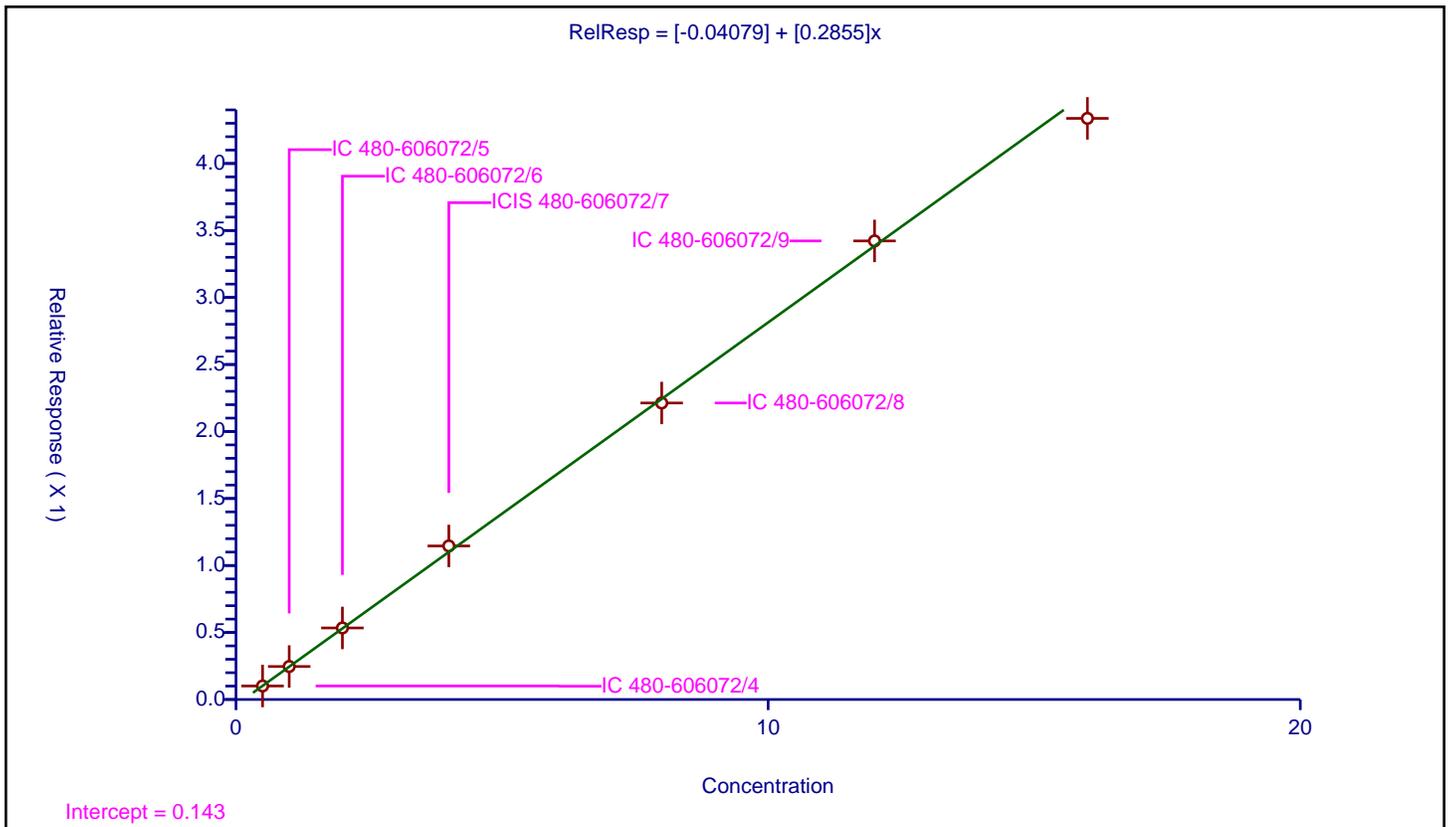
/ 2,6-Dinitrotoluene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.04079
Slope:	0.2855

Error Coefficients	
Standard Error:	380000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.100833	4.0	486628.0	0.201665	Y
2	IC 480-606072/5	1.0	0.246327	4.0	489690.0	0.246327	Y
3	IC 480-606072/6	2.0	0.533865	4.0	524095.0	0.266933	Y
4	ICIS 480-606072/7	4.0	1.145868	4.0	522479.0	0.286467	Y
5	IC 480-606072/8	8.0	2.212803	4.0	534043.0	0.2766	Y
6	IC 480-606072/9	12.0	3.422114	4.0	557196.0	0.285176	Y
7	IC 480-606072/10	16.0	4.336764	4.0	566865.0	0.271048	Y



Calibration

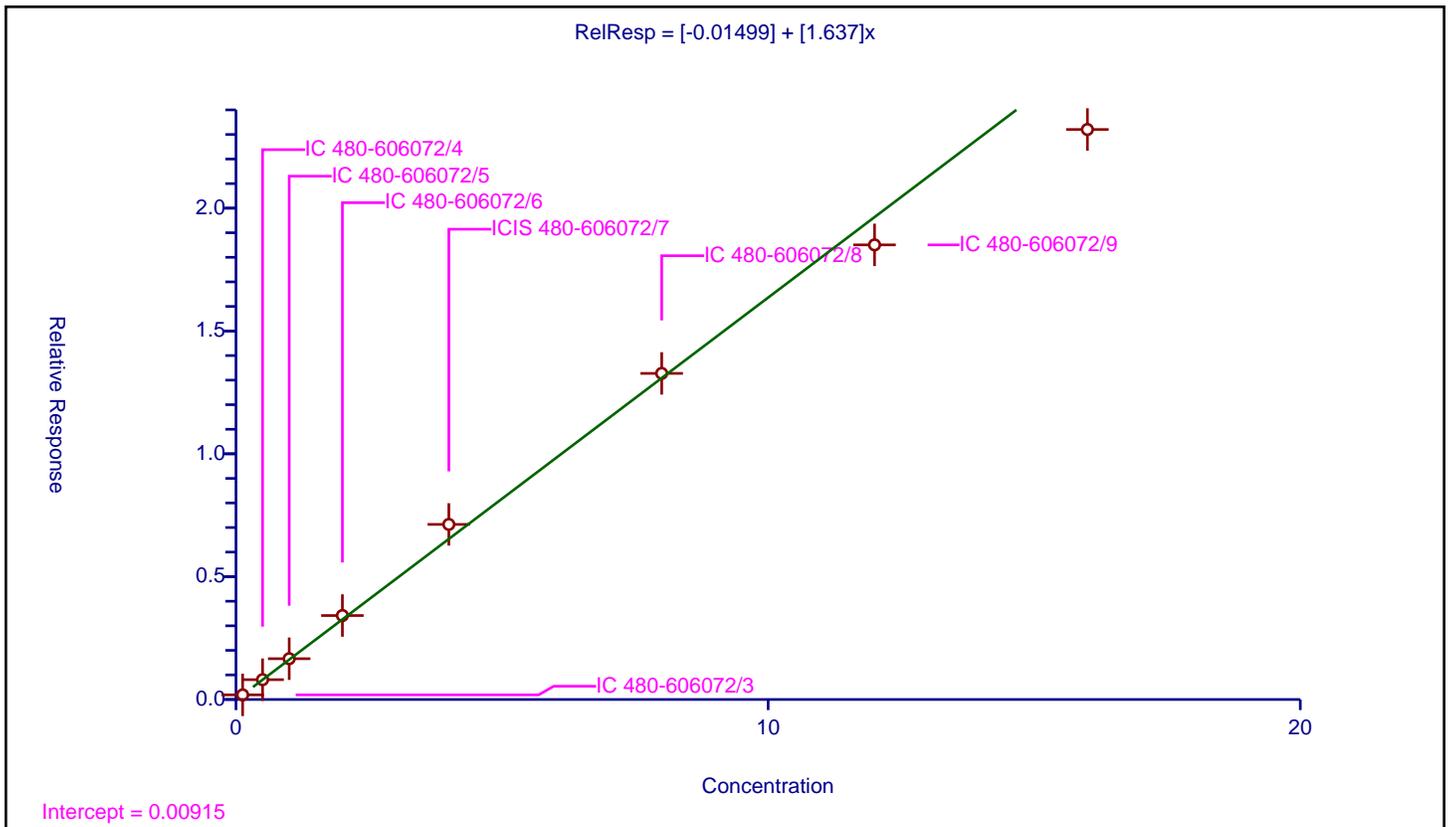
/ Acenaphthylene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.01499
Slope:	1.637

Error Coefficients	
Standard Error:	1900000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.187992	4.0	473573.0	1.503937	Y
2	IC 480-606072/4	0.5	0.806546	4.0	486628.0	1.613093	Y
3	IC 480-606072/5	1.0	1.660618	4.0	489690.0	1.660618	Y
4	IC 480-606072/6	2.0	3.41748	4.0	524095.0	1.70874	Y
5	ICIS 480-606072/7	4.0	7.127253	4.0	522479.0	1.781813	Y
6	IC 480-606072/8	8.0	13.273688	4.0	534043.0	1.659211	Y
7	IC 480-606072/9	12.0	18.505309	4.0	557196.0	1.542109	Y
8	IC 480-606072/10	16.0	23.202801	4.0	566865.0	1.450175	Y



Calibration

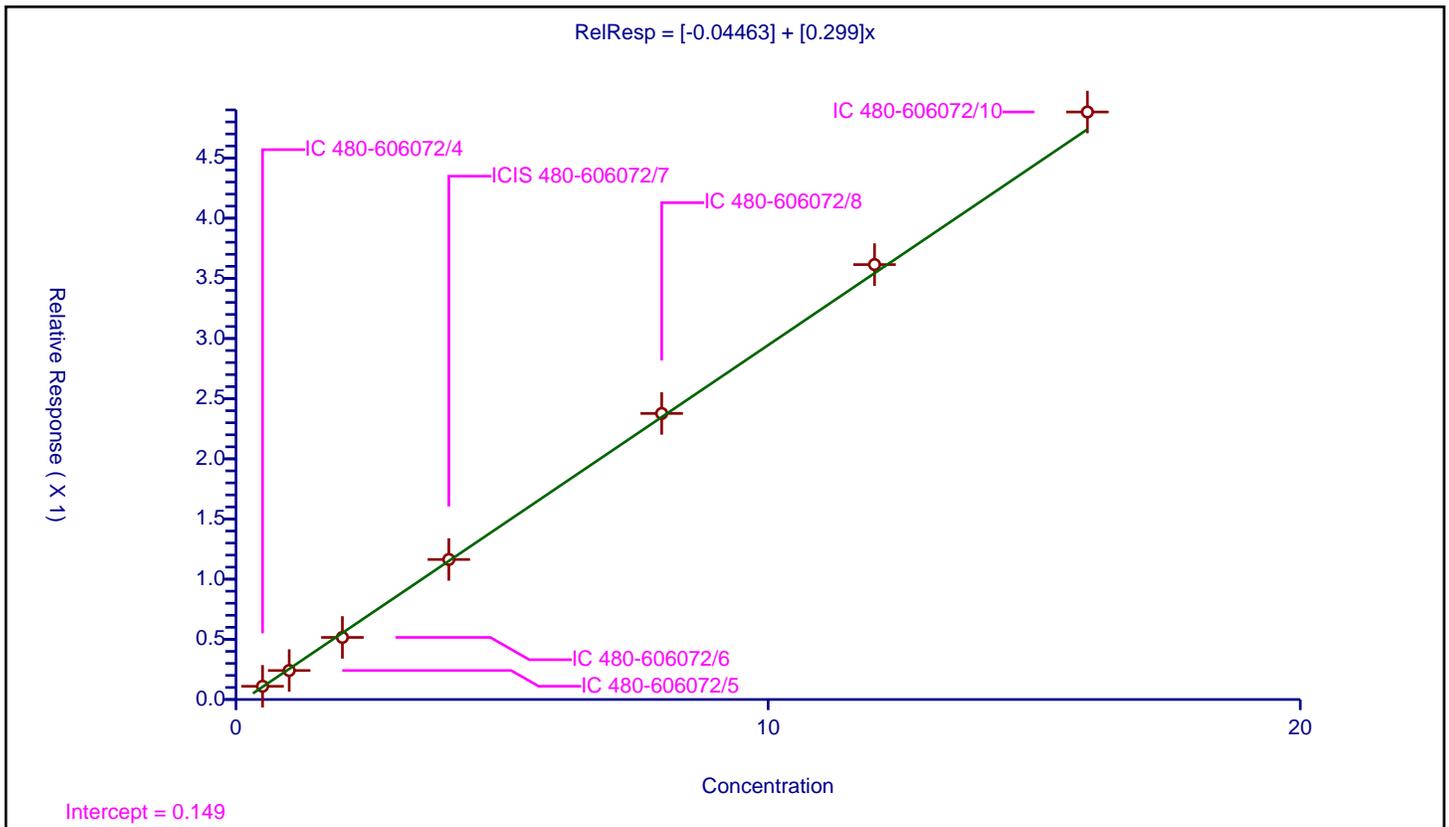
/ 3-Nitroaniline

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.04463
Slope:	0.299

Error Coefficients	
Standard Error:	415000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.109932	4.0	486628.0	0.219864	Y
2	IC 480-606072/5	1.0	0.24101	4.0	489690.0	0.24101	Y
3	IC 480-606072/6	2.0	0.515922	4.0	524095.0	0.257961	Y
4	ICIS 480-606072/7	4.0	1.163522	4.0	522479.0	0.290881	Y
5	IC 480-606072/8	8.0	2.377037	4.0	534043.0	0.29713	Y
6	IC 480-606072/9	12.0	3.614484	4.0	557196.0	0.301207	Y
7	IC 480-606072/10	16.0	4.882609	4.0	566865.0	0.305163	Y



Calibration

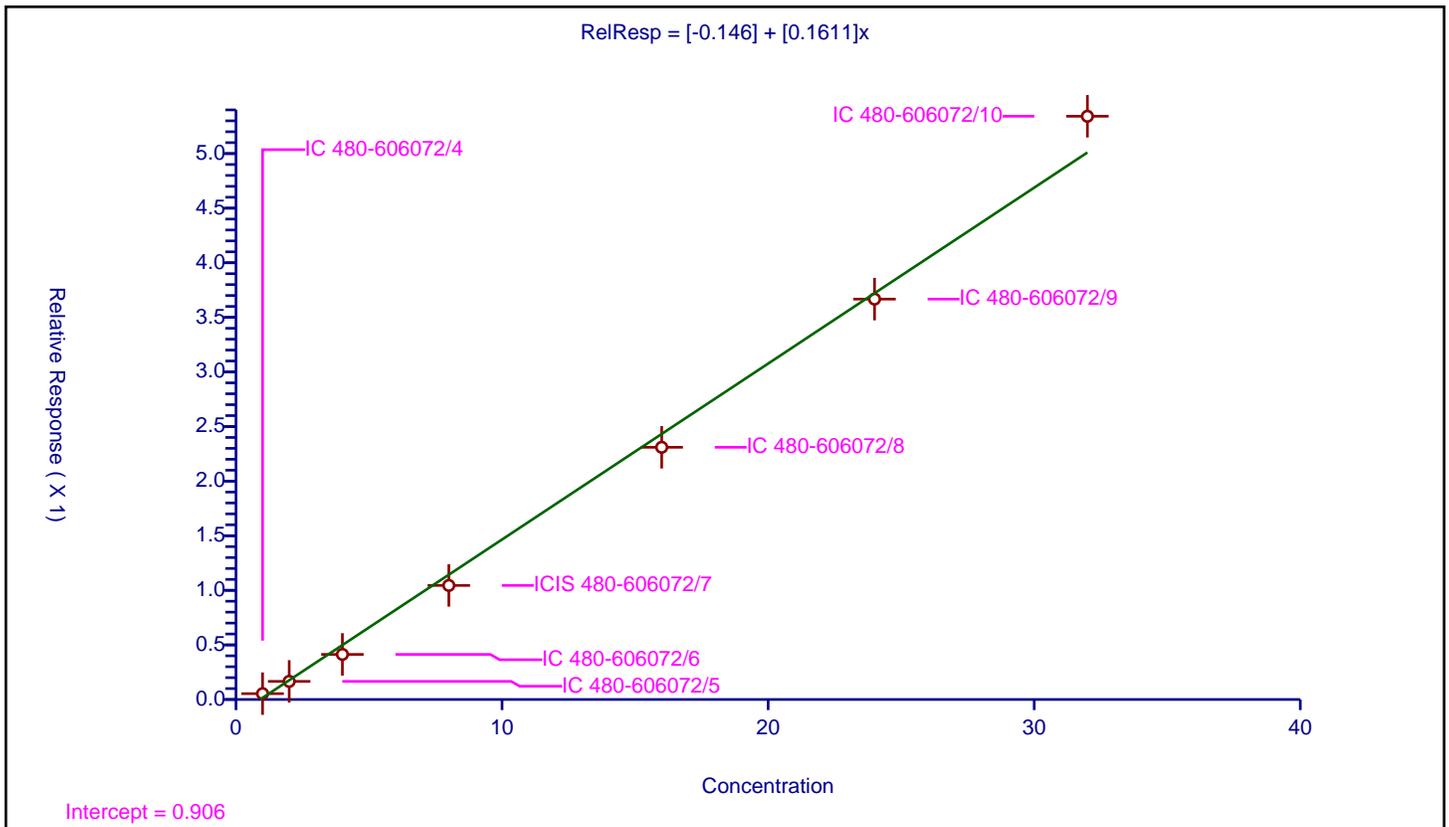
/ 2,4-Dinitrophenol

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.146
Slope:	0.1611

Error Coefficients	
Standard Error:	436000
Relative Standard Error:	13.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.053462	4.0	486628.0	0.053462	Y
2	IC 480-606072/5	2.0	0.165925	4.0	489690.0	0.082963	Y
3	IC 480-606072/6	4.0	0.413009	4.0	524095.0	0.103252	Y
4	ICIS 480-606072/7	8.0	1.04452	4.0	522479.0	0.130565	Y
5	IC 480-606072/8	16.0	2.309851	4.0	534043.0	0.144366	Y
6	IC 480-606072/9	24.0	3.667155	4.0	557196.0	0.152798	Y
7	IC 480-606072/10	32.0	5.341688	4.0	566865.0	0.166928	Y



Calibration

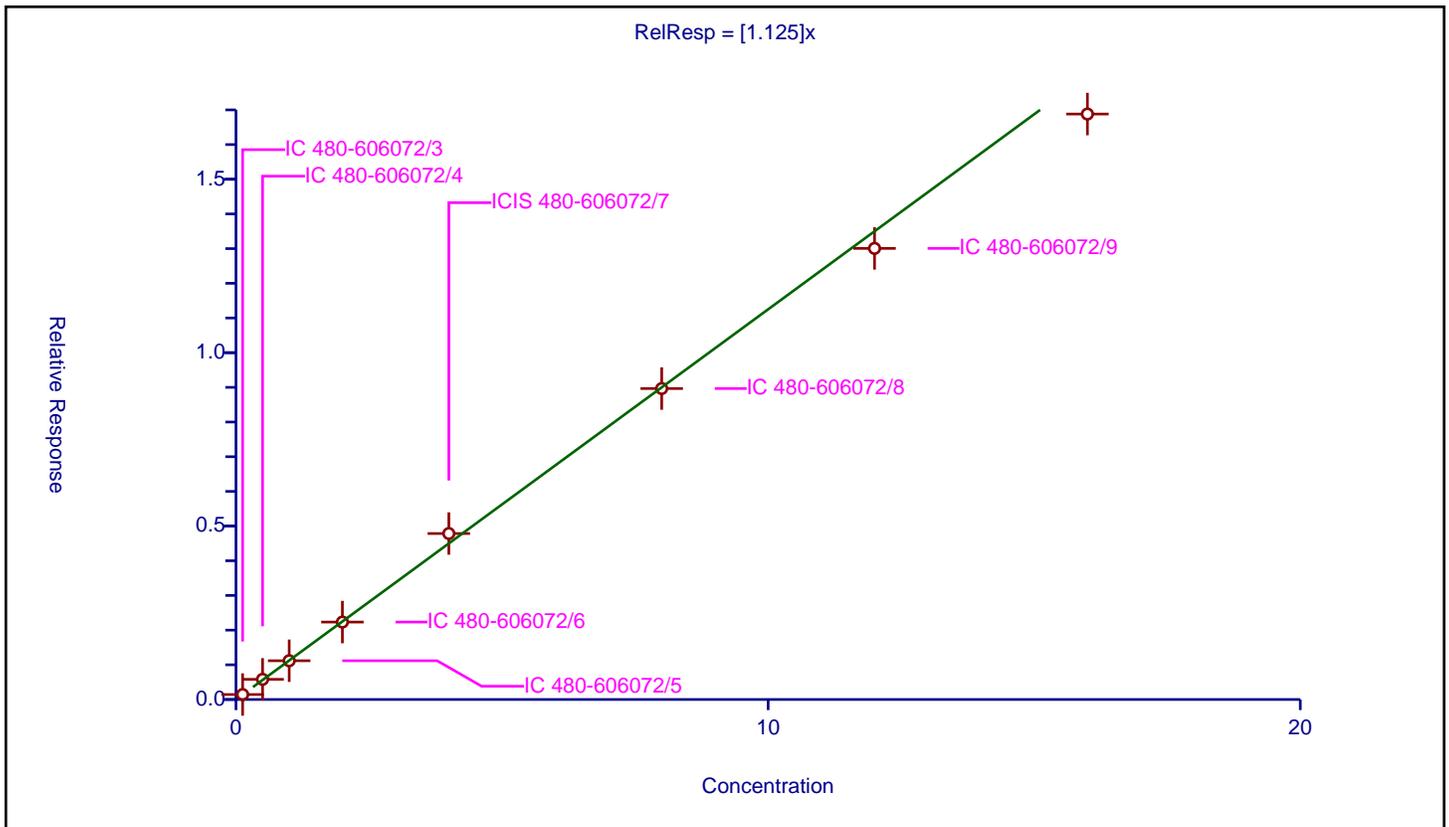
/ Acenaphthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.125

Error Coefficients	
Standard Error:	1250000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.143353	4.0	473573.0	1.146822	Y
2	IC 480-606072/4	0.5	0.581413	4.0	486628.0	1.162827	Y
3	IC 480-606072/5	1.0	1.117621	4.0	489690.0	1.117621	Y
4	IC 480-606072/6	2.0	2.232878	4.0	524095.0	1.116439	Y
5	ICIS 480-606072/7	4.0	4.785333	4.0	522479.0	1.196333	Y
6	IC 480-606072/8	8.0	8.96569	4.0	534043.0	1.120711	Y
7	IC 480-606072/9	12.0	13.006267	4.0	557196.0	1.083856	Y
8	IC 480-606072/10	16.0	16.880718	4.0	566865.0	1.055045	Y



Calibration

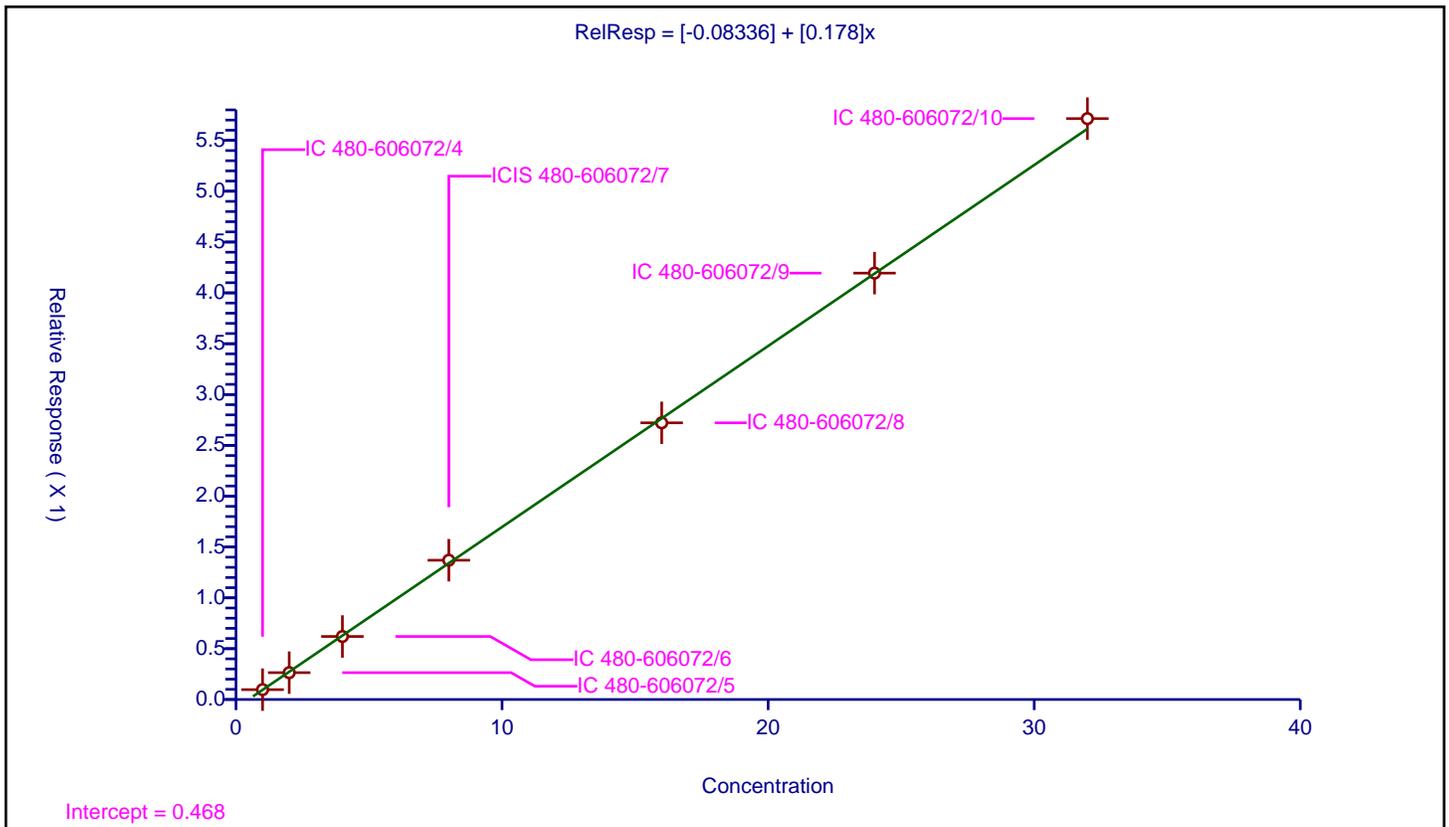
/ 4-Nitrophenol

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-0.08336
Slope:	0.178

Error Coefficients	
Standard Error:	484000
Relative Standard Error:	1.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.097019	4.0	486628.0	0.097019	Y
2	IC 480-606072/5	2.0	0.264004	4.0	489690.0	0.132002	Y
3	IC 480-606072/6	4.0	0.619781	4.0	524095.0	0.154945	Y
4	ICIS 480-606072/7	8.0	1.369931	4.0	522479.0	0.171241	Y
5	IC 480-606072/8	16.0	2.721586	4.0	534043.0	0.170099	Y
6	IC 480-606072/9	24.0	4.194309	4.0	557196.0	0.174763	Y
7	IC 480-606072/10	32.0	5.714087	4.0	566865.0	0.178565	Y



Calibration

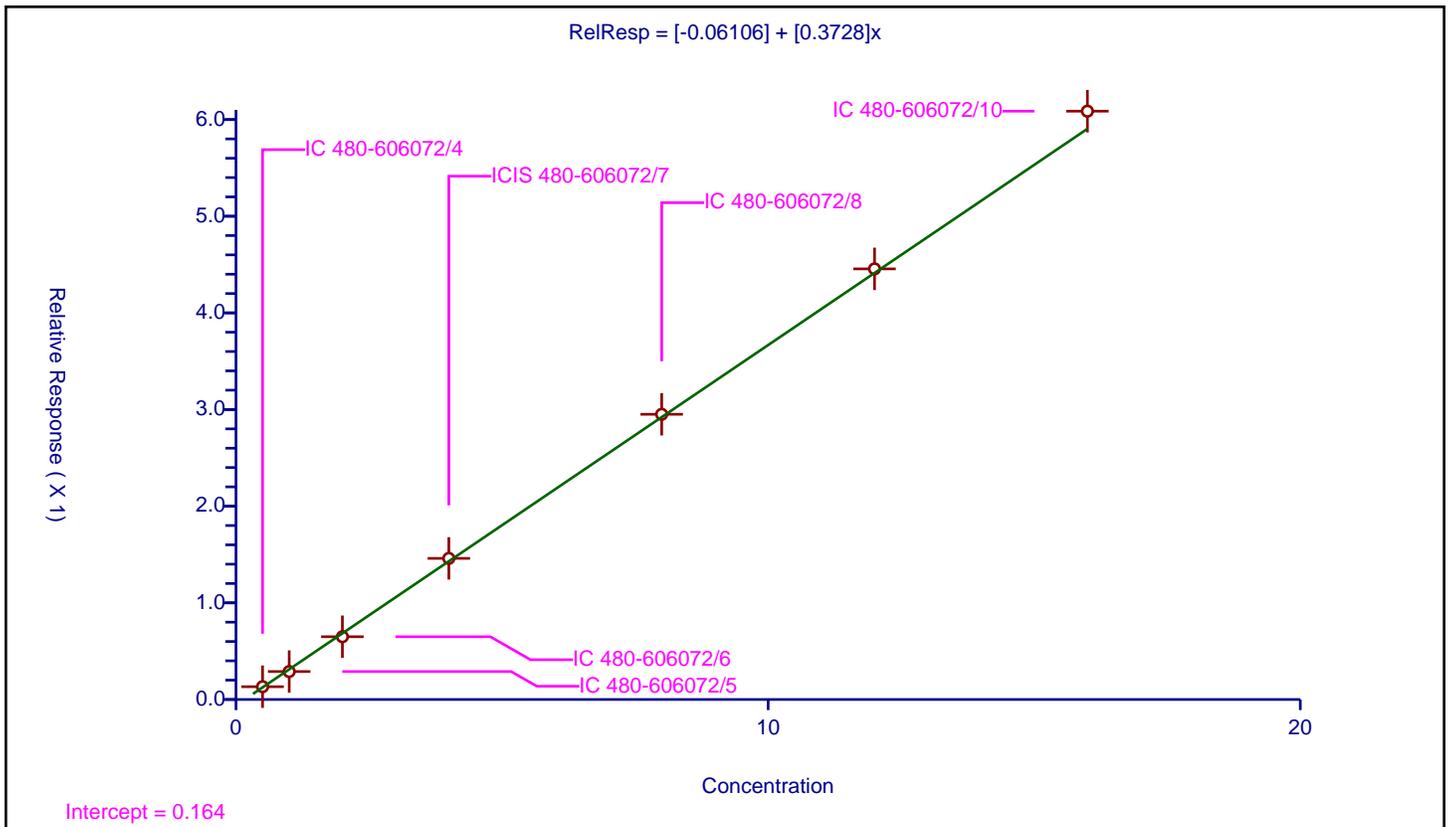
/ 2,4-Dinitrotoluene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.06106
Slope:	0.3728

Error Coefficients	
Standard Error:	516000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.132339	4.0	486628.0	0.264679	Y
2	IC 480-606072/5	1.0	0.28922	4.0	489690.0	0.28922	Y
3	IC 480-606072/6	2.0	0.64944	4.0	524095.0	0.32472	Y
4	ICIS 480-606072/7	4.0	1.460001	4.0	522479.0	0.365	Y
5	IC 480-606072/8	8.0	2.950878	4.0	534043.0	0.36886	Y
6	IC 480-606072/9	12.0	4.455122	4.0	557196.0	0.37126	Y
7	IC 480-606072/10	16.0	6.086924	4.0	566865.0	0.380433	Y



Calibration

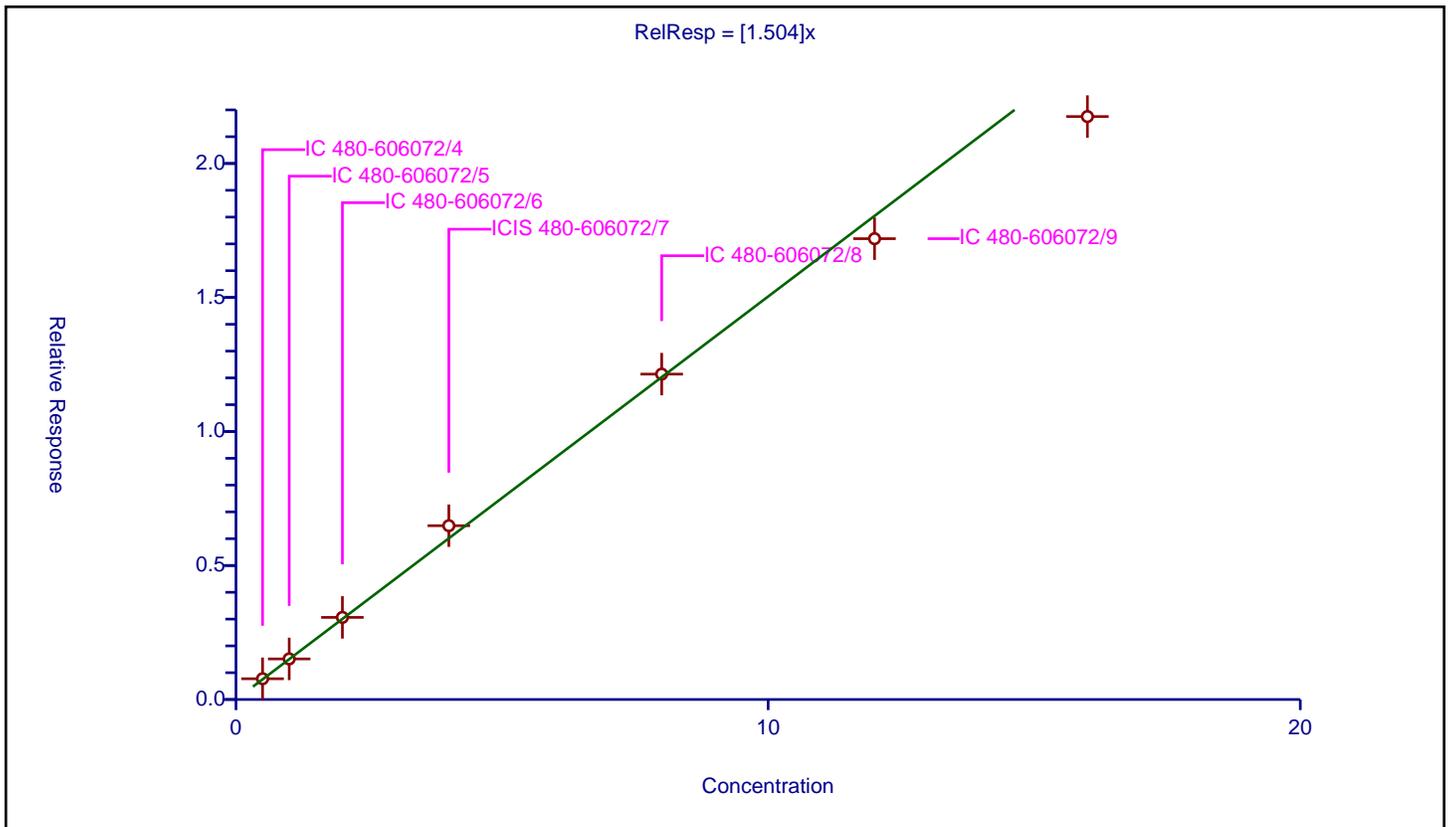
/ Dibenzofuran

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.504

Error Coefficients	
Standard Error:	1770000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.774193	4.0	486628.0	1.548386	Y
2	IC 480-606072/5	1.0	1.513864	4.0	489690.0	1.513864	Y
3	IC 480-606072/6	2.0	3.063719	4.0	524095.0	1.53186	Y
4	ICIS 480-606072/7	4.0	6.484953	4.0	522479.0	1.621238	Y
5	IC 480-606072/8	8.0	12.140513	4.0	534043.0	1.517564	Y
6	IC 480-606072/9	12.0	17.194165	4.0	557196.0	1.432847	Y
7	IC 480-606072/10	16.0	21.751436	4.0	566865.0	1.359465	Y



Calibration

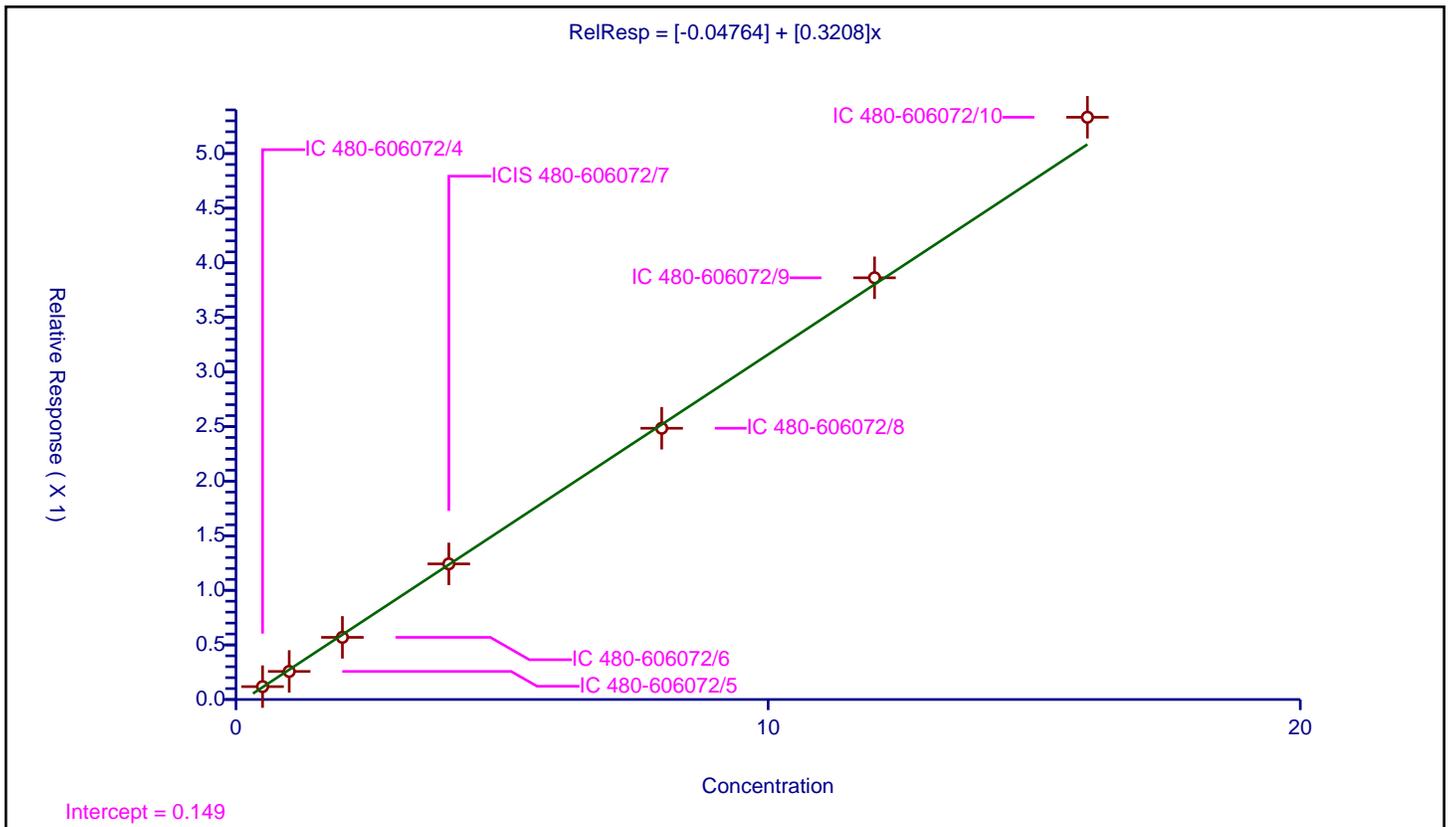
/ 2,3,4,6-Tetrachlorophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.04764
Slope:	0.3208

Error Coefficients	
Standard Error:	448000
Relative Standard Error:	4.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.117971	4.0	486628.0	0.235942	Y
2	IC 480-606072/5	1.0	0.25711	4.0	489690.0	0.25711	Y
3	IC 480-606072/6	2.0	0.569004	4.0	524095.0	0.284502	Y
4	ICIS 480-606072/7	4.0	1.242063	4.0	522479.0	0.310516	Y
5	IC 480-606072/8	8.0	2.484077	4.0	534043.0	0.31051	Y
6	IC 480-606072/9	12.0	3.862267	4.0	557196.0	0.321856	Y
7	IC 480-606072/10	16.0	5.332515	4.0	566865.0	0.333282	Y



Calibration

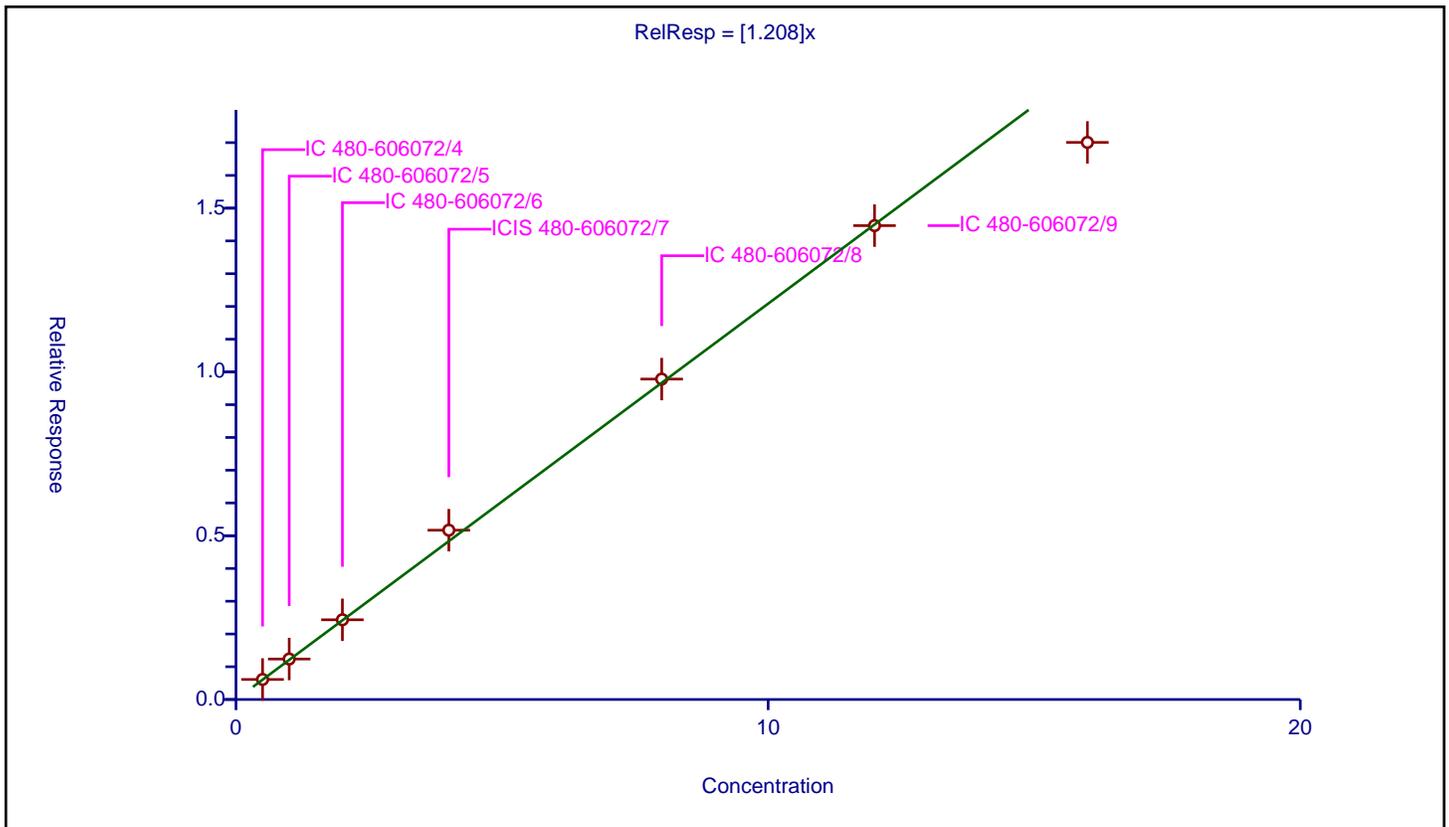
/ Diethyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.208

Error Coefficients	
Standard Error:	1420000
Relative Standard Error:	5.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.611531	4.0	486628.0	1.223062	Y
2	IC 480-606072/5	1.0	1.235476	4.0	489690.0	1.235476	Y
3	IC 480-606072/6	2.0	2.433856	4.0	524095.0	1.216928	Y
4	ICIS 480-606072/7	4.0	5.168698	4.0	522479.0	1.292174	Y
5	IC 480-606072/8	8.0	9.782493	4.0	534043.0	1.222812	Y
6	IC 480-606072/9	12.0	14.466629	4.0	557196.0	1.205552	Y
7	IC 480-606072/10	16.0	17.007351	4.0	566865.0	1.062959	Y



Calibration

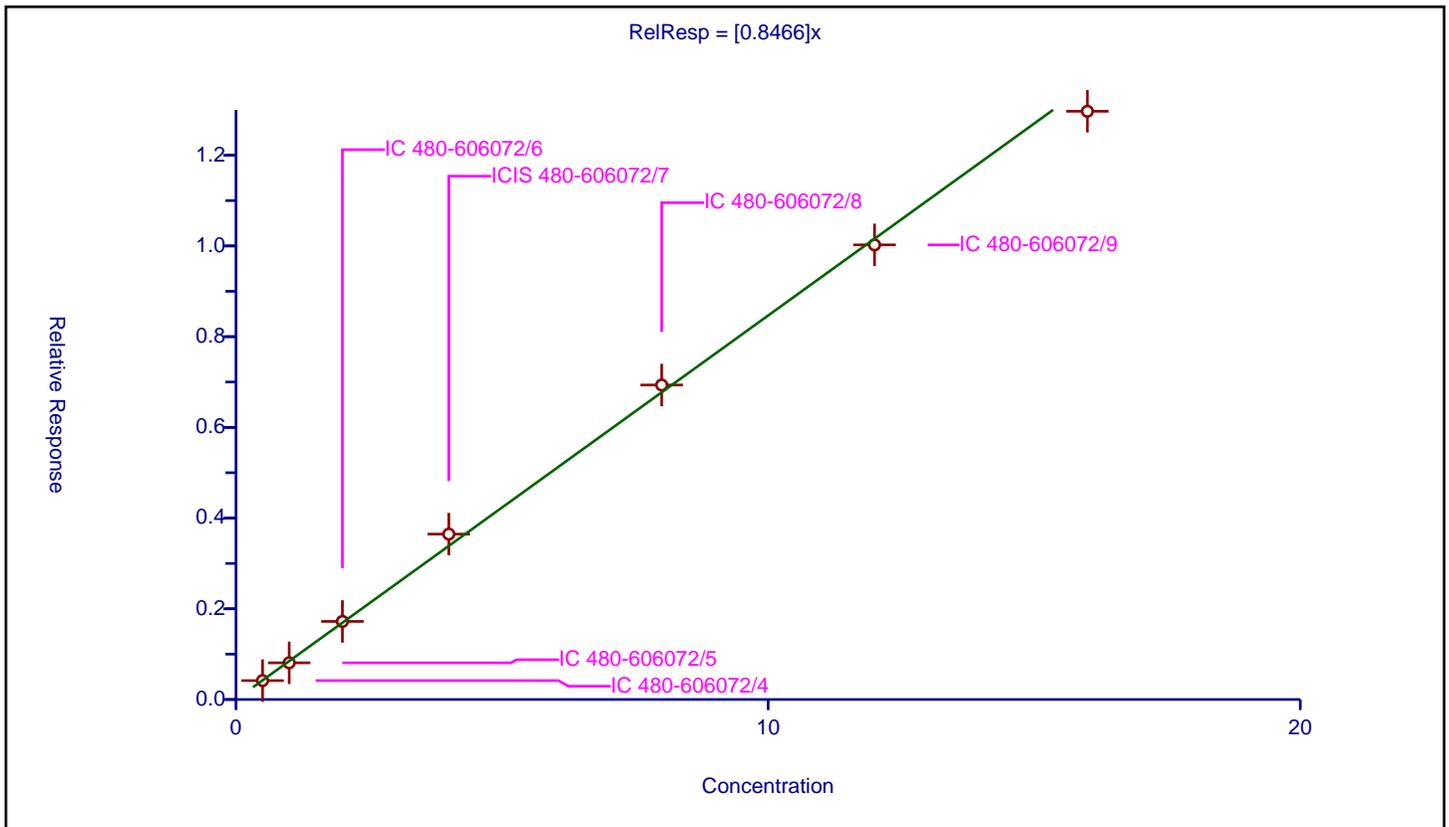
/ Hexadecane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8466

Error Coefficients	
Standard Error:	1040000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.416367	4.0	486628.0	0.832735	Y
2	IC 480-606072/5	1.0	0.808552	4.0	489690.0	0.808552	Y
3	IC 480-606072/6	2.0	1.721612	4.0	524095.0	0.860806	Y
4	ICIS 480-606072/7	4.0	3.64647	4.0	522479.0	0.911618	Y
5	IC 480-606072/8	8.0	6.933659	4.0	534043.0	0.866707	Y
6	IC 480-606072/9	12.0	10.023747	4.0	557196.0	0.835312	Y
7	IC 480-606072/10	16.0	12.969649	4.0	566865.0	0.810603	Y



Calibration

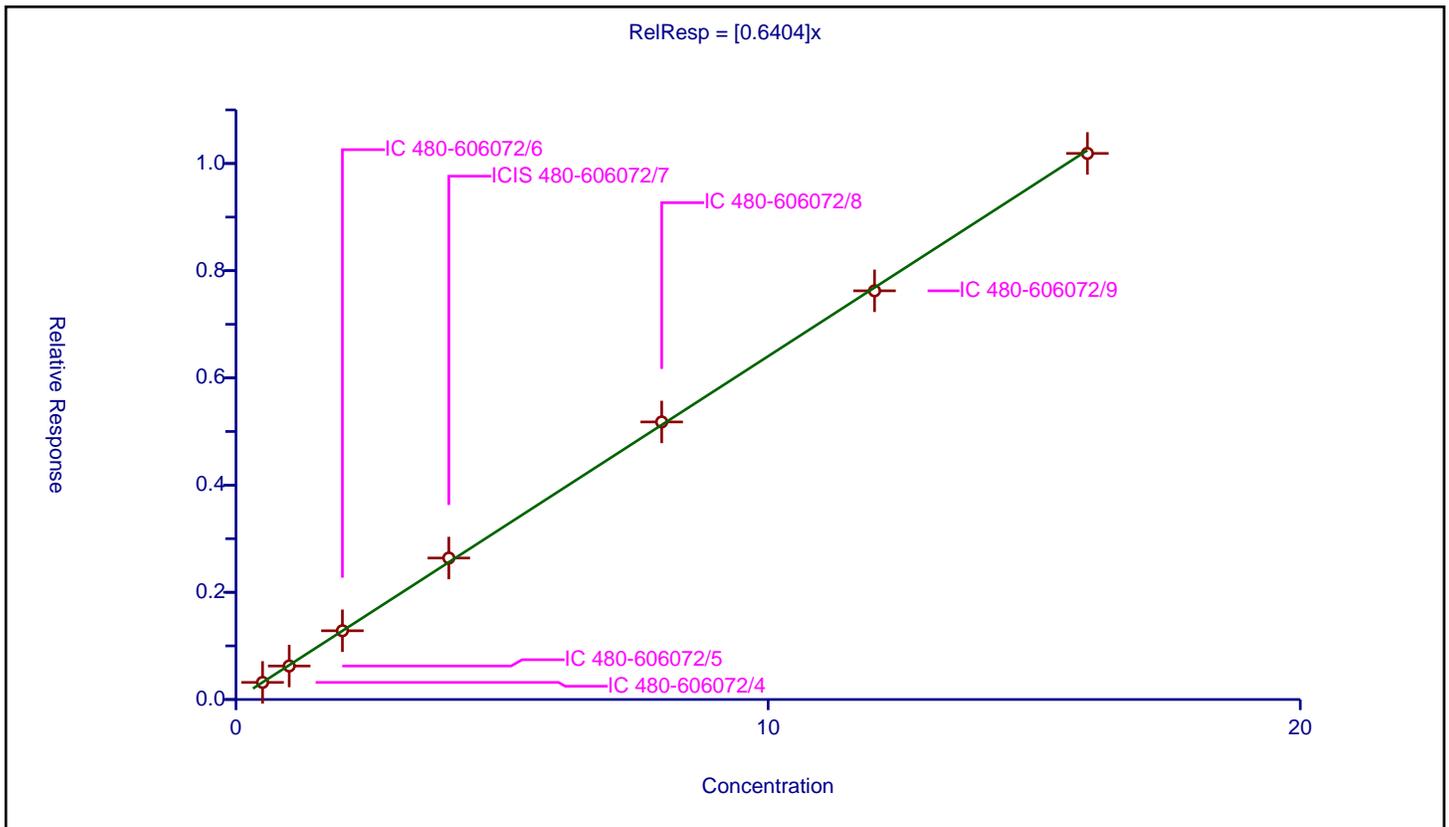
/ 4-Chlorophenyl phenyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6404

Error Coefficients	
Standard Error:	801000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.318584	4.0	486628.0	0.637168	Y
2	IC 480-606072/5	1.0	0.625089	4.0	489690.0	0.625089	Y
3	IC 480-606072/6	2.0	1.282416	4.0	524095.0	0.641208	Y
4	ICIS 480-606072/7	4.0	2.639471	4.0	522479.0	0.659868	Y
5	IC 480-606072/8	8.0	5.178197	4.0	534043.0	0.647275	Y
6	IC 480-606072/9	12.0	7.624549	4.0	557196.0	0.635379	Y
7	IC 480-606072/10	16.0	10.188034	4.0	566865.0	0.636752	Y



Calibration

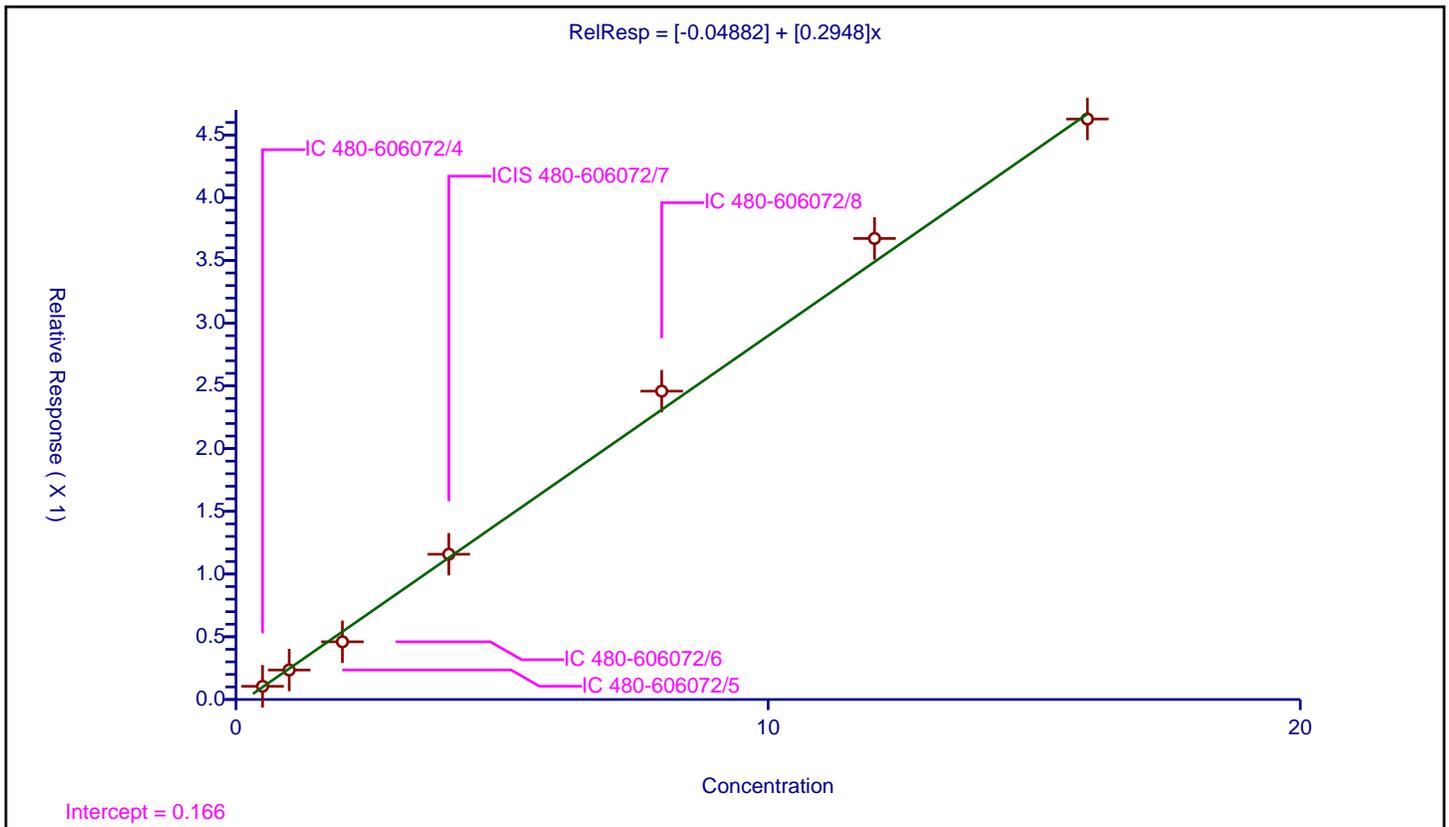
/ 4-Nitroaniline

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.04882
Slope:	0.2948

Error Coefficients	
Standard Error:	407000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.105074	4.0	486628.0	0.210148	Y
2	IC 480-606072/5	1.0	0.235055	4.0	489690.0	0.235055	Y
3	IC 480-606072/6	2.0	0.459955	4.0	524095.0	0.229977	Y
4	ICIS 480-606072/7	4.0	1.157941	4.0	522479.0	0.289485	Y
5	IC 480-606072/8	8.0	2.458012	4.0	534043.0	0.307251	Y
6	IC 480-606072/9	12.0	3.674822	4.0	557196.0	0.306235	Y
7	IC 480-606072/10	16.0	4.627275	4.0	566865.0	0.289205	Y



Calibration

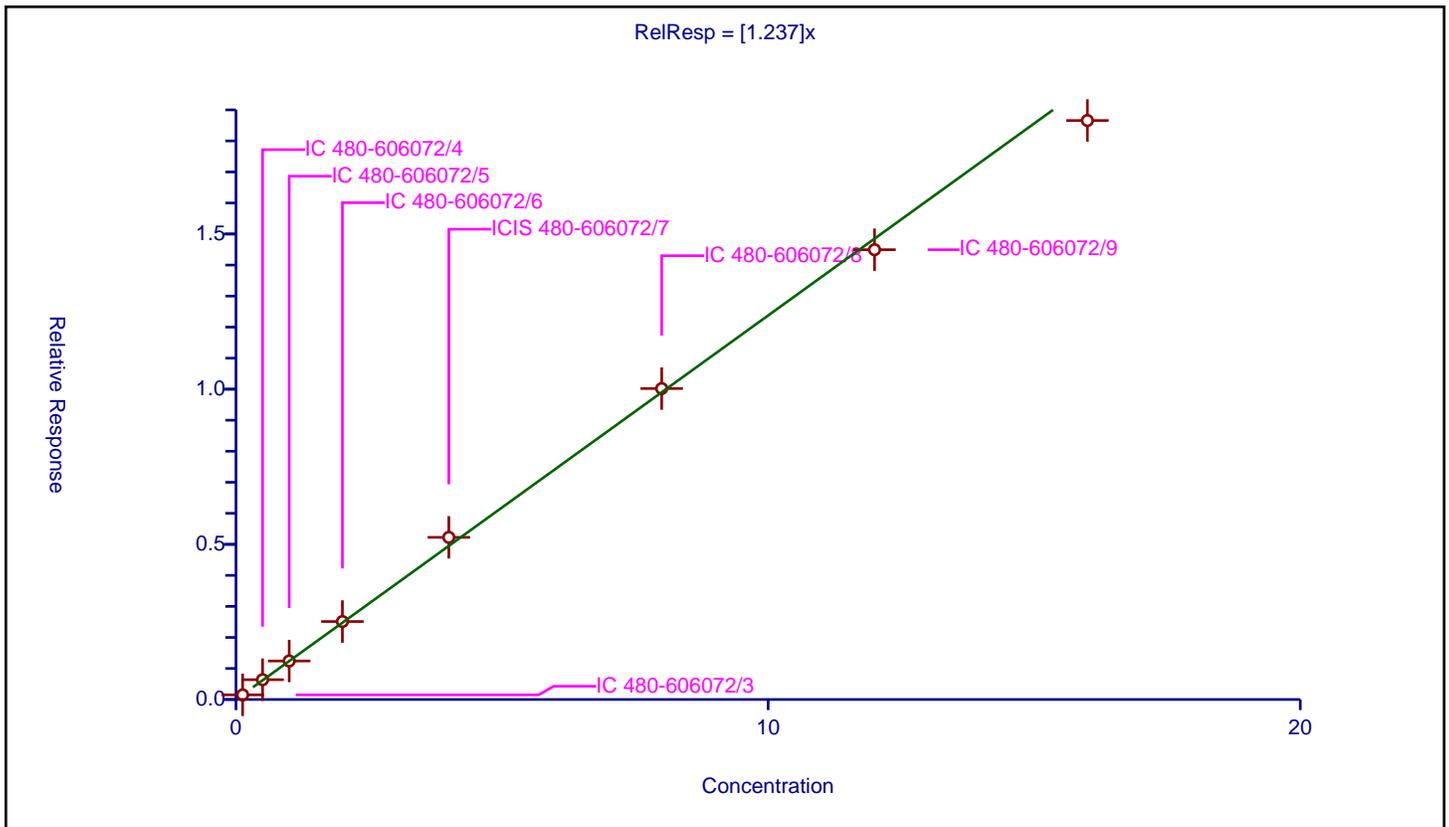
/ Fluorene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.237

Error Coefficients	
Standard Error:	1390000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.14924	4.0	473573.0	1.193919	Y
2	IC 480-606072/4	0.5	0.638105	4.0	486628.0	1.276211	Y
3	IC 480-606072/5	1.0	1.24085	4.0	489690.0	1.24085	Y
4	IC 480-606072/6	2.0	2.512308	4.0	524095.0	1.256154	Y
5	ICIS 480-606072/7	4.0	5.224999	4.0	522479.0	1.30625	Y
6	IC 480-606072/8	8.0	10.020556	4.0	534043.0	1.25257	Y
7	IC 480-606072/9	12.0	14.494497	4.0	557196.0	1.207875	Y
8	IC 480-606072/10	16.0	18.657232	4.0	566865.0	1.166077	Y



Calibration

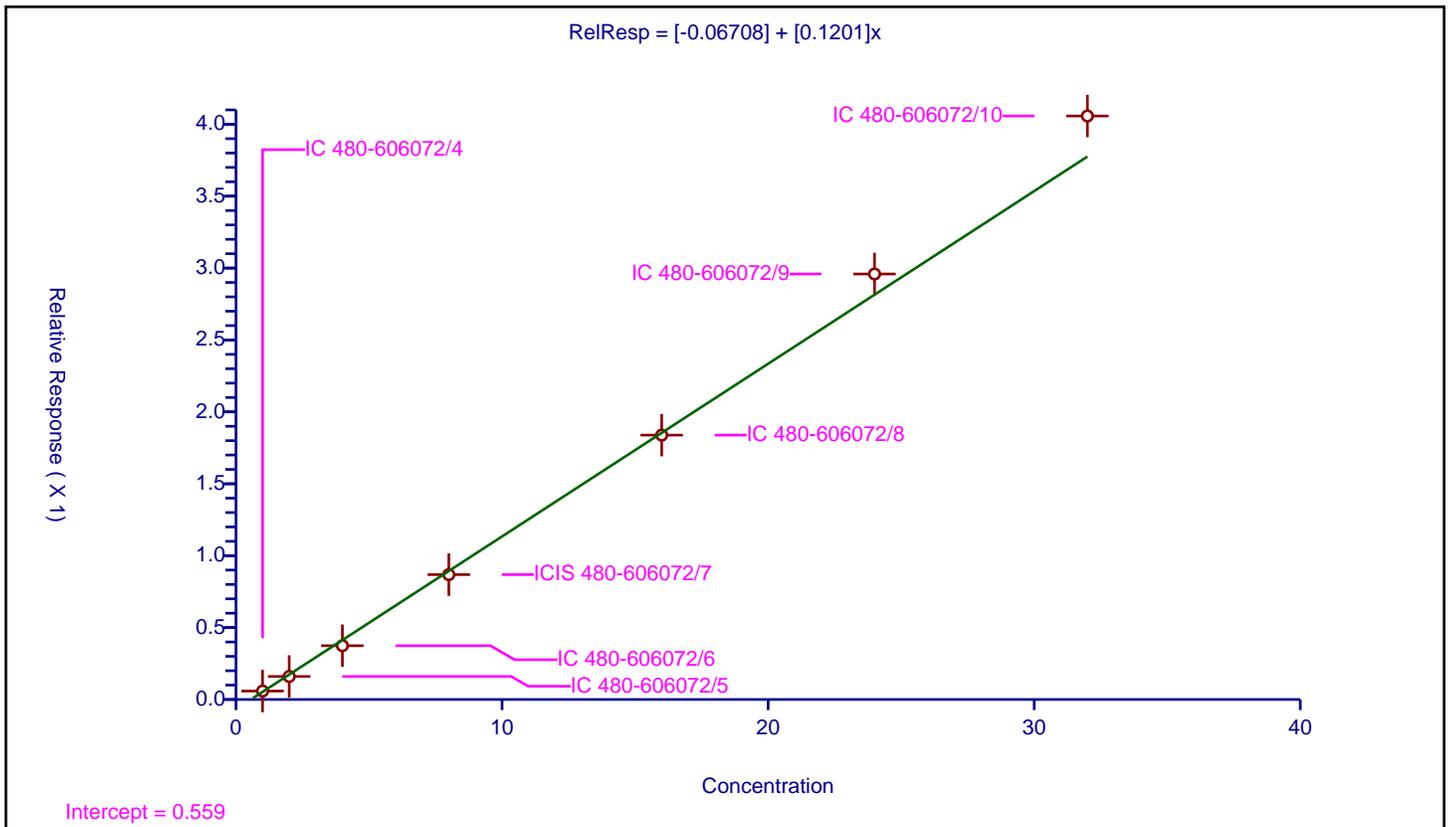
/ 4,6-Dinitro-2-methylphenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.06708
Slope:	0.1201

Error Coefficients	
Standard Error:	571000
Relative Standard Error:	6.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.058634	4.0	817689.0	0.058634	Y
2	IC 480-606072/5	2.0	0.160073	4.0	836068.0	0.080037	Y
3	IC 480-606072/6	4.0	0.374045	4.0	873178.0	0.093511	Y
4	ICIS 480-606072/7	8.0	0.868409	4.0	902110.0	0.108551	Y
5	IC 480-606072/8	16.0	1.838305	4.0	915528.0	0.114894	Y
6	IC 480-606072/9	24.0	2.95894	4.0	924097.0	0.123289	Y
7	IC 480-606072/10	32.0	4.057512	4.0	956398.0	0.126797	Y



Calibration

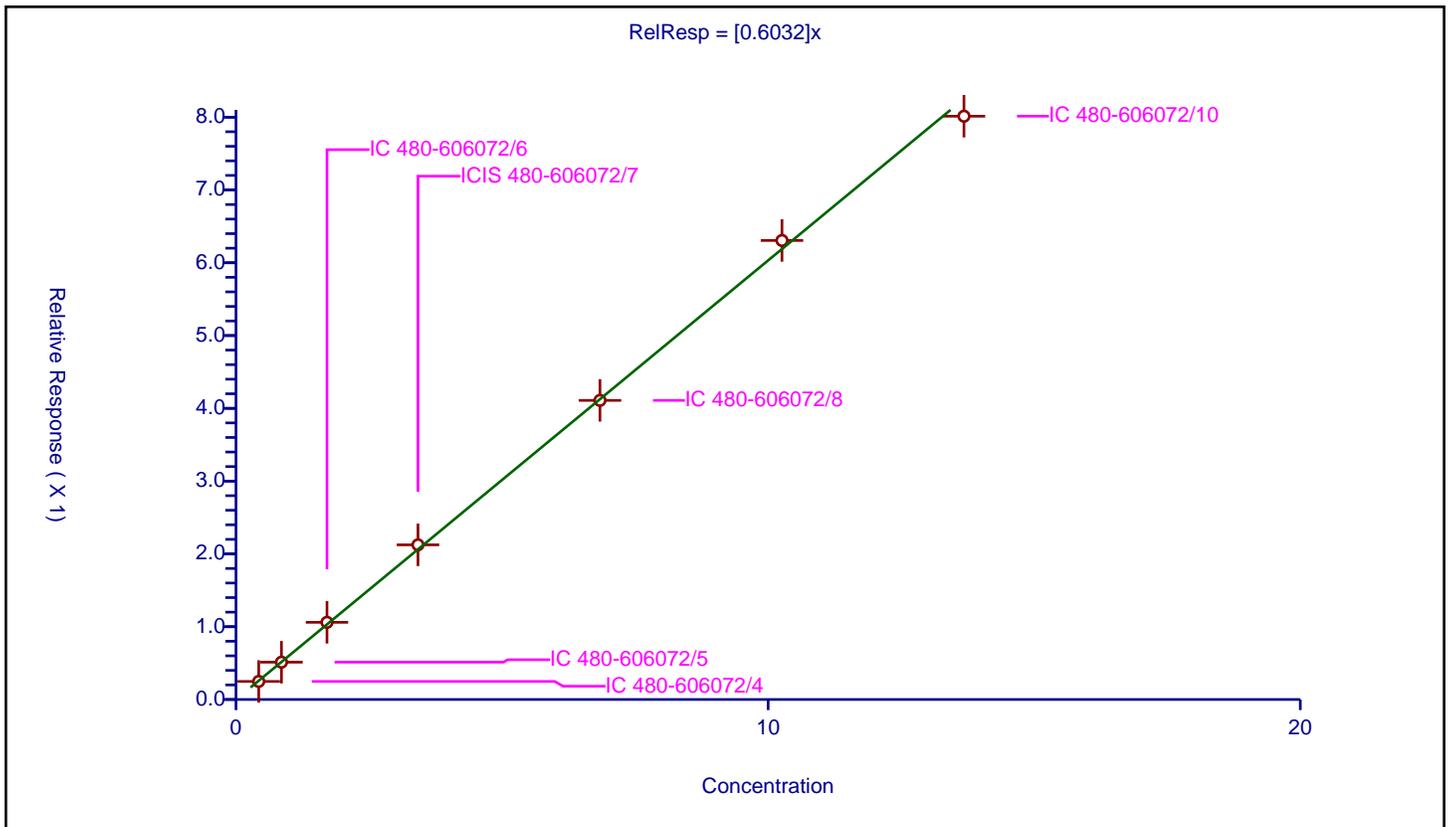
/ Diphenylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6032

Error Coefficients	
Standard Error:	1080000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.4275	0.248114	4.0	817689.0	0.580383	Y
2	IC 480-606072/5	0.855	0.512815	4.0	836068.0	0.599783	Y
3	IC 480-606072/6	1.71	1.060045	4.0	873178.0	0.619909	Y
4	ICIS 480-606072/7	3.42	2.124495	4.0	902110.0	0.621197	Y
5	IC 480-606072/8	6.84	4.109205	4.0	915528.0	0.600761	Y
6	IC 480-606072/9	10.26	6.306078	4.0	924097.0	0.614628	Y
7	IC 480-606072/10	13.68	8.0133	4.0	956398.0	0.585768	Y



Calibration

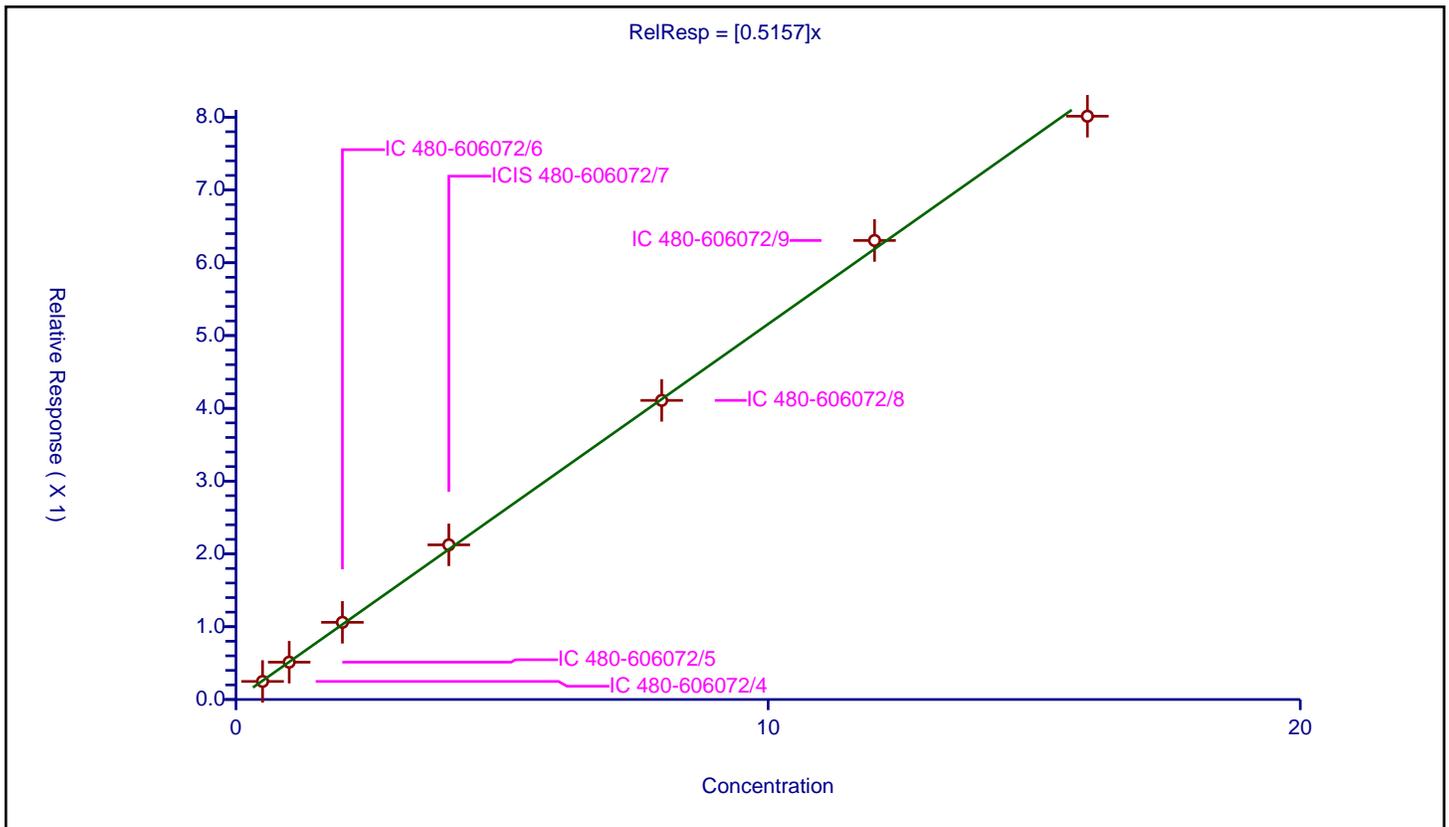
/ N-Nitrosodiphenylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5157

Error Coefficients	
Standard Error:	1080000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.248114	4.0	817689.0	0.496228	Y
2	IC 480-606072/5	1.0	0.512815	4.0	836068.0	0.512815	Y
3	IC 480-606072/6	2.0	1.060045	4.0	873178.0	0.530023	Y
4	ICIS 480-606072/7	4.0	2.124495	4.0	902110.0	0.531124	Y
5	IC 480-606072/8	8.0	4.109205	4.0	915528.0	0.513651	Y
6	IC 480-606072/9	12.0	6.306078	4.0	924097.0	0.525507	Y
7	IC 480-606072/10	16.0	8.0133	4.0	956398.0	0.500831	Y



Calibration

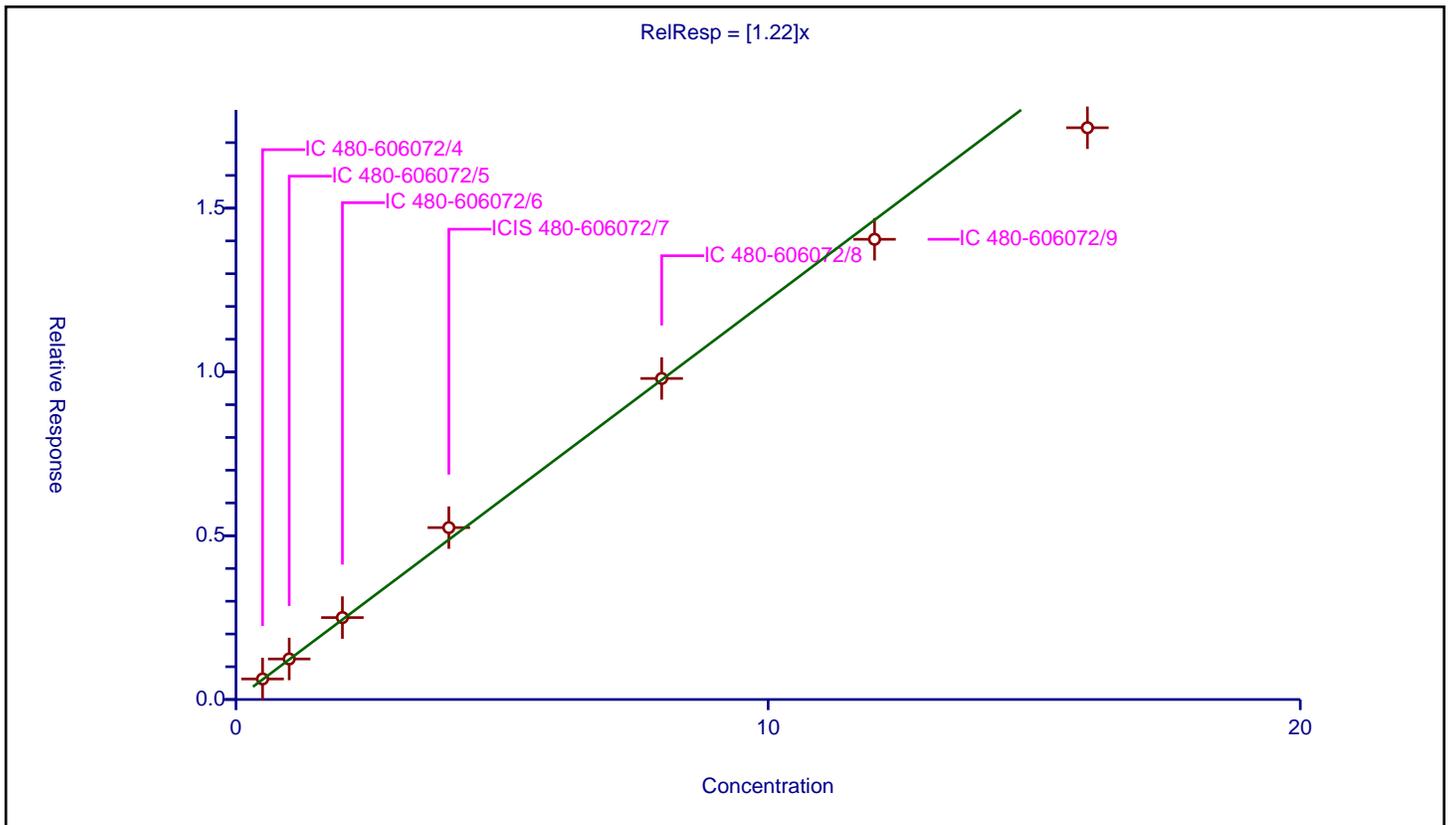
/ 1,2-Diphenylhydrazine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.22

Error Coefficients	
Standard Error:	1430000
Relative Standard Error:	5.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.626614	4.0	486628.0	1.253228	Y
2	IC 480-606072/5	1.0	1.237362	4.0	489690.0	1.237362	Y
3	IC 480-606072/6	2.0	2.500829	4.0	524095.0	1.250415	Y
4	ICIS 480-606072/7	4.0	5.247836	4.0	522479.0	1.311959	Y
5	IC 480-606072/8	8.0	9.800477	4.0	534043.0	1.22506	Y
6	IC 480-606072/9	12.0	14.050043	4.0	557196.0	1.170837	Y
7	IC 480-606072/10	16.0	17.455373	4.0	566865.0	1.090961	Y



Calibration

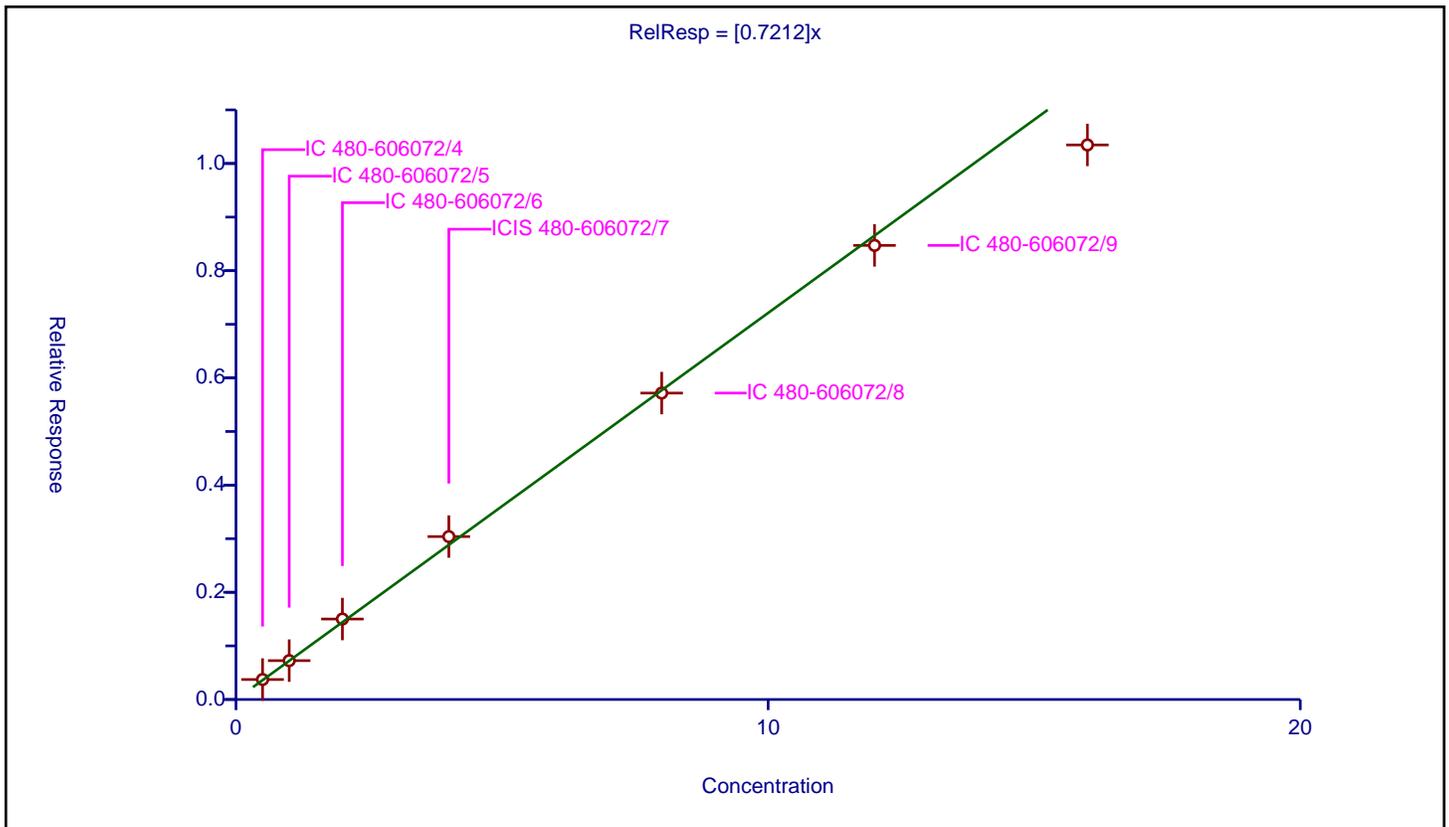
/ Azobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7212

Error Coefficients	
Standard Error:	1430000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.372914	4.0	817689.0	0.745829	Y
2	IC 480-606072/5	1.0	0.724731	4.0	836068.0	0.724731	Y
3	IC 480-606072/6	2.0	1.501036	4.0	873178.0	0.750518	Y
4	ICIS 480-606072/7	4.0	3.039412	4.0	902110.0	0.759853	Y
5	IC 480-606072/8	8.0	5.716784	4.0	915528.0	0.714598	Y
6	IC 480-606072/9	12.0	8.471652	4.0	924097.0	0.705971	Y
7	IC 480-606072/10	16.0	10.345944	4.0	956398.0	0.646621	Y



Calibration

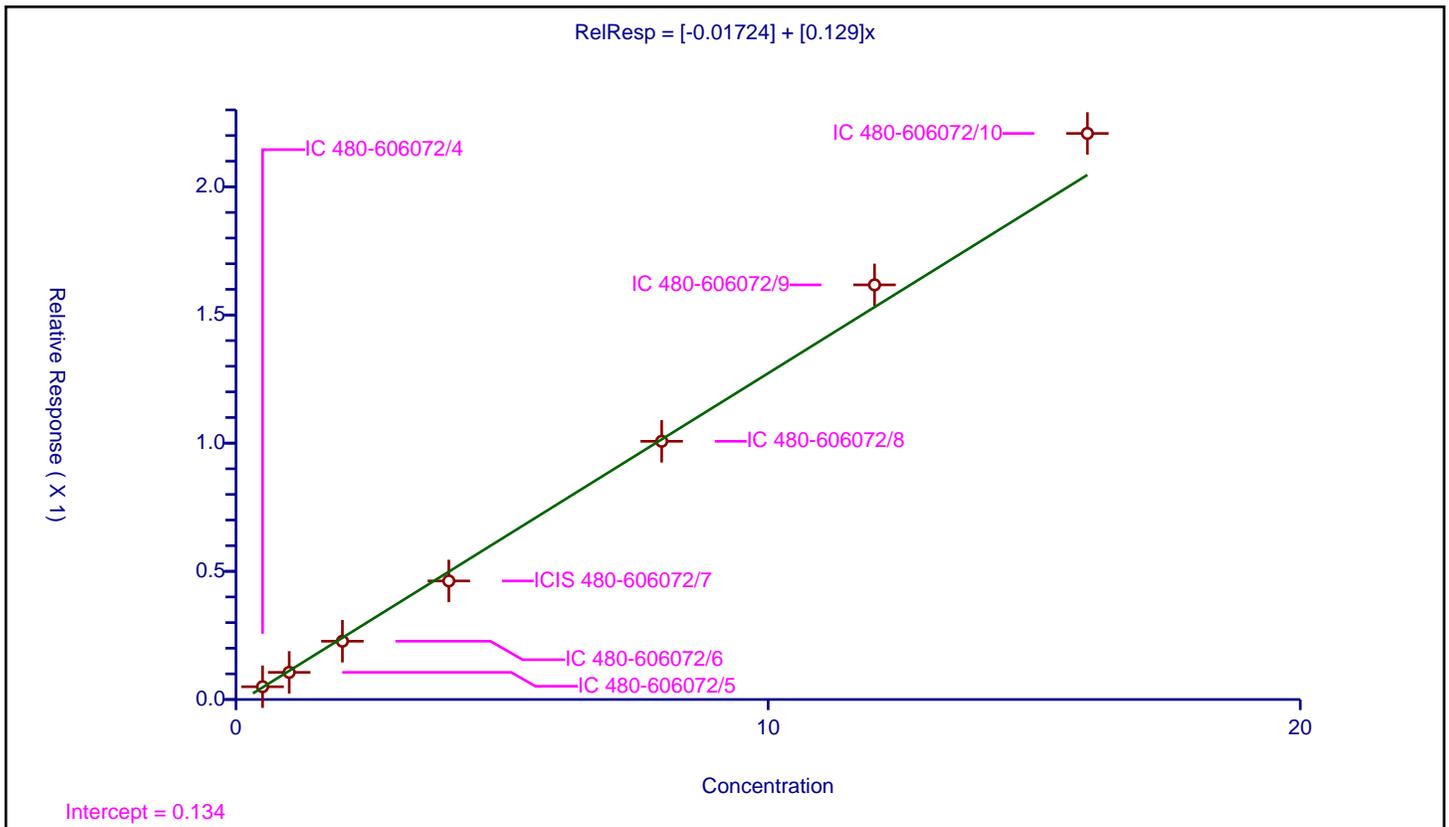
/ 2,4,6-Tribromophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.01724
Slope:	0.129

Error Coefficients	
Standard Error:	312000
Relative Standard Error:	6.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.049833	4.0	817689.0	0.099666	Y
2	IC 480-606072/5	1.0	0.105905	4.0	836068.0	0.105905	Y
3	IC 480-606072/6	2.0	0.227385	4.0	873178.0	0.113693	Y
4	ICIS 480-606072/7	4.0	0.462414	4.0	902110.0	0.115603	Y
5	IC 480-606072/8	8.0	1.007318	4.0	915528.0	0.125915	Y
6	IC 480-606072/9	12.0	1.617449	4.0	924097.0	0.134787	Y
7	IC 480-606072/10	16.0	2.208102	4.0	956398.0	0.138006	Y



Calibration

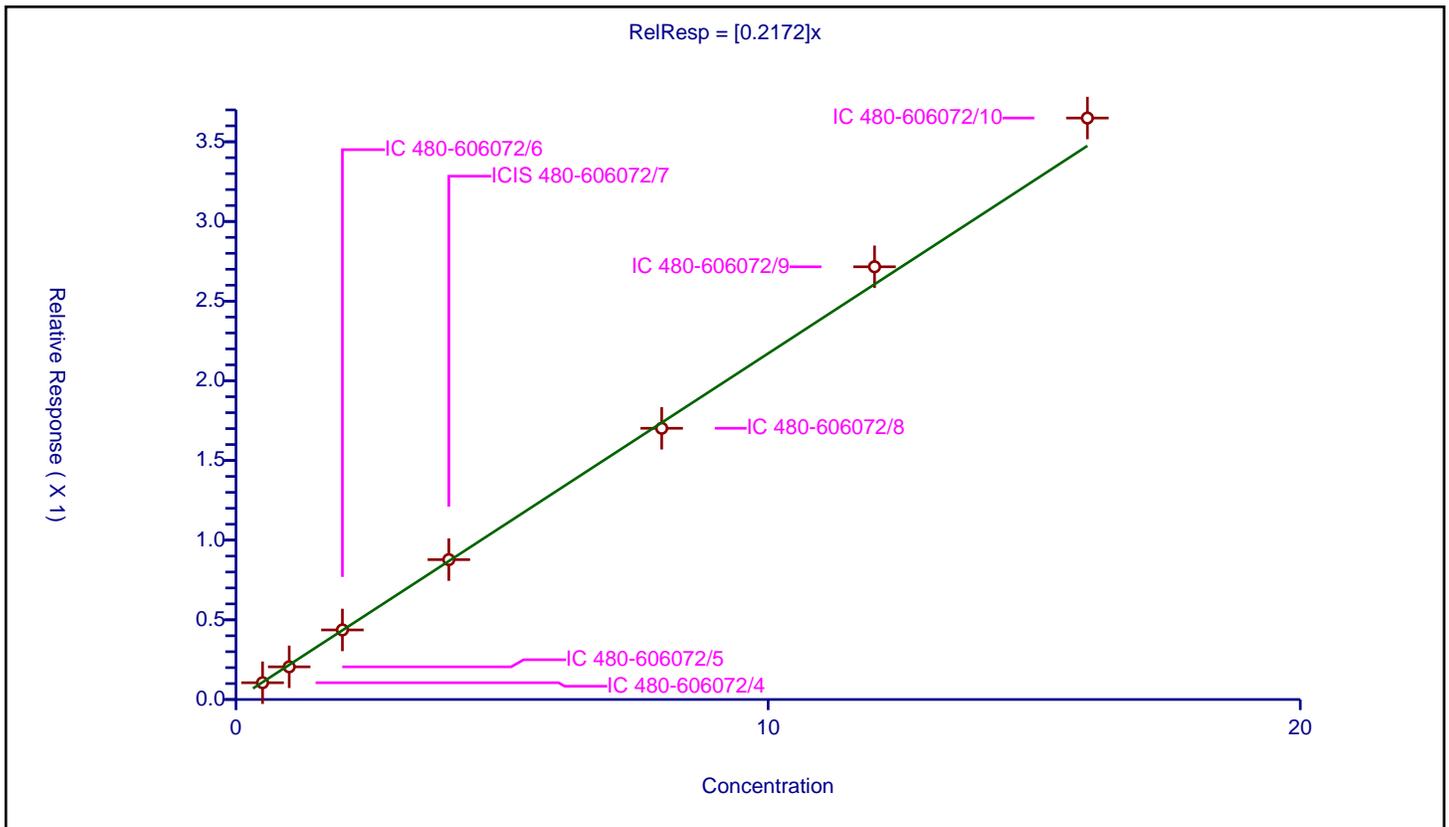
/ 4-Bromophenyl phenyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2172

Error Coefficients	
Standard Error:	476000
Relative Standard Error:	3.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.105218	4.0	817689.0	0.210437	Y
2	IC 480-606072/5	1.0	0.204921	4.0	836068.0	0.204921	Y
3	IC 480-606072/6	2.0	0.436475	4.0	873178.0	0.218237	Y
4	ICIS 480-606072/7	4.0	0.877587	4.0	902110.0	0.219397	Y
5	IC 480-606072/8	8.0	1.701921	4.0	915528.0	0.21274	Y
6	IC 480-606072/9	12.0	2.715481	4.0	924097.0	0.22629	Y
7	IC 480-606072/10	16.0	3.648845	4.0	956398.0	0.228053	Y



Calibration

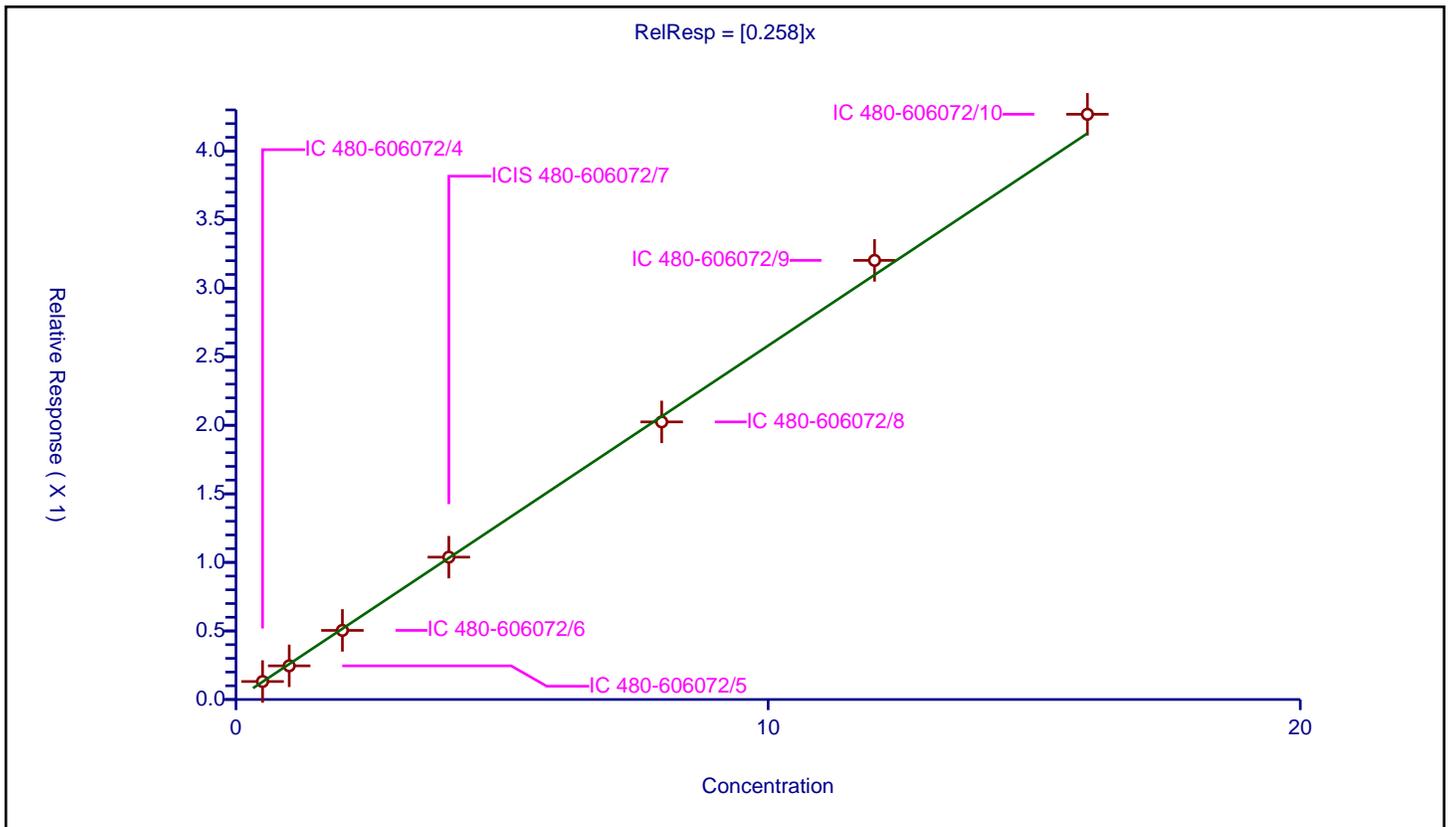
/ Hexachlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.258

Error Coefficients	
Standard Error:	559000
Relative Standard Error:	3.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.131282	4.0	817689.0	0.262564	Y
2	IC 480-606072/5	1.0	0.245482	4.0	836068.0	0.245482	Y
3	IC 480-606072/6	2.0	0.504085	4.0	873178.0	0.252043	Y
4	ICIS 480-606072/7	4.0	1.038144	4.0	902110.0	0.259536	Y
5	IC 480-606072/8	8.0	2.024532	4.0	915528.0	0.253067	Y
6	IC 480-606072/9	12.0	3.202478	4.0	924097.0	0.266873	Y
7	IC 480-606072/10	16.0	4.268093	4.0	956398.0	0.266756	Y



Calibration

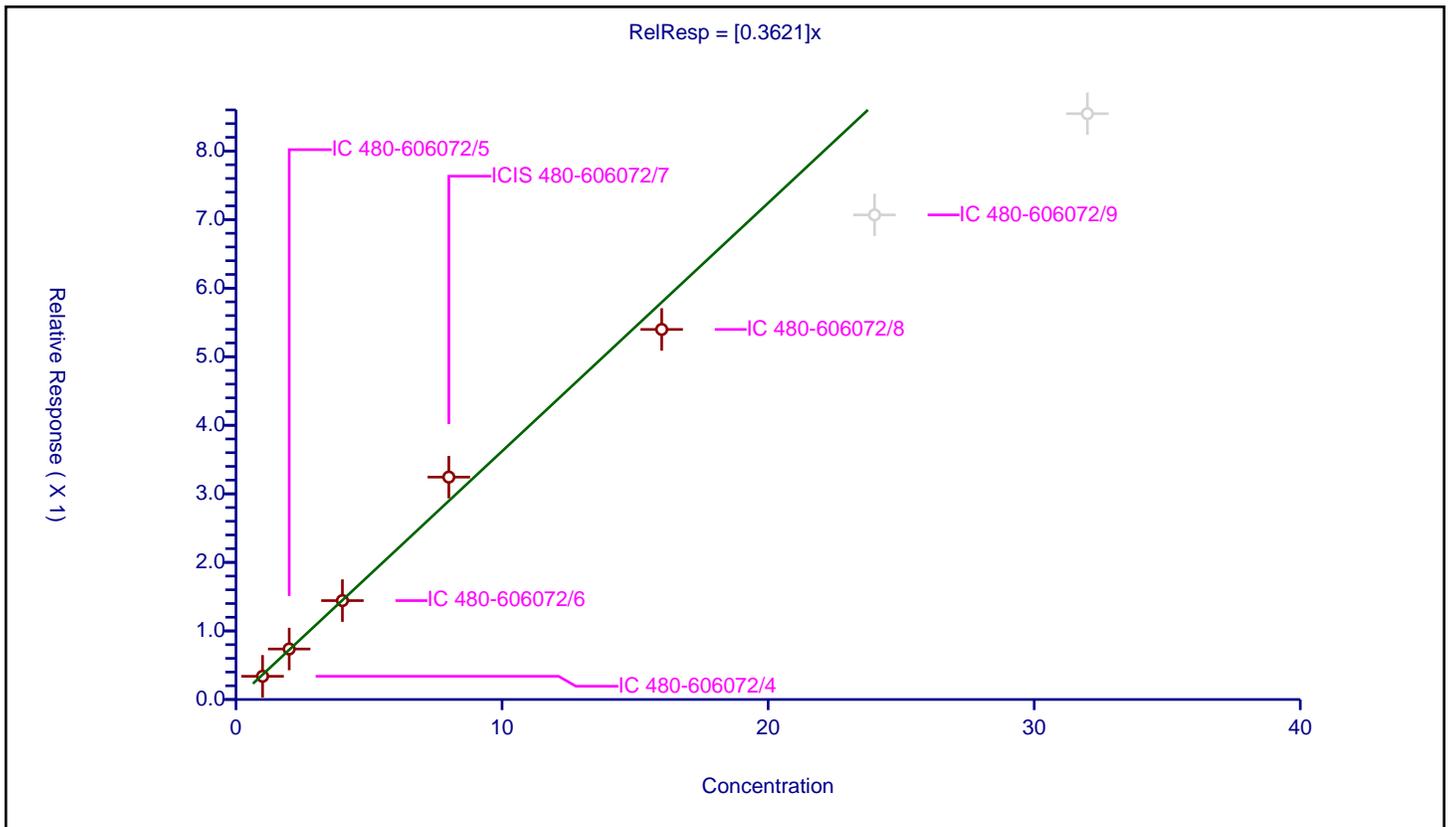
/ Atrazine

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3621

Error Coefficients	
Standard Error:	431000
Relative Standard Error:	7.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.338657	4.0	486628.0	0.338657	Y
2	IC 480-606072/5	2.0	0.736597	4.0	489690.0	0.368298	Y
3	IC 480-606072/6	4.0	1.442456	4.0	524095.0	0.360614	Y
4	ICIS 480-606072/7	8.0	3.24405	4.0	522479.0	0.405506	Y
5	IC 480-606072/8	16.0	5.397573	4.0	534043.0	0.337348	Y
6	IC 480-606072/9	24.0	7.068048	4.0	557196.0	0.294502	N
7	IC 480-606072/10	32.0	8.54468	4.0	566865.0	0.267021	N



Calibration

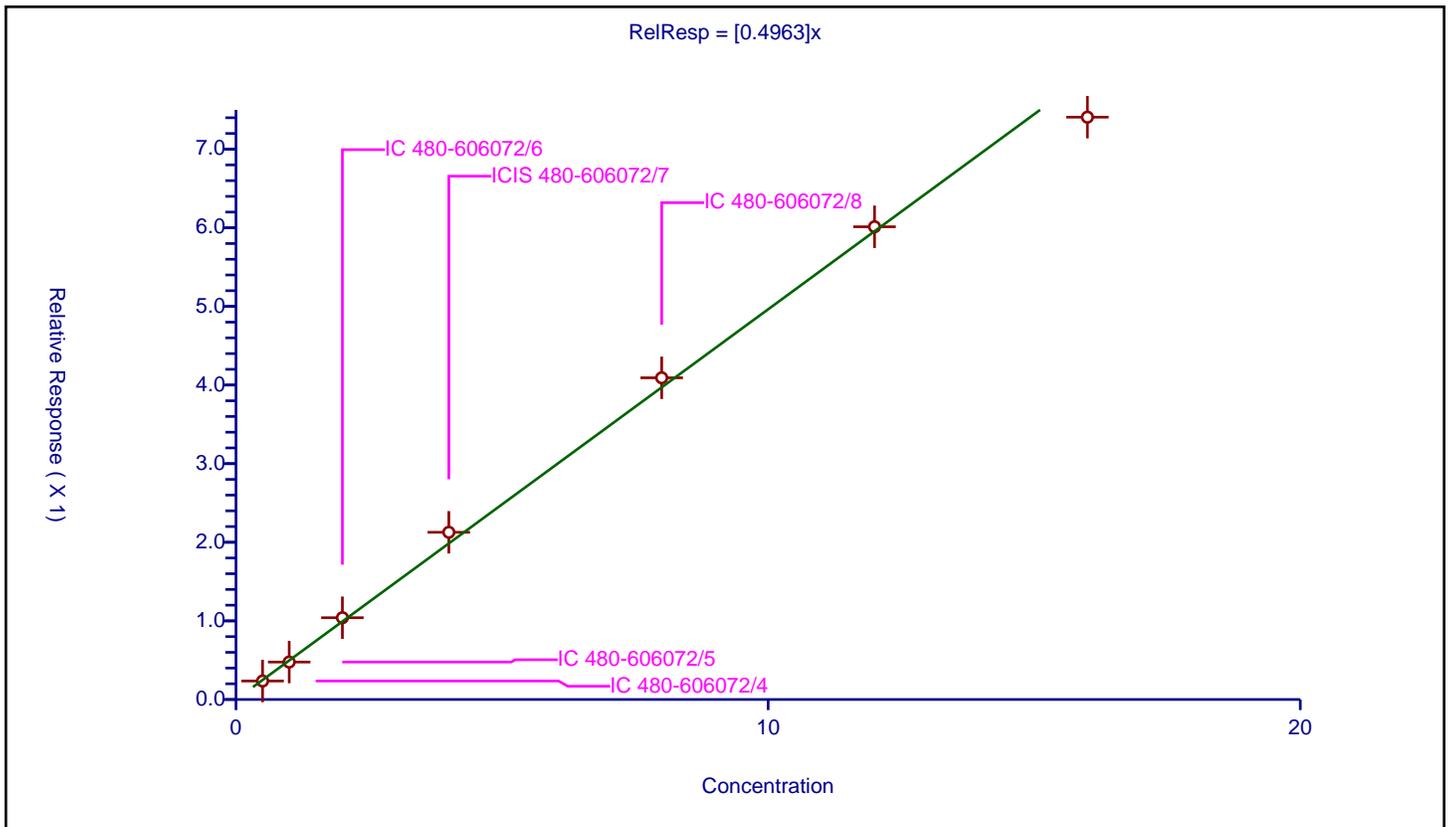
/ n-Octadecane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4963

Error Coefficients	
Standard Error:	1020000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.235224	4.0	817689.0	0.470448	Y
2	IC 480-606072/5	1.0	0.476378	4.0	836068.0	0.476378	Y
3	IC 480-606072/6	2.0	1.040306	4.0	873178.0	0.520153	Y
4	ICIS 480-606072/7	4.0	2.127098	4.0	902110.0	0.531774	Y
5	IC 480-606072/8	8.0	4.092139	4.0	915528.0	0.511517	Y
6	IC 480-606072/9	12.0	6.013122	4.0	924097.0	0.501093	Y
7	IC 480-606072/10	16.0	7.407544	4.0	956398.0	0.462971	Y



Calibration

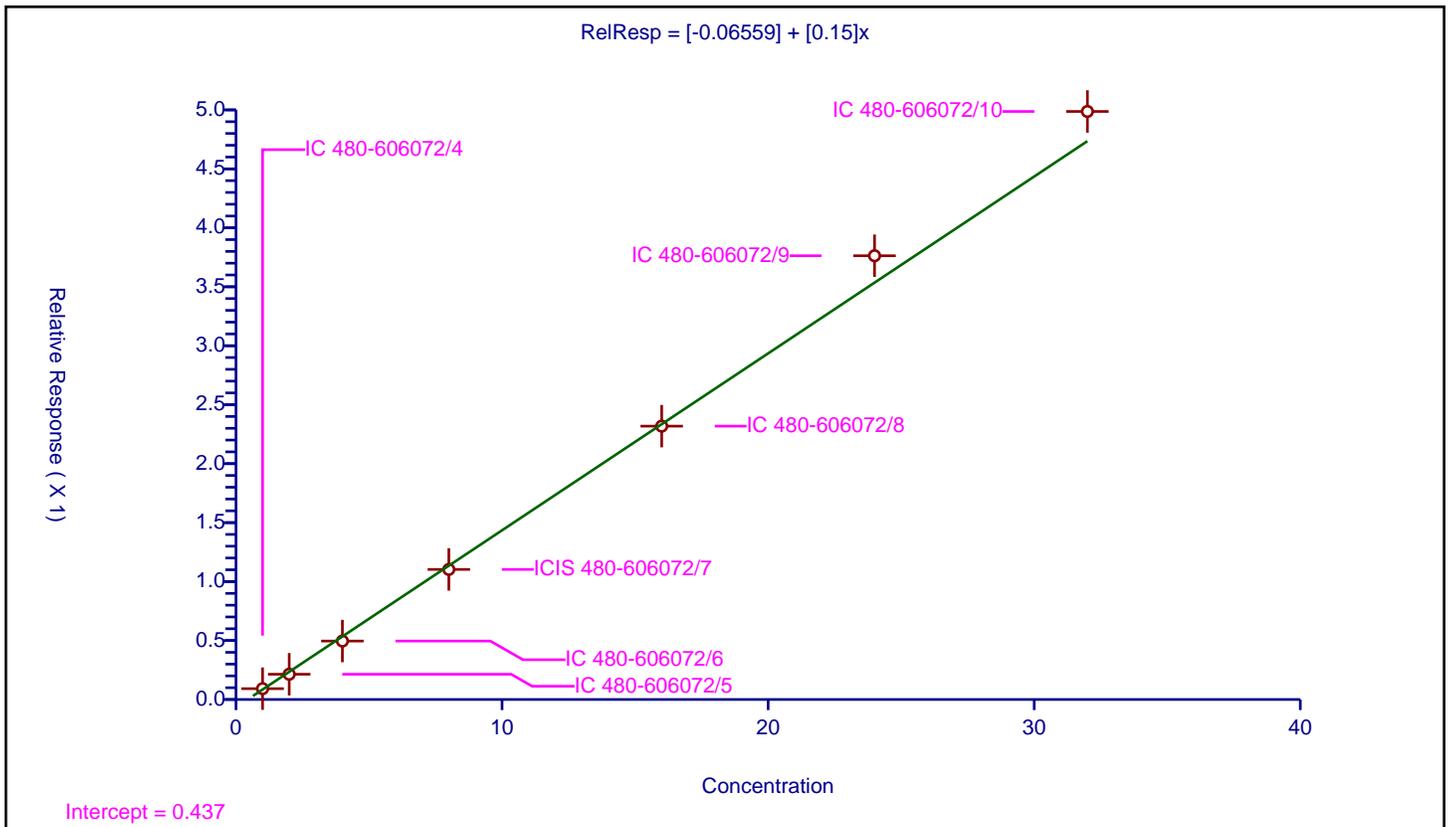
/ Pentachlorophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.06559
Slope:	0.15

Error Coefficients	
Standard Error:	712000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.091805	4.0	817689.0	0.091805	Y
2	IC 480-606072/5	2.0	0.214265	4.0	836068.0	0.107132	Y
3	IC 480-606072/6	4.0	0.495757	4.0	873178.0	0.123939	Y
4	ICIS 480-606072/7	8.0	1.103027	4.0	902110.0	0.137878	Y
5	IC 480-606072/8	16.0	2.318055	4.0	915528.0	0.144878	Y
6	IC 480-606072/9	24.0	3.763038	4.0	924097.0	0.156793	Y
7	IC 480-606072/10	32.0	4.986702	4.0	956398.0	0.155834	Y



Calibration

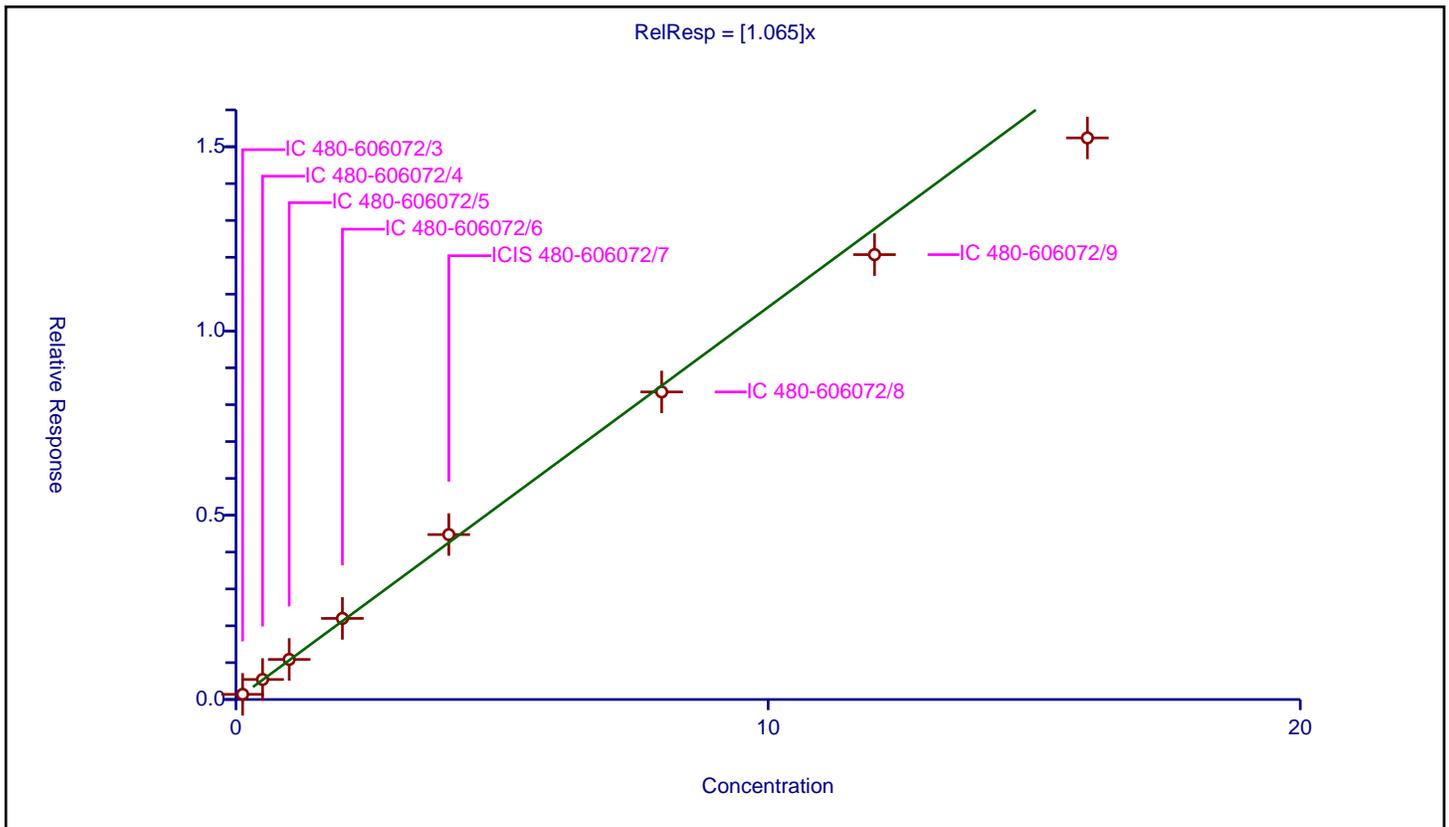
/ Phenanthrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.065

Error Coefficients	
Standard Error:	1930000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.140017	4.0	786103.0	1.120138	Y
2	IC 480-606072/4	0.5	0.543913	4.0	817689.0	1.087827	Y
3	IC 480-606072/5	1.0	1.087768	4.0	836068.0	1.087768	Y
4	IC 480-606072/6	2.0	2.200587	4.0	873178.0	1.100293	Y
5	ICIS 480-606072/7	4.0	4.474944	4.0	902110.0	1.118736	Y
6	IC 480-606072/8	8.0	8.346366	4.0	915528.0	1.043296	Y
7	IC 480-606072/9	12.0	12.073105	4.0	924097.0	1.006092	Y
8	IC 480-606072/10	16.0	15.239664	4.0	956398.0	0.952479	Y



Calibration

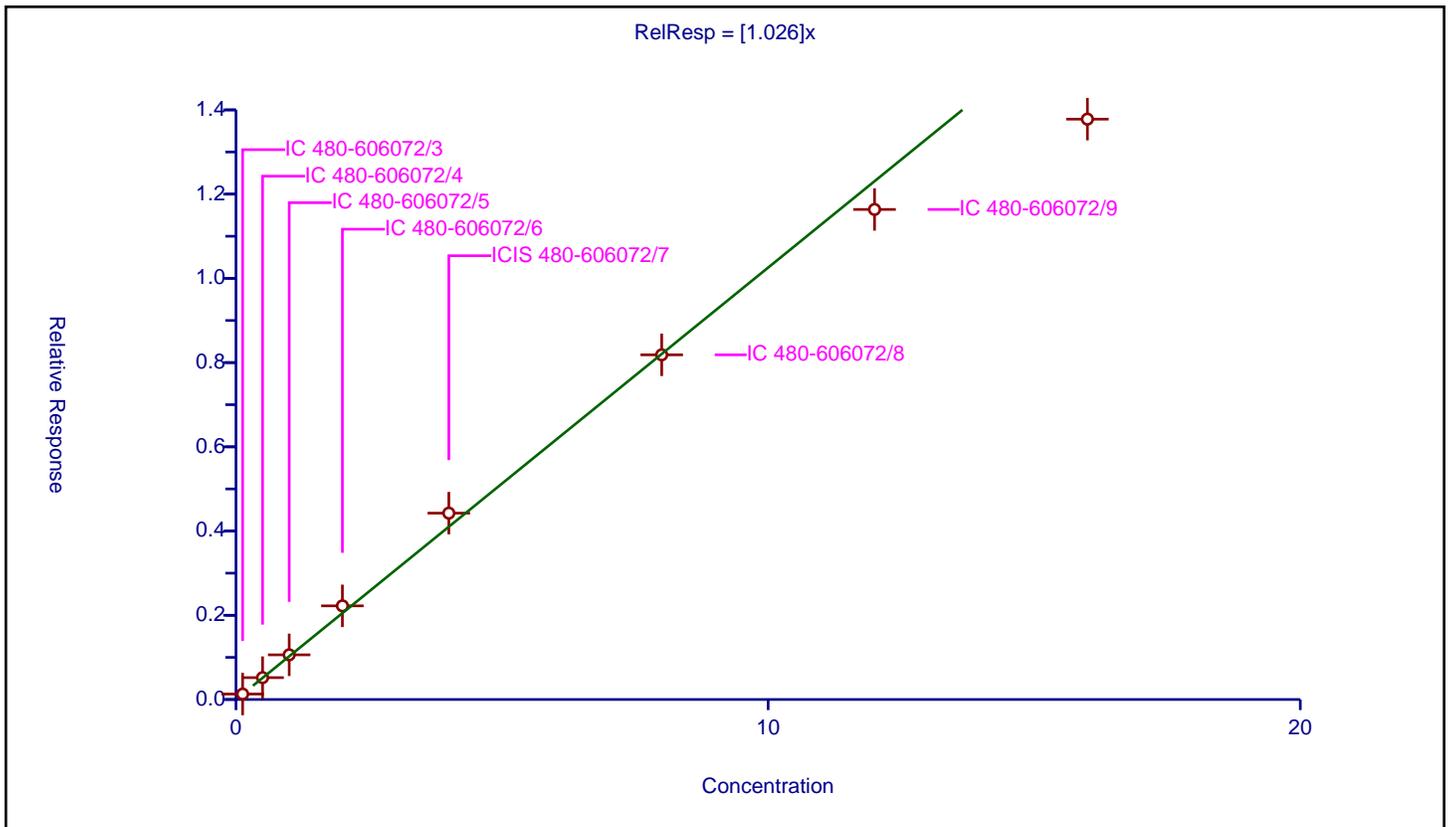
/ Anthracene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.026

Error Coefficients	
Standard Error:	1810000
Relative Standard Error:	7.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.12924	4.0	786103.0	1.03392	Y
2	IC 480-606072/4	0.5	0.518989	4.0	817689.0	1.037979	Y
3	IC 480-606072/5	1.0	1.060488	4.0	836068.0	1.060488	Y
4	IC 480-606072/6	2.0	2.223139	4.0	873178.0	1.111569	Y
5	ICIS 480-606072/7	4.0	4.42531	4.0	902110.0	1.106327	Y
6	IC 480-606072/8	8.0	8.183942	4.0	915528.0	1.022993	Y
7	IC 480-606072/9	12.0	11.635705	4.0	924097.0	0.969642	Y
8	IC 480-606072/10	16.0	13.780246	4.0	956398.0	0.861265	Y



Calibration

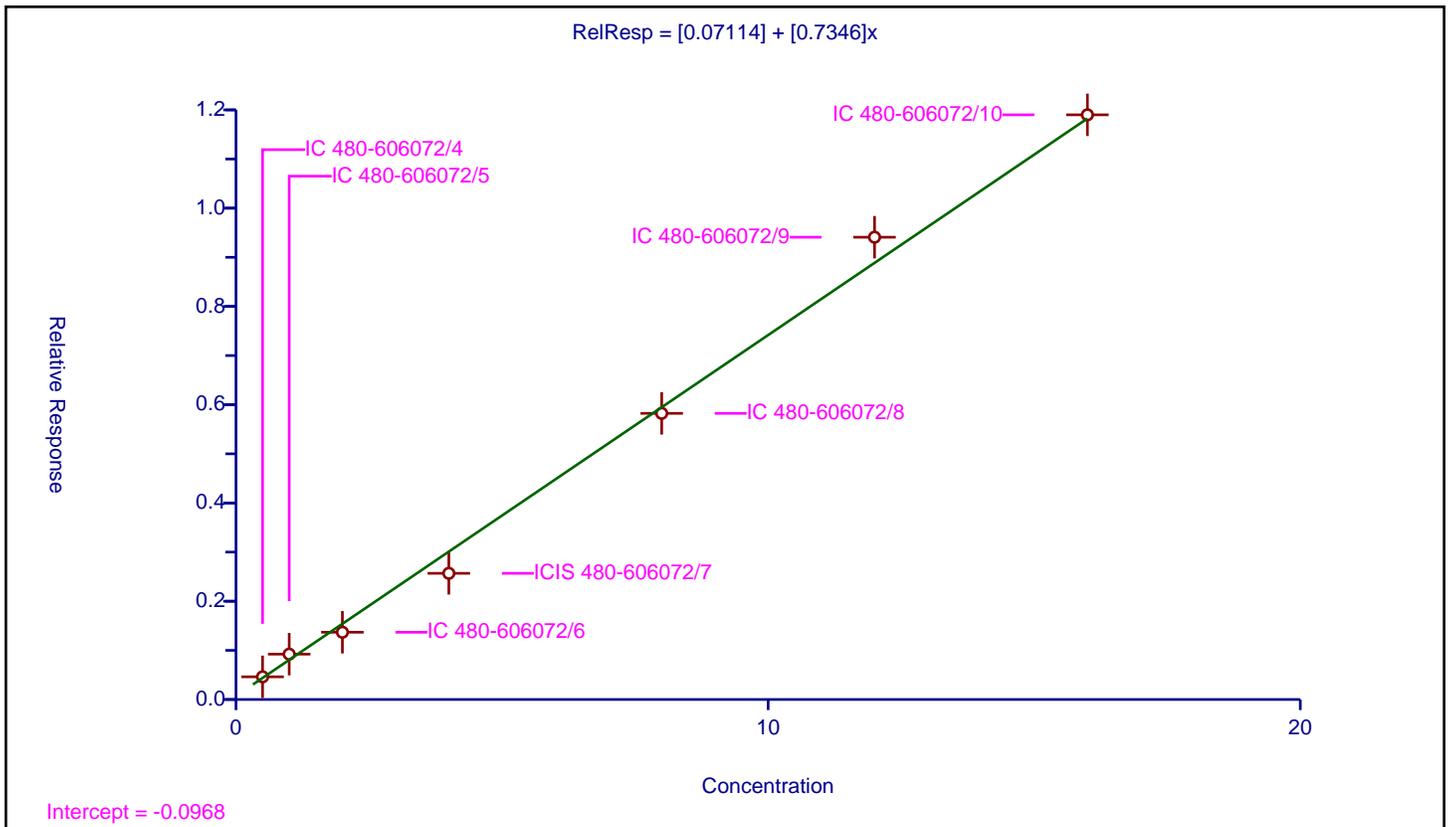
/ Carbazole

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.07114
Slope:	0.7346

Error Coefficients	
Standard Error:	1740000
Relative Standard Error:	11.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.461628	4.0	817689.0	0.923256	Y
2	IC 480-606072/5	1.0	0.923011	4.0	836068.0	0.923011	Y
3	IC 480-606072/6	2.0	1.368592	4.0	873178.0	0.684296	Y
4	ICIS 480-606072/7	4.0	2.5677	4.0	902110.0	0.641925	Y
5	IC 480-606072/8	8.0	5.82387	4.0	915528.0	0.727984	Y
6	IC 480-606072/9	12.0	9.408744	4.0	924097.0	0.784062	Y
7	IC 480-606072/10	16.0	11.899548	4.0	956398.0	0.743722	Y



Calibration

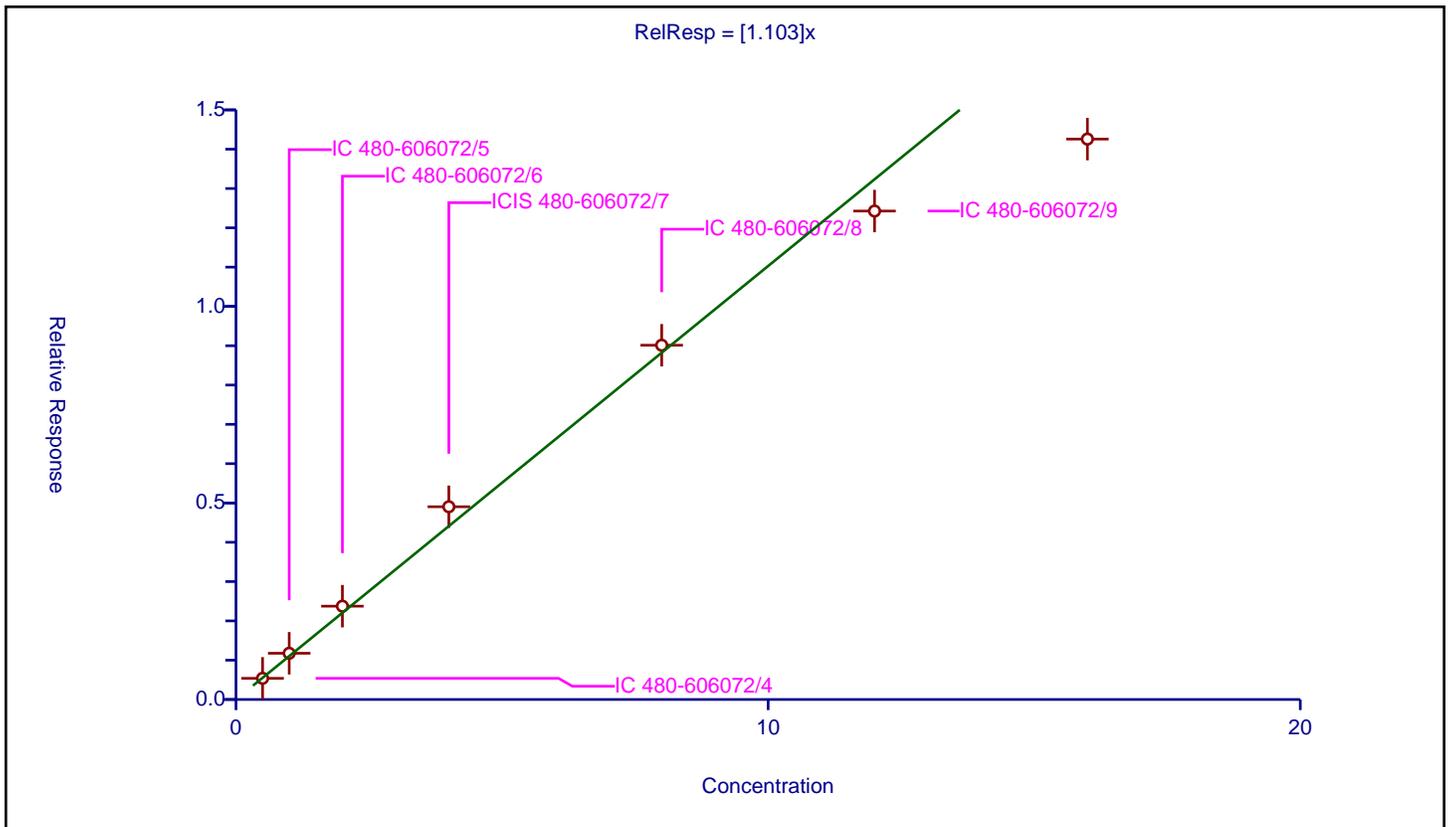
/ Di-n-butyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.103

Error Coefficients	
Standard Error:	2070000
Relative Standard Error:	10.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.538689	4.0	817689.0	1.077378	Y
2	IC 480-606072/5	1.0	1.175885	4.0	836068.0	1.175885	Y
3	IC 480-606072/6	2.0	2.374086	4.0	873178.0	1.187043	Y
4	ICIS 480-606072/7	4.0	4.903486	4.0	902110.0	1.225872	Y
5	IC 480-606072/8	8.0	9.012954	4.0	915528.0	1.126619	Y
6	IC 480-606072/9	12.0	12.426665	4.0	924097.0	1.035555	Y
7	IC 480-606072/10	16.0	14.257587	4.0	956398.0	0.891099	Y



Calibration

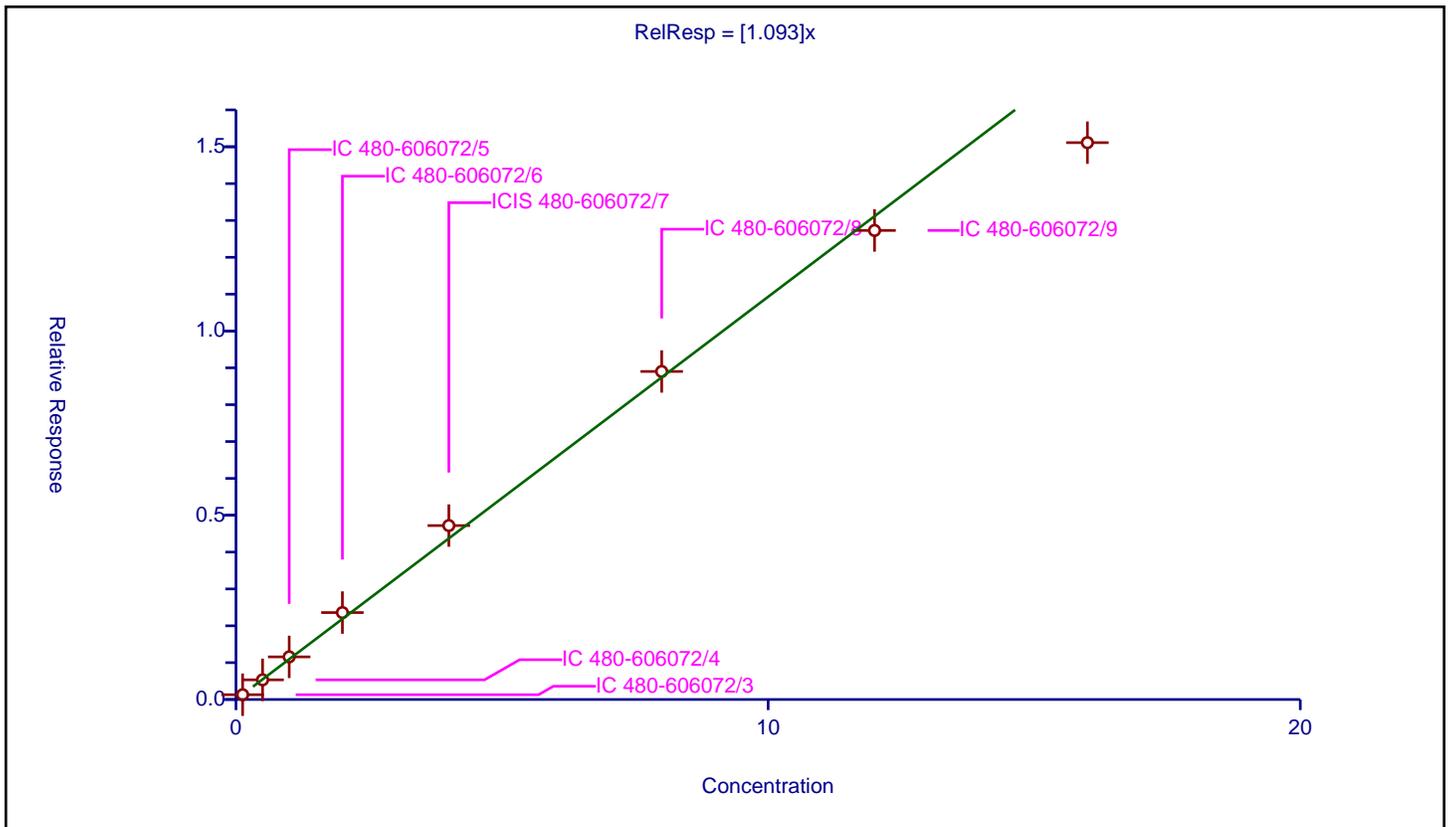
/ Fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.093

Error Coefficients	
Standard Error:	1980000
Relative Standard Error:	7.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.130181	4.0	786103.0	1.041451	Y
2	IC 480-606072/4	0.5	0.533748	4.0	817689.0	1.067496	Y
3	IC 480-606072/5	1.0	1.156518	4.0	836068.0	1.156518	Y
4	IC 480-606072/6	2.0	2.358713	4.0	873178.0	1.179356	Y
5	ICIS 480-606072/7	4.0	4.720103	4.0	902110.0	1.180026	Y
6	IC 480-606072/8	8.0	8.901958	4.0	915528.0	1.112745	Y
7	IC 480-606072/9	12.0	12.728101	4.0	924097.0	1.060675	Y
8	IC 480-606072/10	16.0	15.111679	4.0	956398.0	0.94448	Y



Calibration

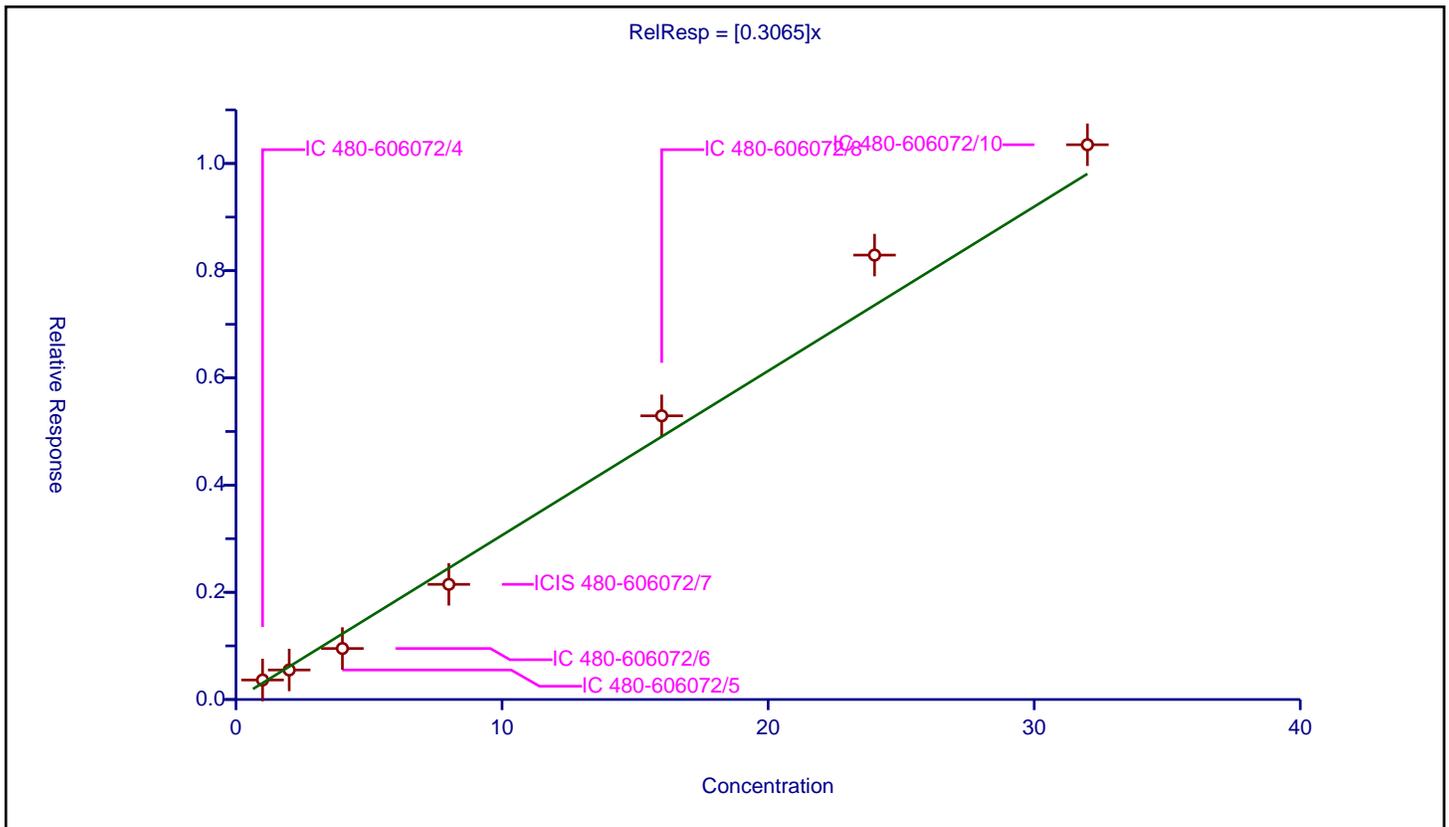
/ Benzidine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3065

Error Coefficients	
Standard Error:	1280000
Relative Standard Error:	15.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.363921	4.0	710748.0	0.363921	Y
2	IC 480-606072/5	2.0	0.550857	4.0	765091.0	0.275429	Y
3	IC 480-606072/6	4.0	0.951479	4.0	784745.0	0.23787	Y
4	ICIS 480-606072/7	8.0	2.1483	4.0	815642.0	0.268538	Y
5	IC 480-606072/8	16.0	5.292233	4.0	811185.0	0.330765	Y
6	IC 480-606072/9	24.0	8.291274	4.0	837082.0	0.34547	Y
7	IC 480-606072/10	32.0	10.350148	4.0	900369.0	0.323442	Y



Calibration

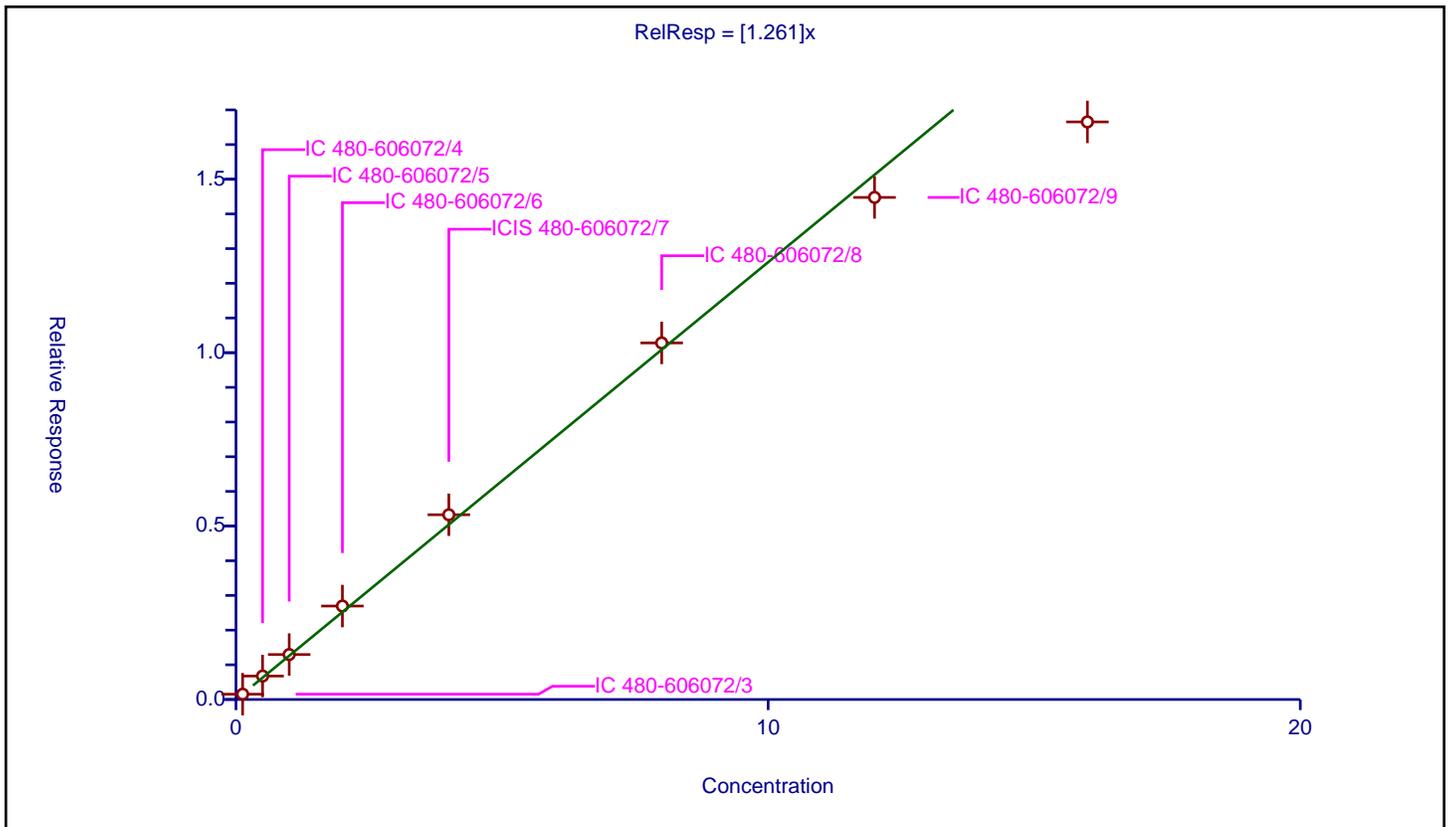
/ Pyrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.261

Error Coefficients	
Standard Error:	2040000
Relative Standard Error:	8.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.153418	4.0	687273.0	1.227343	Y
2	IC 480-606072/4	0.5	0.675925	4.0	710748.0	1.351849	Y
3	IC 480-606072/5	1.0	1.29628	4.0	765091.0	1.29628	Y
4	IC 480-606072/6	2.0	2.694292	4.0	784745.0	1.347146	Y
5	ICIS 480-606072/7	4.0	5.326356	4.0	815642.0	1.331589	Y
6	IC 480-606072/8	8.0	10.281068	4.0	811185.0	1.285133	Y
7	IC 480-606072/9	12.0	14.476044	4.0	837082.0	1.206337	Y
8	IC 480-606072/10	16.0	16.653319	4.0	900369.0	1.040832	Y



Calibration

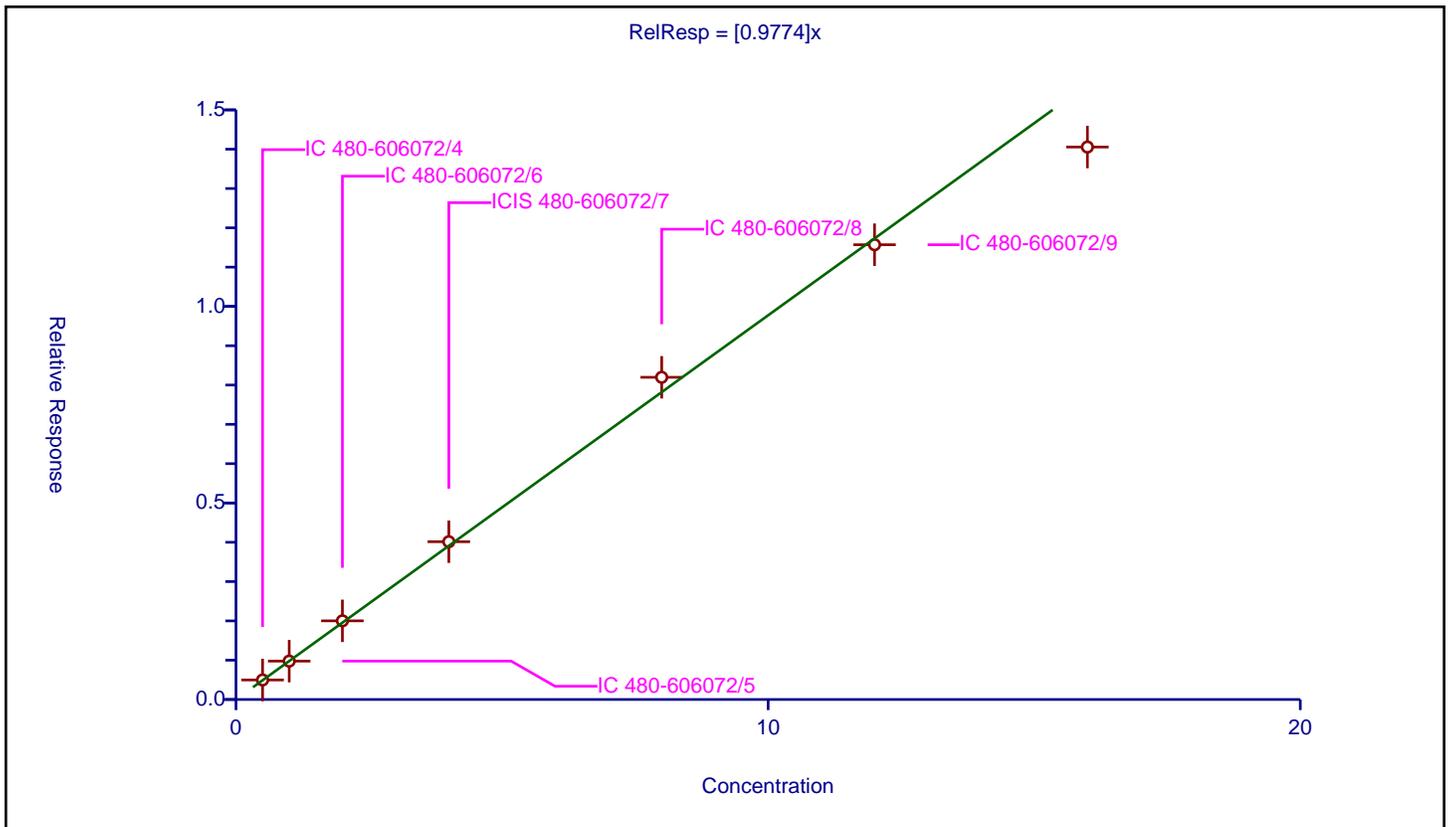
/ p-Terphenyl-d14

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9774

Error Coefficients	
Standard Error:	1800000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.497054	4.0	710748.0	0.994108	Y
2	IC 480-606072/5	1.0	0.97659	4.0	765091.0	0.97659	Y
3	IC 480-606072/6	2.0	2.001348	4.0	784745.0	1.000674	Y
4	ICIS 480-606072/7	4.0	4.013736	4.0	815642.0	1.003434	Y
5	IC 480-606072/8	8.0	8.19667	4.0	811185.0	1.024584	Y
6	IC 480-606072/9	12.0	11.569806	4.0	837082.0	0.96415	Y
7	IC 480-606072/10	16.0	14.054864	4.0	900369.0	0.878429	Y



Calibration

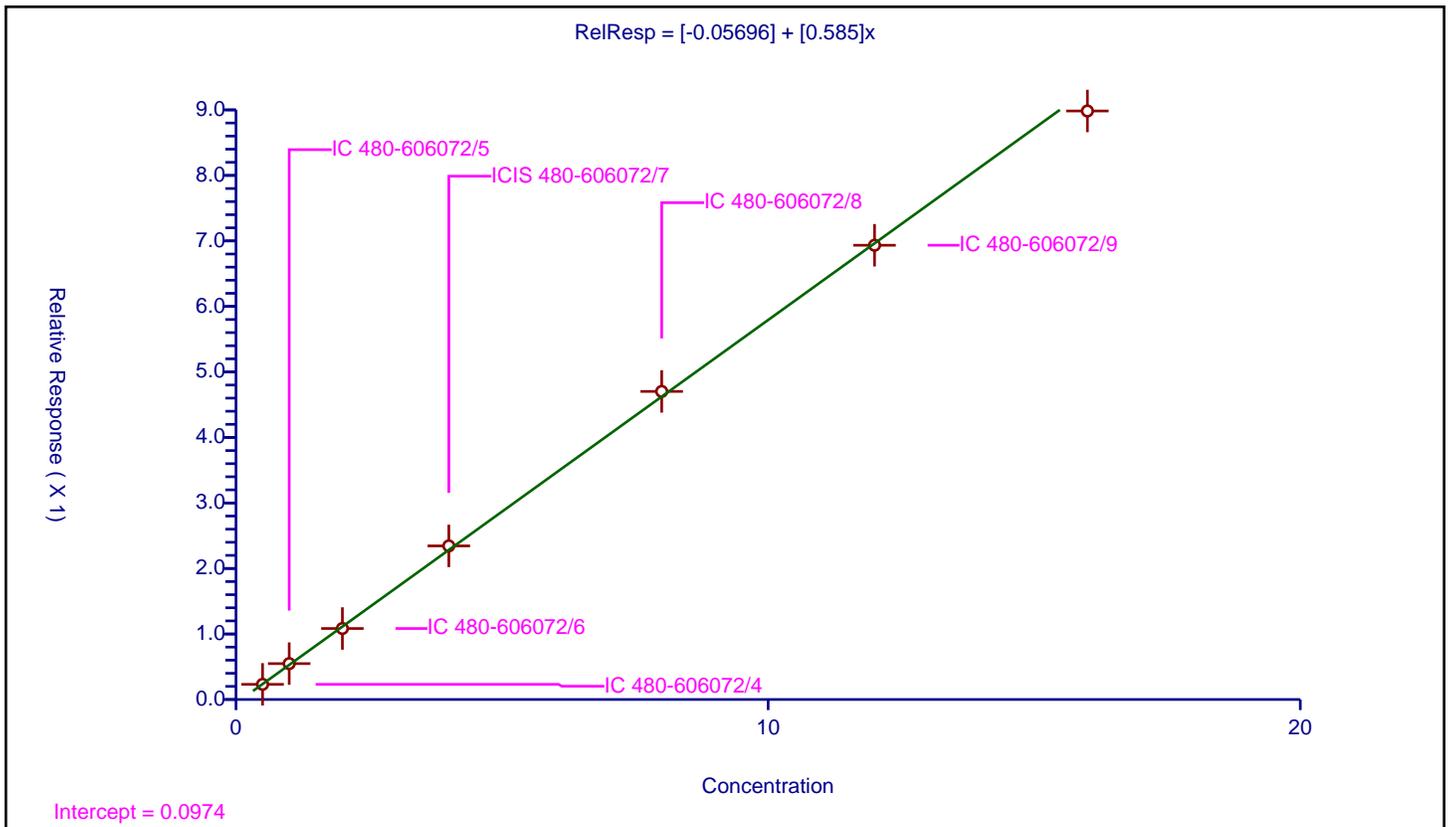
/ Butyl benzyl phthalate

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.05696
Slope:	0.585

Error Coefficients	
Standard Error:	1220000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.231486	4.0	710748.0	0.462971	Y
2	IC 480-606072/5	1.0	0.547982	4.0	765091.0	0.547982	Y
3	IC 480-606072/6	2.0	1.083679	4.0	784745.0	0.54184	Y
4	ICIS 480-606072/7	4.0	2.344367	4.0	815642.0	0.586092	Y
5	IC 480-606072/8	8.0	4.702602	4.0	811185.0	0.587825	Y
6	IC 480-606072/9	12.0	6.933624	4.0	837082.0	0.577802	Y
7	IC 480-606072/10	16.0	8.983392	4.0	900369.0	0.561462	Y



Calibration

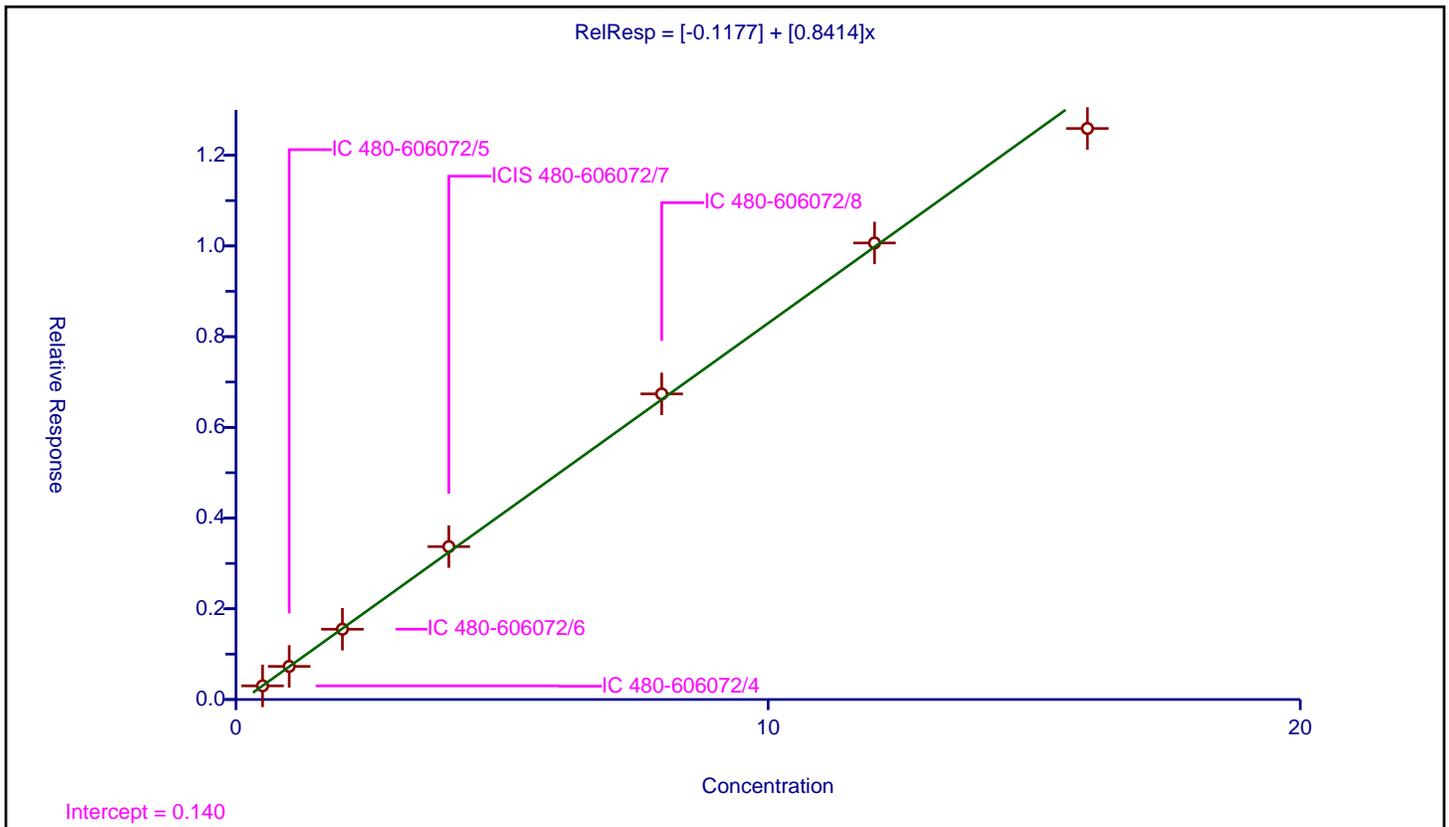
/ Bis(2-ethylhexyl) phthalate

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.1177
Slope:	0.8414

Error Coefficients	
Standard Error:	1730000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.300568	4.0	710748.0	0.601136	Y
2	IC 480-606072/5	1.0	0.730062	4.0	765091.0	0.730062	Y
3	IC 480-606072/6	2.0	1.549558	4.0	784745.0	0.774779	Y
4	ICIS 480-606072/7	4.0	3.37092	4.0	815642.0	0.84273	Y
5	IC 480-606072/8	8.0	6.738266	4.0	811185.0	0.842283	Y
6	IC 480-606072/9	12.0	10.065967	4.0	837082.0	0.838831	Y
7	IC 480-606072/10	16.0	12.590083	4.0	900369.0	0.78688	Y



Calibration

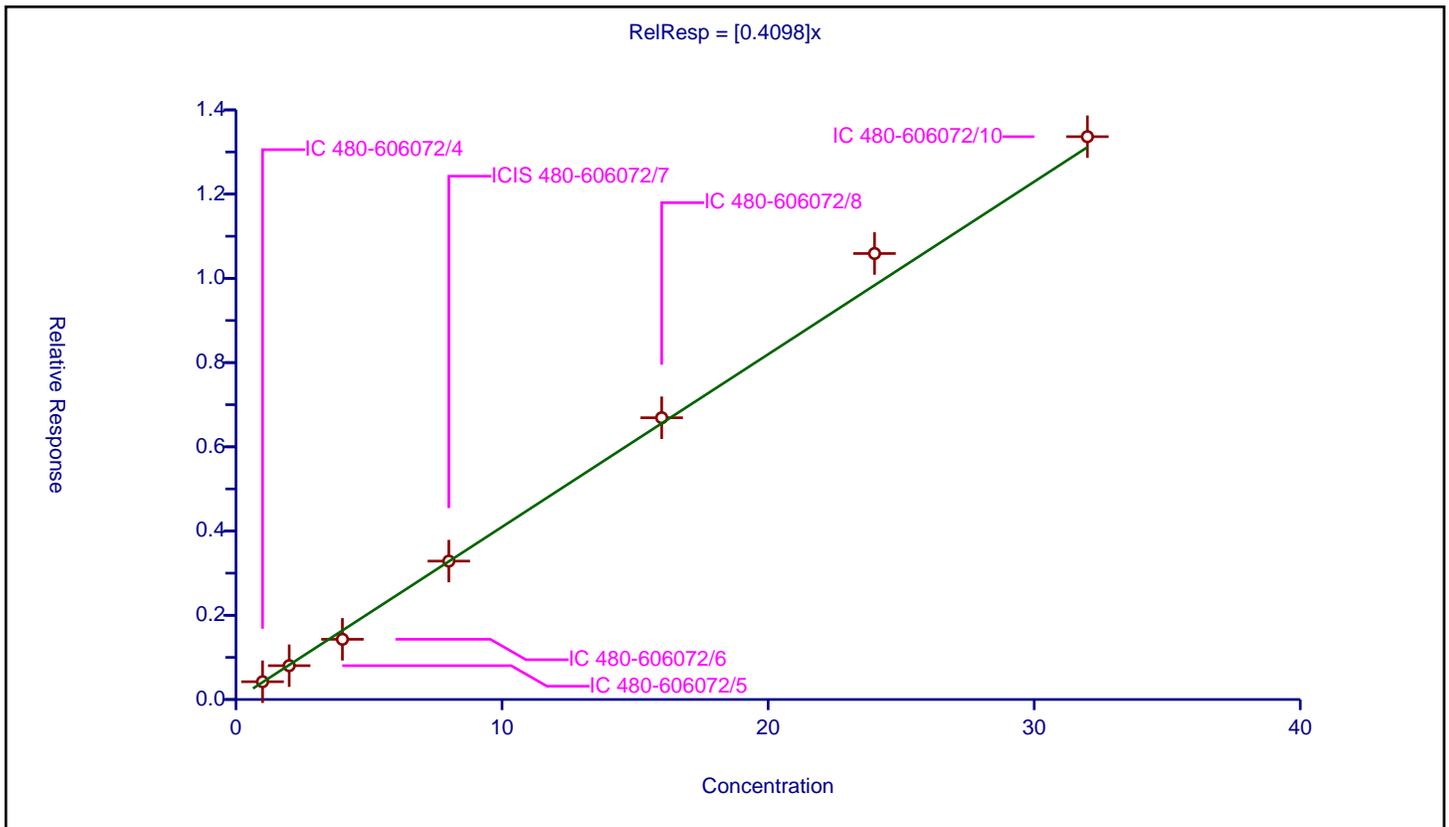
/ 3,3'-Dichlorobenzidine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4098

Error Coefficients	
Standard Error:	1650000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	1.0	0.422046	4.0	710748.0	0.422046	Y
2	IC 480-606072/5	2.0	0.80311	4.0	765091.0	0.401555	Y
3	IC 480-606072/6	4.0	1.429534	4.0	784745.0	0.357384	Y
4	ICIS 480-606072/7	8.0	3.286452	4.0	815642.0	0.410806	Y
5	IC 480-606072/8	16.0	6.689645	4.0	811185.0	0.418103	Y
6	IC 480-606072/9	24.0	10.590193	4.0	837082.0	0.441258	Y
7	IC 480-606072/10	32.0	13.363921	4.0	900369.0	0.417623	Y



Calibration

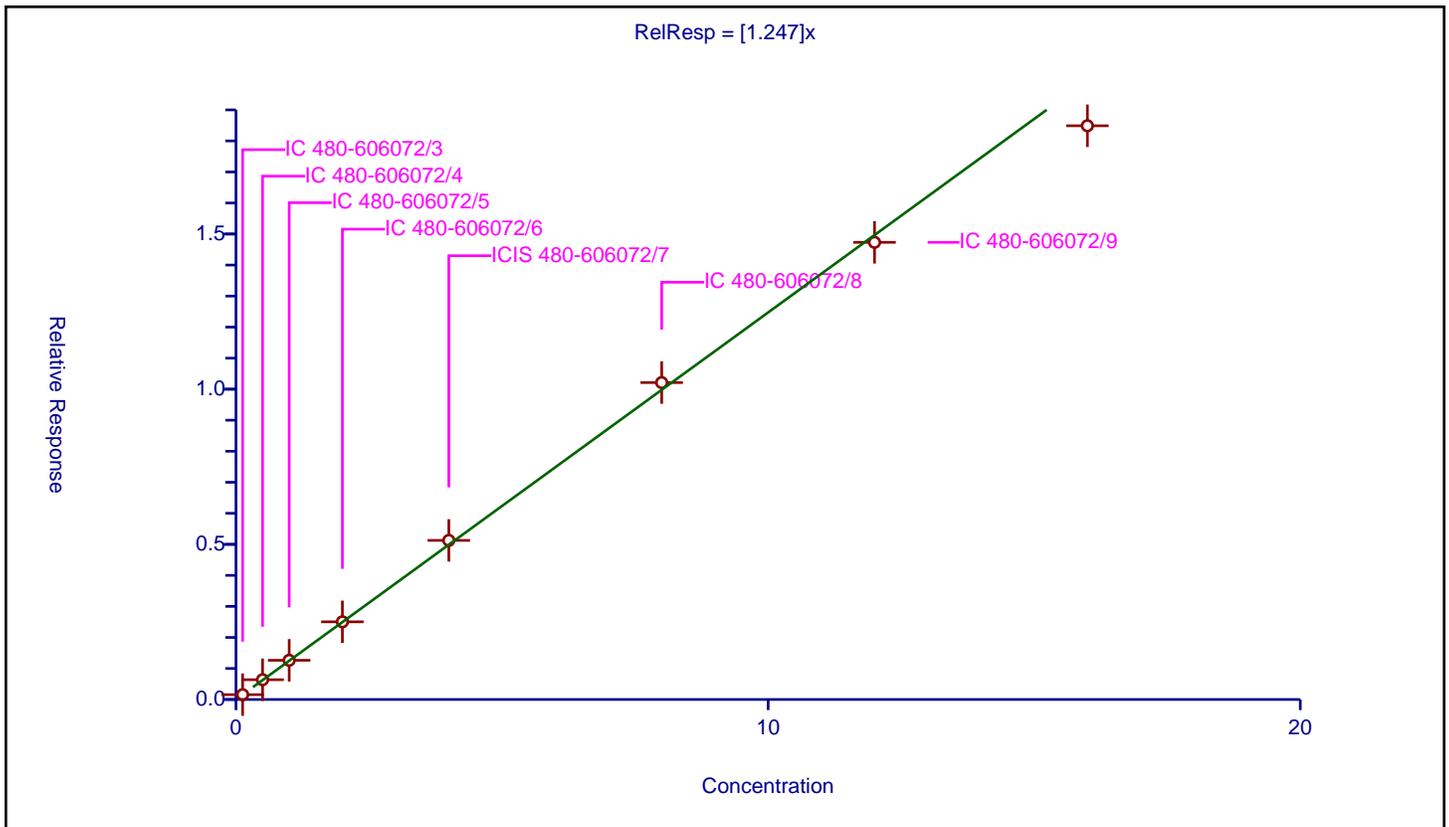
/ Benzo[a]anthracene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.247

Error Coefficients	
Standard Error:	2160000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.155915	4.0	687273.0	1.247318	Y
2	IC 480-606072/4	0.5	0.636929	4.0	710748.0	1.273858	Y
3	IC 480-606072/5	1.0	1.263374	4.0	765091.0	1.263374	Y
4	IC 480-606072/6	2.0	2.503504	4.0	784745.0	1.251752	Y
5	ICIS 480-606072/7	4.0	5.126985	4.0	815642.0	1.281746	Y
6	IC 480-606072/8	8.0	10.212699	4.0	811185.0	1.276587	Y
7	IC 480-606072/9	12.0	14.731632	4.0	837082.0	1.227636	Y
8	IC 480-606072/10	16.0	18.48826	4.0	900369.0	1.155516	Y



Calibration

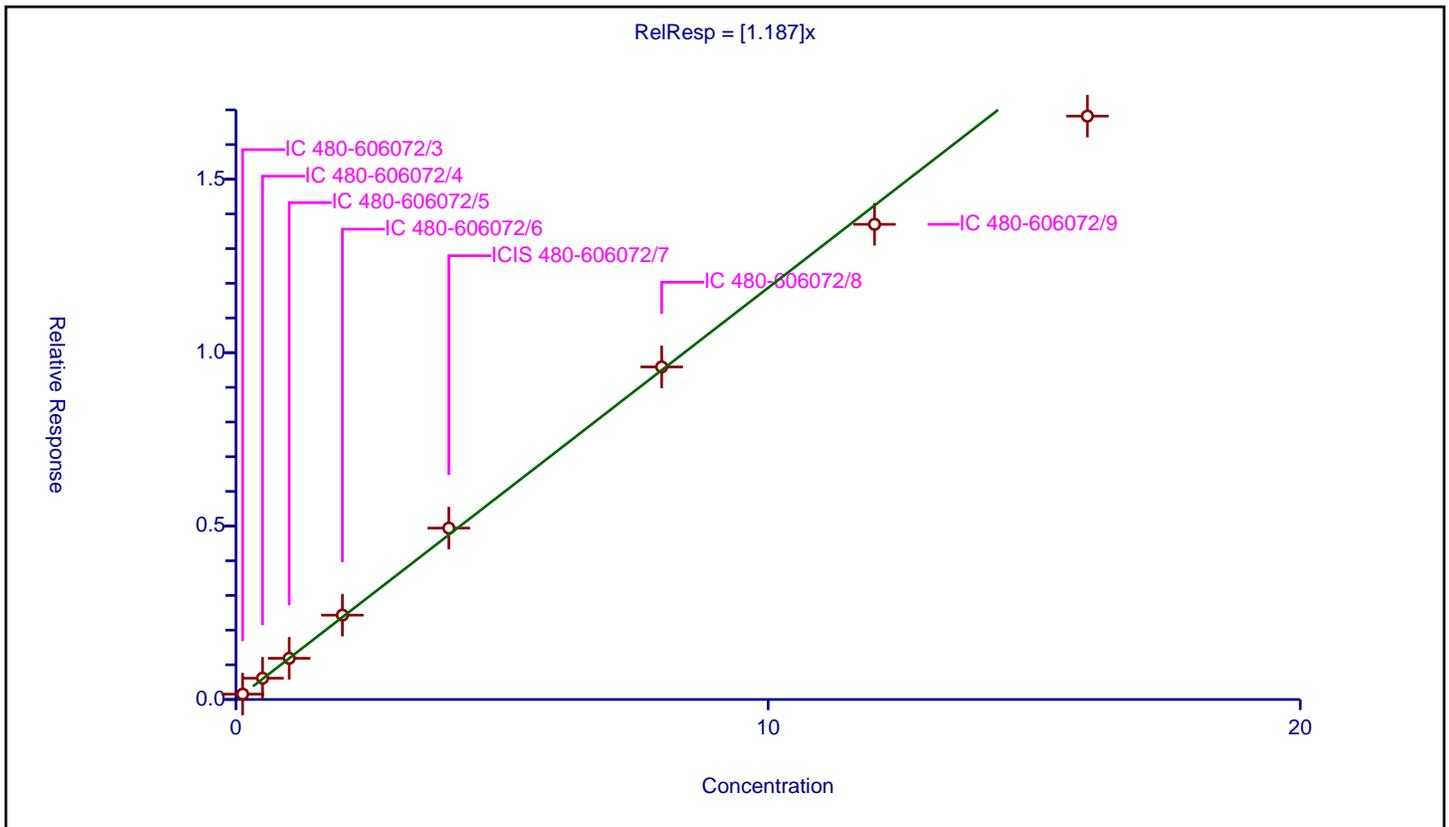
/ Chrysene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.187

Error Coefficients	
Standard Error:	1990000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.1545	4.0	687273.0	1.236004	Y
2	IC 480-606072/4	0.5	0.614344	4.0	710748.0	1.228689	Y
3	IC 480-606072/5	1.0	1.188669	4.0	765091.0	1.188669	Y
4	IC 480-606072/6	2.0	2.431995	4.0	784745.0	1.215998	Y
5	ICIS 480-606072/7	4.0	4.942085	4.0	815642.0	1.235521	Y
6	IC 480-606072/8	8.0	9.58891	4.0	811185.0	1.198614	Y
7	IC 480-606072/9	12.0	13.700412	4.0	837082.0	1.141701	Y
8	IC 480-606072/10	16.0	16.82137	4.0	900369.0	1.051336	Y



Calibration

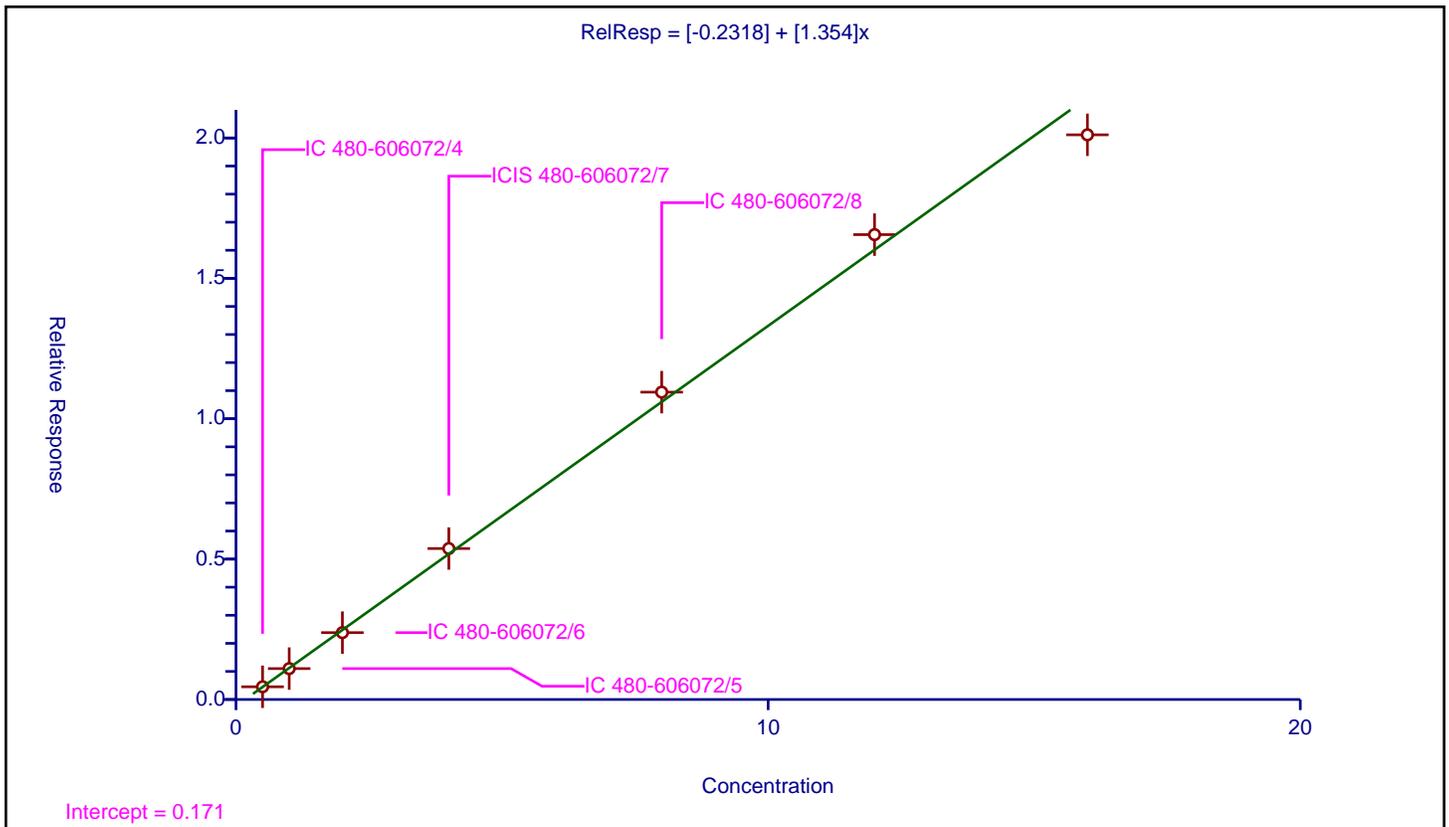
/ Di-n-octyl phthalate

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.2318
Slope:	1.354

Error Coefficients	
Standard Error:	2790000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/4	0.5	0.452368	4.0	710748.0	0.904737	Y
2	IC 480-606072/5	1.0	1.101077	4.0	765091.0	1.101077	Y
3	IC 480-606072/6	2.0	2.381156	4.0	784745.0	1.190578	Y
4	ICIS 480-606072/7	4.0	5.376472	4.0	815642.0	1.344118	Y
5	IC 480-606072/8	8.0	10.947175	4.0	811185.0	1.368397	Y
6	IC 480-606072/9	12.0	16.557202	4.0	837082.0	1.379767	Y
7	IC 480-606072/10	16.0	20.112469	4.0	900369.0	1.257029	Y



Calibration

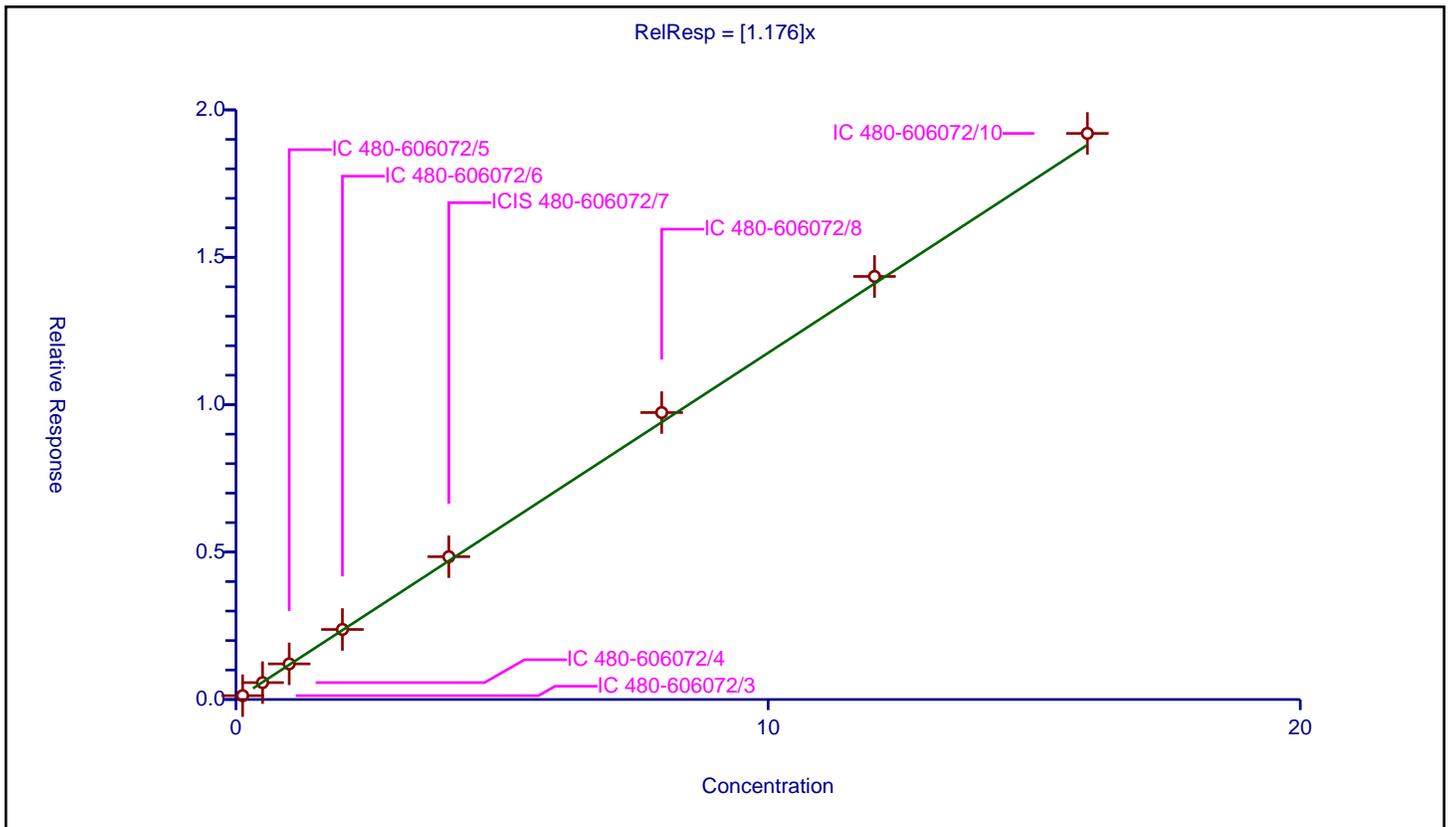
/ Benzo[b]fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.176

Error Coefficients	
Standard Error:	2180000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.130132	4.0	692959.0	1.041054	Y
2	IC 480-606072/4	0.5	0.5726	4.0	702557.0	1.1452	Y
3	IC 480-606072/5	1.0	1.208686	4.0	744501.0	1.208686	Y
4	IC 480-606072/6	2.0	2.375895	4.0	778504.0	1.187948	Y
5	ICIS 480-606072/7	4.0	4.843398	4.0	807794.0	1.21085	Y
6	IC 480-606072/8	8.0	9.73286	4.0	813342.0	1.216608	Y
7	IC 480-606072/9	12.0	14.351125	4.0	858476.0	1.195927	Y
8	IC 480-606072/10	16.0	19.202321	4.0	895668.0	1.200145	Y



Calibration

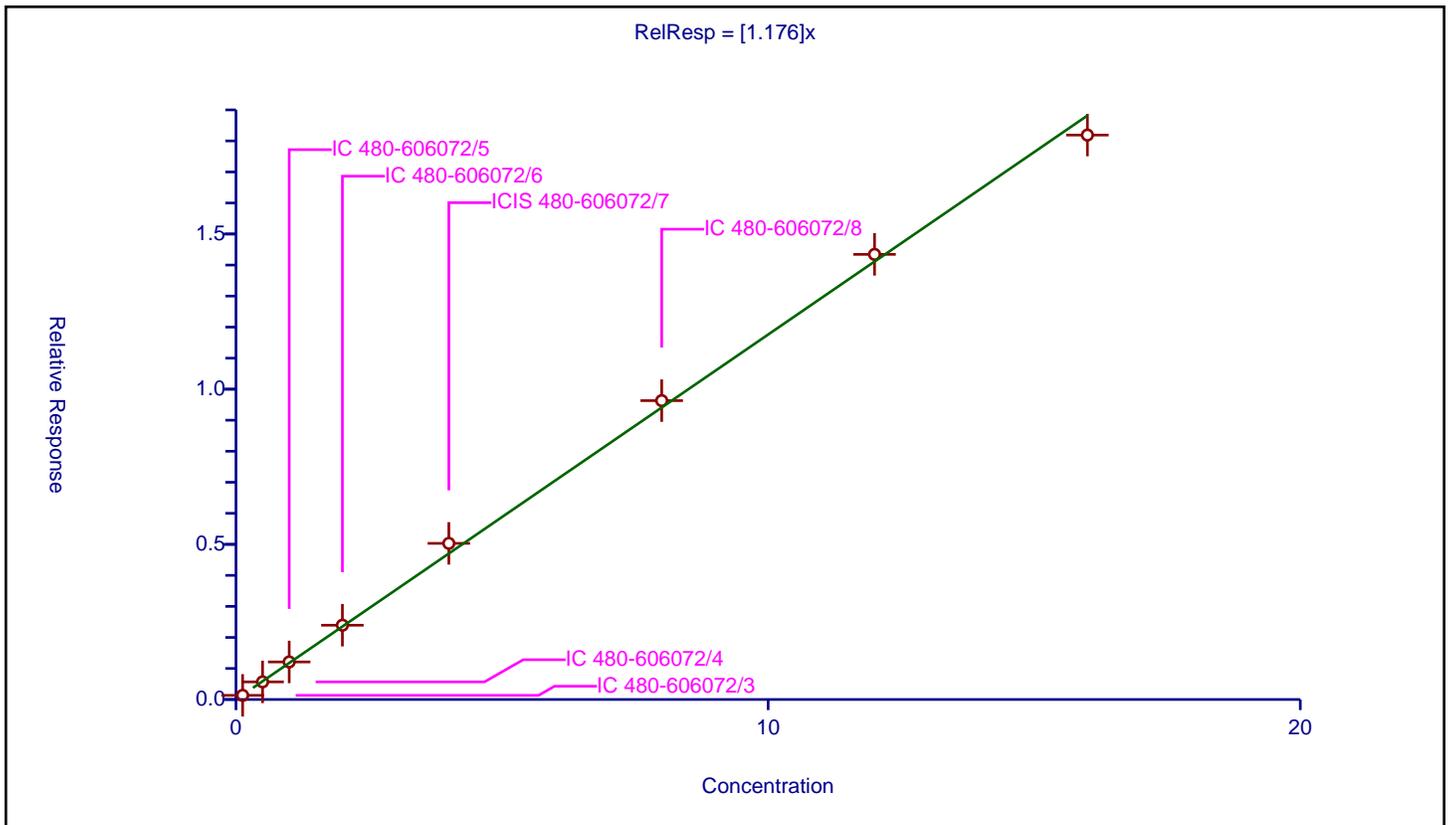
/ Benzo[k]fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.176

Error Coefficients	
Standard Error:	2110000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.133855	4.0	692959.0	1.07084	Y
2	IC 480-606072/4	0.5	0.568085	4.0	702557.0	1.13617	Y
3	IC 480-606072/5	1.0	1.210577	4.0	744501.0	1.210577	Y
4	IC 480-606072/6	2.0	2.394084	4.0	778504.0	1.197042	Y
5	ICIS 480-606072/7	4.0	5.031189	4.0	807794.0	1.257797	Y
6	IC 480-606072/8	8.0	9.631019	4.0	813342.0	1.203877	Y
7	IC 480-606072/9	12.0	14.344047	4.0	858476.0	1.195337	Y
8	IC 480-606072/10	16.0	18.189008	4.0	895668.0	1.136813	Y



Calibration

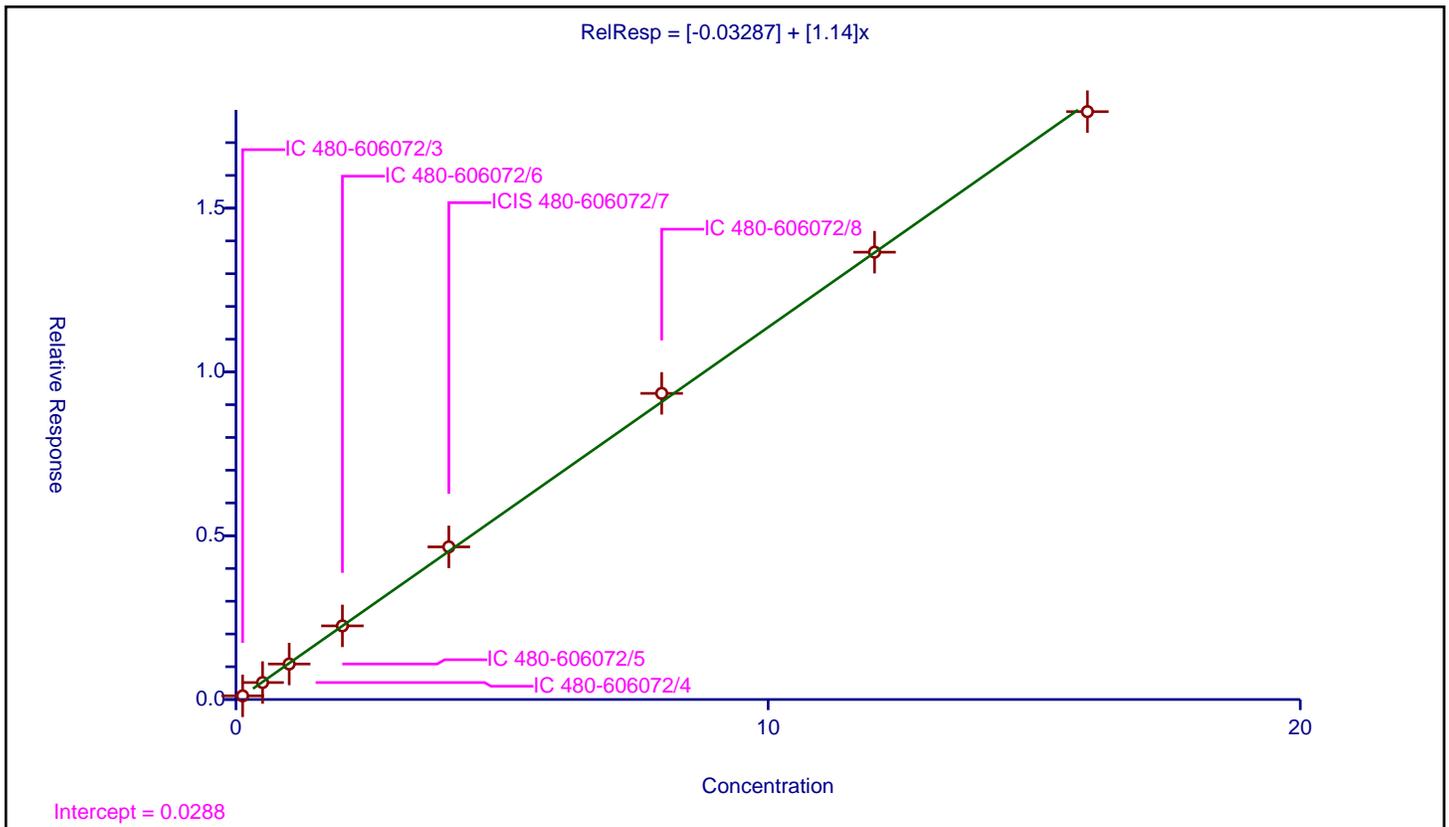
/ Benzo[a]pyrene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.03287
Slope:	1.14

Error Coefficients	
Standard Error:	2220000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.111002	4.0	692959.0	0.888018	Y
2	IC 480-606072/4	0.5	0.51751	4.0	702557.0	1.035019	Y
3	IC 480-606072/5	1.0	1.083179	4.0	744501.0	1.083179	Y
4	IC 480-606072/6	2.0	2.24711	4.0	778504.0	1.123555	Y
5	ICIS 480-606072/7	4.0	4.659054	4.0	807794.0	1.164764	Y
6	IC 480-606072/8	8.0	9.346155	4.0	813342.0	1.168269	Y
7	IC 480-606072/9	12.0	13.656699	4.0	858476.0	1.138058	Y
8	IC 480-606072/10	16.0	17.946954	4.0	895668.0	1.121685	Y



Calibration

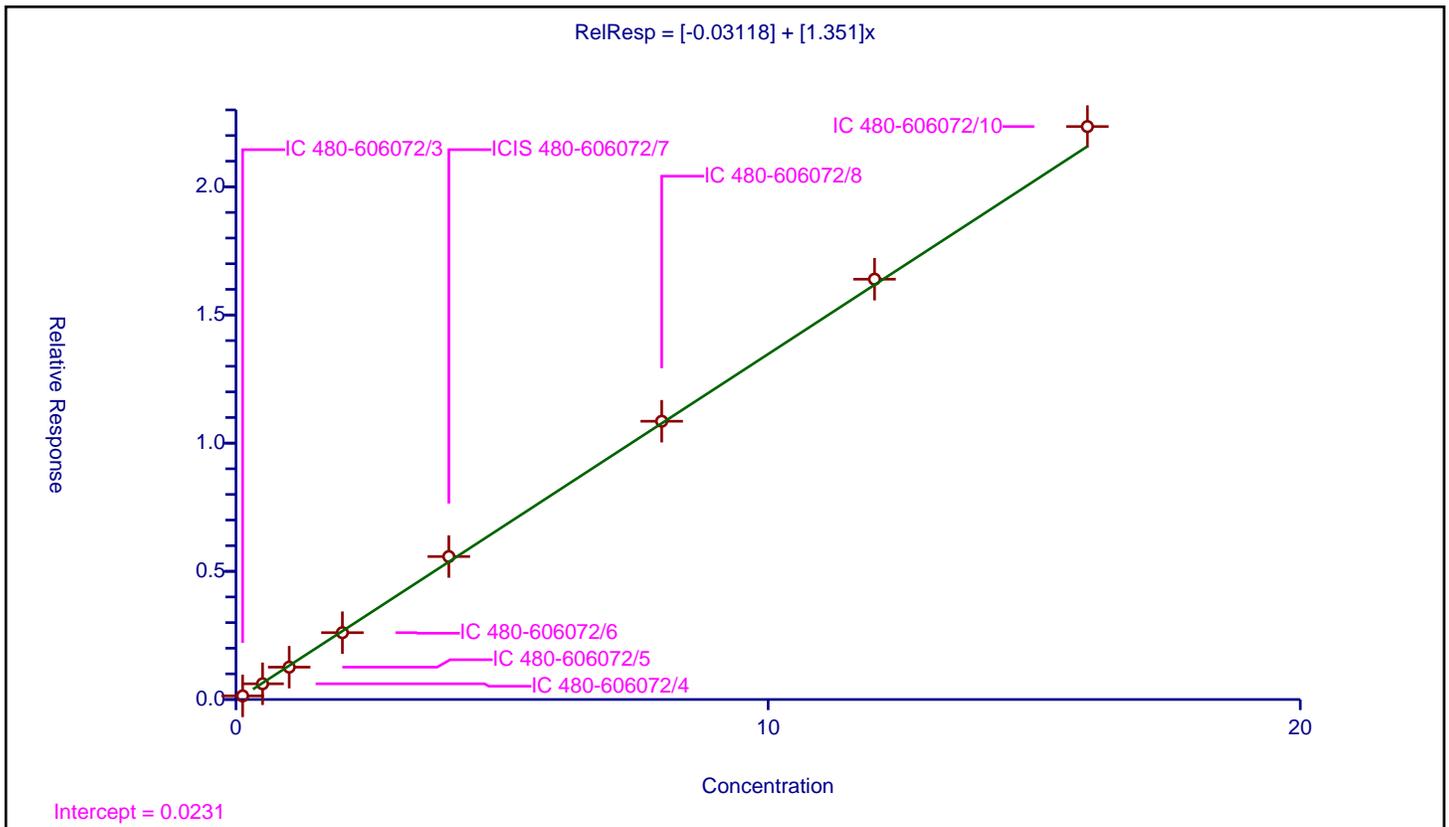
/ Indeno[1,2,3-cd]pyrene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.03118
Slope:	1.351

Error Coefficients	
Standard Error:	2700000
Relative Standard Error:	3.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.140412	4.0	692959.0	1.123299	Y
2	IC 480-606072/4	0.5	0.613257	4.0	702557.0	1.226514	Y
3	IC 480-606072/5	1.0	1.261817	4.0	744501.0	1.261817	Y
4	IC 480-606072/6	2.0	2.607411	4.0	778504.0	1.303706	Y
5	ICIS 480-606072/7	4.0	5.576466	4.0	807794.0	1.394117	Y
6	IC 480-606072/8	8.0	10.854371	4.0	813342.0	1.356796	Y
7	IC 480-606072/9	12.0	16.39572	4.0	858476.0	1.36631	Y
8	IC 480-606072/10	16.0	22.350353	4.0	895668.0	1.396897	Y



Calibration

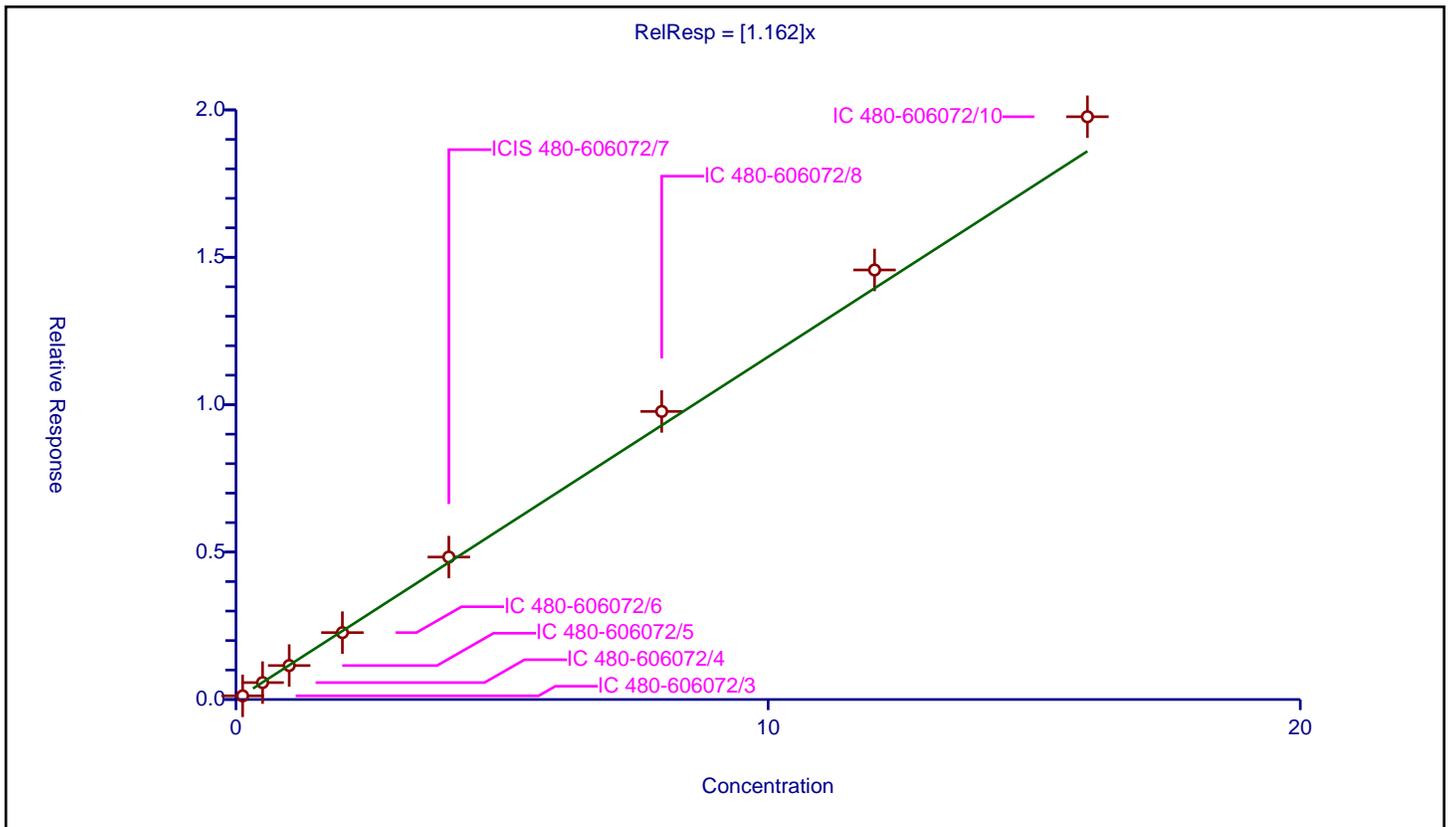
/ Dibenz(a,h)anthracene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.162

Error Coefficients	
Standard Error:	2220000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.123309	4.0	692959.0	0.986471	Y
2	IC 480-606072/4	0.5	0.573693	4.0	702557.0	1.147386	Y
3	IC 480-606072/5	1.0	1.152106	4.0	744501.0	1.152106	Y
4	IC 480-606072/6	2.0	2.268428	4.0	778504.0	1.134214	Y
5	ICIS 480-606072/7	4.0	4.831979	4.0	807794.0	1.207995	Y
6	IC 480-606072/8	8.0	9.771093	4.0	813342.0	1.221387	Y
7	IC 480-606072/9	12.0	14.570145	4.0	858476.0	1.214179	Y
8	IC 480-606072/10	16.0	19.767905	4.0	895668.0	1.235494	Y



Calibration

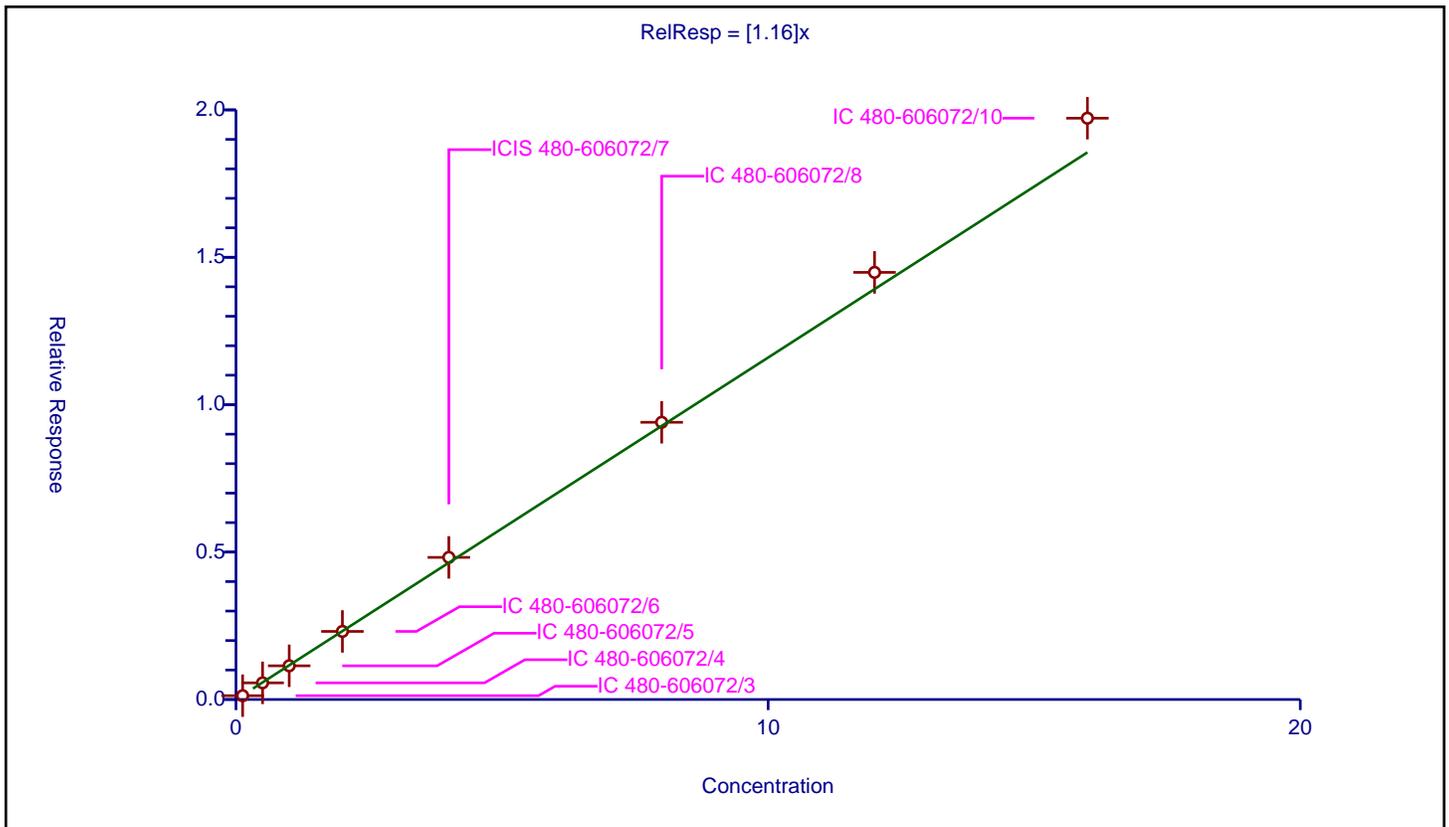
/ Benzo[g,h,i]perylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.16

Error Coefficients	
Standard Error:	2200000
Relative Standard Error:	5.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-606072/3	0.125	0.128972	4.0	692959.0	1.031772	Y
2	IC 480-606072/4	0.5	0.564777	4.0	702557.0	1.129554	Y
3	IC 480-606072/5	1.0	1.14301	4.0	744501.0	1.14301	Y
4	IC 480-606072/6	2.0	2.309553	4.0	778504.0	1.154776	Y
5	ICIS 480-606072/7	4.0	4.82014	4.0	807794.0	1.205035	Y
6	IC 480-606072/8	8.0	9.403051	4.0	813342.0	1.175381	Y
7	IC 480-606072/9	12.0	14.488023	4.0	858476.0	1.207335	Y
8	IC 480-606072/10	16.0	19.718105	4.0	895668.0	1.232382	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604656/3	Y02826636.D
Level 2	IC 480-604656/4	Y02826637.D
Level 3	IC 480-604656/5	Y02826638.D
Level 4	IC 480-604656/6	Y02826639.D
Level 5	ICIS 480-604656/7	Y02826640.D
Level 6	IC 480-604656/8	Y02826641.D
Level 7	IC 480-604656/9	Y02826642.D
Level 8	IC 480-604656/10	Y02826643.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,4-Dioxane	0.3740	0.3511 0.3747	0.3648 0.3547	0.3837	0.3729	Ave	0.368 0			0.0100	3.2		20.0				
N-Nitrosodimethylamine	0.4382	0.4371 0.4408	0.4315 0.4378	0.4324	0.4529	Ave	0.438 7			0.0100	1.6		20.0				
Pyridine	0.4708	0.4412 0.4859	0.4603 0.4767	0.4877	0.4824	Ave	0.472 2			0.0100	3.5		20.0				
Benzaldehyde	0.7179	0.7558 0.6731	0.7211 0.6372	0.7794	0.6963	Lin2	0.080 0	0.688 5		0.0100	6.2		0.9950		0.9900		
Phenol	1.2629	1.2580 1.2824	1.2179 1.2437	1.2956	1.2825	Ave	1.263 3			0.8000	2.1		20.0				
Aniline	1.4806	1.4689 1.6281	1.5090 1.6071	1.5705	1.5486	Ave	1.544 7			0.0100	4.0		20.0				
Bis(2-chloroethyl) ether	0.9617	0.9541 0.7863	0.9151 0.7841	0.9191	0.9360	Ave	0.893 8			0.7000	8.5		20.0				
2-Chlorophenol	1.2723	1.1862 1.2443	1.1820 1.2196	1.2638	1.2343	Ave	1.228 9			0.8000	2.9		20.0				
n-Decane	0.8071	0.8734 0.8213	0.8056 0.8109	0.8327	0.8392	Ave	0.827 2			0.0100	2.9		20.0				
1,3-Dichlorobenzene	1.4816	1.4600 1.4862	1.5043 1.4417	1.5294	1.4574	Ave	1.480 1			0.0100	2.0		20.0				
1,4-Dichlorobenzene	1.4996	1.4785 1.4804	1.5194 1.4862	1.5089	1.5077	Ave	1.497 2			0.0100	1.1		20.0				
Benzyl alcohol	0.7189	0.6350 0.7287	0.6484 0.6259	0.7004	0.7058	Lin2	-0.03 3	0.699 6		0.0100	5.5		0.9960		0.9900		
1,2-Dichlorobenzene	1.4386	1.4808 1.4185	1.4612 1.3593	1.4218	1.4202	Ave	1.428 6			0.0100	2.7		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
2-Methylphenol	1.0401	0.9642 1.0241	1.0227 1.0227	1.0209	1.0113	Ave	1.015 1			0.7000	2.4		20.0				
bis (2-chloroisopropyl) ether	0.8450	0.8664 0.8513	0.8892 0.8372	0.8706	0.8584	Ave	0.859 8			0.0100	2.0		20.0				
Indene	2.0422	2.1562 1.9425	2.1107 ++++	2.1971	2.1207	Ave	2.094 9			0.0100	4.3		20.0				
4-Methylphenol	1.0763	1.0017 1.0808	1.0223 1.0639	1.0697	1.0682	Ave	1.054 7			0.6000	2.9		20.0				
N-Nitrosodi-n-propylamine	0.5603	0.6002 0.5648	0.6004 0.5560	0.6593	0.6120	Ave	0.593 3			0.5000	6.2		20.0				
Acetophenone	1.2959	1.4857 1.5039	1.4590 1.3582	1.5286	1.4912	Ave	1.446 1			0.0100	5.9		20.0				
Hexachloroethane	0.5396	0.5557 0.5417	0.5364 0.5349	0.5309	0.5464	Ave	0.540 8			0.3000	1.5		20.0				
Nitrobenzene	0.2831	0.2733 0.2869	0.2907 0.2562	0.2897	0.2945	Ave	0.282 1			0.2000	4.7		20.0				
Isophorone	0.5097	0.4855 0.4924	0.4795 0.4607	0.5158	0.5010	Lin2	-0.00 4	0.494 3		0.4000	4.1			0.9980		0.9900	
2-Nitrophenol	0.1909	0.1746 0.1896	0.1724 0.1936	0.1822	0.1870	Lin2	-0.01 0	0.190 0		0.1000	2.4			0.9990		0.9900	
2,4-Dimethylphenol	0.2838	0.3081 0.3192	0.3129 0.2903	0.2933	0.3227	Lin2	0.004 3	0.301 9		0.2000	5.4			0.9960		0.9900	
Bis(2-chloroethoxy)methane	0.2751	0.3158 0.3070	0.2700 0.2931	0.2736	0.3136	Ave		0.292 6	*	0.3000	6.8		20.0				
Benzoic acid	0.1939	++++ 0.2095	0.1095 0.2209	0.1450	0.1754	Lin2	-0.55 9	0.213 4		0.0100	5.7			0.9960		0.9900	
2,4-Dichlorophenol	0.3063	0.2817 0.3017	0.2920 0.2918	0.3005	0.3091	Ave		0.297 6		0.2000	3.2		20.0				
1,2,4-Trichlorobenzene	0.3467	0.3531 0.3292	0.3411 0.3108	0.3386	0.3386	Ave		0.336 9		0.0100	4.1		20.0				
Naphthalene	1.0374 0.9836	1.0685 0.9801	1.0189 0.9645	1.0090	1.0151	Lin2	0.006 7	0.999 6		0.7000	3.1			0.9990		0.9900	
4-Chloroaniline	0.3578	0.3448 0.3497	0.3545 0.3448	0.3744	0.3814	Ave		0.358 2		0.0100	4.0		20.0				
2,6-Dichlorophenol	0.3052	0.2970 0.2990	0.2806 0.3181	0.3046	0.2994	Ave		0.300 6		0.0100	3.8		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Hexachlorobutadiene	0.2333	0.2388 0.2304	0.2193 0.2368	0.2321	0.2369	Ave		0.232 5		0.0100	2.8		20.0				
Caprolactam	0.0889	0.0771 0.0904	0.0815 0.0923	0.0835	0.0892	Lin2	-0.01 5	0.090 3		0.0100	2.3			0.9990		0.9900	
4-Chloro-3-methylphenol	0.2700	0.2430 0.2685	0.2329 0.2521	0.2537	0.2596	Ave		0.254 3		0.2000	5.3		20.0				
2-Methylnaphthalene	0.7793 0.7022	0.6662 0.6895	0.7071 0.6628	0.7328	0.7179	Ave		0.707 2		0.4000	5.3		20.0				
1-Methylnaphthalene	0.6088 0.6510	0.6578 0.6324	0.6414 0.6571	0.6755	0.6468	Ave		0.646 4		0.0100	3.1		20.0				
Hexachlorocyclopentadiene	0.4545	0.3622 0.4574	0.3560 0.4449	0.4202	0.4325	Lin2	-0.05 3	0.448 7		0.0500	4.8			0.9970		0.9900	
1,2,4,5-Tetrachlorobenzene	0.6420	0.6730 0.6396	0.6411 0.6334	0.6710	0.6416	Ave		0.648 8		0.0100	2.5		20.0				
2,4,6-Trichlorophenol	0.4105	0.3470 0.4086	0.3632 0.4049	0.4005	0.3889	Lin2	-0.03 3	0.407 9		0.2000	2.2			0.9990		0.9900	
2,4,5-Trichlorophenol	0.4075	0.3396 0.3875	0.3735 0.4037	0.4042	0.4072	Lin2	-0.03 3	0.407 9		0.2000	2.6			0.9990		0.9900	
Biphenyl	1.4131	1.4840 1.3906	1.4370 1.2841	1.5068	1.4354	Ave		1.421 6		0.0100	5.1		20.0				
2-Chloronaphthalene	1.1117	1.1221 1.0160	1.0652 1.0087	1.1072	1.0853	Ave		1.073 8		0.8000	4.3		20.0				
2-Nitroaniline	0.2409	0.1845 0.2246	0.2026 0.2293	0.2423	0.2331	Lin2	-0.02 7	0.237 7		0.0100	4.6			0.9970		0.9900	
Dimethyl phthalate	1.1678	1.2230 1.1490	1.1592 1.1523	1.2550	1.2365	Ave		1.191 8		0.0100	3.8		20.0				
1,3-Dinitrobenzene	0.1154	0.0900 0.1175	0.0991 0.1247	0.1124	0.1156	Lin2	-0.01 6	0.119 9		0.0100	3.1			0.9990		0.9900	
2,6-Dinitrotoluene	0.2885	0.2715 0.2789	0.2955 0.2909	0.2872	0.2783	Lin2	-0.00 5	0.287 1		0.2000	2.9			0.9990		0.9900	
Acenaphthylene	1.8067 1.7624	1.7596 1.7390	1.8081 1.6021	1.8007	1.7833	Ave		1.757 7		0.9000	3.8		20.0				
3-Nitroaniline	0.2951	0.2422 0.2960	0.2612 0.2766	0.3096	0.2873	Lin2	-0.02 6	0.296 2		0.0100	5.0			0.9970		0.9900	
2,4-Dinitrophenol	0.1742	0.0566 0.1791	0.0935 0.1879	0.1267	0.1530	Lin2	-0.13 3	0.176 8		0.0100	8.4			0.9910		0.9900	

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Acenaphthene	1.2748 1.1397	1.1901 1.1296	1.1939 1.0590	1.2223	1.1511	Ave		1.170 1		0.9000	5.6		20.0				
4-Nitrophenol	0.1515	0.0871 0.1526	0.1117 0.1500	0.1358	0.1434	Lin2	-0.06 9	0.153 0		0.0100	2.5		0.9990			0.9900	
2,4-Dinitrotoluene	0.3929	0.3306 0.3859	0.3796 0.3825	0.3833	0.3886	Lin2	-0.02 8	0.393 5		0.2000	2.2		0.9990			0.9900	
Dibenzofuran	1.5824	1.6893 1.5830	1.6143 1.5696	1.6606	1.5784	Ave		1.611 1		0.8000	2.9		20.0				
2,3,4,6-Tetrachlorophenol	0.3437	0.2578 0.3682	0.2821 0.3492	0.3104	0.3349	Lin2	-0.05 2	0.350 9		0.0100	4.2		0.9980			0.9900	
Hexadecane	0.4716	0.4912 0.4695	0.4568 0.4477	0.4752	0.4467	Ave		0.465 5		0.0100	3.5		20.0				
Diethyl phthalate	1.1449	1.2697 1.1557	1.2362 1.1275	1.2550	1.2633	Ave		1.207 5		0.0100	5.1		20.0				
4-Chlorophenyl phenyl ether	0.6882	0.6545 0.6578	0.6748 0.6393	0.6794	0.6789	Ave		0.667 5		0.4000	2.6		20.0				
4-Nitroaniline	0.3095	0.3048 0.3023	0.2964 0.3055	0.3031	0.3113	Lin2	-0.00 2	0.306 0		0.0100	1.7		1.0000			0.9900	
Fluorene	1.2656 1.2642	1.3141 1.2876	1.2081 1.1730	1.3118	1.2608	Ave		1.260 7		0.9000	3.9		20.0				
4,6-Dinitro-2-methylphenol	0.1311	0.0797 0.1293	0.0928 0.1255	0.1071	0.1202	Lin2	-0.05 3	0.127 5		0.0100	5.1		0.9970			0.9900	
Diphenylamine	0.6088	0.5731 0.5803	0.5866 0.5572	0.6031	0.6028	Ave		0.587 4		0.0100	3.2		20.0				
N-Nitrosodiphenylamine	0.5205	0.4900 0.4962	0.5015 0.4764	0.5156	0.5154	Ave		0.502 2		0.0100	3.2		20.0				
1,2-Diphenylhydrazine	0.5169	0.5147 0.4958	0.5059 0.4806	0.5185	0.5131	Ave		0.506 5		0.0100	2.7		20.0				
trans-Azobenzene	0.5169	0.5147 0.4958	0.5059 0.4806	0.5185	0.5131	Ave		0.506 5		0.0100	2.7		20.0				
4-Bromophenyl phenyl ether	0.2559	0.2554 0.2507	0.2436 0.2587	0.2571	0.2560	Ave		0.253 9		0.1000	2.0		20.0				
Hexachlorobenzene	0.3217	0.3160 0.3246	0.3075 0.3187	0.3197	0.3100	Ave		0.316 9		0.1000	2.0		20.0				
Atrazine	0.3622	0.3924 0.3571	0.3842 0.3545	0.3892	0.3910	Ave		0.375 8		0.0100	4.5		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
n-Octadecane	0.2740	0.2689 0.2616	0.2627 0.2652	0.2694	0.2625	Ave		0.266 3		0.0100	1.7		20.0				
Pentachlorophenol	0.1575	0.0596 0.1560	0.0947 0.1653	0.1199	0.1335	Lin2	-0.10 5	0.156 8		0.0500	6.8			0.9940		0.9900	
Phenanthrene	1.0985 1.0265	1.0704 0.9967	1.0380 0.9854	1.0642	1.0459	Ave		1.040 7		0.7000	3.6		20.0				
Anthracene	1.0416 1.0598	1.0257 0.9844	1.0570 0.9679	1.0680	1.0398	Ave		1.030 5		0.7000	3.5		20.0				
Carbazole	0.9188	0.8270 0.8642	0.9193 0.8633	0.8936	0.8975	Ave		0.883 4		0.0100	3.8		20.0				
Di-n-butyl phthalate	1.1712	1.1379 1.0963	1.1223 1.0848	1.1411	1.1457	Ave		1.128 5		0.0100	2.6		20.0				
Fluoranthene	1.1347 1.1626	1.1417 1.1254	1.1875 1.1144	1.1982	1.1887	Ave		1.156 7		0.6000	2.8		20.0				
Benzidine	0.5990	0.6080 0.5674	0.6080 0.5452	0.6105	0.6004	Ave		0.591 2		0.0100	4.2		20.0				
Pyrene	1.2093 1.1832	1.2029 1.1741	1.2613 1.1554	1.2382	1.2457	Ave		1.208 8		0.6000	3.1		20.0				
Butyl benzyl phthalate	0.5093	0.4728 0.5116	0.5196 0.5086	0.4881	0.5237	Ave		0.504 8		0.0100	3.6		20.0				
Bis(2-ethylhexyl) phthalate	0.7398	0.6546 0.7309	0.7057 0.7492	0.7066	0.7499	Ave		0.719 5		0.0100	4.7		20.0				
3,3'-Dichlorobenzidine	0.5112	0.4694 0.4924	0.4885 0.4924	0.4944	0.5064	Ave		0.493 5		0.0100	2.7		20.0				
Benzo[a]anthracene	1.2694 1.1754	1.2053 1.1710	1.2401 1.1715	1.2057	1.2411	Ave		1.210 0		0.8000	3.1		20.0				
Chrysene	1.2000 1.1066	1.1972 1.1177	1.1753 1.1133	1.1344	1.1707	Ave		1.151 9		0.7000	3.3		20.0				
Di-n-octyl phthalate	1.2348	1.0688 1.2452	1.1540 1.2577	1.1877	1.2570	Lin2	-0.09 6	1.256 0		0.0100	1.3			1.0000		0.9900	
Benzo[b]fluoranthene	1.0734 1.2002	1.1191 1.1523	1.1683 1.1713	1.1737	1.1825	Ave		1.155 1		0.7000	3.5		20.0				
Benzo[k]fluoranthene	1.2214 1.1956	1.1623 1.1085	1.1552 1.1256	1.2108	1.1890	Ave		1.171 1		0.7000	3.4		20.0				
Benzo[a]pyrene	1.0296 1.1438	1.0683 1.1152	1.1003 1.1175	1.1063	1.1463	Ave		1.103 4		0.7000	3.5		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Indeno[1,2,3-cd]pyrene	1.2021 1.3815	1.2123 1.3520	1.3008 1.3920	1.3143	1.3639	Lin2	-0.02 1	1.346 9		0.5000	3.6			0.9990		0.9900	
Dibenz(a,h)anthracene	1.0520 1.2038	1.1018 1.1815	1.1182 1.2362	1.1715	1.1847	Ave		1.156 2		0.4000	5.2		20.0				
Benzo[g,h,i]perylene	1.1300 1.2049	1.0815 1.1741	1.1394 1.2000	1.1381	1.1911	Ave		1.157 4		0.5000	3.7		20.0				
2-Fluorophenol (Surr)	1.1088	1.0637 1.1030	1.0270 1.0724	1.0491	1.0833	Ave		1.072 5		0.0100	2.7		20.0				
Phenol-d5 (Surr)	1.2645	1.1443 1.2490	1.2420 1.2514	1.2300	1.2611	Ave		1.234 6		0.0100	3.4		20.0				
Nitrobenzene-d5 (Surr)	0.3298	0.3305 0.3286	0.3310 0.3306	0.3243	0.3313	Ave		0.329 5		0.0100	0.7		20.0				
2-Fluorobiphenyl (Surr)	1.3598	1.3464 1.3514	1.3556 1.3133	1.4130	1.3506	Ave		1.355 7		0.0100	2.2		20.0				
2,4,6-Tribromophenol (Surr)	0.1658	0.1328 0.1657	0.1413 0.1645	0.1477	0.1554	Lin2	-0.01 7	0.163 2		0.0100	3.3			0.9990		0.9900	
p-Terphenyl-d14 (Surr)	1.0143	1.0610 1.0174	1.0672 1.0174	1.0633	1.0672	Ave		1.044 0		0.0100	2.5		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604656/3	Y02826636.D
Level 2	IC 480-604656/4	Y02826637.D
Level 3	IC 480-604656/5	Y02826638.D
Level 4	IC 480-604656/6	Y02826639.D
Level 5	ICIS 480-604656/7	Y02826640.D
Level 6	IC 480-604656/8	Y02826641.D
Level 7	IC 480-604656/9	Y02826642.D
Level 8	IC 480-604656/10	Y02826643.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 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave		13356	28071	58935	114882		0.500	1.00	2.00	4.00
			231764	342057	428648		8.00	12.0	16.0			
N-Nitrosodimethylamine	DCBd 4	Ave		16629	33198	66419	139501		0.500	1.00	2.00	4.00
			271527	402369	529101		8.00	12.0	16.0			
Pyridine	DCBd 4	Ave		33572	70839	149826	297216		1.00	2.00	4.00	8.00
			583441	887152	1152214		16.0	24.0	32.0			
Benzaldehyde	DCBd 4	Lin2		57507	110960	239417	428984		1.00	2.00	4.00	8.00
			889673	1228875	1540156		16.0	24.0	32.0			
Phenol	DCBd 4	Ave		47857	93705	198998	395084		0.500	1.00	2.00	4.00
			782582	1170671	1503114		8.00	12.0	16.0			
Aniline	DCBd 4	Ave		55881	116106	241221	477045		0.500	1.00	2.00	4.00
			917504	1486246	1942410		8.00	12.0	16.0			
Bis(2-chloroethyl) ether	DCBd 4	Ave		36295	70414	141168	288325		0.500	1.00	2.00	4.00
			595958	717773	947644		8.00	12.0	16.0			
2-Chlorophenol	DCBd 4	Ave		45126	90943	194108	380229		0.500	1.00	2.00	4.00
			788443	1135917	1474000		8.00	12.0	16.0			
n-Decane	DCBd 4	Ave		33226	61985	127894	258531		0.500	1.00	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
			500120	749747	980093			8.00	12.0	16.0		
1,3-Dichlorobenzene	DCBd 4	Ave		55542	115748	234904	448964		0.500	1.00	2.00	4.00
			918138	1356721	1742470			8.00	12.0	16.0		
1,4-Dichlorobenzene	DCBd 4	Ave		56247	116906	231755	464439		0.500	1.00	2.00	4.00
			929290	1351444	1796233			8.00	12.0	16.0		
Benzyl alcohol	DCBd 4	Lin2		24157	49893	107584	217413		0.500	1.00	2.00	4.00
			445478	665181	756522			8.00	12.0	16.0		
1,2-Dichlorobenzene	DCBd 4	Ave		56332	112427	218376	437484		0.500	1.00	2.00	4.00
			891488	1294957	1642914			8.00	12.0	16.0		
2-Methylphenol	DCBd 4	Ave		36681	78686	156809	311519		0.500	1.00	2.00	4.00
			644535	934890	1236007			8.00	12.0	16.0		
bis (2-chloroisopropyl) ether	DCBd 4	Ave		32960	68420	133726	264429		0.500	1.00	2.00	4.00
			523644	777174	1011889			8.00	12.0	16.0		
Indene	DCBd 4	Ave		410135	812008	1687335	3266449		2.50	5.00	10.0	20.0
			6327556	8866555	+++++			40.0	60.0	+++++		
4-Methylphenol	DCBd 4	Ave		38106	78658	164305	329062		0.500	1.00	2.00	4.00
			666986	986644	1285855			8.00	12.0	16.0		
N-Nitrosodi-n-propylamine	DCBd 4	Ave		22834	46200	101267	188517		0.500	1.00	2.00	4.00
			347201	515561	671970			8.00	12.0	16.0		
Acetophenone	DCBd 4	Ave		56519	112263	234788	459378		0.500	1.00	2.00	4.00
			803041	1372904	1641590			8.00	12.0	16.0		
Hexachloroethane	DCBd 4	Ave		21141	41269	81542	168327		0.500	1.00	2.00	4.00
			334388	494546	646485			8.00	12.0	16.0		
Nitrobenzene	NPT	Ave		36721	78646	161634	321273		0.500	1.00	2.00	4.00
			640333	958902	1084117			8.00	12.0	16.0		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
Isophorone	NPT	Lin2	1152750	65227 1645919	129733 1949671	287786	546618	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitrophenol	NPT	Lin2	431720	23452 633610	46652 819168	101670	204011	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dimethylphenol	NPT	Lin2	641754	41390 1066839	84648 1228480	163648	352099	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	622216	42423 1026097	73048 1240375	152652	342178	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzoic acid	NPT	Lin2	2192467	+++++ 3501119	148173 4673792	404572	956647	40.0	+++++ 60.0	5.00 80.0	10.0	20.0
2,4-Dichlorophenol	NPT	Ave	692726	37843 1008366	79006 1234840	167658	337244	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	784079	47435 1100327	92274 1315429	188925	369441	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Naphthalene	NPT	Lin2	35072 2224486	143547 3275739	275646 4081660	562924	1107504	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chloroaniline	NPT	Ave	809210	46321 1168762	95896 1459367	208883	416079	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dichlorophenol	NPT	Ave	690273	39903 999280	75904 1346341	169936	326613	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	527556	32089 770115	59339 1002320	129516	258465	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Caprolactam	NPT	Lin2	402017	20724 604470	44086 781000	93119	194730	16.0	1.00 24.0	2.00 32.0	4.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	610717	32647 897518	63002 1066815	141560	283225	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1588216	26345 2304532	89507 2805193	408819	783209	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1472301	20582 2113655	88378 2781090	376854	705665	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Lin2	624773	29447 918335	56238 1158980	139372	284586	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	882462	54718 1284063	101275 1649961	222558	422138	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Lin2	564233	28215 820370	57372 1054750	132830	255899	8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
2,4,5-Trichlorophenol	ANT	Lin2	560158	27608 777964	59004 1051700	134056	267941	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Biphenyl	ANT	Ave	1942528	120654 2791746	226994 3345267	499750	944411	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1528236	91234 2039676	168258 2627854	367219	714062	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Nitroaniline	ANT	Lin2	331179	14999 450811	32001 597402	80359	153380	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1605241	99436 2306759	183108 3001711	416240	813555	8.00	0.500 12.0	1.00 16.0	2.00	4.00
1,3-Dinitrobenzene	NPT	Lin2	261055	12092 392638	26822 527568	62715	126115	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Lin2	396526	22074 559977	46684 757916	95240	183089	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Acenaphthylene	ANT	Ave	36016 2422579	143066 3491200	285598 4173493	597228	1173276	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
3-Nitroaniline	ANT	Lin2	405705	19692 594155	41265 720691	102674	189056	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,4-Dinitrophenol	ANT	Lin2	479012	9205 719067	29540 979163	84043	201373	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Acenaphthene	ANT	Ave	25412 1566705	96761 2267806	188591 2758774	405404	757363	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Nitrophenol	ANT	Lin2	416586	14165 612575	35293 781512	90073	188678	16.0	1.00 24.0	2.00 32.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Lin2	540023	26880 774826	59962 996506	127120	255687	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenzofuran	ANT	Ave	2175258	137351 3177995	254997 4089015	550758	1038478	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Lin2	472446	20960 739174	44568 909651	102939	220353	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Hexadecane	ANT	Ave	648299	39938 942557	72163 1166250	157600	293873	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1573842	103235 2320158	195262 2937234	416229	831147	8.00	0.500 12.0	1.00 16.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	945968	53214 1320606	106584 1665343	225335	446665	8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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	
4-Nitroaniline	ANT	Lin2		24778	46824	100540	204842		0.500	1.00	2.00	4.00	
			425399	606830	795865			8.00	12.0	16.0			
Fluorene	ANT	Ave	25230	106842	190836	435082	829521	0.125	0.500	1.00	2.00	4.00	
			1737745	2585049	3055708			8.00	12.0	16.0			
4,6-Dinitro-2-methylphenol	PHN	Lin2		23277	53097	130735	287459		1.00	2.00	4.00	8.00	
			647517	955995	1205609			16.0	24.0	32.0			
Diphenylamine	PHN	Ave		71547	143494	314673	616073		0.428	0.855	1.71	3.42	
			1285799	1834203	2287693			6.84	10.3	13.7			
N-Nitrosodiphenylamine	PHN	Ave		71547	143494	314673	616073		0.500	1.00	2.00	4.00	
			1285799	1834203	2287693			8.00	12.0	16.0			
1,2-Diphenylhydrazine	PHN	Ave		75153	144731	316438	613296		0.500	1.00	2.00	4.00	
			1276898	1832668	2307939			8.00	12.0	16.0			
trans-Azobenzene	PHN	Ave		75153	144731	316438	613296		0.500	1.00	2.00	4.00	
			1276898	1832668	2307939			8.00	12.0	16.0			
4-Bromophenyl phenyl ether	PHN	Ave		37290	69696	156927	305955		0.500	1.00	2.00	4.00	
			632081	926718	1242428			8.00	12.0	16.0			
Hexachlorobenzene	PHN	Ave		46147	87981	195108	370480		0.500	1.00	2.00	4.00	
			794714	1199968	1530599			8.00	12.0	16.0			
Atrazine	ANT	Ave		63814	121381	258198	514530		1.00	2.00	4.00	8.00	
			995649	1433704	1847246			16.0	24.0	32.0			
n-Octadecane	PHN	Ave		39267	75159	164408	313740		0.500	1.00	2.00	4.00	
			676829	967227	1273445			8.00	12.0	16.0			
Pentachlorophenol	PHN	Lin2		17402	54175	146311	319152		1.00	2.00	4.00	8.00	
			777956	1153296	1587314			16.0	24.0	32.0			
Phenanthrene	PHN	Ave		38211	156289	296976	649481	1250193	0.125	0.500	1.00	2.00	4.00
			2535760	3684664	4732128			8.00	12.0	16.0			
Anthracene	PHN	Ave		36230	149766	302401	651790	1242821	0.125	0.500	1.00	2.00	4.00
			2617846	3639125	4648144			8.00	12.0	16.0			
Carbazole	PHN	Ave		120755	263008	545363	1072728		0.500	1.00	2.00	4.00	
			2269715	3194764	4145479			8.00	12.0	16.0			
Di-n-butyl phthalate	PHN	Ave		166153	321106	696360	1369463		0.500	1.00	2.00	4.00	
			2893114	4052747	5209132			8.00	12.0	16.0			
Fluoranthene	PHN	Ave		39470	166711	339739	731247	1420815	0.125	0.500	1.00	2.00	4.00
			2871788	4160378	5351448			8.00	12.0	16.0			
Benzidine	CRY	Ave		178416	341595	732635	1399826		1.00	2.00	4.00	8.00	
			2976638	4109467	5124677			16.0	24.0	32.0			

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
Pyrene	CRY	Ave	42632 2939679	176496 4252199	354305 5430525	742919	1452292	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1265369	69365 1852815	145950 2390620	292851	610528	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	1838128	96046 2646912	198249 3521521	423969	874271	8.00	0.500 12.0	1.00 16.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	2540457	137739 3566160	274452 4629106	593272	1180748	16.0	1.00 24.0	2.00 32.0	4.00	8.00
Benzo[a]anthracene	CRY	Ave	44751 2920351	176853 4240843	348361 5506391	723451	1446948	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Chrysene	CRY	Ave	42303 2749327	175663 4047915	330152 5232804	680658	1364795	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Di-n-octyl phthalate	CRY	Lin2	3068002	156821 4509378	324184 5911293	712644	1465452	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	40216 3201078	178364 4629404	358299 6037366	770205	1522140	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	45763 3188785	185240 4453375	354292 5801832	794544	1530452	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	38577 3050622	170267 4480264	337470 5759777	725977	1475570	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Lin2	45040 3684551	193213 5431346	398941 7174476	862450	1755670	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	39416 3210630	175600 4746556	342939 6371487	768765	1524987	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	42337 3213526	172364 4716621	349461 6185186	746819	1533265	0.125 8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorophenol (Surr)	DCBd 4	Ave	687108	40464 1006962	79019 1296057	161144	333707	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Phenol-d5 (Surr)	DCBd 4	Ave	783563	43532 1140227	95561 1512505	188920	388473	8.00	0.500 12.0	1.00 16.0	2.00	4.00
Nitrobenzene-d5 (Surr)	NPT	Ave	745961	44407 1098363	89536 1399130	180946	361468	8.00	0.500 12.0	1.00 16.0	2.00	4.00
2-Fluorobiphenyl (Surr)	ANT	Ave	1869180	109472 2713182	214126 3421349	468639	888587	8.00	0.500 12.0	1.00 16.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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
2,4,6-Tribromophenol (Surr)	PHN	Lin2	409543	19385 612360	40421 789770	90137	185782	8.00	0.500 12.0	1.00 16.0	2.00	4.00
p-Terphenyl-d14 (Surr)	CRY	Ave	2520141	155683 3684474	299788 4782100	637984	1244196	8.00	0.500 12.0	1.00 16.0	2.00	4.00

Curve Type Legend

Ave = Average 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 TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-604656/3	Y02826636.D
Level 2	IC 480-604656/4	Y02826637.D
Level 3	IC 480-604656/5	Y02826638.D
Level 4	IC 480-604656/6	Y02826639.D
Level 5	ICIS 480-604656/7	Y02826640.D
Level 6	IC 480-604656/8	Y02826641.D
Level 7	IC 480-604656/9	Y02826642.D
Level 8	IC 480-604656/10	Y02826643.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
1,4-Dioxane	1.8	-4.6 -3.6	-0.9	4.3	1.3	1.6	30	30	30	30	30	30
N-Nitrosodimethylamine	0.5	-0.3 -0.2	-1.6	-1.4	3.2	-0.1	30	30	30	30	30	30
Pyridine	2.9	-6.5 1.0	-2.5	3.3	2.2	-0.3	30	30	30	30	30	30
Benzaldehyde	-2.7	-1.8 -7.8	-1.1	10.3	-0.3	3.5	30	30	30	30	30	30
Phenol	1.5	-0.4 -1.6	-3.6	2.6	1.5	0.0	30	30	30	30	30	30
Aniline	5.4	-4.9 4.0	-2.3	1.7	0.3	-4.1	30	30	30	30	30	30
Bis(2-chloroethyl)ether	-12.0	6.7 -12.3	2.4	2.8	4.7	7.6	30	30	30	30	30	30
2-Chlorophenol	1.3	-3.5 -0.8	-3.8	2.8	0.4	3.5	30	30	30	30	30	30
n-Decane	-0.7	5.6 -2.0	-2.6	0.7	1.5	-2.4	30	30	30	30	30	30
1,3-Dichlorobenzene	0.4	-1.4 -2.6	1.6	3.3	-1.5	0.1	30	30	30	30	30	30
1,4-Dichlorobenzene	-1.1	-1.2 -0.7	1.5	0.8	0.7	0.2	30	30	30	30	30	30
Benzyl alcohol	4.5	0.3 -10.2	-2.5	2.5	2.1	3.3	30	30	30	30	30	30
1,2-Dichlorobenzene	-0.7	3.7 -4.8	2.3	-0.5	-0.6	0.7	30	30	30	30	30	30
2-Methylphenol	0.9	-5.0 0.7	0.7	0.6	-0.4	2.5	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

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	-1.0	0.8 -2.6	3.4	1.3	-0.2	-1.7	30	30	30	30	30	30
Indene	-7.3	2.9 +++++	0.8	4.9	1.2	-2.5	30	30	30	30	30	30
4-Methylphenol	2.5	-5.0 0.9	-3.1	1.4	1.3	2.1	30	30	30	30	30	30
N-Nitrosodi-n-propylamine	-4.8	1.2 -6.3	1.2	11.1	3.1	-5.6	30	30	30	30	30	30
Acetophenone	4.0	2.7 -6.1	0.9	5.7	3.1	-10.4	30	30	30	30	30	30
Hexachloroethane	0.2	2.8 -1.1	-0.8	-1.8	1.0	-0.2	30	30	30	30	30	30
Nitrobenzene	1.7	-3.1 -9.2	3.1	2.7	4.4	0.4	30	30	30	30	30	30
Isophorone	-0.3	-0.2 -6.7	-2.2	4.7	1.6	3.2	30	30	30	30	30	30
2-Nitrophenol	0.2	2.3 2.2	-4.0	-1.5	-0.3	1.1	30	30	30	30	30	30
2,4-Dimethylphenol	5.6	-0.8 -3.9	2.2	-3.5	6.6	-6.2	30	30	30	30	30	30
Bis (2-chloroethoxy)methane	4.9	7.9 0.2	-7.7	-6.5	7.2	-6.0	30	30	30	30	30	30
Benzoic acid	2.5	++++ 6.8	3.8	-5.8	-4.7	-2.6	30	30	30	30	30	30
2,4-Dichlorophenol	1.4	-5.3 -2.0	-1.9	1.0	3.9	2.9	30	30	30	30	30	30
1,2,4-Trichlorobenzene	-2.3	4.8 -7.7	1.2	0.5	0.5	2.9	30	30	30	30	30	30
Naphthalene	-1.6 -2.0	5.6 -3.6	1.3	0.6	1.4	-1.7	30 30	30 30	30	30	30	30
4-Chloroaniline	-2.4	-3.7 -3.7	-1.0	4.5	6.5	-0.1	30	30	30	30	30	30
2,6-Dichlorophenol	-0.5	-1.2 5.8	-6.6	1.3	-0.4	1.5	30	30	30	30	30	30
Hexachlorobutadiene	-0.9	2.7 1.9	-5.7	-0.2	1.9	0.3	30	30	30	30	30	30
Caprolactam	0.8	1.6 2.7	-1.7	-3.6	0.8	-0.6	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
4-Chloro-3-methylphenol	5.6	-4.4 -0.9	-8.4	-0.2	2.1	6.2	30	30	30	30	30	30
2-Methylnaphthalene	10.2 -2.5	-5.8 -6.3	0.0	3.6	1.5	-0.7	30 30	30 30	30	30	30	30
1-Methylnaphthalene	-5.8 -2.2	1.8 1.7	-0.8	4.5	0.1	0.7	30 30	30 30	30	30	30	30
Hexachlorocyclopentadiene	2.9	4.3 -0.1	-8.8	-0.4	-0.6	2.8	30	30 30	30	30	30	30
1,2,4,5-Tetrachlorobenzene	-1.4	3.7 -2.4	-1.2	3.4	-1.1	-1.1	30	30 30	30	30	30	30
2,4,6-Trichlorophenol	0.9	1.1 -0.2	-2.9	2.2	-2.6	1.6	30	30 30	30	30	30	30
2,4,5-Trichlorophenol	-4.3	-0.7 -0.5	-0.4	3.1	1.9	0.9	30	30 30	30	30	30	30
Biphenyl	-2.2	4.4 -9.7	1.1	6.0	1.0	-0.6	30	30 30	30	30	30	30
2-Chloronaphthalene	-5.4	4.5 -6.1	-0.8	3.1	1.1	3.5	30	30 30	30	30	30	30
2-Nitroaniline	-4.6	-0.1 -2.8	-3.6	7.5	0.9	2.7	30	30 30	30	30	30	30
Dimethyl phthalate	-3.6	2.6 -3.3	-2.7	5.3	3.8	-2.0	30	30 30	30	30	30	30
1,3-Dinitrobenzene	-0.9	1.9 4.8	-3.9	0.5	-0.2	-2.1	30	30 30	30	30	30	30
2,6-Dinitrotoluene	-2.7	-2.1 1.4	4.6	0.8	-2.7	0.7	30	30 30	30	30	30	30
Acenaphthylene	2.8 -1.1	0.1 -8.9	2.9	2.4	1.5	0.3	30 30	30 30	30	30	30	30
3-Nitroaniline	0.7	-0.5 -6.1	-3.0	8.9	-0.8	0.7	30	30 30	30	30	30	30
2,4-Dinitrophenol	4.4	7.1 8.6	-9.6	-9.6	-4.1	3.2	30	30 30	30	30	30	30
Acenaphthene	8.9 -3.5	1.7 -9.5	2.0	4.5	-1.6	-2.6	30 30	30 30	30	30	30	30
4-Nitrophenol	1.6	2.1 -0.6	-4.4	0.0	-0.6	1.9	30	30 30	30	30	30	30
2,4-Dinitrotoluene	-1.3	-2.0 -2.3	3.5	0.9	0.5	0.7	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 TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Dibenzofuran	-1.7	4.9 -2.6	0.2	3.1	-2.0	-1.8	30	30	30	30	30	30
2,3,4,6-Tetrachlorophenol	6.2	3.2 0.4	-4.7	-4.1	-0.8	-0.2	30	30	30	30	30	30
Hexadecane	0.9	5.5 -3.8	-1.9	2.1	-4.1	1.3	30	30	30	30	30	30
Diethyl phthalate	-4.3	5.2 -6.6	2.4	3.9	4.6	-5.2	30	30	30	30	30	30
4-Chlorophenyl phenyl ether	-1.5	-2.0 -4.2	1.1	1.8	1.7	3.1	30	30	30	30	30	30
4-Nitroaniline	-1.2	1.1 -0.1	-2.4	-0.6	1.9	1.2	30	30	30	30	30	30
Fluorene	0.4 2.1	4.2 -7.0	-4.2	4.1	0.0	0.3	30	30	30	30	30	30
4,6-Dinitro-2-methylphenol	3.1	4.2 -0.3	-6.4	-5.6	-0.5	5.4	30	30	30	30	30	30
Diphenylamine	-1.2	-2.4 -5.1	-0.1	2.7	2.6	3.6	30	30	30	30	30	30
N-Nitrosodiphenylamine	-1.2	-2.4 -5.1	-0.1	2.7	2.6	3.6	30	30	30	30	30	30
1,2-Diphenylhydrazine	-2.1	1.6 -5.1	-0.1	2.4	1.3	2.1	30	30	30	30	30	30
trans-Azobenzene	-2.1	1.6 -5.1	-0.1	2.4	1.3	2.1	30	30	30	30	30	30
4-Bromophenyl phenyl ether	-1.3	0.6 1.9	-4.1	1.3	0.8	0.8	30	30	30	30	30	30
Hexachlorobenzene	2.4	-0.3 0.6	-3.0	0.9	-2.2	1.5	30	30	30	30	30	30
Atrazine	-5.0	4.4 -5.7	2.2	3.6	4.0	-3.6	30	30	30	30	30	30
n-Octadecane	-1.8	1.0 -0.4	-1.4	1.2	-1.4	2.9	30	30	30	30	30	30
Pentachlorophenol	2.3	5.0 7.5	-6.1	-6.8	-6.5	4.6	30	30	30	30	30	30
Phenanthrene	5.6 -4.2	2.8 -5.3	-0.3	2.3	0.5	-1.4	30	30	30	30	30	30
Anthracene	1.1 -4.5	-0.5 -6.1	2.6	3.6	0.9	2.8	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Carbazole	-2.2	-6.4 -2.3	4.1	1.2	1.6	4.0	30	30	30	30	30	30
Di-n-butyl phthalate	-2.8	0.8 -3.9	-0.5	1.1	1.5	3.8	30	30	30	30	30	30
Fluoranthene	-1.9 -2.7	-1.3 -3.7	2.7	3.6	2.8	0.5	30	30	30	30	30	30
Benzidine	-4.0	2.8 -7.8	2.8	3.3	1.5	1.3	30	30	30	30	30	30
Pyrene	0.0 -2.9	-0.5 -4.4	4.3	2.4	3.1	-2.1	30	30	30	30	30	30
Butyl benzyl phthalate	1.3	-6.3 0.8	2.9	-3.3	3.7	0.9	30	30	30	30	30	30
Bis(2-ethylhexyl) phthalate	1.6	-9.0 4.1	-1.9	-1.8	4.2	2.8	30	30	30	30	30	30
3,3'-Dichlorobenzidine	-0.2	-4.9 -0.2	-1.0	0.2	2.6	3.6	30	30	30	30	30	30
Benzo[a]anthracene	4.9 -3.2	-0.4 -3.2	2.5	-0.3	2.6	-2.9	30	30	30	30	30	30
Chrysene	4.2 -3.0	3.9 -3.3	2.0	-1.5	1.6	-3.9	30	30	30	30	30	30
Di-n-octyl phthalate	-0.2	0.4 0.6	-0.5	-1.6	2.0	-0.7	30	30	30	30	30	30
Benzo[b]fluoranthene	-7.1 -0.2	-3.1 1.4	1.1	1.6	2.4	3.9	30	30	30	30	30	30
Benzo[k]fluoranthene	4.3 -5.3	-0.7 -3.9	-1.4	3.4	1.5	2.1	30	30	30	30	30	30
Benzo[a]pyrene	-6.7 1.1	-3.2 1.3	-0.3	0.3	3.9	3.7	30	30	30	30	30	30
Indeno[1,2,3-cd]pyrene	1.9 0.5	-6.8 3.4	-1.8	-1.6	1.7	2.8	30	30	30	30	30	30
Dibenz(a,h)anthracene	-9.0 2.2	-4.7 6.9	-3.3	1.3	2.5	4.1	30	30	30	30	30	30
Benzo[g,h,i]perylene	-2.4 1.4	-6.6 3.7	-1.6	-1.7	2.9	4.1	30	30	30	30	30	30
2-Fluorophenol (Surr)	2.9	-0.8 0.0	-4.2	-2.2	1.0	3.4	30	30	30	30	30	30
Phenol-d5 (Surr)	1.2	-7.3 1.4	0.6	-0.4	2.1	2.4	30	30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1 Analy Batch No.: 604656

SDG No.: _____

Instrument ID: HP5973Y GC Column: RXI-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/12/2021 11:23 Calibration End Date: 11/12/2021 14:33 Calibration ID: 42716

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Nitrobenzene-d5 (Surr)	-0.3	0.3 0.3	0.5	-1.6	0.6	0.1	30	30 30	30	30	30	30
2-Fluorobiphenyl (Surr)	-0.3	-0.7 -3.1	0.0	4.2	-0.4	0.3	30	30 30	30	30	30	30
2,4,6-Tribromophenol (Surr)	2.4	2.4 1.5	-2.9	-4.2	-2.1	2.9	30	30 30	30	30	30	30
p-Terphenyl-d14 (Surr)	-2.5	1.6 -2.5	2.2	1.8	2.2	-2.8	30	30 30	30	30	30	30

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D
 Lims ID: IC - List 1 - 0.125
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 12-Nov-2021 11:23:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-003
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:19 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:14:44

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	6.625	6.624	0.001	93	303787	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.716	-0.001	98	1081856	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.206	-0.001	93	637904	4.00	4.00	
* 4 Phenanthrene-d10	188	10.467	10.469	-0.002	94	1113069	4.00	4.00	
* 5 Chrysene-d12	240	13.245	13.247	-0.002	97	1128095	4.00	4.00	
* 6 Perylene-d12	264	15.518	15.517	0.001	98	1198958	4.00	4.00	
74 Naphthalene	128	7.735	7.733	0.002	91	35072	0.1250	0.1231	
87 2-Methylnaphthalene	142	8.314	8.312	0.002	97	26345	0.1250	0.1377	
89 1-Methylnaphthalene	142	8.402	8.403	-0.001	91	20582	0.1250	0.1177	
108 Acenaphthylene	152	9.088	9.087	0.001	96	36016	0.1250	0.1285	
110 Acenaphthene	153	9.233	9.232	0.001	93	25412	0.1250	0.1362	
124 Fluorene	166	9.664	9.666	-0.002	89	25230	0.1250	0.1255	
151 Phenanthrene	178	10.487	10.489	-0.002	94	38211	0.1250	0.1319	
152 Anthracene	178	10.533	10.531	0.002	94	36230	0.1250	0.1263	
164 Fluoranthene	202	11.546	11.544	0.002	97	39470	0.1250	0.1226	
167 Pyrene	202	11.781	11.785	-0.004	99	42632	0.1250	0.1251	
180 Benzo[a]anthracene	228	13.228	13.230	-0.002	96	44751	0.1250	0.1311	
182 Chrysene	228	13.285	13.281	0.004	95	42303	0.1250	0.1302	
186 Benzo[b]fluoranthene	252	14.880	14.878	0.002	95	40216	0.1250	0.1162	
187 Benzo[k]fluoranthene	252	14.925	14.918	0.007	97	45763	0.1250	0.1304	
189 Benzo[a]pyrene	252	15.422	15.420	0.002	77	38577	0.1250	0.1166	
193 Indeno[1,2,3-cd]pyrene	276	17.422	17.421	0.001	94	45040	0.1250	0.1274	
194 Dibenz(a,h)anthracene	278	17.437	17.424	0.013	83	39416	0.1250	0.1137	a
195 Benzo[g,h,i]perylene	276	17.984	17.986	-0.002	95	42337	0.1250	0.1220	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00508

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D

Injection Date: 12-Nov-2021 11:23:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 0.125

Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul

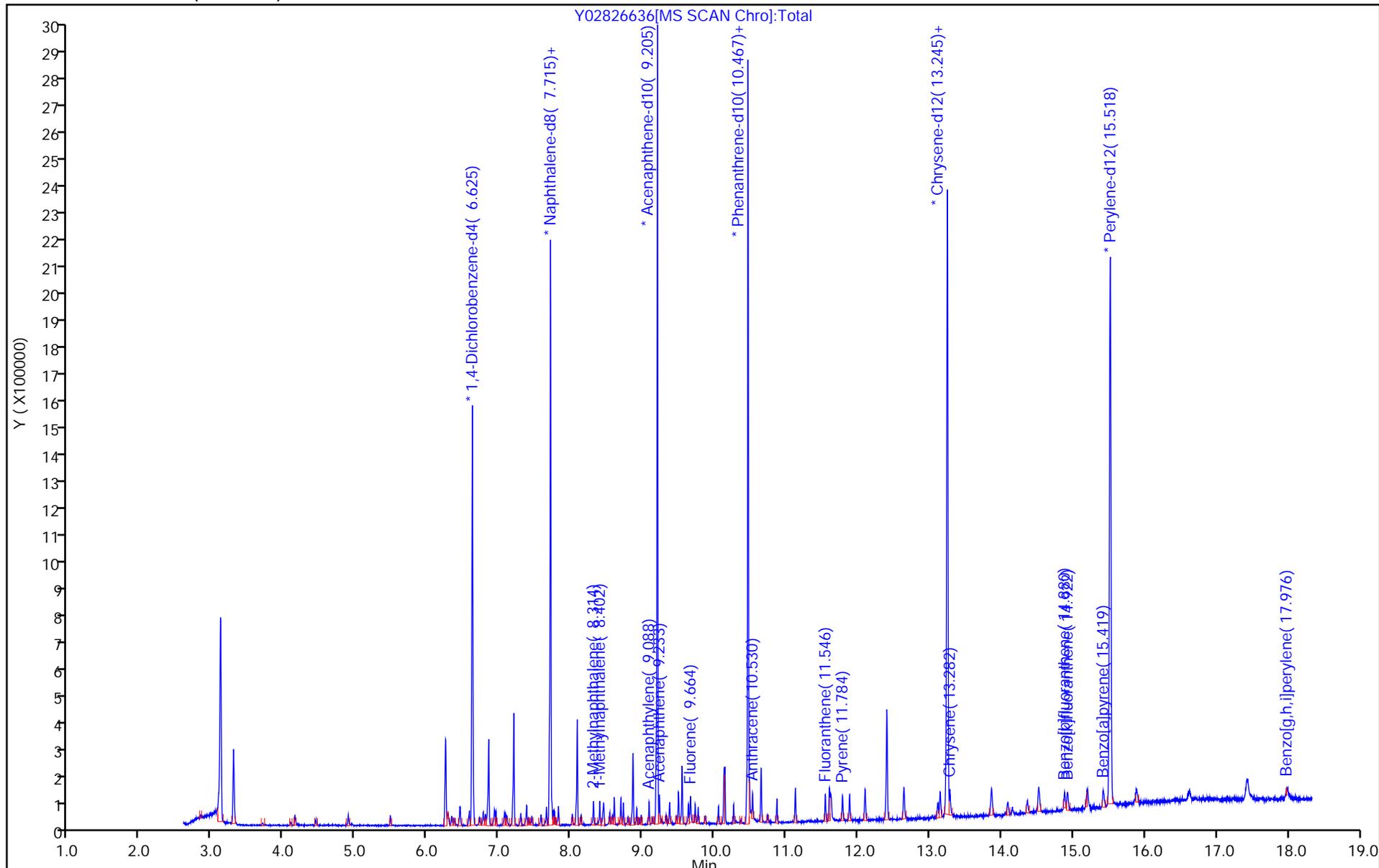
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

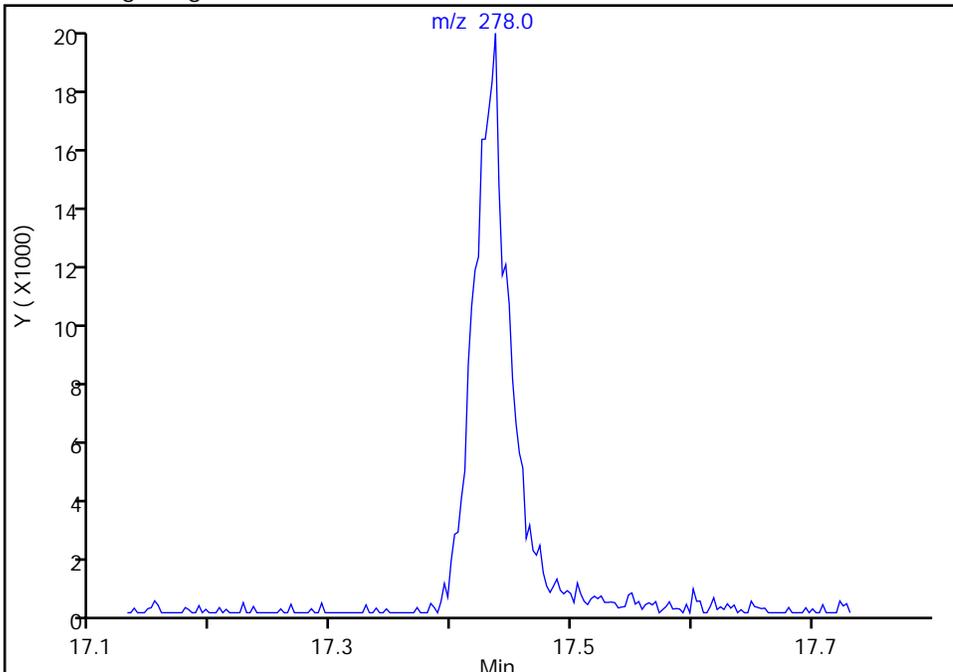
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D
Injection Date: 12-Nov-2021 11:23:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.125
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

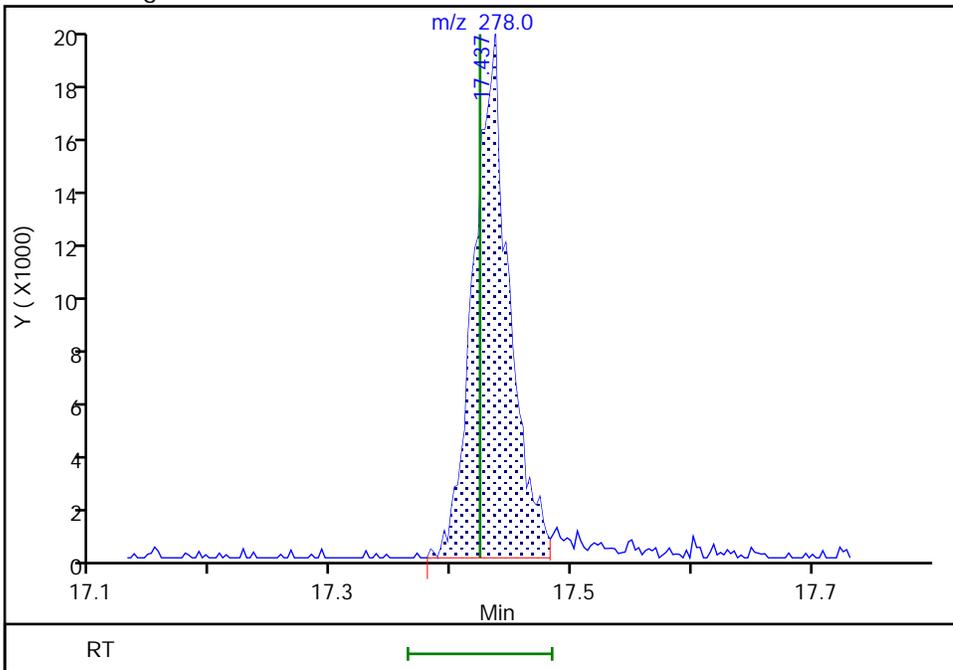
Not Detected
Expected RT: 17.42

Processing Integration Results



Manual Integration Results

RT: 17.44
Area: 39416
Amount: 0.113734
Amount Units: ng/uL



Reviewer: marshallj, 12-Nov-2021 15:20:58
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

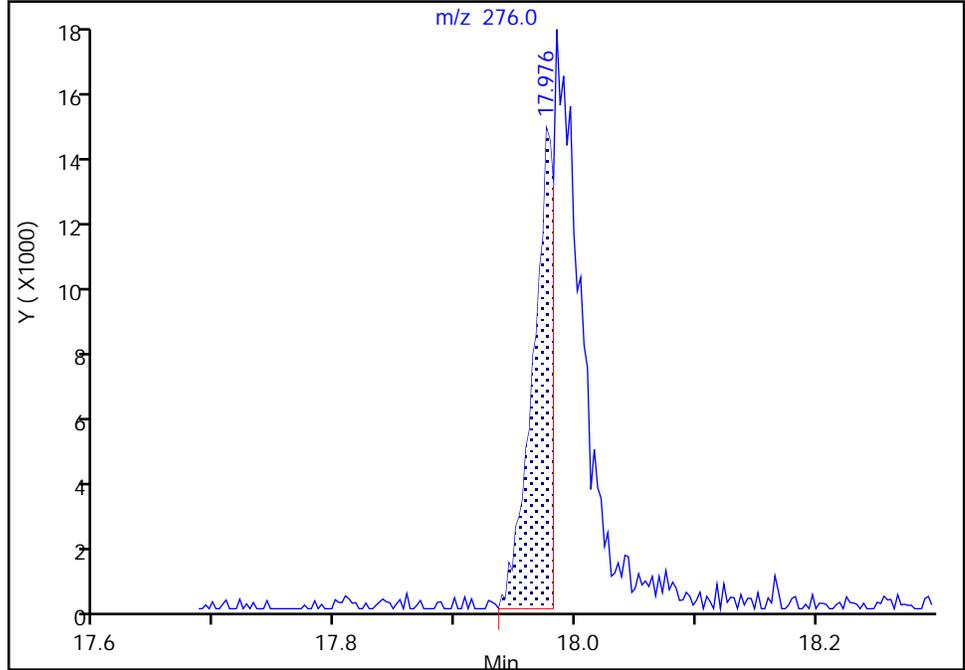
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826636.D
Injection Date: 12-Nov-2021 11:23:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.125
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

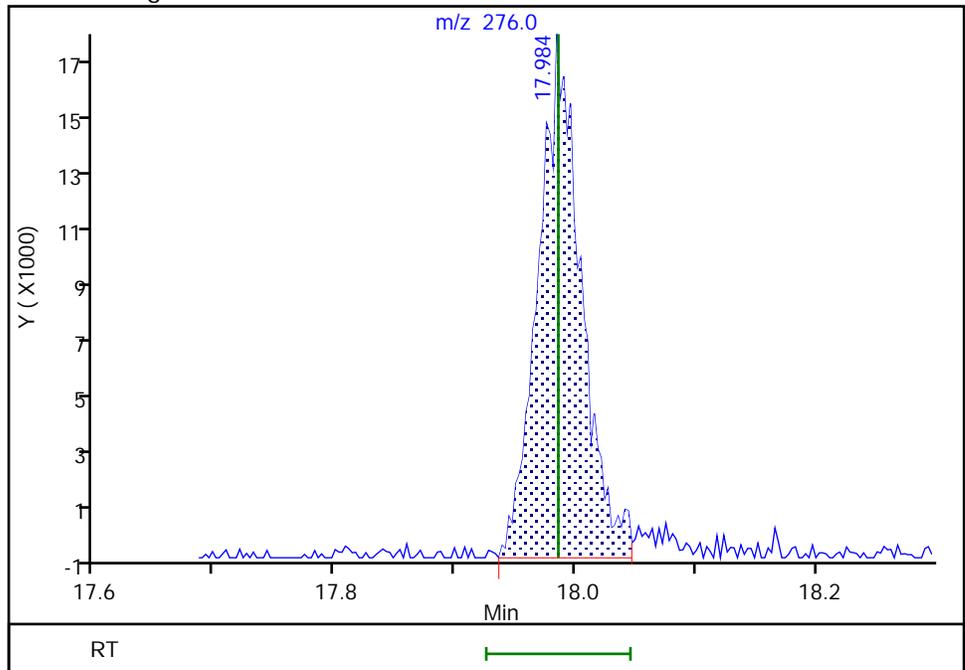
RT: 17.98
Area: 16886
Amount: 0.053437
Amount Units: ng/uL

Processing Integration Results



RT: 17.98
Area: 42337
Amount: 0.122039
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:21:21
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D
 Lims ID: IC - List 1 - 0.50
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 12-Nov-2021 11:50:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-004
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:23 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:16:24

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	6.625	6.624	0.001	93	304337	4.00	4.00	
* 2 Naphthalene-d8	136	7.717	7.716	0.001	99	1074791	4.00	4.00	
* 3 Acenaphthene-d10	164	9.207	9.206	0.001	91	650435	4.00	4.00	
* 4 Phenanthrene-d10	188	10.470	10.469	0.001	94	1168112	4.00	4.00	
* 5 Chrysene-d12	240	13.248	13.247	0.001	97	1173811	4.00	4.00	
* 6 Perylene-d12	264	15.518	15.517	0.001	99	1275012	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.481	5.480	0.001	89	40464	0.5000	0.4959	
\$ 8 Phenol-d5	99	6.278	6.280	-0.002	0	43532	0.5000	0.4634	
\$ 9 Nitrobenzene-d5	82	7.090	7.092	-0.002	87	44407	0.5000	0.5016	
\$ 10 2-Fluorobiphenyl	172	8.605	8.604	0.001	99	109472	0.5000	0.4966	
\$ 11 2,4,6-Tribromophenol	330	9.868	9.870	-0.002	87	19385	0.5000	0.5121	
\$ 12 p-Terphenyl-d14	244	11.883	11.882	0.001	96	155683	0.5000	0.5082	
13 1,4-Dioxane	88	3.696	3.698	-0.002	92	13356	0.5000	0.4770	
14 N-Nitrosodimethylamine	42	4.088	4.087	0.001	87	16629	0.5000	0.4983	
15 Pyridine	52	4.139	4.141	-0.002	96	33572	1.00	0.9345	
35 Benzaldehyde	77	6.250	6.249	0.001	46	57507	1.00	0.9815	a
37 Phenol	94	6.290	6.292	-0.002	96	47857	0.5000	0.4979	
36 Aniline	93	6.341	6.337	0.004	99	55881	0.5000	0.4755	
39 Bis(2-chloroethyl)ether	93	6.372	6.371	0.001	97	36295	0.5000	0.5337	
40 2-Chlorophenol	128	6.452	6.451	0.001	93	45126	0.5000	0.4826	
41 n-Decane	57	6.454	6.454	0.000	88	33226	0.5000	0.5279	
43 1,3-Dichlorobenzene	146	6.582	6.578	0.004	98	55542	0.5000	0.4932	
44 1,4-Dichlorobenzene	146	6.639	6.641	-0.002	95	56247	0.5000	0.4938	a
45 Benzyl alcohol	108	6.724	6.726	-0.002	94	24157	0.5000	0.5015	
46 1,2-Dichlorobenzene	146	6.775	6.777	-0.002	98	56332	0.5000	0.5183	
48 2-Methylphenol	108	6.806	6.808	-0.002	94	36681	0.5000	0.4749	
49 2,2'-oxybis[1-chloropropane]	45	6.829	6.831	-0.002	82	32960	0.5000	0.5039	
47 Indene	115	6.852	6.851	0.001	89	410135	2.50	2.57	
57 4-Methylphenol	108	6.931	6.930	0.001	96	38106	0.5000	0.4749	
53 N-Nitrosodi-n-propylamine	70	6.940	6.939	0.001	82	22834	0.5000	0.5059	
52 Acetophenone	105	6.954	6.953	0.001	96	56519	0.5000	0.5137	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.070	7.075	-0.005	89	21141	0.5000	0.5138	
59 Nitrobenzene	77	7.107	7.106	0.001	86	36721	0.5000	0.4845	
62 Isophorone	82	7.300	7.299	0.001	99	65227	0.5000	0.4988	
64 2-Nitrophenol	139	7.379	7.381	-0.002	89	23452	0.5000	0.5114	
66 2,4-Dimethylphenol	107	7.382	7.381	0.001	92	41390	0.5000	0.4961	
70 Benzoic acid	105	7.422	7.421	0.001	84	51066	2.50	3.51	
69 Bis(2-chloroethoxy)methane	93	7.456	7.455	0.001	97	42423	0.5000	0.5396	
72 2,4-Dichlorophenol	162	7.584	7.583	0.001	89	37843	0.5000	0.4733	
73 1,2,4-Trichlorobenzene	180	7.657	7.659	-0.002	92	47435	0.5000	0.5240	
74 Naphthalene	128	7.734	7.733	0.001	95	143547	0.5000	0.5278	
76 4-Chloroaniline	127	7.757	7.756	0.001	97	46321	0.5000	0.4813	
77 2,6-Dichlorophenol	162	7.771	7.770	0.001	96	39903	0.5000	0.4941	
79 Hexachlorobutadiene	225	7.825	7.827	-0.002	93	32089	0.5000	0.5136	
84 Caprolactam	113	8.024	8.023	0.001	85	20724	1.00	1.02	
85 4-Chloro-3-methylphenol	107	8.140	8.139	0.001	95	32647	0.5000	0.4778	
87 2-Methylnaphthalene	142	8.313	8.312	0.001	92	89507	0.5000	0.4710	
89 1-Methylnaphthalene	142	8.401	8.403	-0.002	91	88378	0.5000	0.5089	
90 Hexachlorocyclopentadiene	237	8.446	8.446	0.000	92	29447	0.5000	0.5216	
91 1,2,4,5-Tetrachlorobenzene	216	8.458	8.457	0.001	94	54718	0.5000	0.5186	
93 2,4,6-Trichlorophenol	196	8.540	8.539	0.001	90	28215	0.5000	0.5056	
94 2,4,5-Trichlorophenol	196	8.577	8.576	0.001	93	27608	0.5000	0.4966	
96 1,1'-Biphenyl	154	8.696	8.695	0.001	94	120654	0.5000	0.5219	
97 2-Chloronaphthalene	162	8.730	8.729	0.001	95	91234	0.5000	0.5225	
100 2-Nitroaniline	65	8.793	8.795	-0.002	91	14999	0.5000	0.4997	
105 Dimethyl phthalate	163	8.917	8.917	0.000	100	99436	0.5000	0.5131	
107 2,6-Dinitrotoluene	165	8.980	8.917	0.063	93	22074	0.5000	0.4893	
106 1,3-Dinitrobenzene	168	8.963	8.959	0.004	92	12092	0.5000	0.5094	
108 Acenaphthylene	152	9.088	9.087	0.001	97	143066	0.5000	0.5005	
109 3-Nitroaniline	138	9.136	9.135	0.001	91	19692	0.5000	0.4973	
111 2,4-Dinitrophenol	184	9.224	9.220	0.004	80	9205	1.00	1.07	
110 Acenaphthene	153	9.232	9.232	0.000	94	96761	0.5000	0.5086	
112 4-Nitrophenol	109	9.249	9.251	-0.002	81	14165	1.00	1.02	
114 2,4-Dinitrotoluene	165	9.326	9.325	0.001	94	26880	0.5000	0.4902	
115 Dibenzofuran	168	9.374	9.376	-0.002	97	137351	0.5000	0.5243	
118 2,3,4,6-Tetrachlorophenol	232	9.471	9.470	0.001	68	20960	0.5000	0.5161	
121 Hexadecane	57	9.496	9.495	0.001	98	39938	0.5000	0.5276	
120 Diethyl phthalate	149	9.502	9.501	0.001	98	103235	0.5000	0.5258	
123 4-Chlorophenyl phenyl ether	204	9.638	9.637	0.001	87	53214	0.5000	0.4902	
126 4-Nitroaniline	138	9.655	9.654	0.001	91	24778	0.5000	0.5053	
124 Fluorene	166	9.667	9.666	0.000	94	106842	0.5000	0.5212	
127 4,6-Dinitro-2-methylphenol	198	9.675	9.677	-0.002	94	23277	1.00	1.04	
130 N-Nitrosodiphenylamine	169	9.732	9.731	0.001	60	71547	0.5000	0.4878	
129 Diphenylamine	169	9.732	9.731	0.001	93	71547	0.4275	0.4171	
131 1,2-Diphenylhydrazine	77	9.772	9.774	-0.002	41	75153	0.5000	0.5081	
132 Azobenzene	77	9.772	9.774	-0.002	97	75153	0.5000	0.5081	
139 4-Bromophenyl phenyl ether	248	10.055	10.052	0.003	59	37290	0.5000	0.5029	
140 Hexachlorobenzene	284	10.143	10.142	0.001	89	46147	0.5000	0.4987	
143 Atrazine	200	10.146	10.148	-0.002	94	63814	1.00	1.04	
148 n-Octadecane	57	10.268	10.267	0.001	96	39267	0.5000	0.5049	
145 Pentachlorophenol	266	10.296	10.296	0.000	92	17402	1.00	1.05	
151 Phenanthrene	178	10.487	10.489	-0.002	95	156289	0.5000	0.5142	
152 Anthracene	178	10.532	10.531	0.001	96	149766	0.5000	0.4977	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.648	10.647	0.001	96	120755	0.5000	0.4681	
157 Di-n-butyl phthalate	149	10.870	10.869	0.001	99	166153	0.5000	0.5042	
164 Fluoranthene	202	11.545	11.544	0.001	97	166711	0.5000	0.4936	
166 Benzidine	184	11.627	11.626	0.001	98	178416	1.00	1.03	
167 Pyrene	202	11.786	11.785	0.001	97	176496	0.5000	0.4976	
174 Butyl benzyl phthalate	149	12.388	12.390	-0.002	94	69365	0.5000	0.4683	
181 Bis(2-ethylhexyl) phthalate	149	13.114	13.111	0.003	93	96046	0.5000	0.4549	
179 3,3'-Dichlorobenzidine	252	13.148	13.145	0.003	72	137739	1.00	0.9511	
180 Benzo[a]anthracene	228	13.231	13.230	0.001	96	176853	0.5000	0.4981	
182 Chrysene	228	13.282	13.281	0.001	95	175663	0.5000	0.5197	
184 Di-n-octyl phthalate	149	14.090	14.087	0.003	98	156821	0.5000	0.5021	
186 Benzo[b]fluoranthene	252	14.879	14.878	0.001	96	178364	0.5000	0.4844	
187 Benzo[k]fluoranthene	252	14.922	14.918	0.004	98	185240	0.5000	0.4963	
189 Benzo[a]pyrene	252	15.421	15.420	0.001	76	170267	0.5000	0.4841	
193 Indeno[1,2,3-cd]pyrene	276	17.416	17.421	-0.005	96	193213	0.5000	0.4659	
194 Dibenz(a,h)anthracene	278	17.427	17.424	0.003	90	175600	0.5000	0.4765	a
195 Benzo[g,h,i]perylene	276	17.989	17.986	0.003	96	172364	0.5000	0.4672	
S 261 Total Cresols	1				0			0.9498	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00509

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826637.D

Injection Date: 12-Nov-2021 11:50:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 0.50

Worklist Smp#: 4

Client ID:

Injection Vol: 2.0 ul

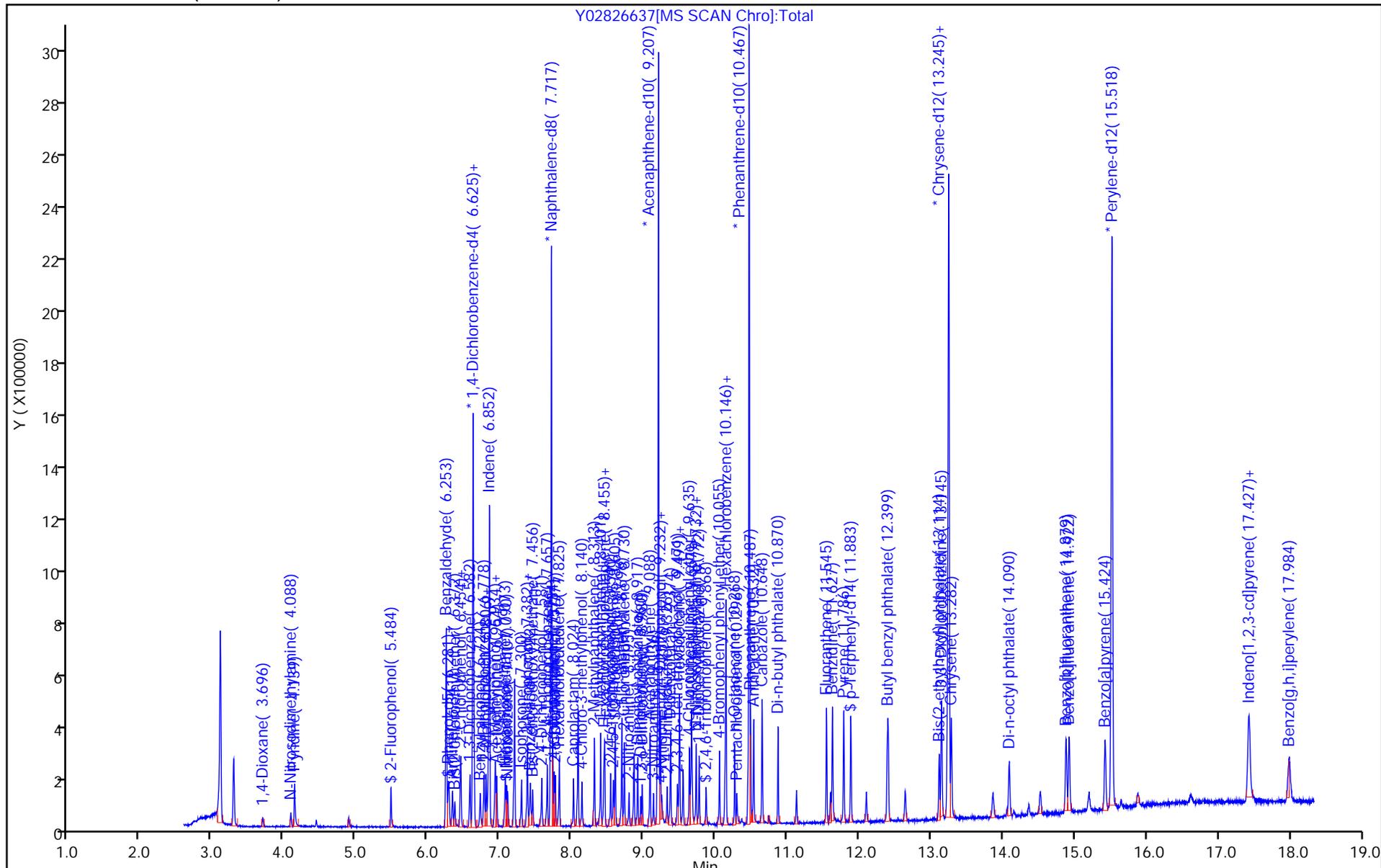
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

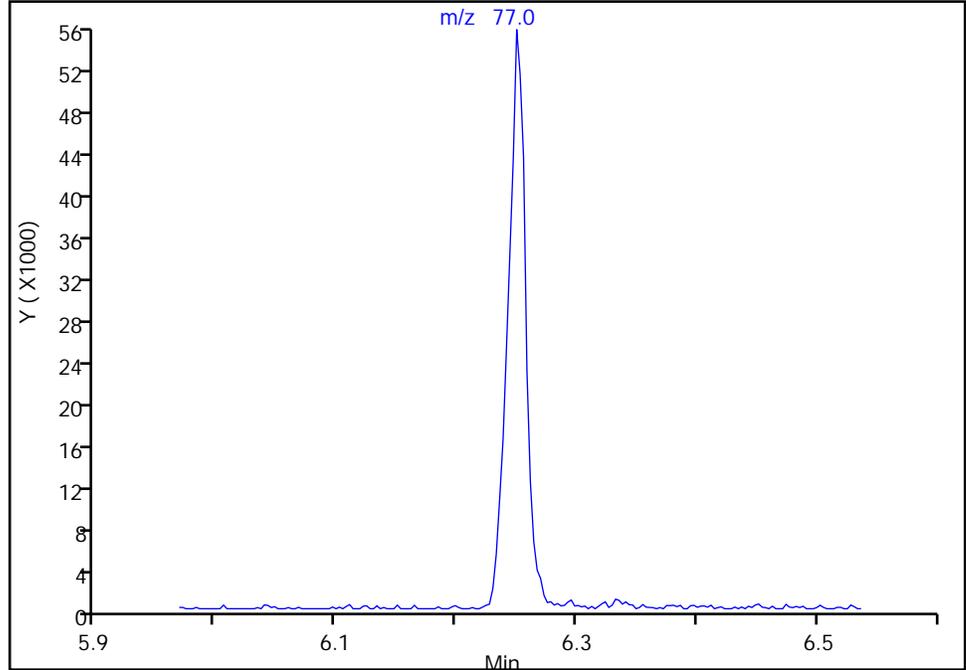
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Injection Date: 12-Nov-2021 11:50:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

35 Benzaldehyde, CAS: 100-52-7

Signal: 1

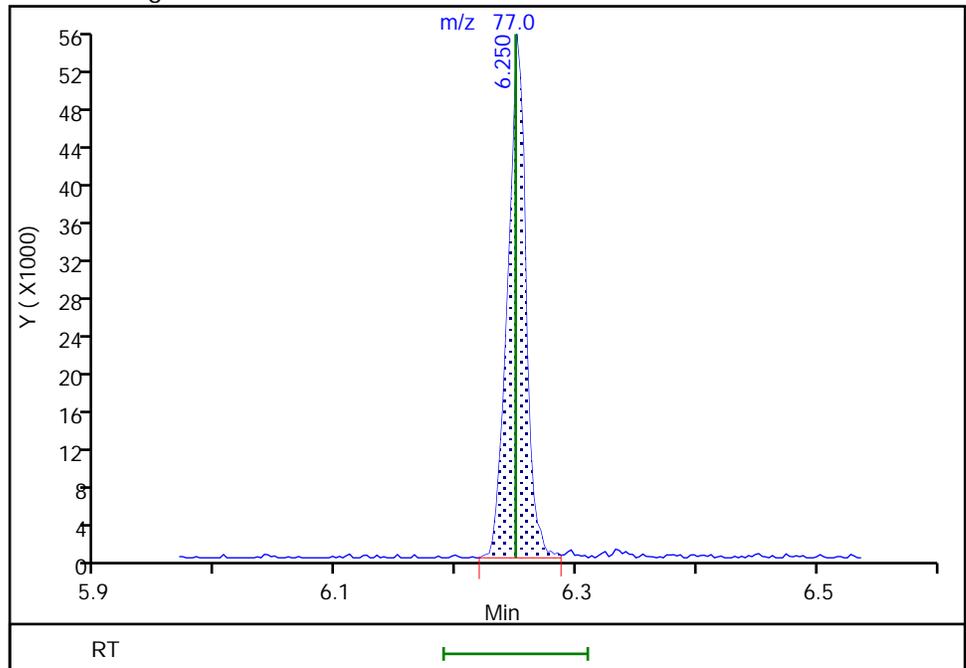
Not Detected
Expected RT: 6.25

Processing Integration Results



Manual Integration Results

RT: 6.25
Area: 57507
Amount: 0.981506
Amount Units: ng/uL



Eurofins TestAmerica, Buffalo

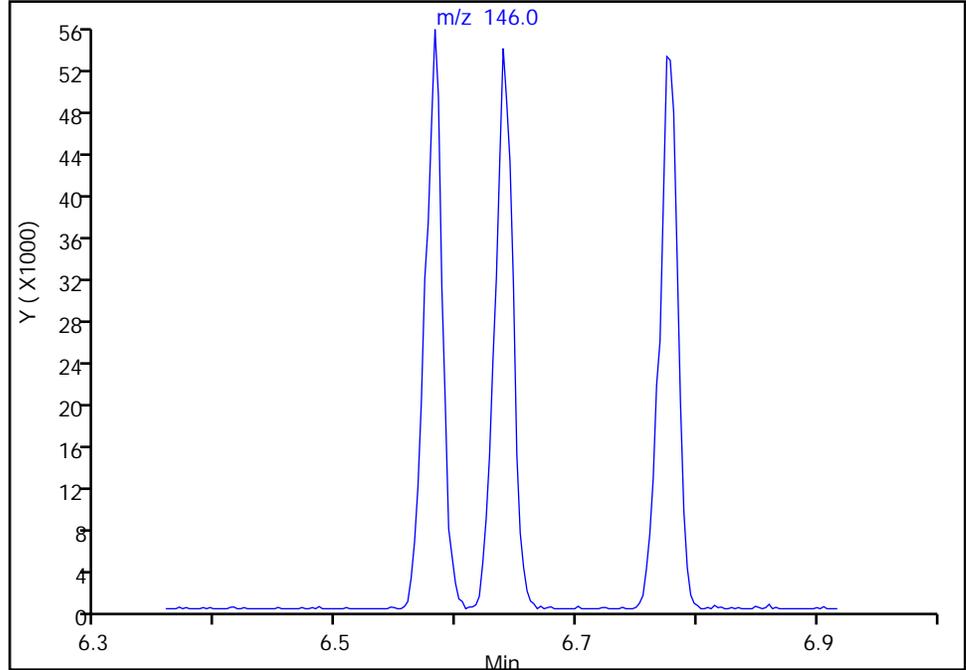
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Injection Date: 12-Nov-2021 11:50:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

44 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

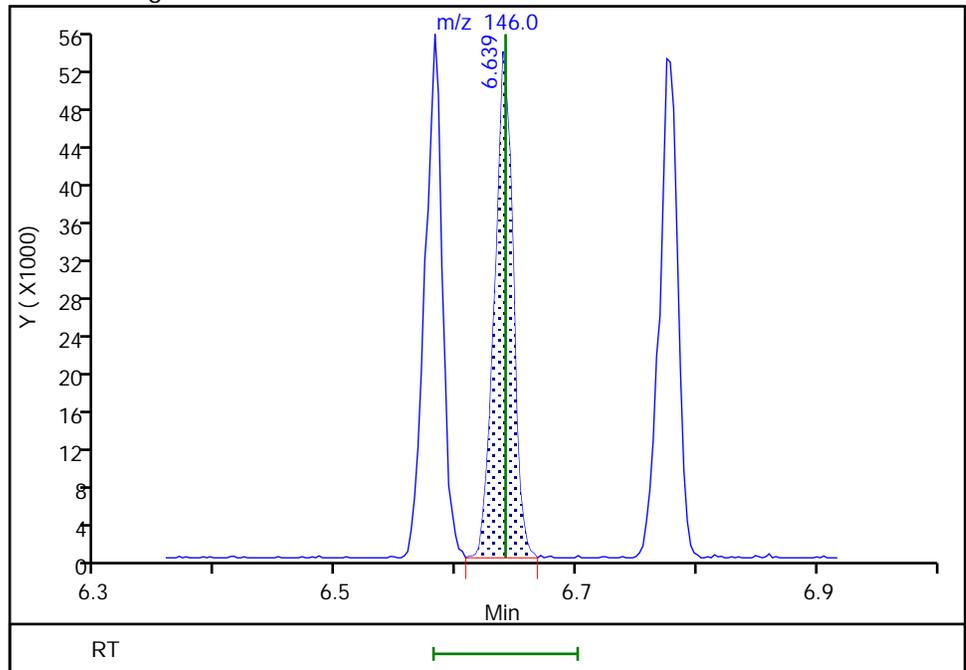
Not Detected
Expected RT: 6.64

Processing Integration Results



RT: 6.64
Area: 56247
Amount: 0.493756
Amount Units: ng/uL

Manual Integration Results



Eurofins TestAmerica, Buffalo

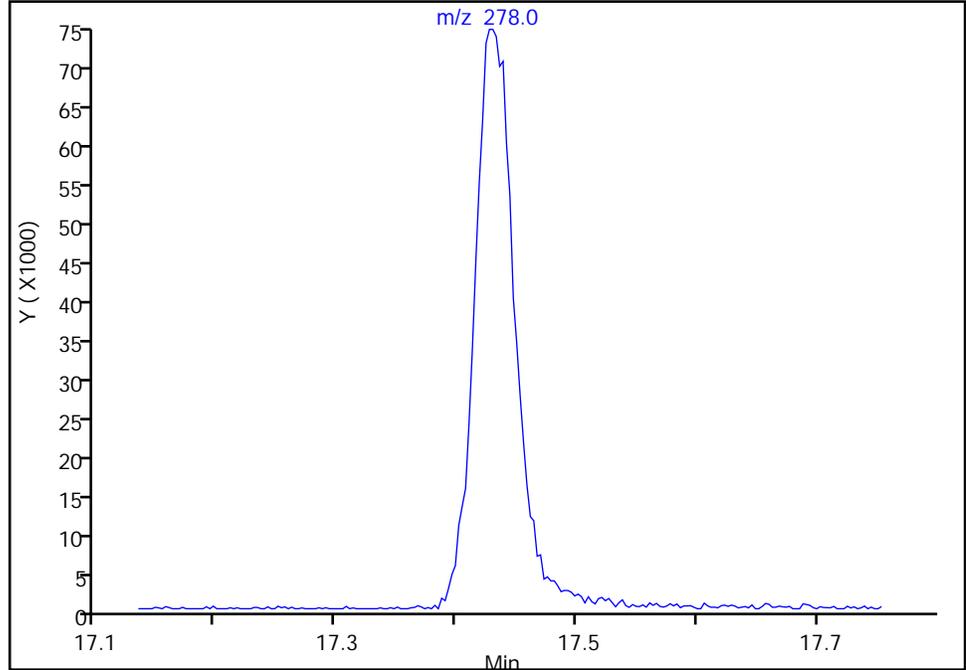
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Injection Date: 12-Nov-2021 11:50:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 0.50
Client ID:
Operator ID: JM ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

194 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

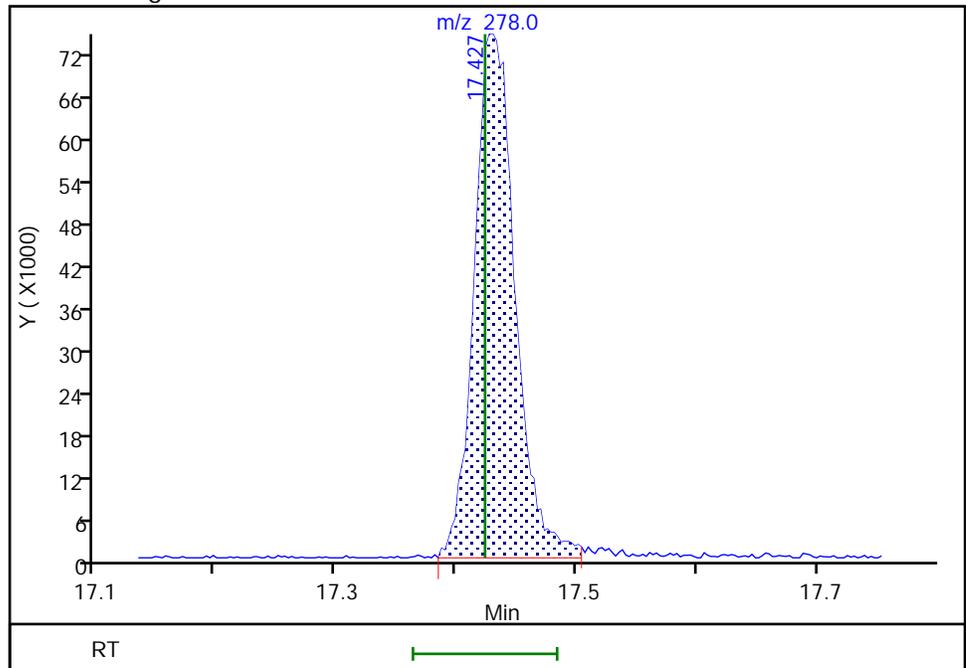
Not Detected
Expected RT: 17.42

Processing Integration Results



Manual Integration Results

RT: 17.43
Area: 175600
Amount: 0.476468
Amount Units: ng/uL



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826638.D
 Lims ID: IC - List 1 - 1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 12-Nov-2021 12:17:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-005
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:32 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:26:40

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.624	0.002	92	307771	4.00	4.00	
* 2 Naphthalene-d8	136	7.716	7.716	0.000	98	1082140	4.00	4.00	
* 3 Acenaphthene-d10	164	9.206	9.206	0.000	91	631835	4.00	4.00	
* 4 Phenanthrene-d10	188	10.469	10.469	0.000	94	1144410	4.00	4.00	
* 5 Chrysene-d12	240	13.247	13.247	0.000	97	1123662	4.00	4.00	
* 6 Perylene-d12	264	15.514	15.517	-0.003	98	1226787	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.480	5.480	0.000	90	79019	1.00	0.9576	
\$ 8 Phenol-d5	99	6.277	6.280	-0.003	0	95561	1.00	1.01	
\$ 9 Nitrobenzene-d5	82	7.092	7.092	0.000	86	89536	1.00	1.00	
\$ 10 2-Fluorobiphenyl	172	8.604	8.604	0.000	98	214126	1.00	1.00	
\$ 11 2,4,6-Tribromophenol	330	9.870	9.870	0.000	89	40421	1.00	0.9712	
\$ 12 p-Terphenyl-d14	244	11.882	11.882	0.000	96	299788	1.00	1.02	
13 1,4-Dioxane	88	3.698	3.698	0.000	89	28071	1.00	0.99	
14 N-Nitrosodimethylamine	42	4.090	4.087	0.003	91	33198	1.00	0.9836	
15 Pyridine	52	4.135	4.141	-0.006	95	70839	2.00	1.95	
35 Benzaldehyde	77	6.252	6.249	0.003	93	110960	2.00	1.98	
37 Phenol	94	6.292	6.292	0.000	98	93705	1.00	0.9640	
36 Aniline	93	6.340	6.337	0.003	98	116106	1.00	0.9769	
39 Bis(2-chloroethyl)ether	93	6.368	6.371	-0.003	95	70414	1.00	1.02	
40 2-Chlorophenol	128	6.453	6.451	0.002	94	90943	1.00	0.9618	
41 n-Decane	57	6.456	6.454	0.002	87	61985	1.00	0.9739	
43 1,3-Dichlorobenzene	146	6.584	6.578	0.006	97	115748	1.00	1.02	
44 1,4-Dichlorobenzene	146	6.641	6.641	0.000	97	116906	1.00	1.01	
45 Benzyl alcohol	108	6.726	6.726	0.000	95	49893	1.00	0.9746	
46 1,2-Dichlorobenzene	146	6.777	6.777	0.000	98	112427	1.00	1.02	
48 2-Methylphenol	108	6.808	6.808	0.000	92	78686	1.00	1.01	
49 2,2'-oxybis[1-chloropropane]	45	6.828	6.831	-0.003	85	68420	1.00	1.03	
47 Indene	115	6.853	6.851	0.002	94	812008	5.00	5.04	
57 4-Methylphenol	108	6.930	6.930	0.000	97	78658	1.00	0.9693	
53 N-Nitrosodi-n-propylamine	70	6.939	6.939	0.000	84	46200	1.00	1.01	
52 Acetophenone	105	6.953	6.953	0.000	94	112263	1.00	1.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.072	7.075	-0.003	89	41269	1.00	0.99	
59 Nitrobenzene	77	7.109	7.106	0.003	85	78646	1.00	1.03	
62 Isophorone	82	7.299	7.299	0.000	98	129733	1.00	0.9778	
64 2-Nitrophenol	139	7.378	7.381	-0.003	72	46652	1.00	0.9596	
66 2,4-Dimethylphenol	107	7.381	7.381	0.000	91	84648	1.00	1.02	
70 Benzoic acid	105	7.432	7.421	0.011	85	148173	5.00	5.19	
69 Bis(2-chloroethoxy)methane	93	7.455	7.455	0.000	97	73048	1.00	0.9228	
72 2,4-Dichlorophenol	162	7.580	7.583	-0.003	89	79006	1.00	0.9813	
73 1,2,4-Trichlorobenzene	180	7.659	7.659	0.000	94	92274	1.00	1.01	
74 Naphthalene	128	7.733	7.733	0.000	97	275646	1.00	1.01	
76 4-Chloroaniline	127	7.756	7.756	0.000	96	95896	1.00	0.9896	
77 2,6-Dichlorophenol	162	7.770	7.770	0.000	97	75904	1.00	0.9335	
79 Hexachlorobutadiene	225	7.827	7.827	0.000	92	59339	1.00	0.9432	
84 Caprolactam	113	8.028	8.023	0.005	85	44086	2.00	1.97	
85 4-Chloro-3-methylphenol	107	8.139	8.139	0.000	93	63002	1.00	0.9159	
87 2-Methylnaphthalene	142	8.315	8.312	0.003	92	191300	1.00	1.00	
89 1-Methylnaphthalene	142	8.400	8.403	-0.003	92	173533	1.00	0.99	
90 Hexachlorocyclopentadiene	237	8.448	8.446	0.002	93	56238	1.00	0.9115	
91 1,2,4,5-Tetrachlorobenzene	216	8.457	8.457	0.000	95	101275	1.00	0.9882	
93 2,4,6-Trichlorophenol	196	8.539	8.539	0.000	88	57372	1.00	0.9707	
94 2,4,5-Trichlorophenol	196	8.576	8.576	0.000	96	59004	1.00	1.00	
96 1,1'-Biphenyl	154	8.695	8.695	0.000	95	226994	1.00	1.01	
97 2-Chloronaphthalene	162	8.732	8.729	0.003	94	168258	1.00	0.99	
100 2-Nitroaniline	65	8.794	8.795	-0.001	91	32001	1.00	0.9639	
105 Dimethyl phthalate	163	8.916	8.917	-0.001	99	183108	1.00	0.9726	
107 2,6-Dinitrotoluene	165	8.979	8.917	0.062	92	46684	1.00	1.05	
106 1,3-Dinitrobenzene	168	8.959	8.959	0.000	94	26822	1.00	0.9609	
108 Acenaphthylene	152	9.090	9.087	0.003	97	285598	1.00	1.03	
109 3-Nitroaniline	138	9.138	9.135	0.003	94	41265	1.00	0.9704	
111 2,4-Dinitrophenol	184	9.220	9.220	0.000	81	29540	2.00	1.81	
110 Acenaphthene	153	9.234	9.232	0.002	92	188591	1.00	1.02	
112 4-Nitrophenol	109	9.251	9.251	0.000	85	35293	2.00	1.91	
114 2,4-Dinitrotoluene	165	9.325	9.325	0.000	93	59962	1.00	1.03	
115 Dibenzofuran	168	9.373	9.376	-0.003	96	254997	1.00	1.00	
118 2,3,4,6-Tetrachlorophenol	232	9.470	9.470	0.000	68	44568	1.00	0.9529	
121 Hexadecane	57	9.495	9.495	0.000	97	72163	1.00	0.9814	
120 Diethyl phthalate	149	9.501	9.501	0.000	99	195262	1.00	1.02	
123 4-Chlorophenyl phenyl ether	204	9.637	9.637	0.000	85	106584	1.00	1.01	
126 4-Nitroaniline	138	9.654	9.654	0.000	90	46824	1.00	0.9761	
124 Fluorene	166	9.666	9.666	0.000	94	190836	1.00	0.9583	
127 4,6-Dinitro-2-methylphenol	198	9.677	9.677	0.000	92	53097	2.00	1.87	
130 N-Nitrosodiphenylamine	169	9.731	9.731	0.000	63	143494	1.00	1.00	
129 Diphenylamine	169	9.731	9.731	0.000	91	143494	0.8550	0.8538	
131 1,2-Diphenylhydrazine	77	9.771	9.774	-0.003	41	144731	1.00	1.00	
132 Azobenzene	77	9.771	9.774	-0.003	97	144731	1.00	1.00	
139 4-Bromophenyl phenyl ether	248	10.054	10.052	0.002	58	69696	1.00	0.9594	
140 Hexachlorobenzene	284	10.142	10.142	0.000	94	87981	1.00	0.9704	
143 Atrazine	200	10.148	10.148	0.000	95	121381	2.00	2.04	
148 n-Octadecane	57	10.267	10.267	0.000	96	75159	1.00	0.9864	
145 Pentachlorophenol	266	10.295	10.296	-0.001	94	54175	2.00	1.88	
151 Phenanthrene	178	10.488	10.489	-0.001	95	296976	1.00	1.00	
152 Anthracene	178	10.531	10.531	0.000	95	302401	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.647	10.647	0.000	96	263008	1.00	1.04	
157 Di-n-butyl phthalate	149	10.869	10.869	0.000	99	321106	1.00	0.99	
164 Fluoranthene	202	11.547	11.544	0.003	97	339739	1.00	1.03	
166 Benzidine	184	11.626	11.626	0.000	98	341595	2.00	2.06	
167 Pyrene	202	11.785	11.785	0.000	98	354305	1.00	1.04	
174 Butyl benzyl phthalate	149	12.390	12.390	0.000	94	145950	1.00	1.03	
181 Bis(2-ethylhexyl) phthalate	149	13.113	13.111	0.002	93	198249	1.00	0.9808	
179 3,3'-Dichlorobenzidine	252	13.147	13.145	0.002	72	274452	2.00	1.98	
180 Benzo[a]anthracene	228	13.227	13.230	-0.003	96	348361	1.00	1.02	
182 Chrysene	228	13.283	13.281	0.002	96	330152	1.00	1.02	
184 Di-n-octyl phthalate	149	14.087	14.087	0.000	98	324184	1.00	1.00	
186 Benzo[b]fluoranthene	252	14.881	14.878	0.003	96	358299	1.00	1.01	
187 Benzo[k]fluoranthene	252	14.924	14.918	0.006	97	354292	1.00	0.9865	
189 Benzo[a]pyrene	252	15.423	15.420	0.003	76	337470	1.00	1.00	
193 Indeno[1,2,3-cd]pyrene	276	17.415	17.421	-0.006	96	398941	1.00	0.9816	a
194 Dibenz(a,h)anthracene	278	17.429	17.424	0.005	90	342939	1.00	0.9671	
195 Benzo[g,h,i]perylene	276	17.985	17.986	-0.001	97	349461	1.00	0.9845	
S 261 Total Cresols	1				0			1.98	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00510

Amount Added: 1.00

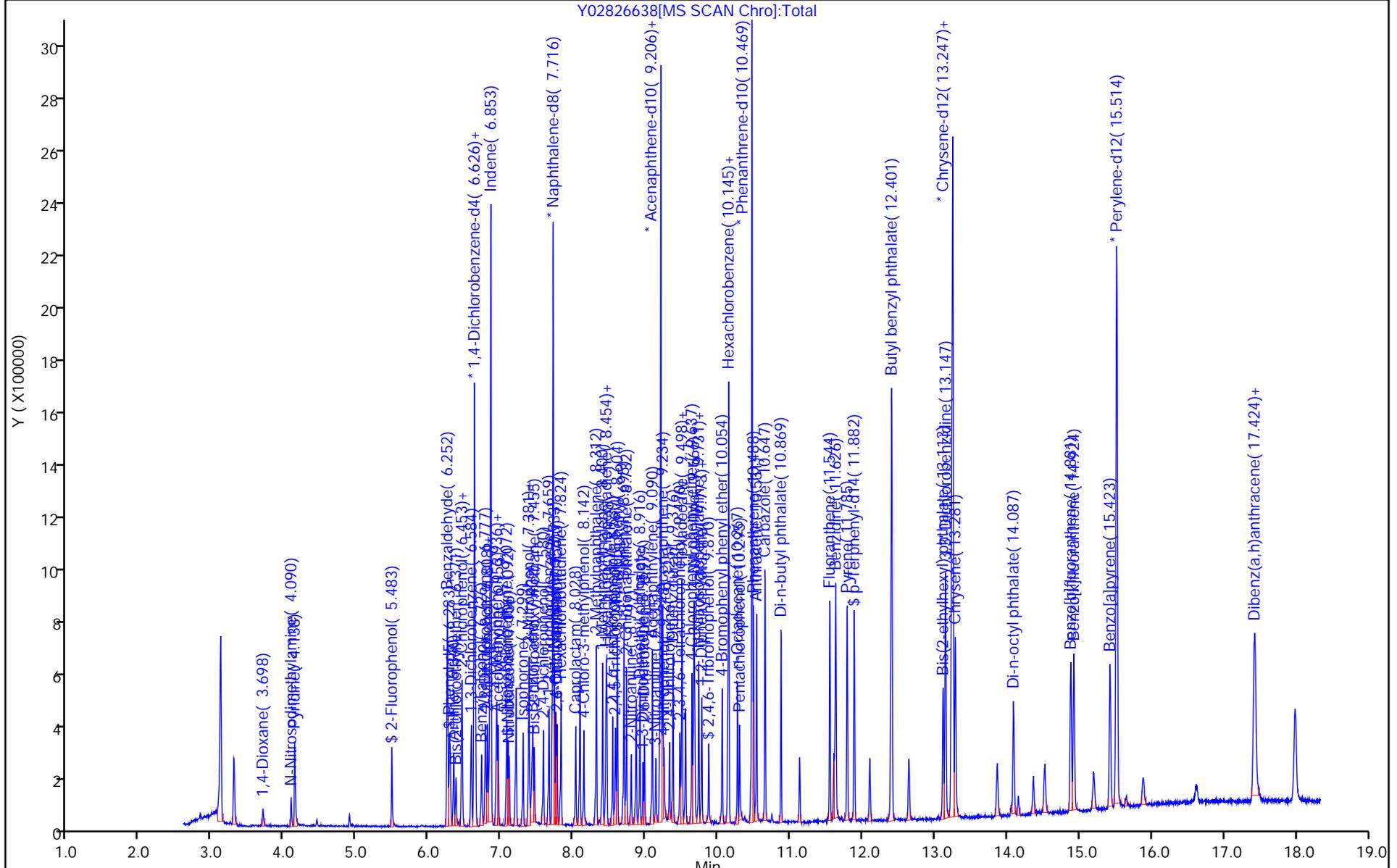
Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo

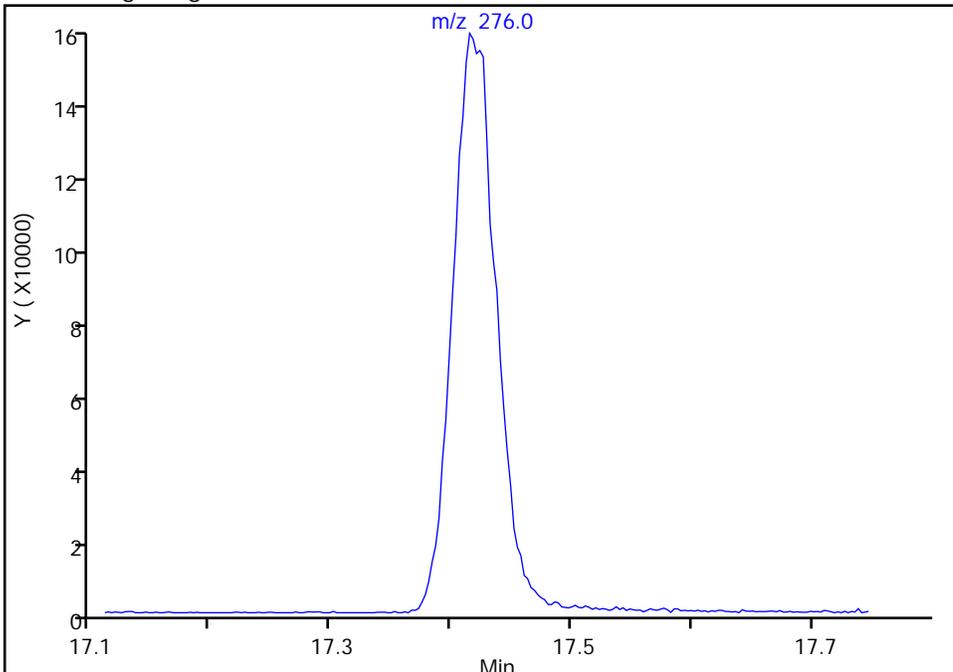
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826638.D
Injection Date: 12-Nov-2021 12:17:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 1
Client ID:
Operator ID: JM ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

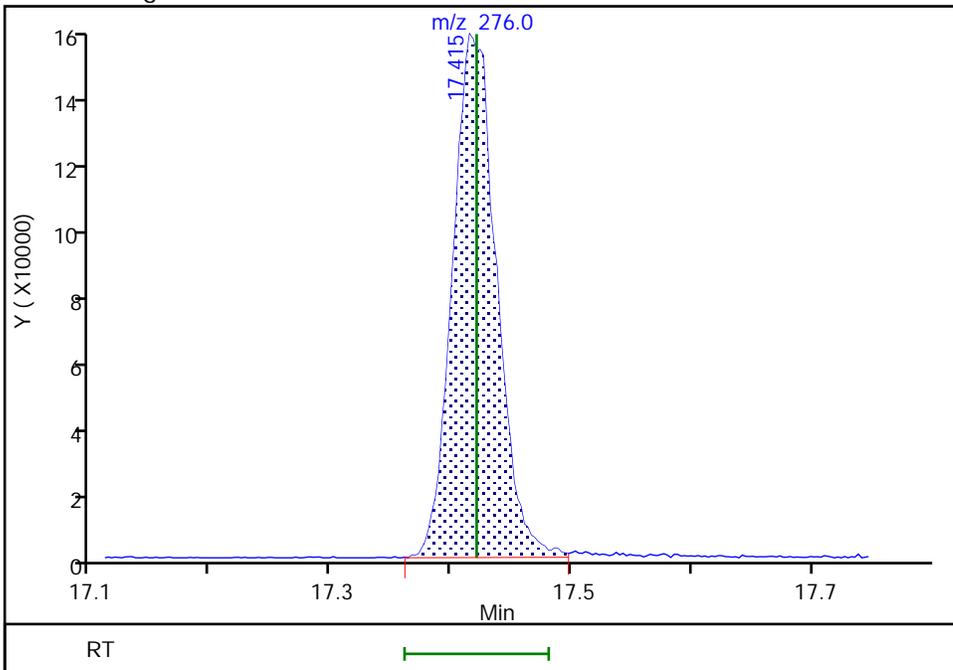
Not Detected
Expected RT: 17.42

Processing Integration Results



Manual Integration Results

RT: 17.42
Area: 398941
Amount: 0.981590
Amount Units: ng/uL



Reviewer: marshallj, 12-Nov-2021 15:26:34
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826639.D
 Lims ID: IC - List 1 - 2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 12-Nov-2021 12:44:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-006
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:41 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:28:59

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.626	6.624	0.002	93	307191	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.716	-0.001	98	1115812	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.206	-0.001	93	663332	4.00	4.00	
* 4 Phenanthrene-d10	188	10.468	10.469	-0.001	94	1220551	4.00	4.00	
* 5 Chrysene-d12	240	13.249	13.247	0.002	97	1200028	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.517	0.002	98	1312390	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.479	5.480	-0.001	89	161144	2.00	1.96	
\$ 8 Phenol-d5	99	6.279	6.280	-0.001	0	188920	2.00	1.99	
\$ 9 Nitrobenzene-d5	82	7.094	7.092	0.002	86	180946	2.00	1.97	
\$ 10 2-Fluorobiphenyl	172	8.603	8.604	-0.001	99	468639	2.00	2.08	
\$ 11 2,4,6-Tribromophenol	330	9.869	9.870	-0.001	90	90137	2.00	1.92	
\$ 12 p-Terphenyl-d14	244	11.884	11.882	0.002	96	637984	2.00	2.04	
13 1,4-Dioxane	88	3.692	3.698	-0.006	91	58935	2.00	2.09	
14 N-Nitrosodimethylamine	42	4.080	4.087	-0.007	91	66419	2.00	1.97	
15 Pyridine	52	4.129	4.141	-0.013	97	149826	4.00	4.13	
35 Benzaldehyde	77	6.251	6.249	0.002	94	239417	4.00	4.41	
37 Phenol	94	6.291	6.292	-0.001	99	198998	2.00	2.05	
36 Aniline	93	6.339	6.337	0.002	99	241221	2.00	2.03	
39 Bis(2-chloroethyl)ether	93	6.370	6.371	-0.001	99	141168	2.00	2.06	
40 2-Chlorophenol	128	6.450	6.451	-0.001	94	194108	2.00	2.06	
41 n-Decane	57	6.453	6.454	-0.002	87	127894	2.00	2.01	
43 1,3-Dichlorobenzene	146	6.580	6.578	0.002	97	234904	2.00	2.07	
44 1,4-Dichlorobenzene	146	6.640	6.641	-0.001	95	231755	2.00	2.02	
45 Benzyl alcohol	108	6.722	6.726	-0.004	95	107584	2.00	2.05	
46 1,2-Dichlorobenzene	146	6.776	6.777	-0.001	98	218376	2.00	1.99	
48 2-Methylphenol	108	6.807	6.808	-0.001	94	156809	2.00	2.01	
49 2,2'-oxybis[1-chloropropane]	45	6.830	6.831	-0.001	86	133726	2.00	2.03	
47 Indene	115	6.853	6.851	0.002	87	1687335	10.0	10.5	
57 4-Methylphenol	108	6.929	6.930	-0.001	97	164305	2.00	2.03	
53 N-Nitrosodi-n-propylamine	70	6.938	6.939	-0.001	84	101267	2.00	2.22	
52 Acetophenone	105	6.955	6.953	0.002	96	234788	2.00	2.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.071	7.075	-0.004	89	81542	2.00	1.96	
59 Nitrobenzene	77	7.108	7.106	0.002	85	161634	2.00	2.05	
62 Isophorone	82	7.301	7.299	0.002	99	287786	2.00	2.09	
64 2-Nitrophenol	139	7.380	7.381	-0.001	89	101670	2.00	1.97	
66 2,4-Dimethylphenol	107	7.383	7.381	0.002	93	163648	2.00	1.93	
70 Benzoic acid	105	7.454	7.421	0.033	87	404572	10.0	9.42	M
69 Bis(2-chloroethoxy)methane	93	7.454	7.455	-0.001	98	152652	2.00	1.87	
72 2,4-Dichlorophenol	162	7.582	7.583	-0.001	89	167658	2.00	2.02	
73 1,2,4-Trichlorobenzene	180	7.658	7.659	-0.001	94	188925	2.00	2.01	
74 Naphthalene	128	7.735	7.733	0.002	97	562924	2.00	2.01	
76 4-Chloroaniline	127	7.755	7.756	-0.001	97	208883	2.00	2.09	
77 2,6-Dichlorophenol	162	7.772	7.770	0.002	94	169936	2.00	2.03	
79 Hexachlorobutadiene	225	7.826	7.827	-0.001	93	129516	2.00	2.00	
84 Caprolactam	113	8.039	8.023	0.016	85	93119	4.00	3.86	
85 4-Chloro-3-methylphenol	107	8.141	8.139	0.002	94	141560	2.00	2.00	
87 2-Methylnaphthalene	142	8.314	8.312	0.002	97	408819	2.00	2.07	
89 1-Methylnaphthalene	142	8.402	8.403	-0.001	92	376854	2.00	2.09	
90 Hexachlorocyclopentadiene	237	8.447	8.446	0.001	92	139372	2.00	1.99	
91 1,2,4,5-Tetrachlorobenzene	216	8.459	8.457	0.002	95	222558	2.00	2.07	
93 2,4,6-Trichlorophenol	196	8.541	8.539	0.002	88	132830	2.00	2.04	
94 2,4,5-Trichlorophenol	196	8.578	8.576	0.002	95	134056	2.00	2.06	
96 1,1'-Biphenyl	154	8.697	8.695	0.002	94	499750	2.00	2.12	
97 2-Chloronaphthalene	162	8.731	8.729	0.002	95	367219	2.00	2.06	
100 2-Nitroaniline	65	8.796	8.795	0.001	91	80359	2.00	2.15	
105 Dimethyl phthalate	163	8.918	8.917	0.001	99	416240	2.00	2.11	
107 2,6-Dinitrotoluene	165	8.981	8.917	0.064	94	95240	2.00	2.02	
106 1,3-Dinitrobenzene	168	8.961	8.959	0.002	96	62715	2.00	2.01	
108 Acenaphthylene	152	9.089	9.087	0.002	97	597228	2.00	2.05	
109 3-Nitroaniline	138	9.137	9.135	0.002	92	102674	2.00	2.18	
111 2,4-Dinitrophenol	184	9.222	9.220	0.002	81	84043	4.00	3.62	
110 Acenaphthene	153	9.233	9.232	0.001	94	405404	2.00	2.09	
112 4-Nitrophenol	109	9.250	9.251	-0.001	83	90073	4.00	4.00	
114 2,4-Dinitrotoluene	165	9.327	9.325	0.002	94	127120	2.00	2.02	
115 Dibenzofuran	168	9.375	9.376	-0.001	96	550758	2.00	2.06	
118 2,3,4,6-Tetrachlorophenol	232	9.469	9.470	-0.001	69	102939	2.00	1.92	
121 Hexadecane	57	9.497	9.495	0.002	97	157600	2.00	2.04	
120 Diethyl phthalate	149	9.503	9.501	0.002	99	416229	2.00	2.08	
123 4-Chlorophenyl phenyl ether	204	9.636	9.637	-0.001	86	225335	2.00	2.04	
126 4-Nitroaniline	138	9.656	9.654	0.002	91	100540	2.00	1.99	
124 Fluorene	166	9.668	9.666	0.002	95	435082	2.00	2.08	
127 4,6-Dinitro-2-methylphenol	198	9.679	9.677	0.002	95	130735	4.00	3.78	
130 N-Nitrosodiphenylamine	169	9.730	9.731	-0.001	61	314673	2.00	2.05	
129 Diphenylamine	169	9.730	9.731	-0.001	93	314673	1.71	1.76	
131 1,2-Diphenylhydrazine	77	9.773	9.774	-0.002	41	316438	2.00	2.05	
132 Azobenzene	77	9.773	9.774	-0.002	97	316438	2.00	2.05	
139 4-Bromophenyl phenyl ether	248	10.056	10.052	0.004	58	156927	2.00	2.03	
140 Hexachlorobenzene	284	10.144	10.142	0.002	96	195108	2.00	2.02	
143 Atrazine	200	10.147	10.148	-0.001	95	258198	4.00	4.14	
148 n-Octadecane	57	10.269	10.267	0.002	95	164408	2.00	2.02	
145 Pentachlorophenol	266	10.297	10.296	0.001	95	146311	4.00	3.73	
151 Phenanthrene	178	10.488	10.489	-0.001	95	649481	2.00	2.05	
152 Anthracene	178	10.530	10.531	-0.001	95	651790	2.00	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.649	10.647	0.002	96	545363	2.00	2.02	
157 Di-n-butyl phthalate	149	10.871	10.869	0.002	99	696360	2.00	2.02	
164 Fluoranthene	202	11.546	11.544	0.002	97	731247	2.00	2.07	
166 Benzidine	184	11.628	11.626	0.002	98	732635	4.00	4.13	
167 Pyrene	202	11.787	11.785	0.002	97	742919	2.00	2.05	
174 Butyl benzyl phthalate	149	12.392	12.390	0.002	97	292851	2.00	1.93	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.111	0.004	93	423969	2.00	1.96	
179 3,3'-Dichlorobenzidine	252	13.149	13.145	0.004	72	593272	4.00	4.01	
180 Benzo[a]anthracene	228	13.234	13.230	0.004	97	723451	2.00	1.99	
182 Chrysene	228	13.285	13.281	0.004	96	680658	2.00	1.97	
184 Di-n-octyl phthalate	149	14.088	14.087	0.001	98	712644	2.00	1.97	
186 Benzo[b]fluoranthene	252	14.880	14.878	0.002	96	770205	2.00	2.03	
187 Benzo[k]fluoranthene	252	14.923	14.918	0.005	98	794544	2.00	2.07	
189 Benzo[a]pyrene	252	15.425	15.420	0.005	78	725977	2.00	2.01	
193 Indeno[1,2,3-cd]pyrene	276	17.423	17.421	0.002	89	862450	2.00	1.97	
194 Dibenz(a,h)anthracene	278	17.437	17.424	0.013	92	768765	2.00	2.03	
195 Benzo[g,h,i]perylene	276	17.987	17.986	0.001	97	746819	2.00	1.97	
S 261 Total Cresols	1				0			4.04	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00511

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826639.D

Injection Date: 12-Nov-2021 12:44:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: IC - List 1 - 2

Worklist Smp#: 6

Client ID:

Injection Vol: 2.0 ul

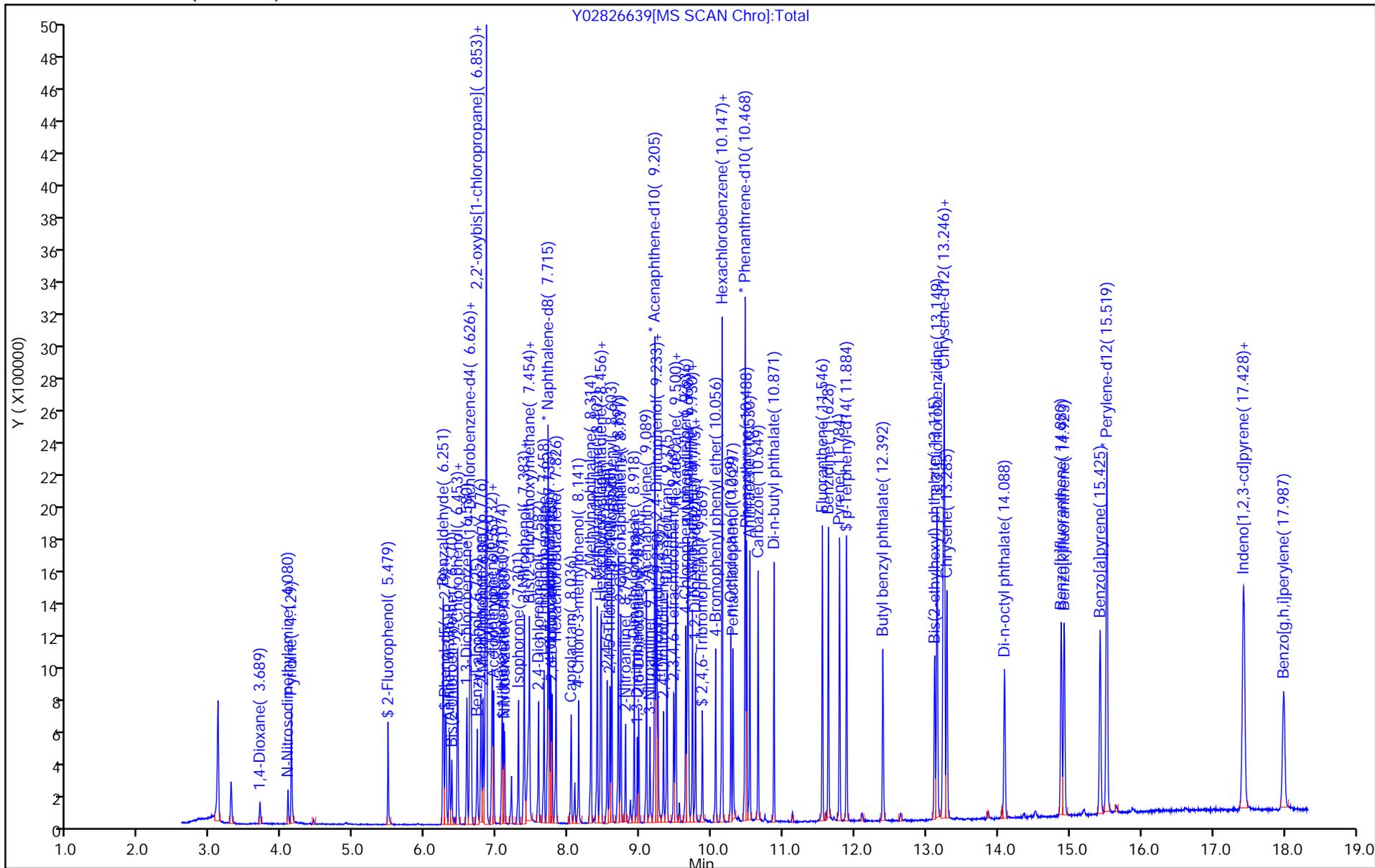
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

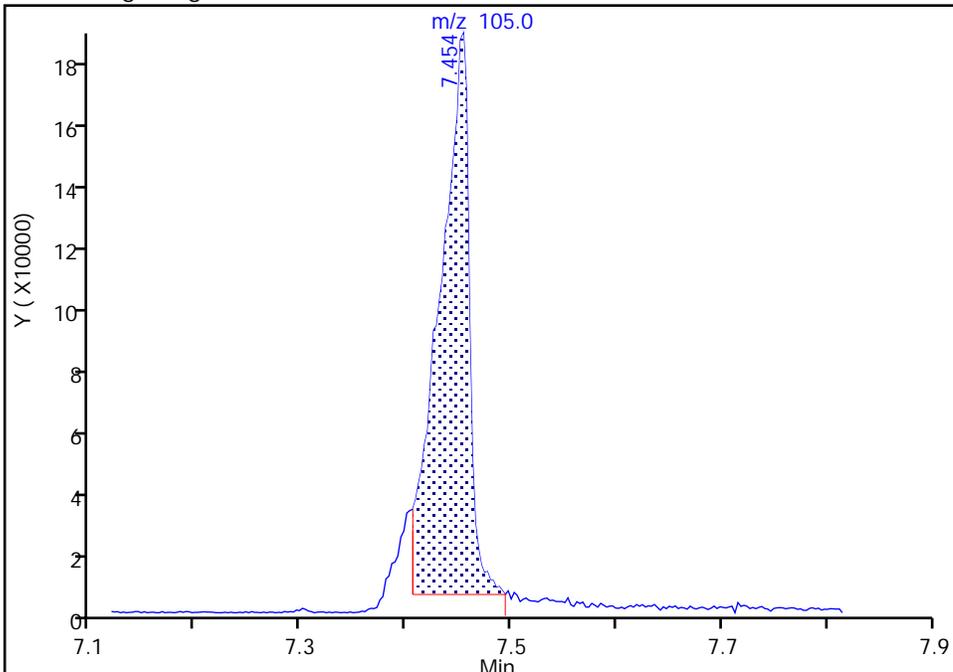
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826639.D
Injection Date: 12-Nov-2021 12:44:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 2
Client ID:
Operator ID: JM ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

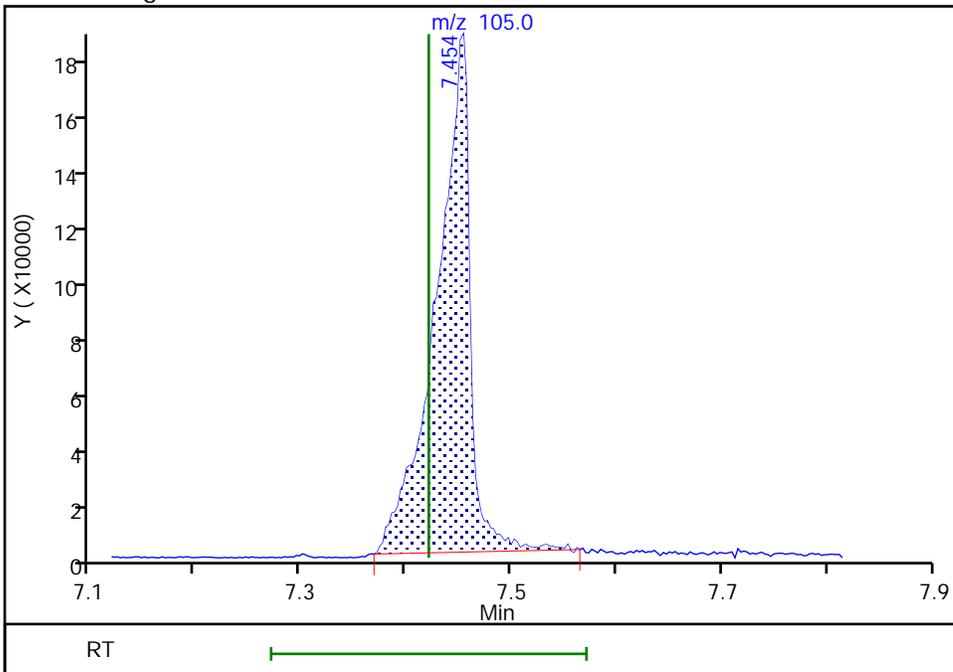
Processing Integration Results

RT: 7.45
Area: 347570
Amount: 42.502265
Amount Units: ng/uL



Manual Integration Results

RT: 7.45
Area: 404572
Amount: 9.418503
Amount Units: ng/uL



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826640.D
 Lims ID: ICIS - List 1 - 4
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 12-Nov-2021 13:12:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-007
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:49 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:20:10

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.625	6.625	0.000	92	308051	4.00	4.00	
* 2 Naphthalene-d8	136	7.715	7.715	0.000	98	1090979	4.00	4.00	
* 3 Acenaphthene-d10	164	9.205	9.205	0.000	90	657931	4.00	4.00	
* 4 Phenanthrene-d10	188	10.467	10.467	0.000	94	1195275	4.00	4.00	
* 5 Chrysene-d12	240	13.251	13.251	0.000	98	1165813	4.00	4.00	
* 6 Perylene-d12	264	15.518	15.518	0.000	98	1287219	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.482	5.482	0.000	89	333707	4.00	4.04	
\$ 8 Phenol-d5	99	6.282	6.282	0.000	0	388473	4.00	4.09	
\$ 9 Nitrobenzene-d5	82	7.094	7.094	0.000	88	361468	4.00	4.02	
\$ 10 2-Fluorobiphenyl	172	8.603	8.603	0.000	98	888587	4.00	3.98	
\$ 11 2,4,6-Tribromophenol	330	9.872	9.872	0.000	90	185782	4.00	3.92	
\$ 12 p-Terphenyl-d14	244	11.883	11.883	0.000	96	1244196	4.00	4.09	
13 1,4-Dioxane	88	3.700	3.700	0.000	91	114882	4.00	4.05	
14 N-Nitrosodimethylamine	42	4.086	4.086	0.000	90	139501	4.00	4.13	
15 Pyridine	52	4.131	4.131	0.000	96	297216	8.00	8.17	
35 Benzaldehyde	77	6.251	6.251	0.000	94	428984	8.00	7.97	
37 Phenol	94	6.293	6.293	0.000	98	395084	4.00	4.06	
36 Aniline	93	6.342	6.342	0.000	99	477045	4.00	4.01	
39 Bis(2-chloroethyl)ether	93	6.373	6.373	0.000	99	288325	4.00	4.19	
40 2-Chlorophenol	128	6.449	6.449	0.000	94	380229	4.00	4.02	
41 n-Decane	57	6.455	6.455	0.000	87	258531	4.00	4.06	
43 1,3-Dichlorobenzene	146	6.583	6.583	0.000	98	448964	4.00	3.94	
44 1,4-Dichlorobenzene	146	6.642	6.642	0.000	96	464439	4.00	4.03	
45 Benzyl alcohol	108	6.725	6.725	0.000	95	217413	4.00	4.08	
46 1,2-Dichlorobenzene	146	6.779	6.779	0.000	99	437484	4.00	3.98	
48 2-Methylphenol	108	6.810	6.810	0.000	93	311519	4.00	3.98	
49 2,2'-oxybis[1-chloropropane]	45	6.830	6.830	0.000	85	264429	4.00	3.99	
47 Indene	115	6.855	6.855	0.000	88	3266449	20.0	20.2	
57 4-Methylphenol	108	6.932	6.932	0.000	95	329062	4.00	4.05	
53 N-Nitrosodi-n-propylamine	70	6.940	6.940	0.000	85	188517	4.00	4.13	
52 Acetophenone	105	6.955	6.955	0.000	96	459378	4.00	4.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.074	7.074	0.000	90	168327	4.00	4.04	
59 Nitrobenzene	77	7.111	7.111	0.000	85	321273	4.00	4.18	
62 Isophorone	82	7.301	7.301	0.000	98	546618	4.00	4.06	
64 2-Nitrophenol	139	7.380	7.380	0.000	91	204011	4.00	3.99	
66 2,4-Dimethylphenol	107	7.383	7.383	0.000	93	352099	4.00	4.26	
70 Benzoic acid	105	7.477	7.477	0.000	88	956647	20.0	19.1	M
69 Bis(2-chloroethoxy)methane	93	7.457	7.457	0.000	97	342178	4.00	4.29	
72 2,4-Dichlorophenol	162	7.582	7.582	0.000	90	337244	4.00	4.16	
73 1,2,4-Trichlorobenzene	180	7.658	7.658	0.000	94	369441	4.00	4.02	
74 Naphthalene	128	7.735	7.735	0.000	97	1107504	4.00	4.06	
76 4-Chloroaniline	127	7.755	7.755	0.000	97	416079	4.00	4.26	
77 2,6-Dichlorophenol	162	7.772	7.772	0.000	96	326613	4.00	3.98	
79 Hexachlorobutadiene	225	7.828	7.828	0.000	94	258465	4.00	4.08	
84 Caprolactam	113	8.053	8.053	0.000	87	194730	8.00	8.07	
85 4-Chloro-3-methylphenol	107	8.143	8.143	0.000	92	283225	4.00	4.08	
87 2-Methylnaphthalene	142	8.314	8.314	0.000	92	783209	4.00	4.06	
89 1-Methylnaphthalene	142	8.402	8.402	0.000	91	705665	4.00	4.00	
90 Hexachlorocyclopentadiene	237	8.447	8.447	0.000	92	284586	4.00	3.97	
91 1,2,4,5-Tetrachlorobenzene	216	8.458	8.458	0.000	95	422138	4.00	3.96	
93 2,4,6-Trichlorophenol	196	8.544	8.544	0.000	88	255899	4.00	3.89	
94 2,4,5-Trichlorophenol	196	8.578	8.578	0.000	94	267941	4.00	4.07	
96 1,1'-Biphenyl	154	8.697	8.697	0.000	94	944411	4.00	4.04	
97 2-Chloronaphthalene	162	8.731	8.731	0.000	95	714062	4.00	4.04	
100 2-Nitroaniline	65	8.796	8.796	0.000	92	153380	4.00	4.03	
105 Dimethyl phthalate	163	8.918	8.918	0.000	99	813555	4.00	4.15	
107 2,6-Dinitrotoluene	165	8.983	8.983	0.000	92	183089	4.00	3.89	
106 1,3-Dinitrobenzene	168	8.961	8.961	0.000	93	126115	4.00	3.99	
108 Acenaphthylene	152	9.091	9.091	0.000	97	1173276	4.00	4.06	
109 3-Nitroaniline	138	9.139	9.139	0.000	93	189056	4.00	3.97	
111 2,4-Dinitrophenol	184	9.225	9.225	0.000	83	201373	8.00	7.67	
110 Acenaphthene	153	9.236	9.236	0.000	93	757363	4.00	3.94	
112 4-Nitrophenol	109	9.253	9.253	0.000	84	188678	8.00	7.95	
114 2,4-Dinitrotoluene	165	9.330	9.330	0.000	95	255687	4.00	4.02	
115 Dibenzofuran	168	9.378	9.378	0.000	96	1038478	4.00	3.92	
118 2,3,4,6-Tetrachlorophenol	232	9.469	9.469	0.000	72	220353	4.00	3.97	
121 Hexadecane	57	9.497	9.497	0.000	98	293873	4.00	3.84	
120 Diethyl phthalate	149	9.506	9.506	0.000	99	831147	4.00	4.18	
123 4-Chlorophenyl phenyl ether	204	9.639	9.639	0.000	86	446665	4.00	4.07	
126 4-Nitroaniline	138	9.659	9.659	0.000	92	204842	4.00	4.08	
124 Fluorene	166	9.667	9.667	0.000	93	829521	4.00	4.00	
127 4,6-Dinitro-2-methylphenol	198	9.679	9.679	0.000	94	287459	8.00	7.96	
130 N-Nitrosodiphenylamine	169	9.733	9.733	0.000	61	616073	4.00	4.10	
129 Diphenylamine	169	9.733	9.733	0.000	93	616073	3.42	3.51	
131 1,2-Diphenylhydrazine	77	9.775	9.775	0.000	41	613296	4.00	4.05	
132 Azobenzene	77	9.775	9.775	0.000	97	613296	4.00	4.05	
139 4-Bromophenyl phenyl ether	248	10.056	10.056	0.000	58	305955	4.00	4.03	
140 Hexachlorobenzene	284	10.144	10.144	0.000	95	370480	4.00	3.91	
143 Atrazine	200	10.150	10.150	0.000	94	514530	8.00	8.32	
148 n-Octadecane	57	10.266	10.266	0.000	96	313740	4.00	3.94	
145 Pentachlorophenol	266	10.297	10.297	0.000	95	319152	8.00	7.48	
151 Phenanthrene	178	10.490	10.490	0.000	95	1250193	4.00	4.02	
152 Anthracene	178	10.533	10.533	0.000	95	1242821	4.00	4.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.649	10.649	0.000	96	1072728	4.00	4.06	
157 Di-n-butyl phthalate	149	10.870	10.870	0.000	99	1369463	4.00	4.06	
164 Fluoranthene	202	11.546	11.546	0.000	97	1420815	4.00	4.11	
166 Benzidine	184	11.631	11.631	0.000	98	1399826	8.00	8.12	
167 Pyrene	202	11.787	11.787	0.000	98	1452292	4.00	4.12	
174 Butyl benzyl phthalate	149	12.391	12.391	0.000	94	610528	4.00	4.15	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.115	0.000	93	874271	4.00	4.17	
179 3,3'-Dichlorobenzidine	252	13.152	13.152	0.000	72	1180748	8.00	8.21	
180 Benzo[a]anthracene	228	13.234	13.234	0.000	97	1446948	4.00	4.10	
182 Chrysene	228	13.288	13.288	0.000	97	1364795	4.00	4.07	
184 Di-n-octyl phthalate	149	14.091	14.091	0.000	98	1465452	4.00	4.08	
186 Benzo[b]fluoranthene	252	14.883	14.883	0.000	96	1522140	4.00	4.09	
187 Benzo[k]fluoranthene	252	14.928	14.928	0.000	97	1530452	4.00	4.06	
189 Benzo[a]pyrene	252	15.428	15.428	0.000	76	1475570	4.00	4.16	
193 Indeno[1,2,3-cd]pyrene	276	17.431	17.431	0.000	97	1755670	4.00	4.07	
194 Dibenz(a,h)anthracene	278	17.442	17.442	0.000	90	1524987	4.00	4.10	
195 Benzo[g,h,i]perylene	276	17.996	17.996	0.000	97	1533265	4.00	4.12	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00512

Amount Added: 1.00

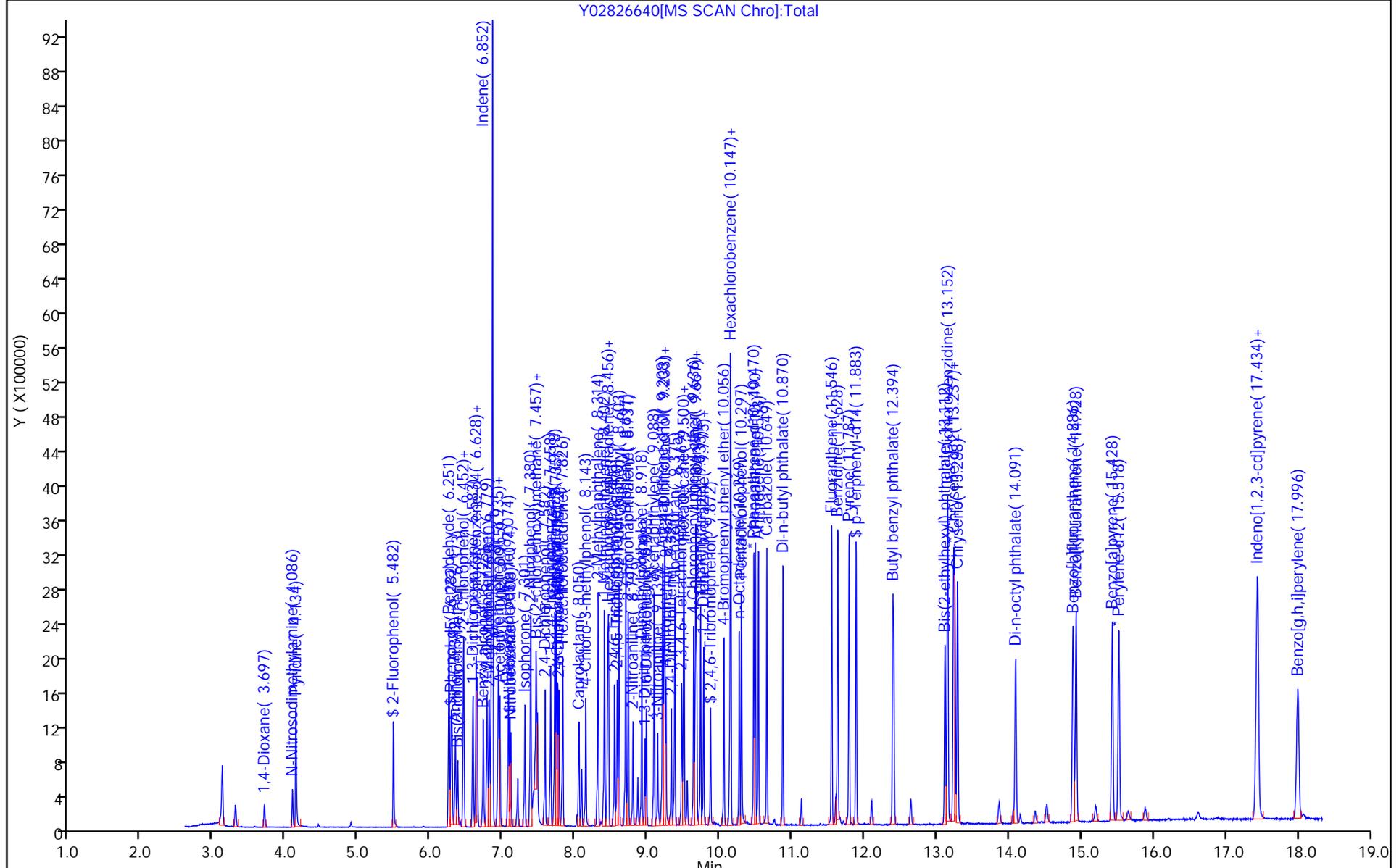
Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo

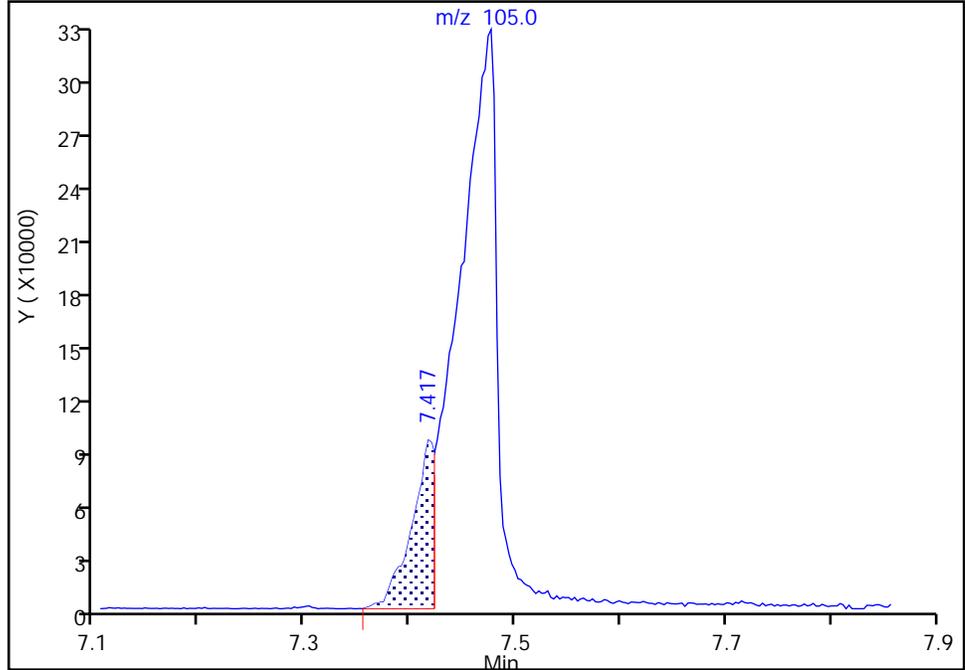
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826640.D
Injection Date: 12-Nov-2021 13:12:30 Instrument ID: HP5973Y
Lims ID: ICIS - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

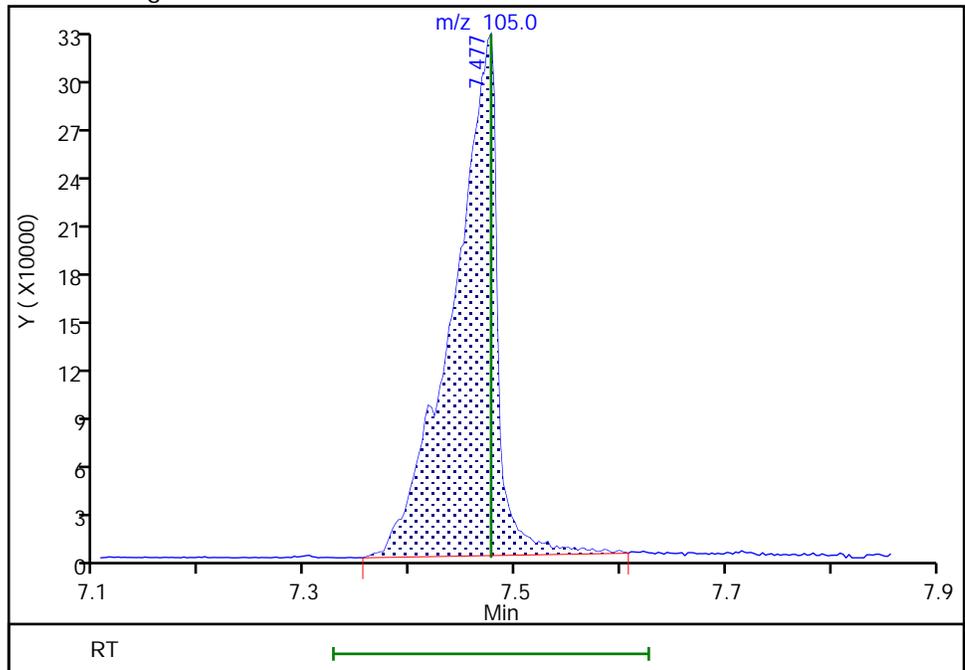
RT: 7.42
Area: 142398
Amount: 11.158632
Amount Units: ng/uL

Processing Integration Results



RT: 7.48
Area: 956647
Amount: 19.059043
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:29:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826641.D
 Lims ID: IC -List 1 - 8
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 12-Nov-2021 13:39:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-008
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:57:55 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:34:44

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	6.628	6.625	0.003	92	309839	4.00	4.00	
* 2 Naphthalene-d8	136	7.718	7.715	0.003	98	1130841	4.00	4.00	
* 3 Acenaphthene-d10	164	9.208	9.205	0.003	91	687311	4.00	4.00	
* 4 Phenanthrene-d10	188	10.470	10.467	0.003	94	1235105	4.00	4.00	
* 5 Chrysene-d12	240	13.254	13.251	0.003	97	1242284	4.00	4.00	
* 6 Perylene-d12	264	15.524	15.518	0.006	98	1333574	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.482	5.482	0.000	89	687108	8.00	8.27	
\$ 8 Phenol-d5	99	6.285	6.282	0.003	0	783563	8.00	8.19	
\$ 9 Nitrobenzene-d5	82	7.096	7.094	0.002	86	745961	8.00	8.01	M
\$ 10 2-Fluorobiphenyl	172	8.609	8.603	0.006	99	1869180	8.00	8.02	
\$ 11 2,4,6-Tribromophenol	330	9.874	9.872	0.002	90	409543	8.00	8.23	
\$ 12 p-Terphenyl-d14	244	11.886	11.883	0.003	96	2520141	8.00	7.77	
13 1,4-Dioxane	88	3.697	3.700	-0.003	88	231764	8.00	8.13	
14 N-Nitrosodimethylamine	42	4.088	4.086	0.002	92	271527	8.00	7.99	
15 Pyridine	52	4.131	4.131	0.000	96	583441	16.0	16.0	
35 Benzaldehyde	77	6.254	6.251	0.003	94	889673	16.0	16.6	
37 Phenol	94	6.296	6.293	0.003	98	782582	8.00	8.00	
36 Aniline	93	6.344	6.342	0.002	98	917504	8.00	7.67	
39 Bis(2-chloroethyl)ether	93	6.376	6.373	0.003	99	595958	8.00	8.61	
40 2-Chlorophenol	128	6.452	6.449	0.003	94	788443	8.00	8.28	
41 n-Decane	57	6.455	6.455	0.000	88	500120	8.00	7.81	
43 1,3-Dichlorobenzene	146	6.583	6.583	0.000	98	918138	8.00	8.01	
44 1,4-Dichlorobenzene	146	6.642	6.642	0.000	96	929290	8.00	8.01	
45 Benzyl alcohol	108	6.730	6.725	0.005	95	445478	8.00	8.27	
46 1,2-Dichlorobenzene	146	6.779	6.779	0.000	98	891488	8.00	8.06	
48 2-Methylphenol	108	6.810	6.810	0.000	94	644535	8.00	8.20	
49 2,2'-oxybis[1-chloropropane]	45	6.832	6.830	0.002	84	523644	8.00	7.86	
47 Indene	115	6.858	6.855	0.003	88	6327556	40.0	39.0	
57 4-Methylphenol	108	6.935	6.932	0.003	98	666986	8.00	8.16	
53 N-Nitrosodi-n-propylamine	70	6.946	6.940	0.006	84	347201	8.00	7.56	
52 Acetophenone	105	6.957	6.955	0.003	97	803041	8.00	7.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.074	7.074	0.000	89	334388	8.00	7.98	
59 Nitrobenzene	77	7.111	7.111	0.000	85	640333	8.00	8.03	
62 Isophorone	82	7.306	7.301	0.005	98	1152750	8.00	8.26	
64 2-Nitrophenol	139	7.380	7.380	0.000	95	431720	8.00	8.09	
66 2,4-Dimethylphenol	107	7.386	7.383	0.003	93	641754	8.00	7.51	
69 Bis(2-chloroethoxy)methane	93	7.460	7.457	0.003	97	622216	8.00	7.52	
70 Benzoic acid	105	7.513	7.477	0.036	86	2192467	40.0	39.0	M
72 2,4-Dichlorophenol	162	7.584	7.582	0.002	89	692726	8.00	8.23	
73 1,2,4-Trichlorobenzene	180	7.661	7.658	0.003	93	784079	8.00	8.23	
74 Naphthalene	128	7.738	7.735	0.003	98	2224486	8.00	7.86	
76 4-Chloroaniline	127	7.760	7.755	0.005	97	809210	8.00	7.99	
77 2,6-Dichlorophenol	162	7.775	7.772	0.003	96	690273	8.00	8.12	
79 Hexachlorobutadiene	225	7.828	7.828	0.000	93	527556	8.00	8.02	
84 Caprolactam	113	8.072	8.053	0.019	86	402017	16.0	15.9	
85 4-Chloro-3-methylphenol	107	8.149	8.143	0.006	94	610717	8.00	8.50	
87 2-Methylnaphthalene	142	8.317	8.314	0.002	93	1588216	8.00	7.94	
89 1-Methylnaphthalene	142	8.404	8.402	0.002	92	1472301	8.00	8.06	
90 Hexachlorocyclopentadiene	237	8.450	8.447	0.003	94	624773	8.00	8.22	
91 1,2,4,5-Tetrachlorobenzene	216	8.461	8.458	0.003	95	882462	8.00	7.92	
93 2,4,6-Trichlorophenol	196	8.544	8.544	0.000	89	564233	8.00	8.13	
94 2,4,5-Trichlorophenol	196	8.583	8.578	0.005	95	560158	8.00	8.07	
96 1,1'-Biphenyl	154	8.700	8.697	0.003	95	1942528	8.00	7.95	
97 2-Chloronaphthalene	162	8.734	8.731	0.003	96	1528236	8.00	8.28	
100 2-Nitroaniline	65	8.802	8.796	0.006	92	331179	8.00	8.22	
105 Dimethyl phthalate	163	8.924	8.918	0.006	99	1605241	8.00	7.84	
106 1,3-Dinitrobenzene	168	8.966	8.961	0.005	94	261055	8.00	7.83	
107 2,6-Dinitrotoluene	165	8.986	8.983	0.003	92	396526	8.00	8.05	
108 Acenaphthylene	152	9.094	9.091	0.003	97	2422579	8.00	8.02	
109 3-Nitroaniline	138	9.142	9.139	0.003	92	405705	8.00	8.06	
111 2,4-Dinitrophenol	184	9.227	9.225	0.002	85	479012	16.0	16.5	
110 Acenaphthene	153	9.239	9.236	0.003	93	1566705	8.00	7.79	
112 4-Nitrophenol	109	9.259	9.253	0.006	83	416586	16.0	16.3	
114 2,4-Dinitrotoluene	165	9.332	9.330	0.002	94	540023	8.00	8.06	
115 Dibenzofuran	168	9.378	9.378	0.000	96	2175258	8.00	7.86	
118 2,3,4,6-Tetrachlorophenol	232	9.474	9.469	0.005	68	472446	8.00	7.98	
121 Hexadecane	57	9.500	9.497	0.003	97	648299	8.00	8.10	
120 Diethyl phthalate	149	9.508	9.506	0.002	99	1573842	8.00	7.59	
123 4-Chlorophenyl phenyl ether	204	9.639	9.639	0.000	87	945968	8.00	8.25	
126 4-Nitroaniline	138	9.664	9.659	0.005	92	425399	8.00	8.10	
124 Fluorene	166	9.670	9.667	0.003	93	1737745	8.00	8.02	
127 4,6-Dinitro-2-methylphenol	198	9.684	9.679	0.005	94	647517	16.0	16.9	
130 N-Nitrosodiphenylamine	169	9.735	9.733	0.002	62	1285799	8.00	8.29	
129 Diphenylamine	169	9.735	9.733	0.002	93	1285799	6.84	7.09	
131 1,2-Diphenylhydrazine	77	9.775	9.775	0.000	41	1276898	8.00	8.16	
132 Azobenzene	77	9.775	9.775	0.000	97	1276898	8.00	8.16	
139 4-Bromophenyl phenyl ether	248	10.059	10.056	0.003	58	632081	8.00	8.06	
140 Hexachlorobenzene	284	10.147	10.144	0.003	95	794714	8.00	8.12	
143 Atrazine	200	10.155	10.150	0.005	95	995649	16.0	15.4	
148 n-Octadecane	57	10.269	10.266	0.003	96	676829	8.00	8.23	
145 Pentachlorophenol	266	10.300	10.297	0.003	95	777956	16.0	16.7	
151 Phenanthrene	178	10.493	10.490	0.003	97	2535760	8.00	7.89	
152 Anthracene	178	10.536	10.533	0.003	95	2617846	8.00	8.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.652	10.649	0.003	96	2269715	8.00	8.32	
157 Di-n-butyl phthalate	149	10.873	10.870	0.003	99	2893114	8.00	8.30	
164 Fluoranthene	202	11.549	11.546	0.003	97	2871788	8.00	8.04	
166 Benzidine	184	11.634	11.631	0.003	98	2976638	16.0	16.2	
167 Pyrene	202	11.790	11.787	0.003	97	2939679	8.00	7.83	
174 Butyl benzyl phthalate	149	12.394	12.391	0.003	94	1265369	8.00	8.07	
181 Bis(2-ethylhexyl) phthalate	149	13.118	13.115	0.003	93	1838128	8.00	8.23	
179 3,3'-Dichlorobenzidine	252	13.157	13.152	0.005	72	2540457	16.0	16.6	
180 Benzo[a]anthracene	228	13.240	13.234	0.006	97	2920351	8.00	7.77	
182 Chrysene	228	13.294	13.288	0.006	96	2749327	8.00	7.69	
184 Di-n-octyl phthalate	149	14.094	14.091	0.003	98	3068002	8.00	7.94	
186 Benzo[b]fluoranthene	252	14.891	14.883	0.008	96	3201078	8.00	8.31	
187 Benzo[k]fluoranthene	252	14.937	14.928	0.009	98	3188785	8.00	8.17	
189 Benzo[a]pyrene	252	15.436	15.428	0.008	76	3050622	8.00	8.29	
193 Indeno[1,2,3-cd]pyrene	276	17.445	17.431	0.014	97	3684551	8.00	8.22	
194 Dibenz(a,h)anthracene	278	17.456	17.442	0.014	91	3210630	8.00	8.33	
195 Benzo[g,h,i]perylene	276	18.013	17.996	0.017	97	3213526	8.00	8.33	
S 261 Total Cresols	1				0			16.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00513

Amount Added: 1.00

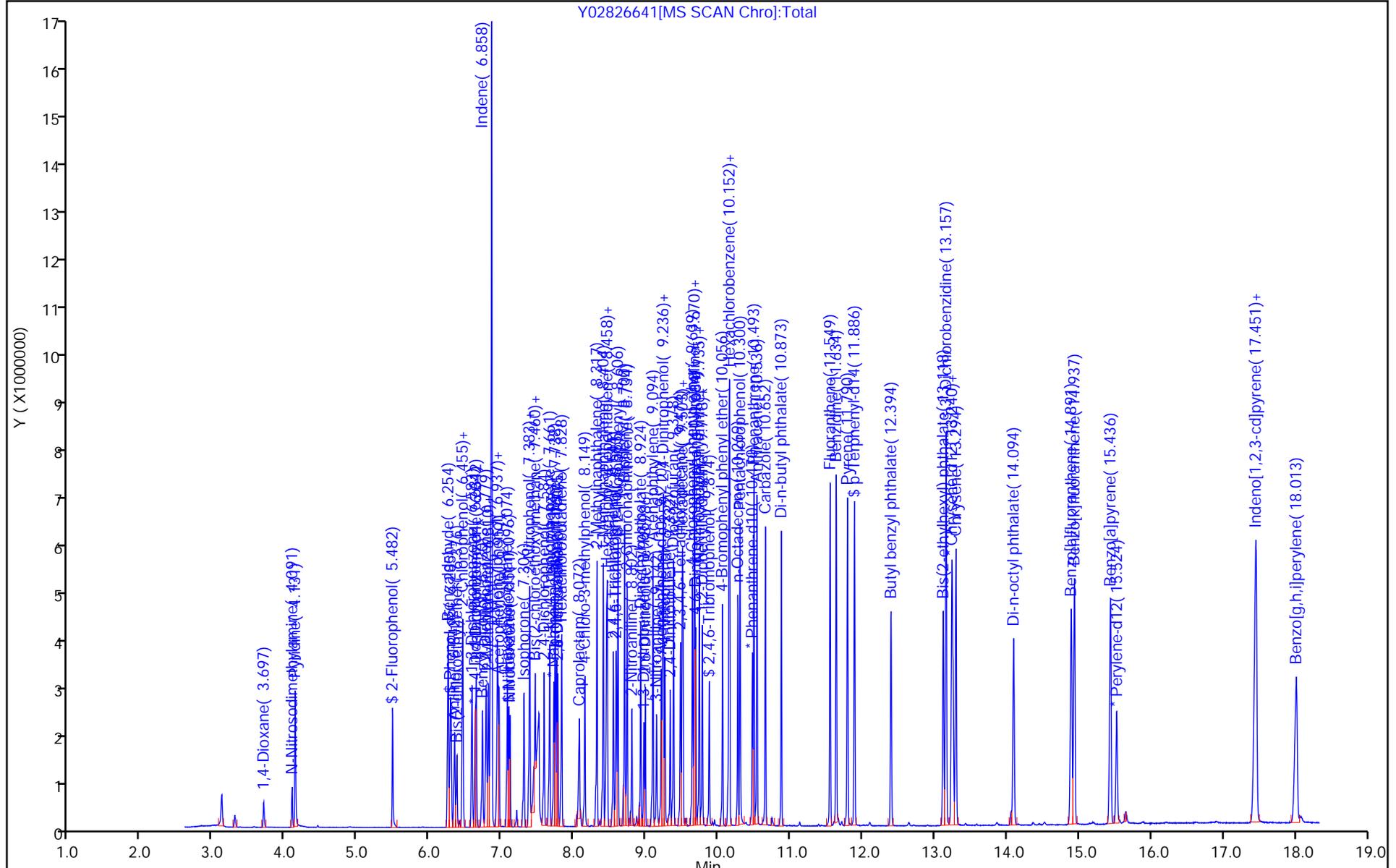
Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent



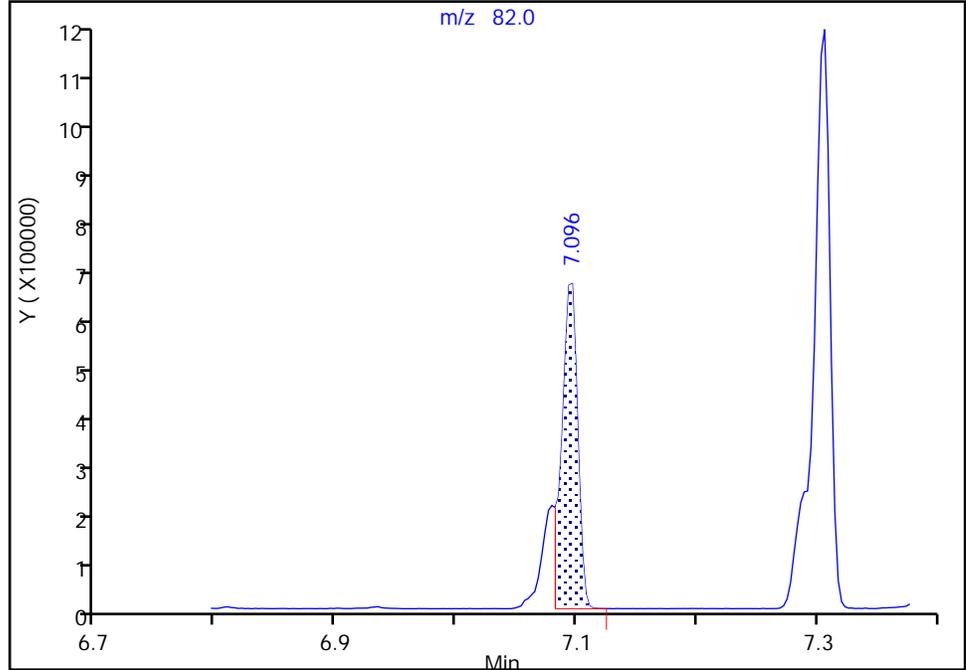
Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826641.D
Injection Date: 12-Nov-2021 13:39:30 Instrument ID: HP5973Y
Lims ID: IC -List 1 - 8
Client ID:
Operator ID: JM ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0
Signal: 1

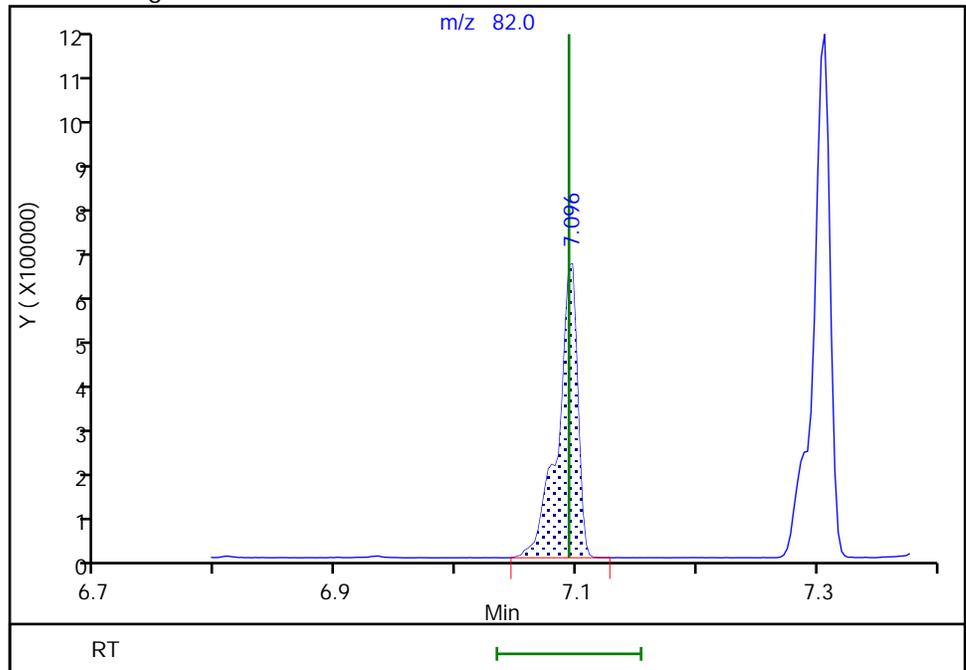
RT: 7.10
Area: 603232
Amount: 7.070909
Amount Units: ng/uL

Processing Integration Results



RT: 7.10
Area: 745961
Amount: 8.008952
Amount Units: ng/uL

Manual Integration Results



Eurofins TestAmerica, Buffalo

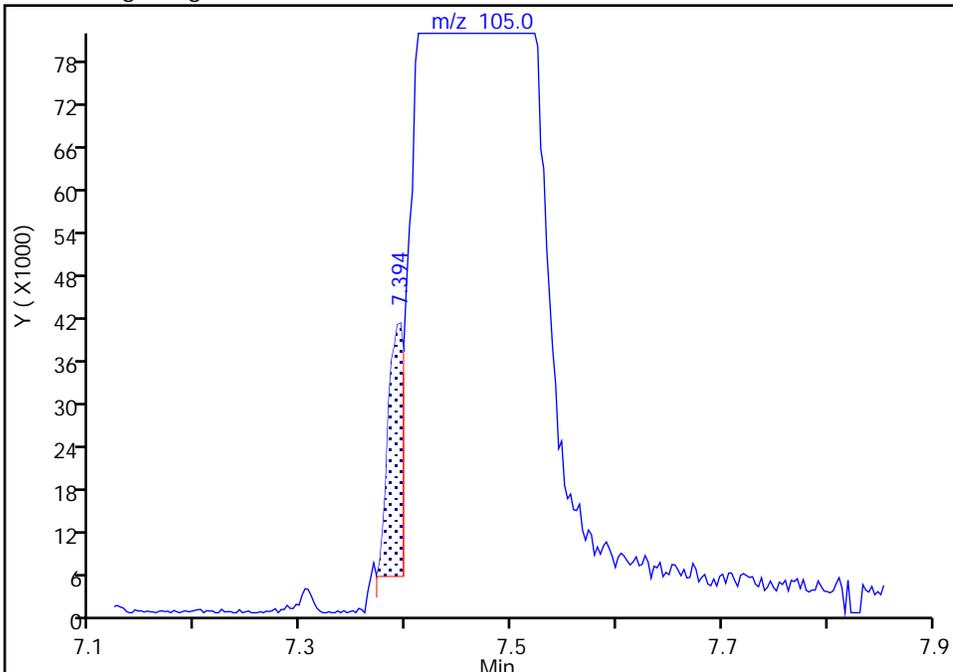
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Injection Date: 12-Nov-2021 13:39:30 Instrument ID: HP5973Y
Lims ID: IC -List 1 - 8
Client ID:
Operator ID: JM ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

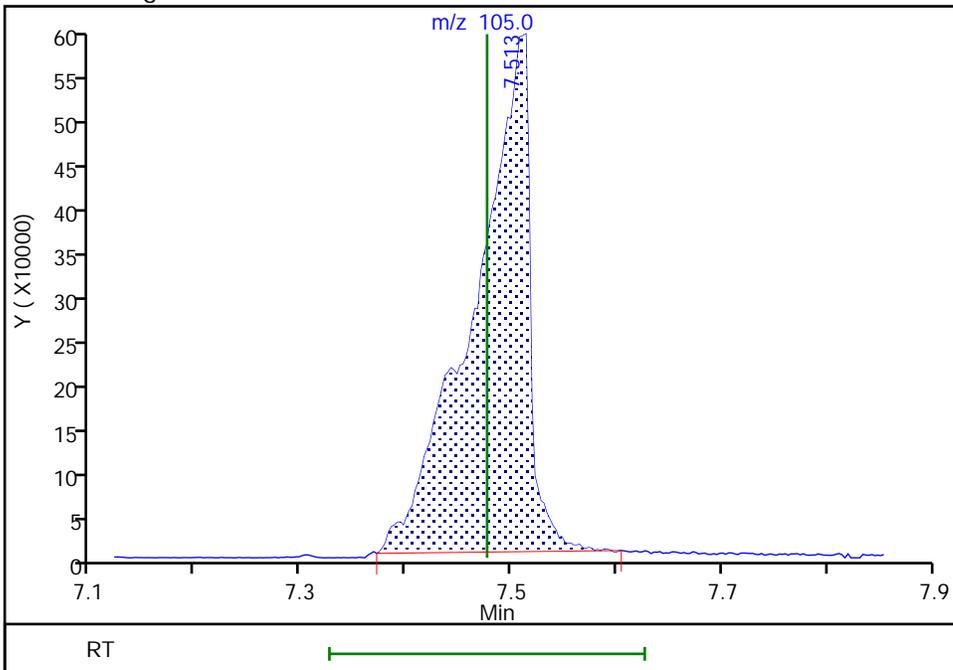
RT: 7.39
Area: 35914
Amount: -0.169071
Amount Units: ng/uL

Processing Integration Results



RT: 7.51
Area: 2192467
Amount: 38.965173
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:35:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D
 Lims ID: IC - List 1 - 12
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 12-Nov-2021 14:06:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-009
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:58:02 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:39:36

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	6.627	6.625	0.002	93	304298	4.00	4.00	
* 2 Naphthalene-d8	136	7.719	7.715	0.004	99	1114103	4.00	4.00	
* 3 Acenaphthene-d10	164	9.209	9.205	0.004	90	669203	4.00	4.00	
* 4 Phenanthrene-d10	188	10.472	10.467	0.005	94	1232229	4.00	4.00	
* 5 Chrysene-d12	240	13.258	13.251	0.007	97	1207183	4.00	4.00	
* 6 Perylene-d12	264	15.525	15.518	0.007	98	1339129	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.483	5.482	0.001	89	1006962	12.0	12.3	
\$ 8 Phenol-d5	99	6.286	6.282	0.004	0	1140227	12.0	12.1	
\$ 9 Nitrobenzene-d5	82	7.098	7.094	0.004	87	1098363	12.0	12.0	M
\$ 10 2-Fluorobiphenyl	172	8.607	8.603	0.004	98	2713182	12.0	12.0	
\$ 11 2,4,6-Tribromophenol	330	9.876	9.872	0.004	90	612360	12.0	12.3	
\$ 12 p-Terphenyl-d14	244	11.888	11.883	0.005	96	3684474	12.0	11.7	
13 1,4-Dioxane	88	3.695	3.700	-0.005	89	342057	12.0	12.2	
14 N-Nitrosodimethylamine	42	4.093	4.086	0.007	92	402369	12.0	12.1	
15 Pyridine	52	4.132	4.131	0.001	96	887152	24.0	24.7	
35 Benzaldehyde	77	6.255	6.251	0.004	93	1228875	24.0	23.3	
37 Phenol	94	6.298	6.293	0.005	98	1170671	12.0	12.2	
36 Aniline	93	6.346	6.342	0.004	97	1486246	12.0	12.6	
39 Bis(2-chloroethyl)ether	93	6.377	6.373	0.004	98	717773	12.0	10.6	
40 2-Chlorophenol	128	6.454	6.449	0.005	94	1135917	12.0	12.2	
41 n-Decane	57	6.456	6.455	0.001	87	749747	12.0	11.9	
43 1,3-Dichlorobenzene	146	6.584	6.583	0.001	98	1356721	12.0	12.0	
44 1,4-Dichlorobenzene	146	6.644	6.642	0.002	97	1351444	12.0	11.9	
45 Benzyl alcohol	108	6.732	6.725	0.007	95	665181	12.0	12.5	
46 1,2-Dichlorobenzene	146	6.780	6.779	0.001	98	1294957	12.0	11.9	
48 2-Methylphenol	108	6.811	6.810	0.001	94	934890	12.0	12.1	
49 2,2'-oxybis[1-chloropropane]	45	6.834	6.830	0.004	84	777174	12.0	11.9	
47 Indene	115	6.859	6.855	0.004	88	8866555	60.0	55.6	
57 4-Methylphenol	108	6.936	6.932	0.004	97	986644	12.0	12.3	
53 N-Nitrosodi-n-propylamine	70	6.950	6.940	0.010	83	515561	12.0	11.4	
52 Acetophenone	105	6.962	6.955	0.008	97	1372904	12.0	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.072	7.074	-0.002	91	494546	12.0	12.0	
59 Nitrobenzene	77	7.112	7.111	0.001	85	958902	12.0	12.2	
62 Isophorone	82	7.308	7.301	0.007	98	1645919	12.0	12.0	
64 2-Nitrophenol	139	7.381	7.380	0.001	96	633610	12.0	12.0	
66 2,4-Dimethylphenol	107	7.387	7.383	0.004	92	1066839	12.0	12.7	
69 Bis(2-chloroethoxy)methane	93	7.461	7.457	0.004	98	1026097	12.0	12.6	
70 Benzoic acid	105	7.538	7.477	0.061	87	3501119	60.0	61.5	M
72 2,4-Dichlorophenol	162	7.586	7.582	0.004	90	1008366	12.0	12.2	
73 1,2,4-Trichlorobenzene	180	7.660	7.658	0.002	94	1100327	12.0	11.7	
74 Naphthalene	128	7.736	7.735	0.001	98	3275739	12.0	11.8	
76 4-Chloroaniline	127	7.762	7.755	0.007	97	1168762	12.0	11.7	
77 2,6-Dichlorophenol	162	7.776	7.772	0.004	97	999280	12.0	11.9	
79 Hexachlorobutadiene	225	7.827	7.828	-0.001	93	770115	12.0	11.9	
84 Caprolactam	113	8.088	8.053	0.035	88	604470	24.0	24.2	
85 4-Chloro-3-methylphenol	107	8.150	8.143	0.007	94	897518	12.0	12.7	
87 2-Methylnaphthalene	142	8.318	8.314	0.004	91	2304532	12.0	11.7	
89 1-Methylnaphthalene	142	8.406	8.402	0.004	91	2113655	12.0	11.7	
90 Hexachlorocyclopentadiene	237	8.448	8.447	0.001	92	918335	12.0	12.4	
91 1,2,4,5-Tetrachlorobenzene	216	8.460	8.458	0.002	95	1284063	12.0	11.8	
93 2,4,6-Trichlorophenol	196	8.545	8.544	0.001	89	820370	12.0	12.1	
94 2,4,5-Trichlorophenol	196	8.585	8.578	0.007	95	777964	12.0	11.5	
96 1,1'-Biphenyl	154	8.701	8.697	0.004	95	2791746	12.0	11.7	
97 2-Chloronaphthalene	162	8.735	8.731	0.004	96	2039676	12.0	11.4	
100 2-Nitroaniline	65	8.803	8.796	0.007	92	450811	12.0	11.4	
105 Dimethyl phthalate	163	8.925	8.918	0.007	99	2306759	12.0	11.6	
106 1,3-Dinitrobenzene	168	8.971	8.961	0.010	96	392638	12.0	11.9	
107 2,6-Dinitrotoluene	165	8.988	8.983	0.005	94	559977	12.0	11.7	
108 Acenaphthylene	152	9.095	9.091	0.004	97	3491200	12.0	11.9	
109 3-Nitroaniline	138	9.146	9.139	0.007	94	594155	12.0	12.1	
111 2,4-Dinitrophenol	184	9.232	9.225	0.007	88	719067	24.0	25.1	
110 Acenaphthene	153	9.237	9.236	0.001	92	2267806	12.0	11.6	
112 4-Nitrophenol	109	9.263	9.253	0.010	84	612575	24.0	24.4	
114 2,4-Dinitrotoluene	165	9.334	9.330	0.004	94	774826	12.0	11.8	
115 Dibenzofuran	168	9.382	9.378	0.004	96	3177995	12.0	11.8	
118 2,3,4,6-Tetrachlorophenol	232	9.476	9.469	0.007	68	739174	12.0	12.7	
121 Hexadecane	57	9.498	9.497	0.001	97	942557	12.0	12.1	
120 Diethyl phthalate	149	9.510	9.506	0.004	99	2320158	12.0	11.5	
123 4-Chlorophenyl phenyl ether	204	9.640	9.639	0.001	88	1320606	12.0	11.8	
126 4-Nitroaniline	138	9.669	9.659	0.010	94	606830	12.0	11.9	
124 Fluorene	166	9.671	9.667	0.004	95	2585049	12.0	12.3	
127 4,6-Dinitro-2-methylphenol	198	9.688	9.679	0.009	94	955995	24.0	24.8	
130 N-Nitrosodiphenylamine	169	9.737	9.733	0.004	63	1834203	12.0	11.9	
129 Diphenylamine	169	9.737	9.733	0.004	91	1834203	10.3	10.1	
131 1,2-Diphenylhydrazine	77	9.779	9.775	0.004	41	1832668	12.0	11.7	
132 Azobenzene	77	9.779	9.775	0.004	97	1832668	12.0	11.7	
139 4-Bromophenyl phenyl ether	248	10.060	10.056	0.004	59	926718	12.0	11.8	
140 Hexachlorobenzene	284	10.148	10.144	0.004	94	1199968	12.0	12.3	
143 Atrazine	200	10.159	10.150	0.009	94	1433704	24.0	22.8	
148 n-Octadecane	57	10.270	10.266	0.004	96	967227	12.0	11.8	
145 Pentachlorophenol	266	10.301	10.297	0.004	95	1153296	24.0	24.6	
151 Phenanthrene	178	10.494	10.490	0.004	97	3684664	12.0	11.5	
152 Anthracene	178	10.537	10.533	0.004	96	3639125	12.0	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.653	10.649	0.004	96	3194764	12.0	11.7	
157 Di-n-butyl phthalate	149	10.875	10.870	0.005	100	4052747	12.0	11.7	
164 Fluoranthene	202	11.550	11.546	0.004	97	4160378	12.0	11.7	
166 Benzidine	184	11.635	11.631	0.004	98	4109467	24.0	23.0	
167 Pyrene	202	11.791	11.787	0.004	97	4252199	12.0	11.7	
174 Butyl benzyl phthalate	149	12.396	12.391	0.005	95	1852815	12.0	12.2	
181 Bis(2-ethylhexyl) phthalate	149	13.116	13.115	0.001	93	2646912	12.0	12.2	
179 3,3'-Dichlorobenzidine	252	13.162	13.152	0.010	72	3566160	24.0	23.9	
180 Benzo[a]anthracene	228	13.241	13.234	0.007	97	4240843	12.0	11.6	
182 Chrysene	228	13.298	13.288	0.010	96	4047915	12.0	11.6	
184 Di-n-octyl phthalate	149	14.095	14.091	0.004	98	4509378	12.0	12.0	
186 Benzo[b]fluoranthene	252	14.895	14.883	0.012	96	4629404	12.0	12.0	
187 Benzo[k]fluoranthene	252	14.941	14.928	0.013	97	4453375	12.0	11.4	
189 Benzo[a]pyrene	252	15.440	15.428	0.012	76	4480264	12.0	12.1	
193 Indeno[1,2,3-cd]pyrene	276	17.449	17.431	0.018	96	5431346	12.0	12.1	a
194 Dibenz(a,h)anthracene	278	17.463	17.442	0.021	92	4746556	12.0	12.3	
195 Benzo[g,h,i]perylene	276	18.025	17.996	0.029	97	4716621	12.0	12.2	
S 261 Total Cresols	1				0			24.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00514

Amount Added: 1.00

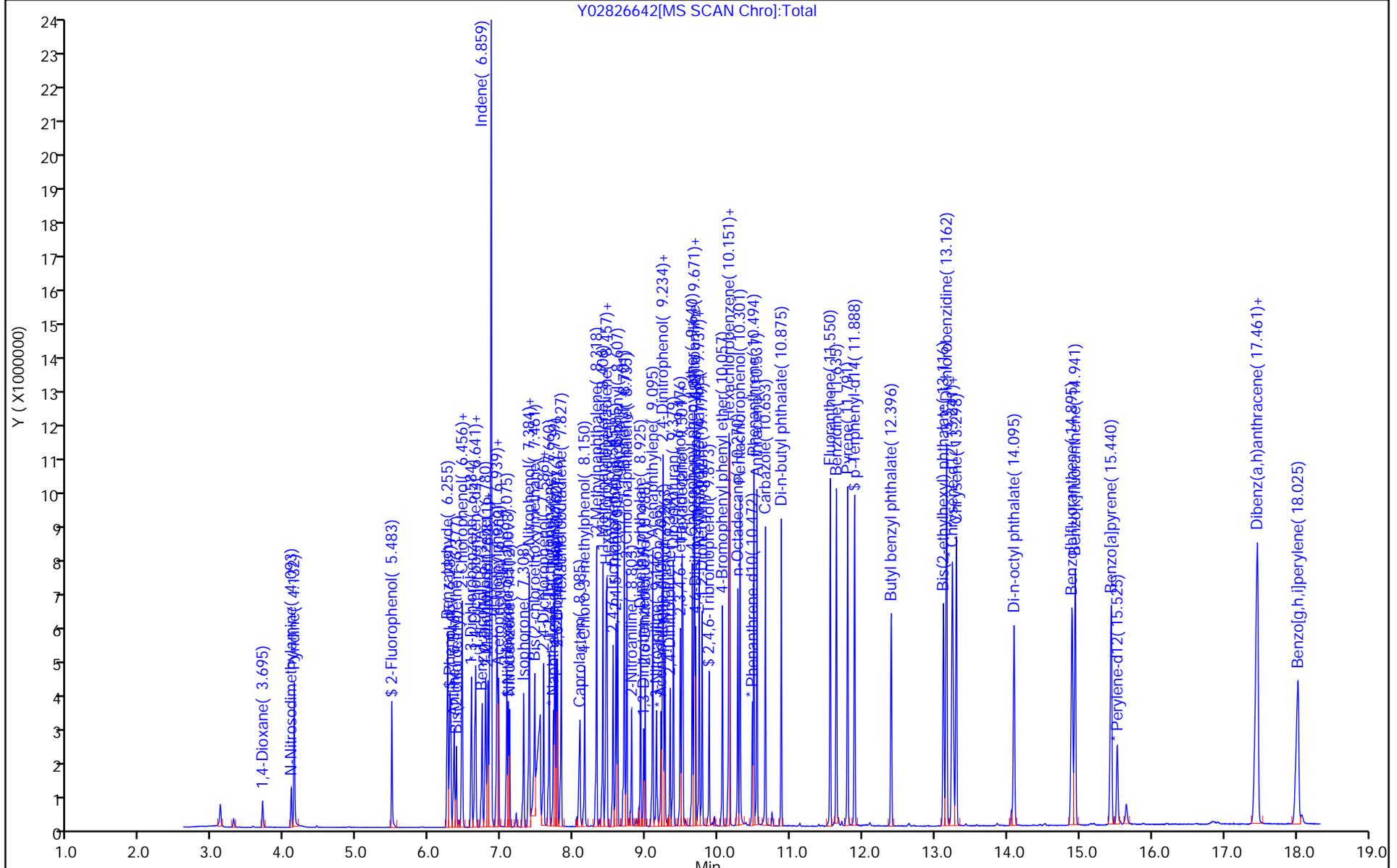
Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent



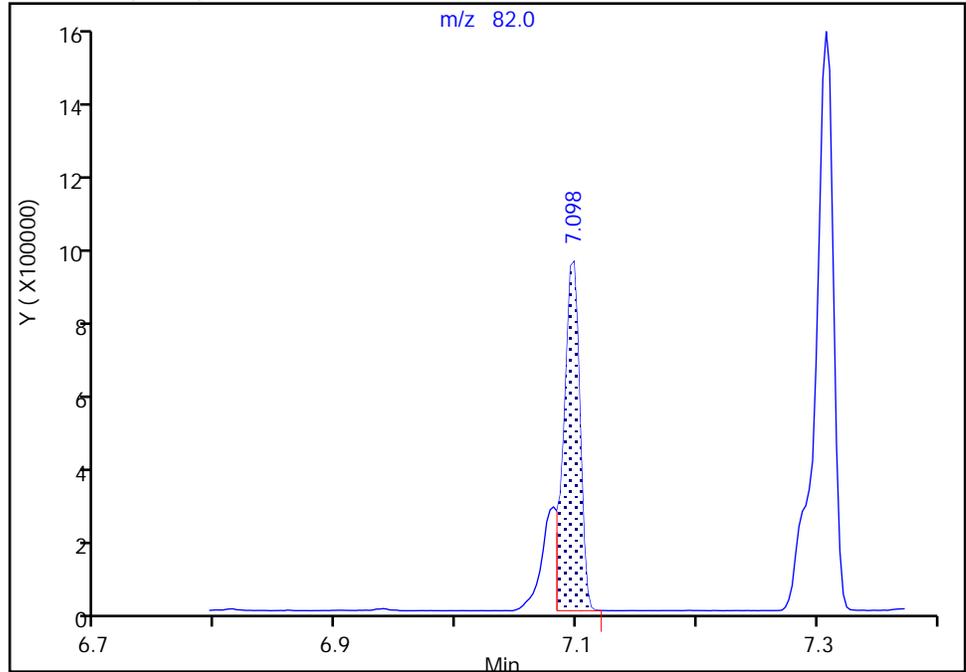
Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826642.D
Injection Date: 12-Nov-2021 14:06:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0
Signal: 1

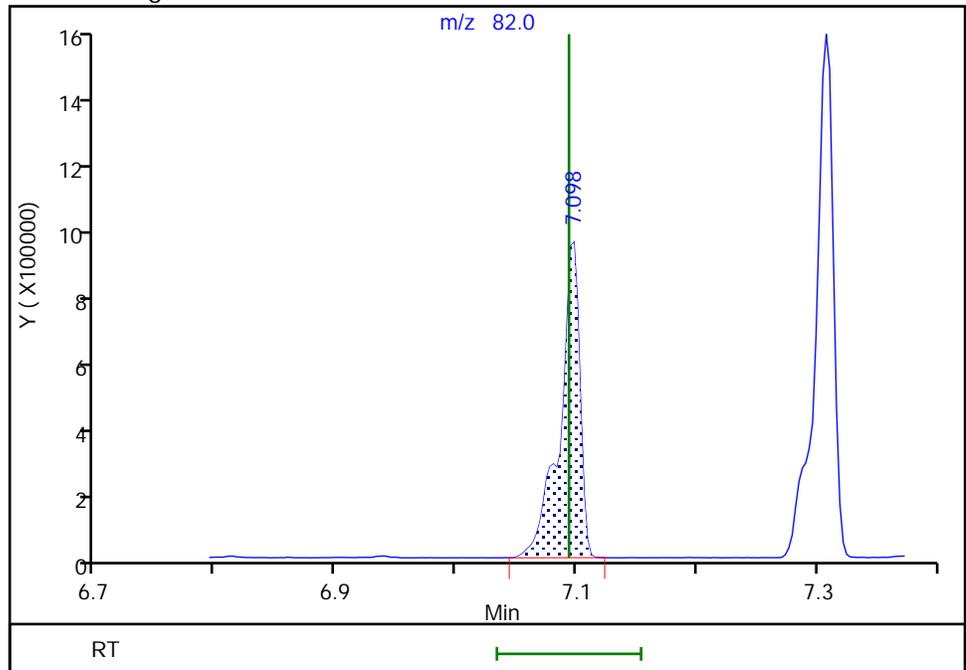
RT: 7.10
Area: 881142
Amount: 10.179542
Amount Units: ng/uL

Processing Integration Results



RT: 7.10
Area: 1098363
Amount: 11.969655
Amount Units: ng/uL

Manual Integration Results



Eurofins TestAmerica, Buffalo

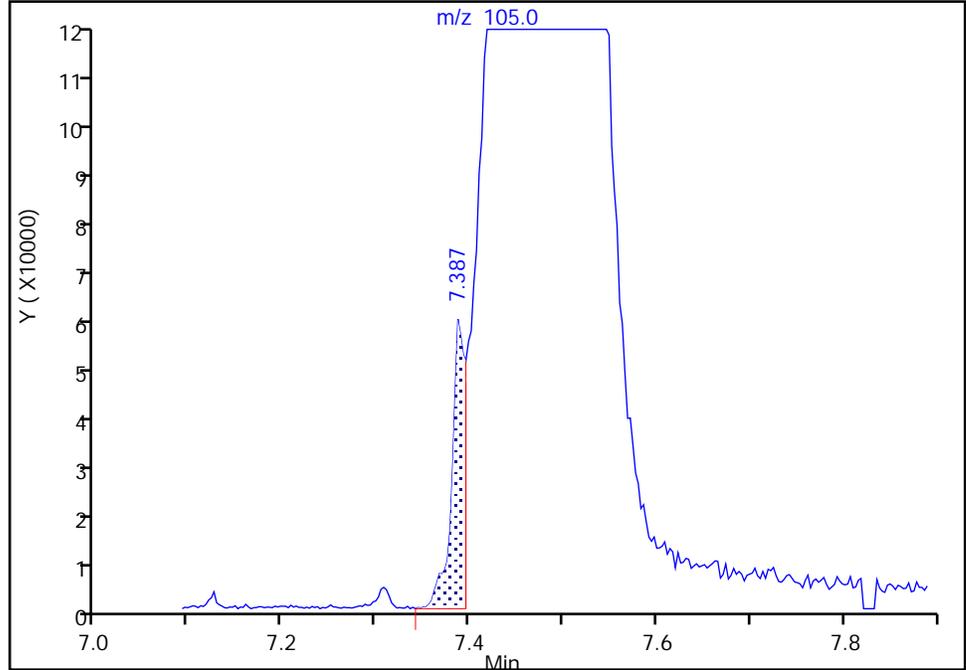
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Injection Date: 12-Nov-2021 14:06:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

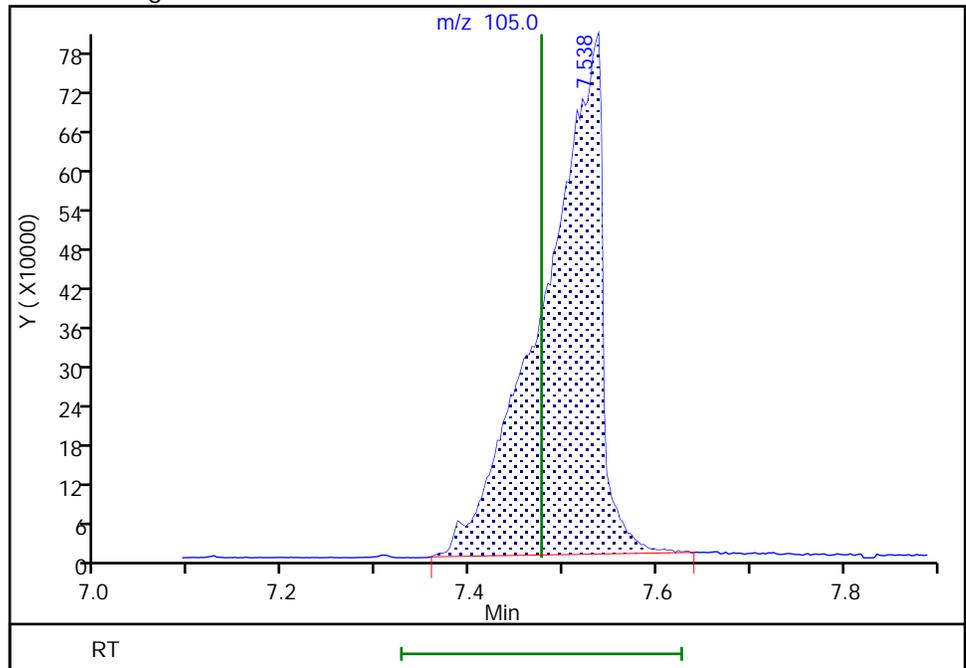
RT: 7.39
Area: 56806
Amount: 2.057795
Amount Units: ng/uL

Processing Integration Results



RT: 7.54
Area: 3501119
Amount: 61.529933
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:38:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

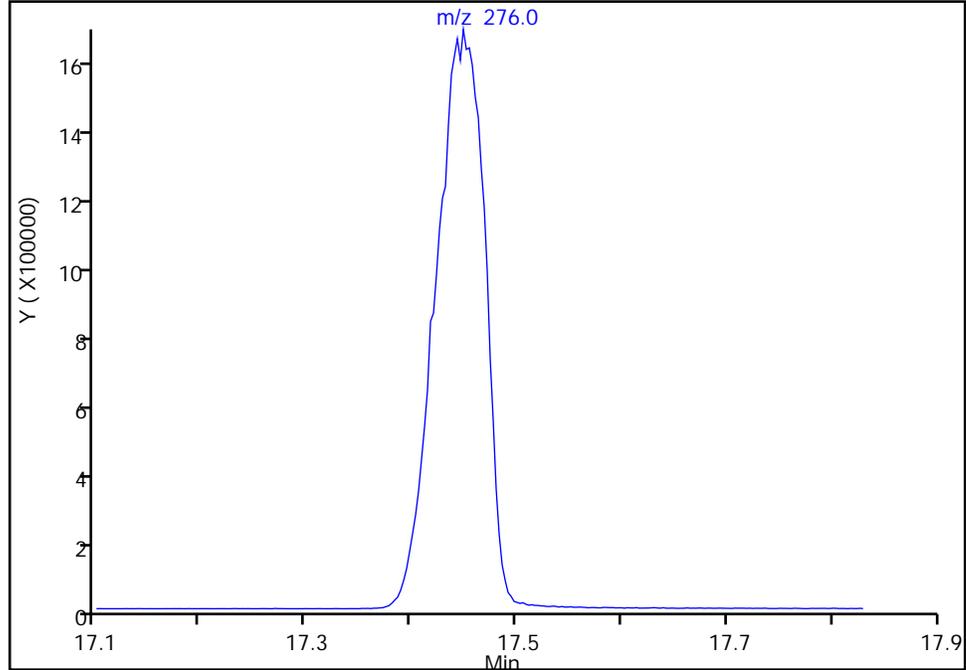
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Injection Date: 12-Nov-2021 14:06:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 12
Client ID:
Operator ID: JM ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

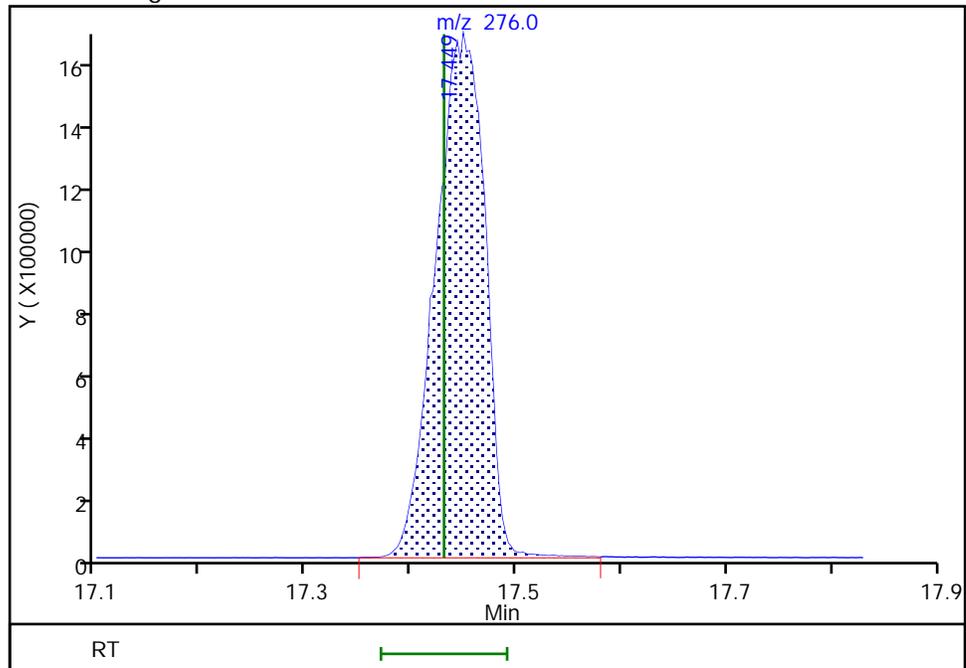
Not Detected
Expected RT: 17.43

Processing Integration Results



Manual Integration Results

RT: 17.45
Area: 5431346
Amount: 12.061124
Amount Units: ng/uL



Reviewer: marshallj, 12-Nov-2021 15:39:31
Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826643.D
 Lims ID: IC - List 1 - 16
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 12-Nov-2021 14:33:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-010
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:58:10 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:40:30

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	6.628	6.625	0.003	92	302153	4.00	4.00	a
* 2 Naphthalene-d8	136	7.721	7.715	0.006	99	1058020	4.00	4.00	
* 3 Acenaphthene-d10	164	9.211	9.205	0.006	90	651268	4.00	4.00	
* 4 Phenanthrene-d10	188	10.473	10.467	0.006	94	1200519	4.00	4.00	
* 5 Chrysene-d12	240	13.257	13.251	0.006	97	1175052	4.00	4.00	
* 6 Perylene-d12	264	15.524	15.518	0.006	98	1288557	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.485	5.482	0.003	89	1296057	16.0	16.0	
\$ 8 Phenol-d5	99	6.291	6.282	0.009	0	1512505	16.0	16.2	
\$ 9 Nitrobenzene-d5	82	7.097	7.094	0.003	86	1399130	16.0	16.1	M
\$ 10 2-Fluorobiphenyl	172	8.609	8.603	0.006	98	3421349	16.0	15.5	M
\$ 11 2,4,6-Tribromophenol	330	9.877	9.872	0.005	89	789770	16.0	16.2	
\$ 12 p-Terphenyl-d14	244	11.889	11.883	0.006	96	4782100	16.0	15.6	
13 1,4-Dioxane	88	3.694	3.700	-0.006	90	428648	16.0	15.4	
14 N-Nitrosodimethylamine	42	4.094	4.086	0.008	90	529101	16.0	16.0	
15 Pyridine	52	4.131	4.131	0.000	96	1152214	32.0	32.3	
35 Benzaldehyde	77	6.257	6.251	0.006	95	1540156	32.0	29.5	
37 Phenol	94	6.302	6.293	0.009	98	1503114	16.0	15.8	
36 Aniline	93	6.347	6.342	0.005	97	1942410	16.0	16.6	
39 Bis(2-chloroethyl)ether	93	6.379	6.373	0.006	99	947644	16.0	14.0	
40 2-Chlorophenol	128	6.455	6.449	0.006	94	1474000	16.0	15.9	
41 n-Decane	57	6.458	6.455	0.003	88	980093	16.0	15.7	
43 1,3-Dichlorobenzene	146	6.586	6.583	0.003	98	1742470	16.0	15.6	
44 1,4-Dichlorobenzene	146	6.643	6.642	0.001	95	1796233	16.0	15.9	
45 Benzyl alcohol	108	6.733	6.725	0.008	95	756522	16.0	14.4	
46 1,2-Dichlorobenzene	146	6.782	6.779	0.003	98	1642914	16.0	15.2	
48 2-Methylphenol	108	6.813	6.810	0.003	92	1236007	16.0	16.1	
49 2,2'-oxybis[1-chloropropane]	45	6.833	6.830	0.003	84	1011889	16.0	15.6	
47 Indene	115	6.861	6.855	0.006	90	11034029	80.0	69.7	e
57 4-Methylphenol	108	6.940	6.932	0.008	95	1285855	16.0	16.1	
53 N-Nitrosodi-n-propylamine	70	6.952	6.940	0.012	84	671970	16.0	15.0	a
52 Acetophenone	105	6.963	6.955	0.009	96	1641590	16.0	15.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.074	7.074	0.000	90	646485	16.0	15.8	
59 Nitrobenzene	77	7.116	7.111	0.005	85	1084117	16.0	14.5	
62 Isophorone	82	7.312	7.301	0.011	98	1949671	16.0	14.9	
64 2-Nitrophenol	139	7.383	7.380	0.003	95	819168	16.0	16.4	
66 2,4-Dimethylphenol	107	7.389	7.383	0.006	93	1228480	16.0	15.4	
69 Bis(2-chloroethoxy)methane	93	7.463	7.457	0.006	97	1240375	16.0	16.0	
70 Benzoic acid	105	7.556	7.477	0.079	88	4673792	80.0	85.4	M
72 2,4-Dichlorophenol	162	7.587	7.582	0.005	89	1234840	16.0	15.7	
73 1,2,4-Trichlorobenzene	180	7.661	7.658	0.003	94	1315429	16.0	14.8	
74 Naphthalene	128	7.741	7.735	0.006	98	4081660	16.0	15.4	
76 4-Chloroaniline	127	7.763	7.755	0.008	98	1459367	16.0	15.4	
77 2,6-Dichlorophenol	162	7.778	7.772	0.006	97	1346341	16.0	16.9	
79 Hexachlorobutadiene	225	7.829	7.828	0.001	93	1002320	16.0	16.3	
84 Caprolactam	113	8.098	8.053	0.045	87	781000	32.0	32.9	
85 4-Chloro-3-methylphenol	107	8.155	8.143	0.012	93	1066815	16.0	15.9	
87 2-Methylnaphthalene	142	8.317	8.314	0.003	92	2805193	16.0	15.0	
89 1-Methylnaphthalene	142	8.405	8.402	0.003	92	2781090	16.0	16.3	
90 Hexachlorocyclopentadiene	237	8.450	8.447	0.003	94	1158980	16.0	16.0	
91 1,2,4,5-Tetrachlorobenzene	216	8.461	8.458	0.003	96	1649961	16.0	15.6	
93 2,4,6-Trichlorophenol	196	8.547	8.544	0.003	88	1054750	16.0	16.0	M
94 2,4,5-Trichlorophenol	196	8.586	8.578	0.008	94	1051700	16.0	15.9	
96 1,1'-Biphenyl	154	8.703	8.697	0.006	95	3345267	16.0	14.5	
97 2-Chloronaphthalene	162	8.737	8.731	0.006	96	2627854	16.0	15.0	
100 2-Nitroaniline	65	8.805	8.796	0.009	92	597402	16.0	15.5	
105 Dimethyl phthalate	163	8.930	8.918	0.012	99	3001711	16.0	15.5	
106 1,3-Dinitrobenzene	168	8.972	8.961	0.011	95	527568	16.0	16.8	
107 2,6-Dinitrotoluene	165	8.992	8.983	0.009	91	757916	16.0	16.2	
108 Acenaphthylene	152	9.094	9.091	0.003	97	4173493	16.0	14.6	
109 3-Nitroaniline	138	9.148	9.139	0.009	93	720691	16.0	15.0	
111 2,4-Dinitrophenol	184	9.233	9.225	0.008	85	979163	32.0	34.8	
110 Acenaphthene	153	9.239	9.236	0.003	93	2758774	16.0	14.5	
112 4-Nitrophenol	109	9.267	9.253	0.014	84	781512	32.0	31.8	
114 2,4-Dinitrotoluene	165	9.338	9.330	0.008	94	996506	16.0	15.6	
115 Dibenzofuran	168	9.381	9.378	0.003	96	4089015	16.0	15.6	
118 2,3,4,6-Tetrachlorophenol	232	9.477	9.469	0.008	70	909651	16.0	16.1	
121 Hexadecane	57	9.500	9.497	0.003	96	1166250	16.0	15.4	
120 Diethyl phthalate	149	9.514	9.506	0.008	99	2937234	16.0	14.9	
123 4-Chlorophenyl phenyl ether	204	9.642	9.639	0.003	87	1665343	16.0	15.3	
126 4-Nitroaniline	138	9.673	9.659	0.014	53	795865	16.0	16.0	
124 Fluorene	166	9.673	9.667	0.006	92	3055708	16.0	14.9	
127 4,6-Dinitro-2-methylphenol	198	9.693	9.679	0.014	93	1205609	32.0	31.9	
130 N-Nitrosodiphenylamine	169	9.738	9.733	0.005	63	2287693	16.0	15.2	
129 Diphenylamine	169	9.738	9.733	0.005	92	2287693	13.7	13.0	
131 1,2-Diphenylhydrazine	77	9.778	9.775	0.003	43	2307939	16.0	15.2	
132 Azobenzene	77	9.778	9.775	0.003	97	2307939	16.0	15.2	
139 4-Bromophenyl phenyl ether	248	10.059	10.056	0.003	58	1242428	16.0	16.3	
140 Hexachlorobenzene	284	10.147	10.144	0.003	95	1530599	16.0	16.1	
143 Atrazine	200	10.164	10.150	0.014	94	1847246	32.0	30.2	
148 n-Octadecane	57	10.269	10.266	0.003	96	1273445	16.0	15.9	
145 Pentachlorophenol	266	10.303	10.297	0.006	95	1587314	32.0	34.4	
151 Phenanthrene	178	10.496	10.490	0.006	96	4732128	16.0	15.1	
152 Anthracene	178	10.539	10.533	0.006	96	4648144	16.0	15.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.655	10.649	0.006	96	4145479	16.0	15.6	
157 Di-n-butyl phthalate	149	10.873	10.870	0.003	100	5209132	16.0	15.4	
164 Fluoranthene	202	11.552	11.546	0.006	97	5351448	16.0	15.4	
166 Benzidine	184	11.640	11.631	0.009	99	5124677	32.0	29.5	
167 Pyrene	202	11.793	11.787	0.006	99	5430525	16.0	15.3	
174 Butyl benzyl phthalate	149	12.394	12.391	0.003	95	2390620	16.0	16.1	
181 Bis(2-ethylhexyl) phthalate	149	13.121	13.115	0.006	94	3521521	16.0	16.7	
179 3,3'-Dichlorobenzidine	252	13.166	13.152	0.014	72	4629106	32.0	31.9	
180 Benzo[a]anthracene	228	13.243	13.234	0.009	97	5506391	16.0	15.5	
182 Chrysene	228	13.302	13.288	0.014	96	5232804	16.0	15.5	
184 Di-n-octyl phthalate	149	14.097	14.091	0.006	98	5911293	16.0	16.1	
186 Benzo[b]fluoranthene	252	14.903	14.883	0.020	96	6037366	16.0	16.2	
187 Benzo[k]fluoranthene	252	14.945	14.928	0.017	98	5801832	16.0	15.4	
189 Benzo[a]pyrene	252	15.448	15.428	0.020	77	5759777	16.0	16.2	
193 Indeno[1,2,3-cd]pyrene	276	17.462	17.431	0.031	96	7174476	16.0	16.6	a
194 Dibenz(a,h)anthracene	278	17.476	17.442	0.034	92	6371487	16.0	17.1	
195 Benzo[g,h,i]perylene	276	18.035	17.996	0.039	97	6185186	16.0	16.6	a
S 261 Total Cresols	1				0			32.3	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1LVI_WRK_00515

Amount Added: 1.00

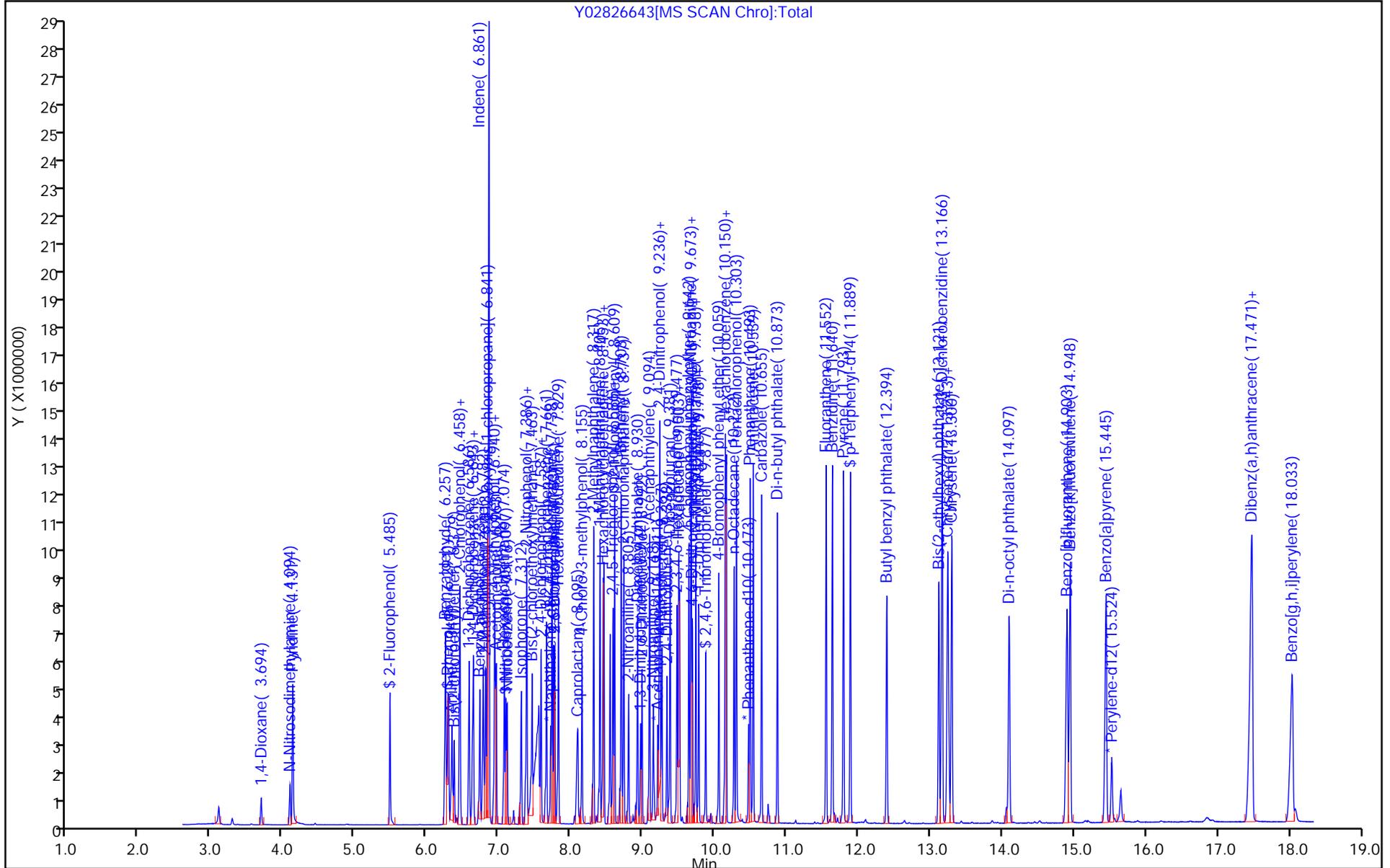
Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent



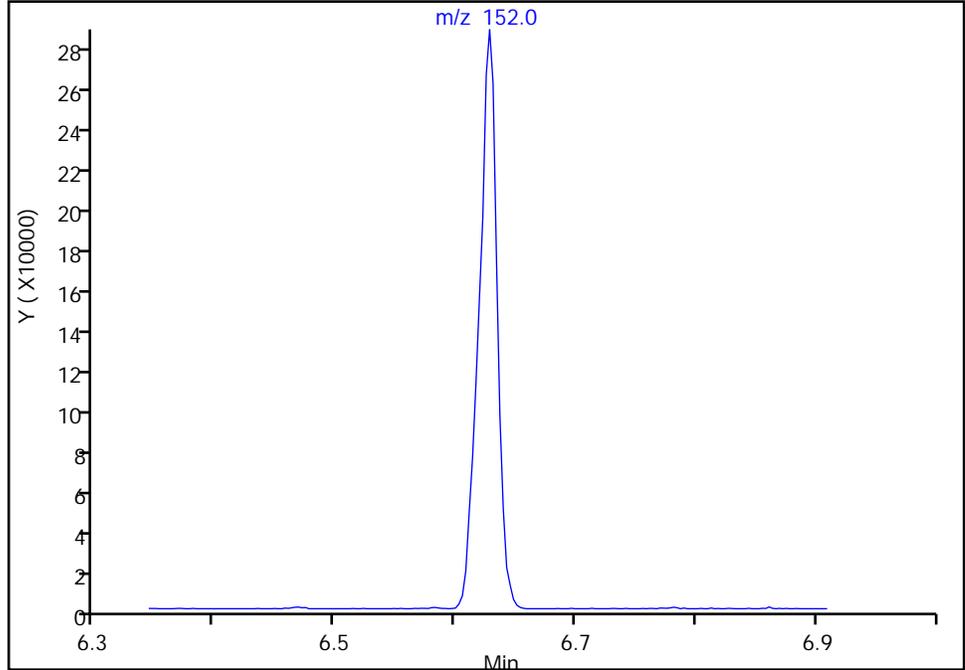
Eurofins TestAmerica, Buffalo

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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

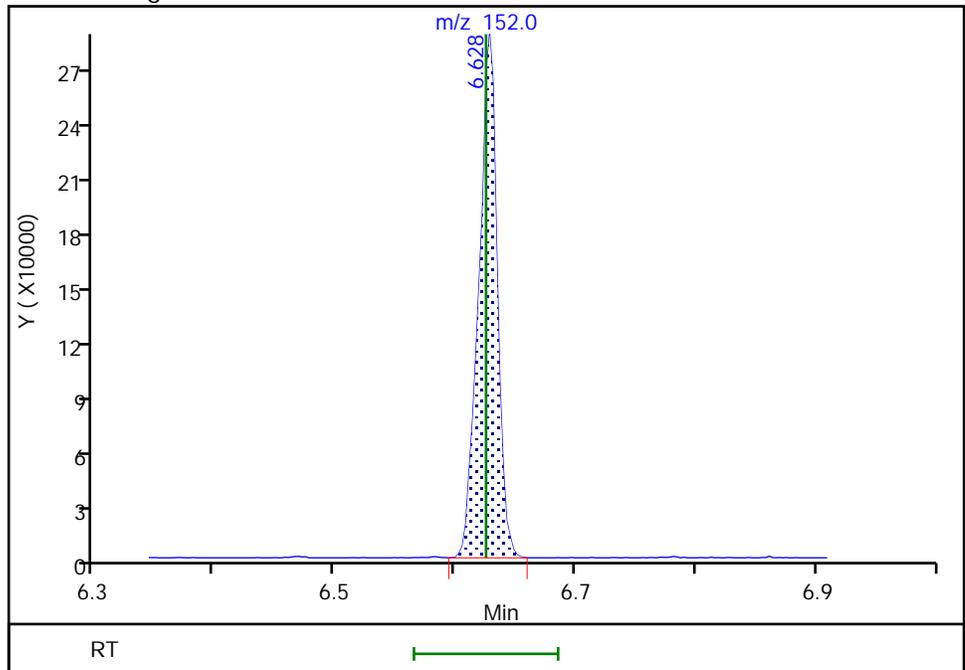
* 1,4-Dichlorobenzene-d4, CAS: 3855-82-1
Signal: 1

Not Detected
Expected RT: 6.63

Processing Integration Results



Manual Integration Results



RT: 6.63
Area: 302153
Amount: 4.000000
Amount Units: ng/uL

Eurofins TestAmerica, Buffalo

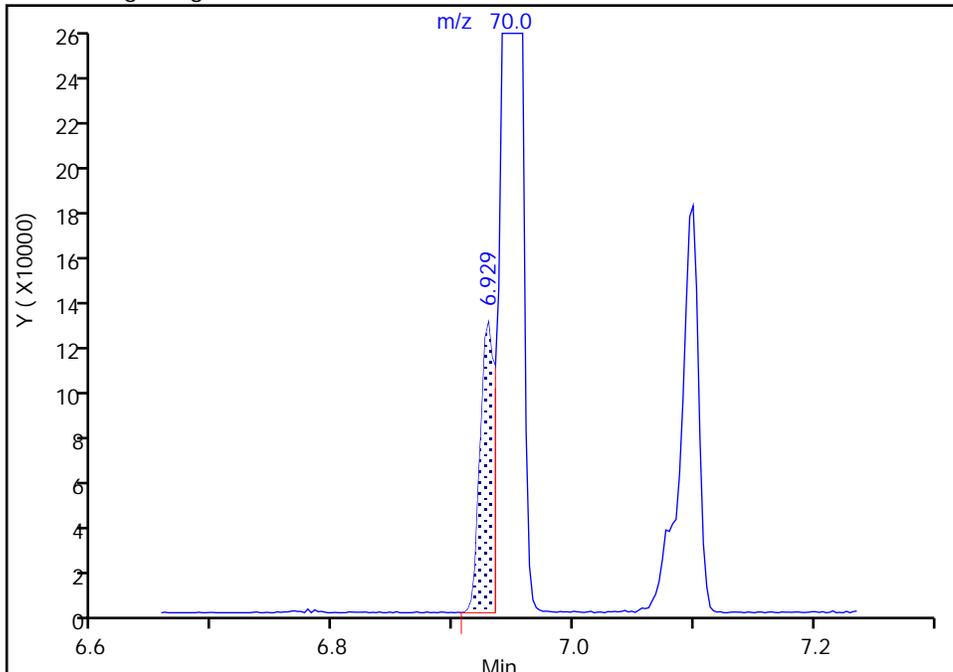
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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

53 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

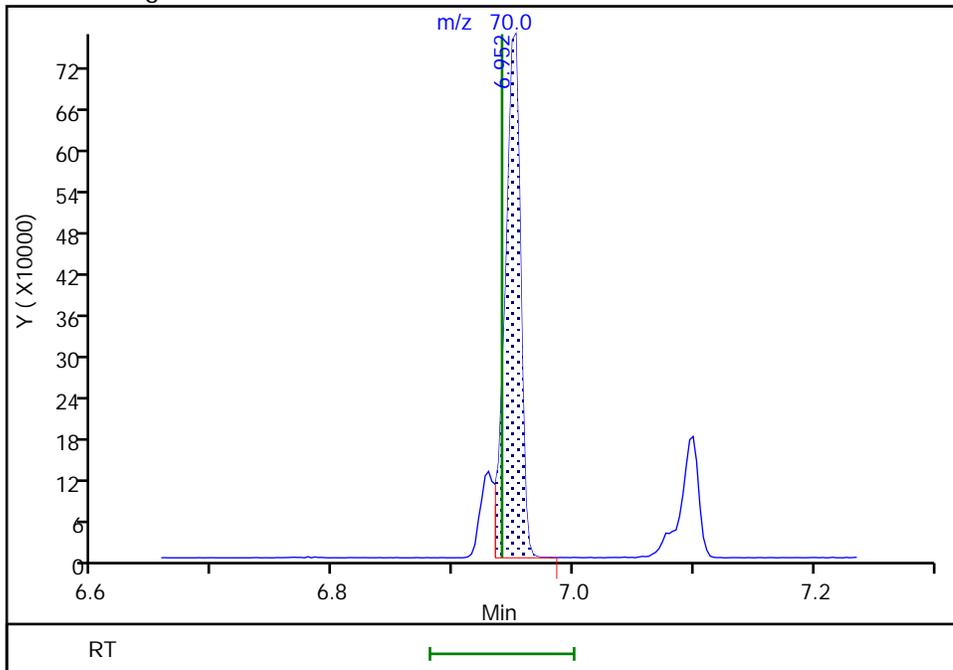
RT: 6.93
Area: 107349
Amount: 2.698951
Amount Units: ng/uL

Processing Integration Results



RT: 6.95
Area: 671970
Amount: 14.994111
Amount Units: ng/uL

Manual Integration Results



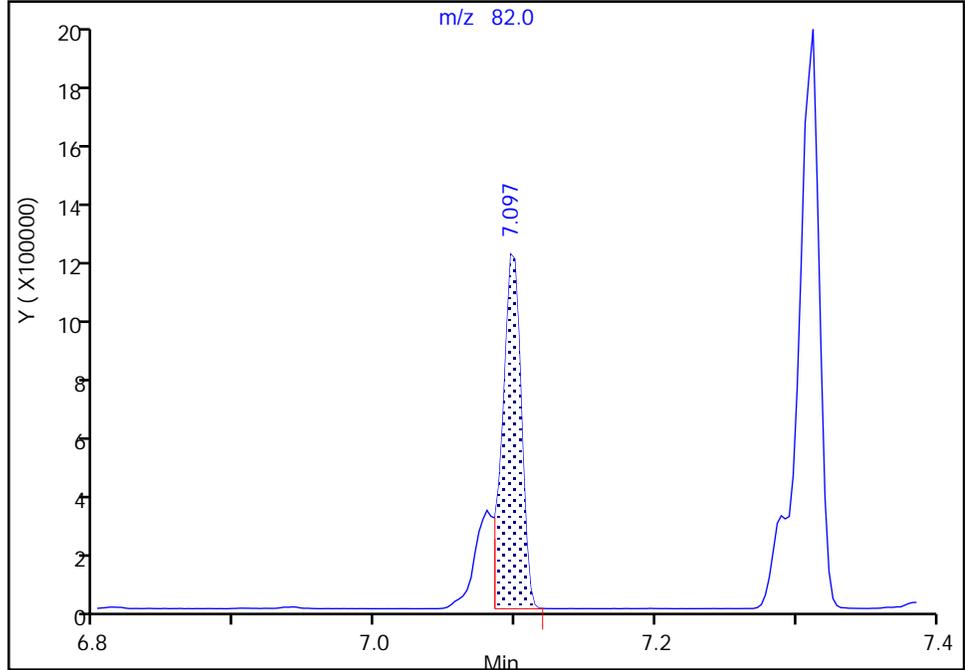
Eurofins TestAmerica, Buffalo

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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0
Signal: 1

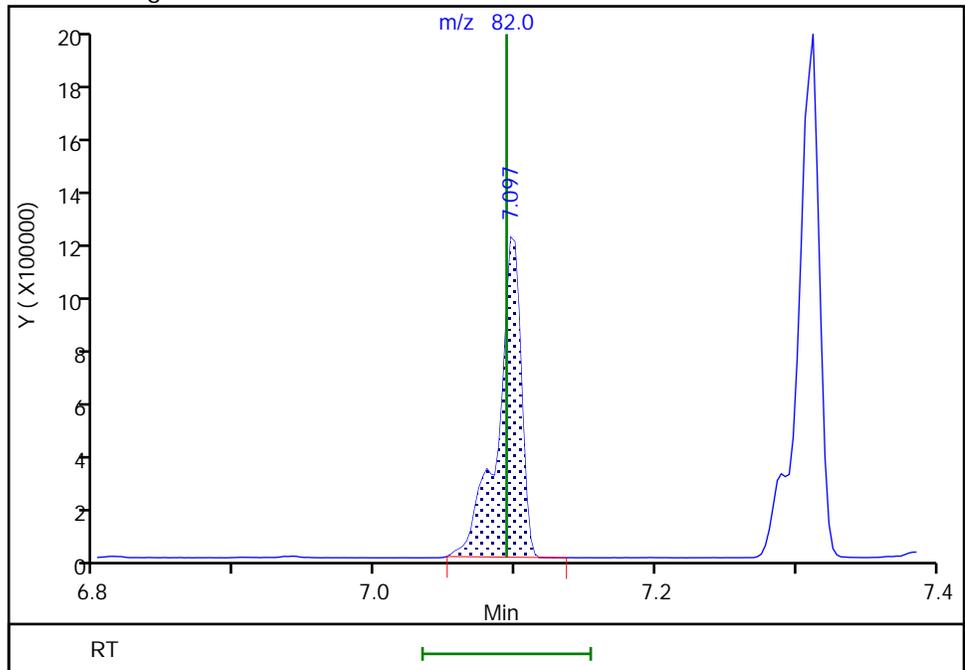
RT: 7.10
Area: 1120861
Amount: 13.239791
Amount Units: ng/uL

Processing Integration Results



RT: 7.10
Area: 1399130
Amount: 16.055554
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:40:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Buffalo

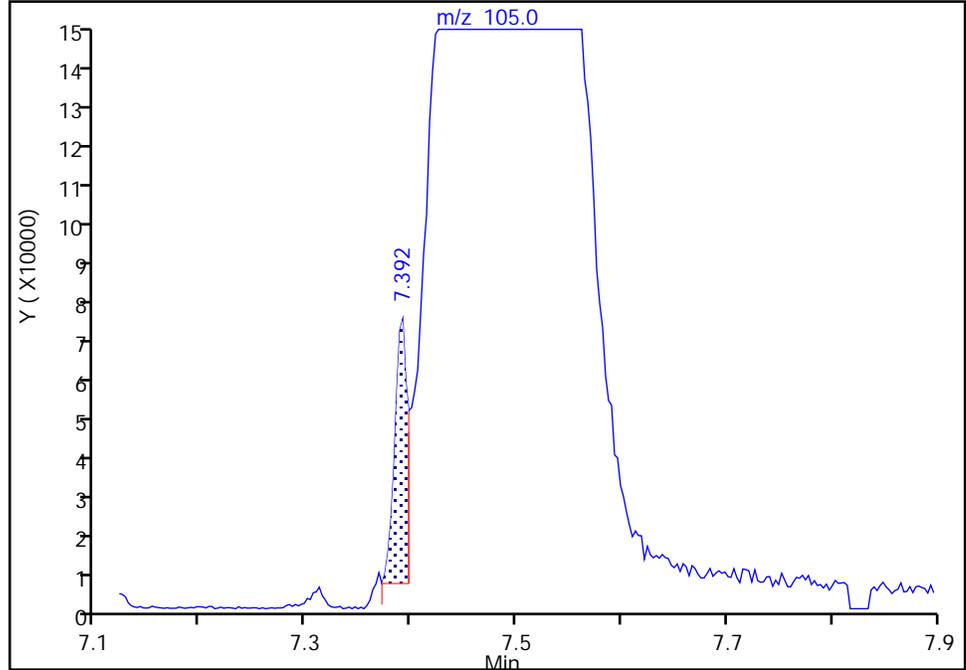
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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

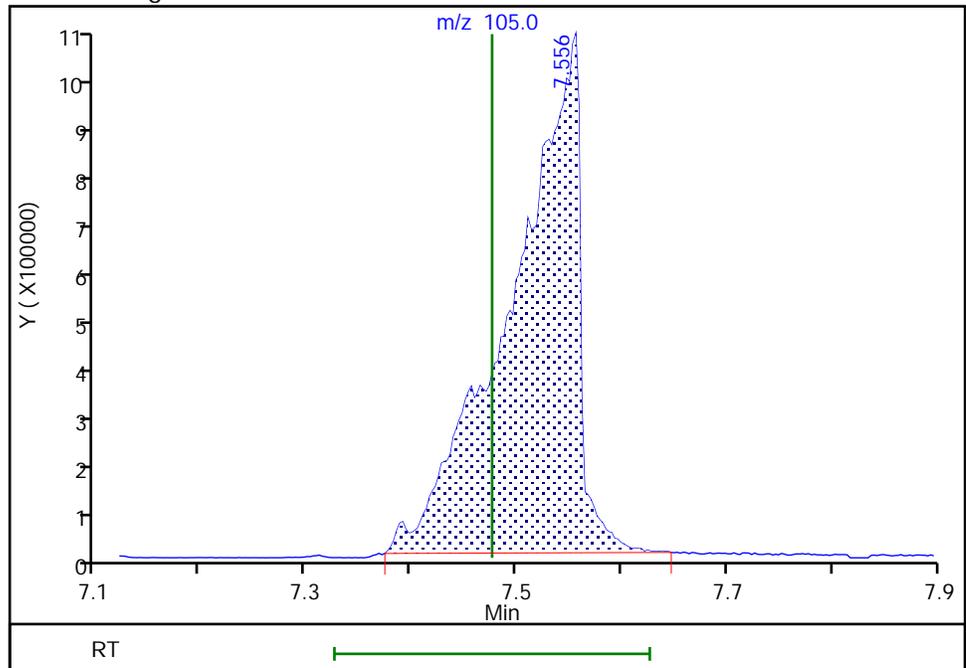
RT: 7.39
Area: 54500
Amount: 2.518222
Amount Units: ng/uL

Processing Integration Results



RT: 7.56
Area: 4673792
Amount: 85.429217
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:39:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins TestAmerica, Buffalo

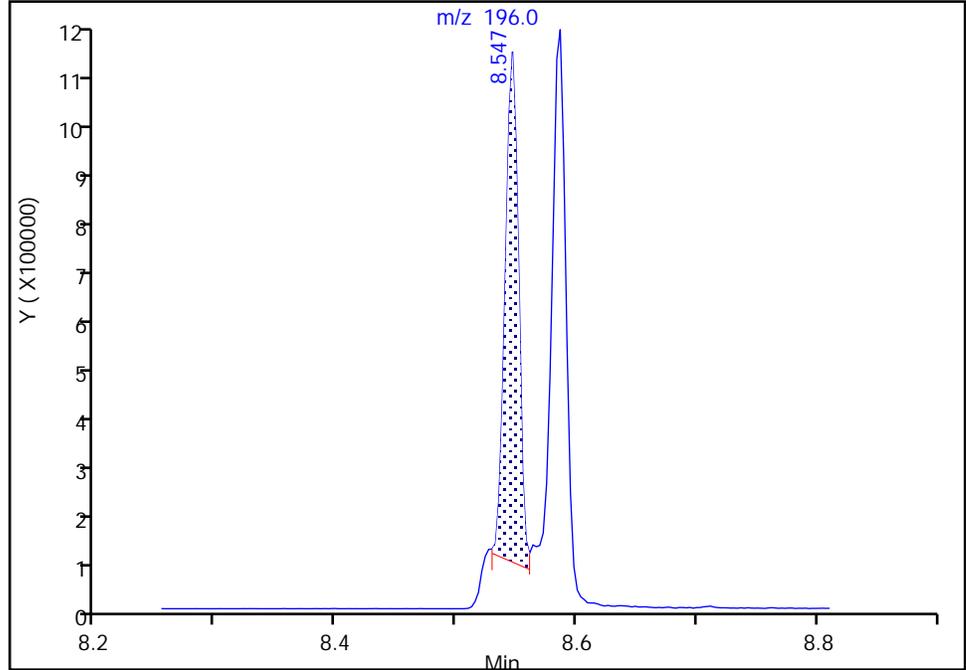
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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

93 2,4,6-Trichlorophenol, CAS: 88-06-2

Signal: 1

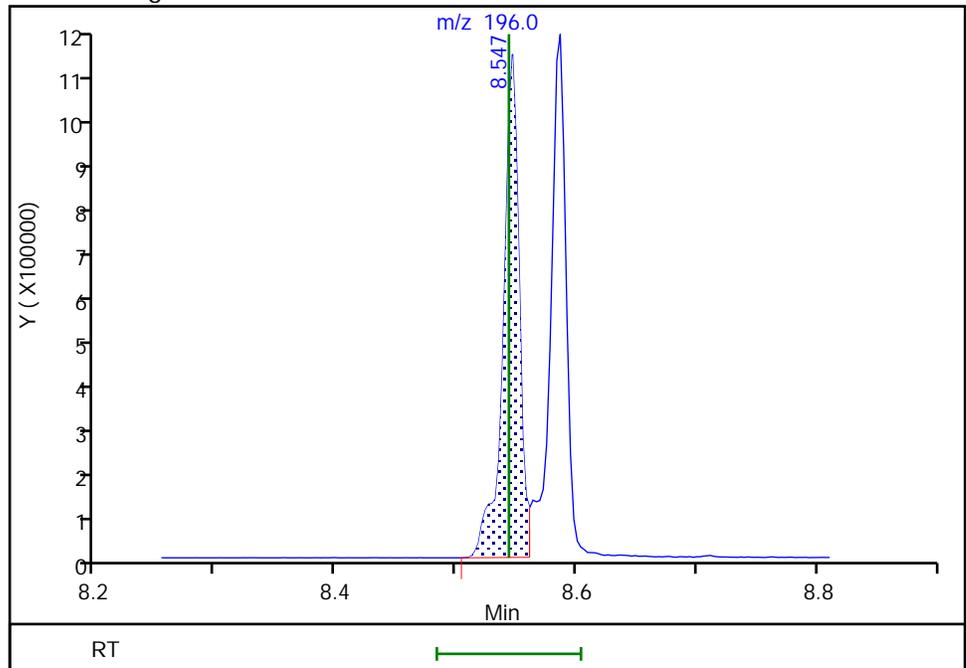
RT: 8.55
Area: 800333
Amount: 12.828163
Amount Units: ng/uL

Processing Integration Results



RT: 8.55
Area: 1054750
Amount: 15.962735
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:41:55
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

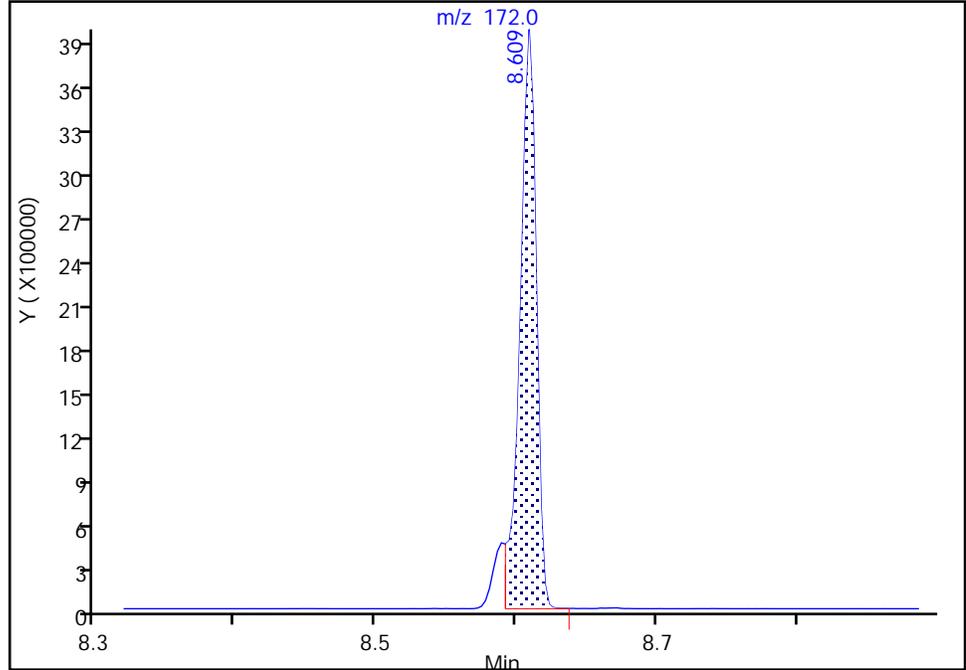
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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

\$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

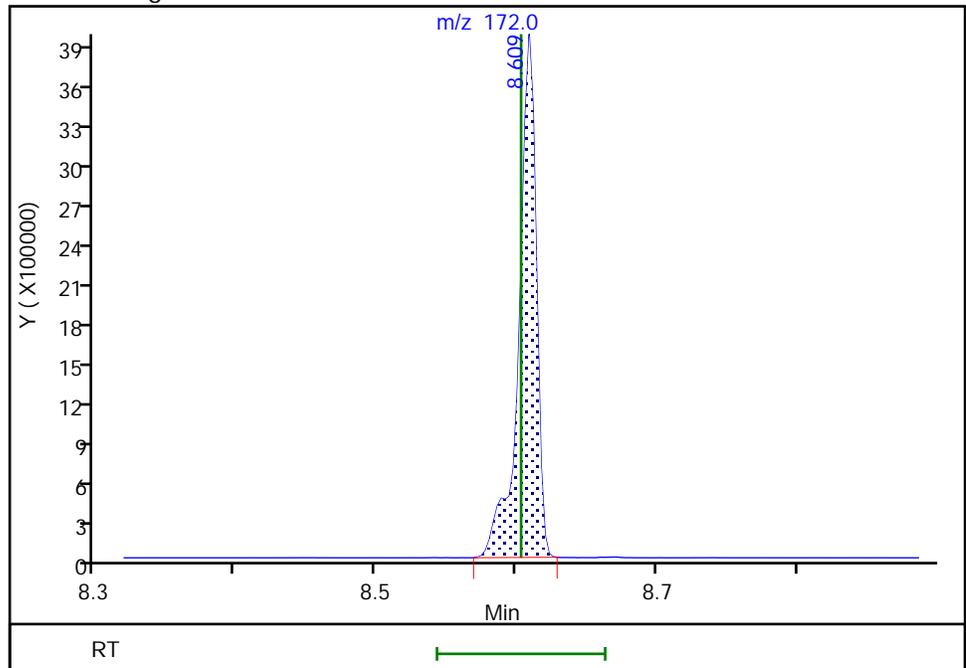
RT: 8.61
Area: 3203967
Amount: 14.643619
Amount Units: ng/uL

Processing Integration Results



RT: 8.61
Area: 3421349
Amount: 15.499660
Amount Units: ng/uL

Manual Integration Results



Eurofins TestAmerica, Buffalo

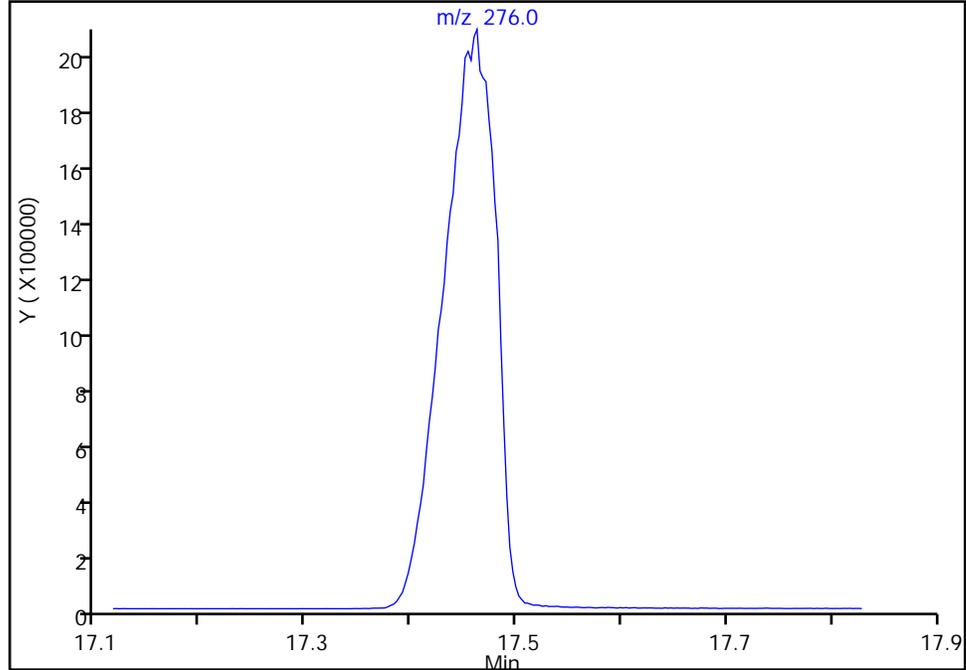
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Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

193 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

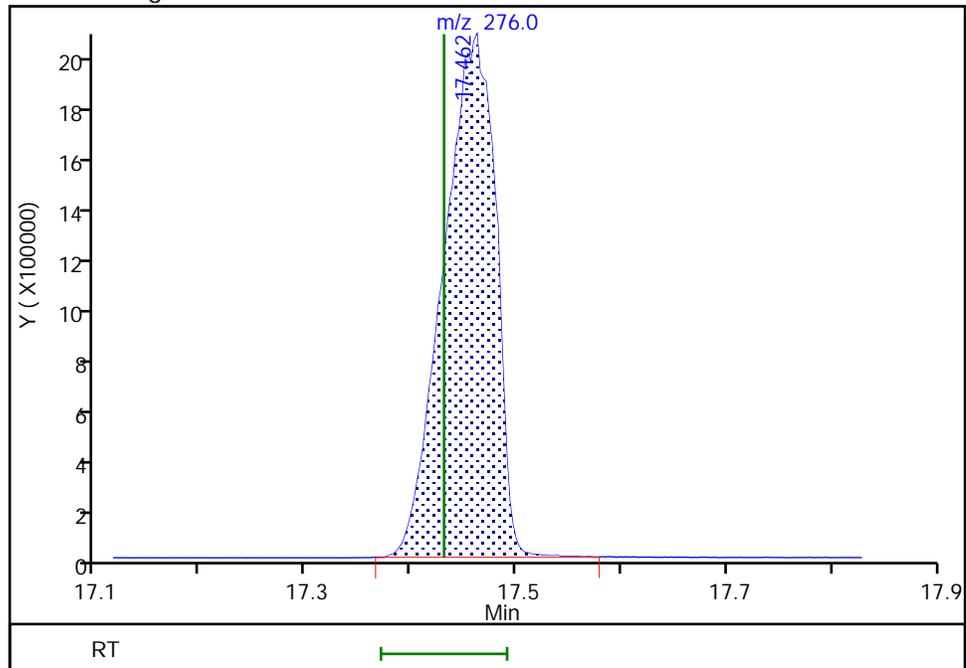
Not Detected
Expected RT: 17.43

Processing Integration Results



Manual Integration Results

RT: 17.46
Area: 7174476
Amount: 16.551392
Amount Units: ng/uL



Reviewer: marshallj, 12-Nov-2021 15:39:46
Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Buffalo

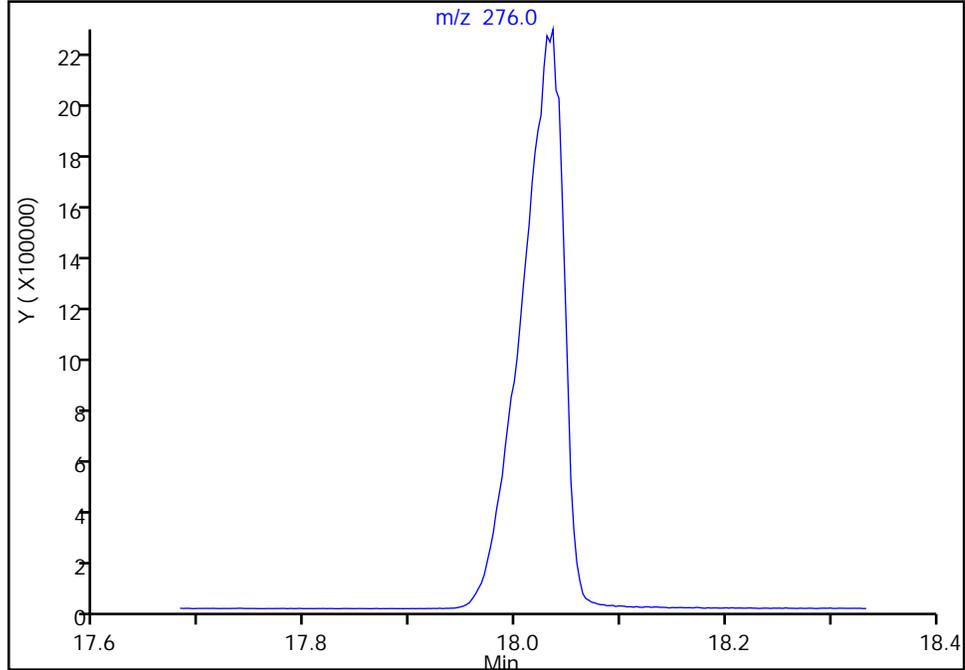
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Injection Date: 12-Nov-2021 14:33:30 Instrument ID: HP5973Y
Lims ID: IC - List 1 - 16
Client ID:
Operator ID: JM ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

195 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

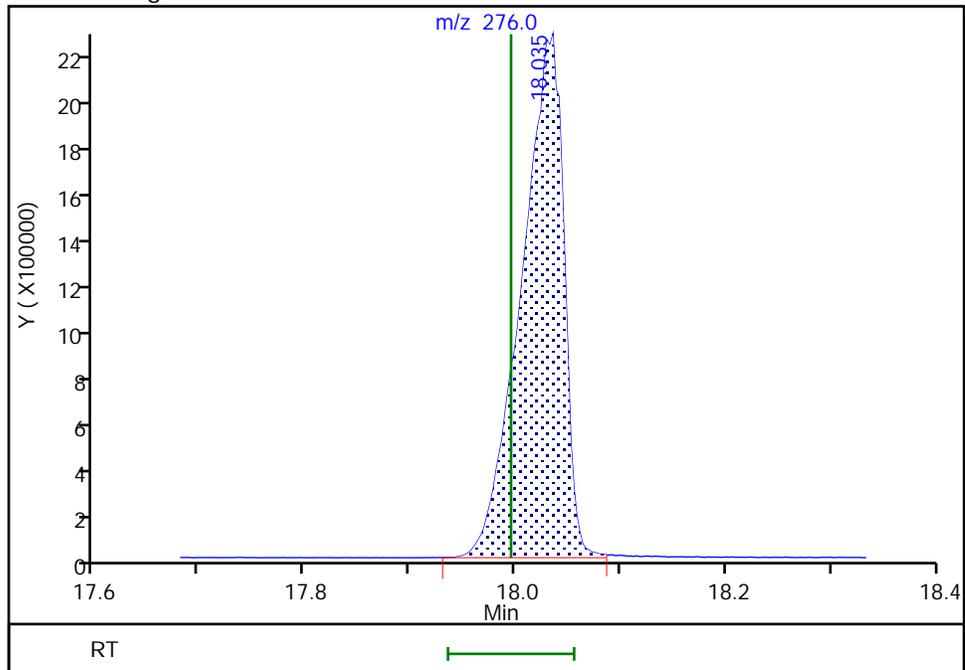
Not Detected
Expected RT: 18.00

Processing Integration Results



Manual Integration Results

RT: 18.04
Area: 6185186
Amount: 16.589438
Amount Units: ng/uL



Calibration

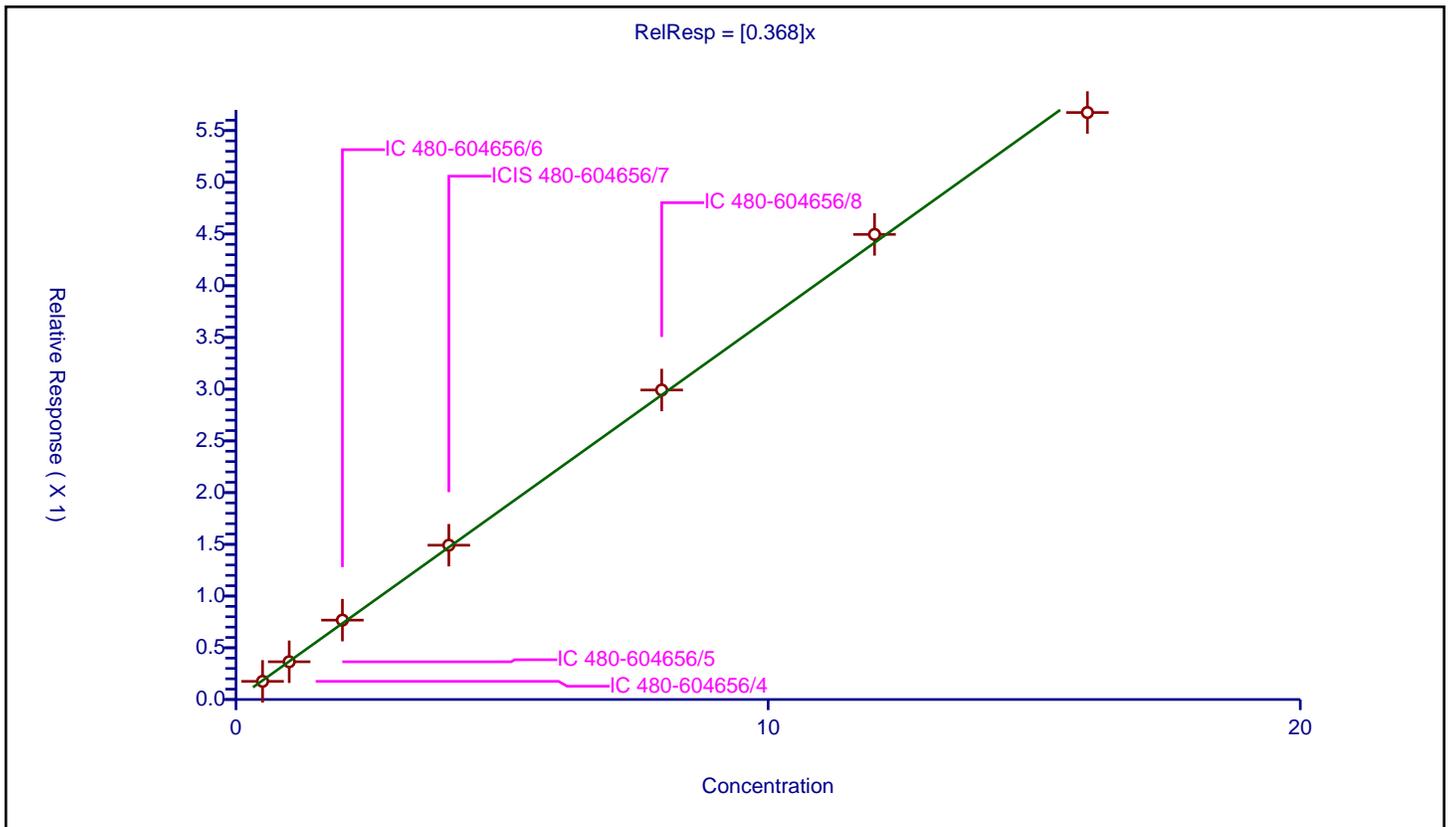
/ 1,4-Dioxane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.368

Error Coefficients	
Standard Error:	249000
Relative Standard Error:	3.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.175542	4.0	304337.0	0.351084	Y
2	IC 480-604656/5	1.0	0.36483	4.0	307771.0	0.36483	Y
3	IC 480-604656/6	2.0	0.767405	4.0	307191.0	0.383703	Y
4	ICIS 480-604656/7	4.0	1.491727	4.0	308051.0	0.372932	Y
5	IC 480-604656/8	8.0	2.992057	4.0	309839.0	0.374007	Y
6	IC 480-604656/9	12.0	4.496342	4.0	304298.0	0.374695	Y
7	IC 480-604656/10	16.0	5.674582	4.0	302153.0	0.354661	Y



Calibration

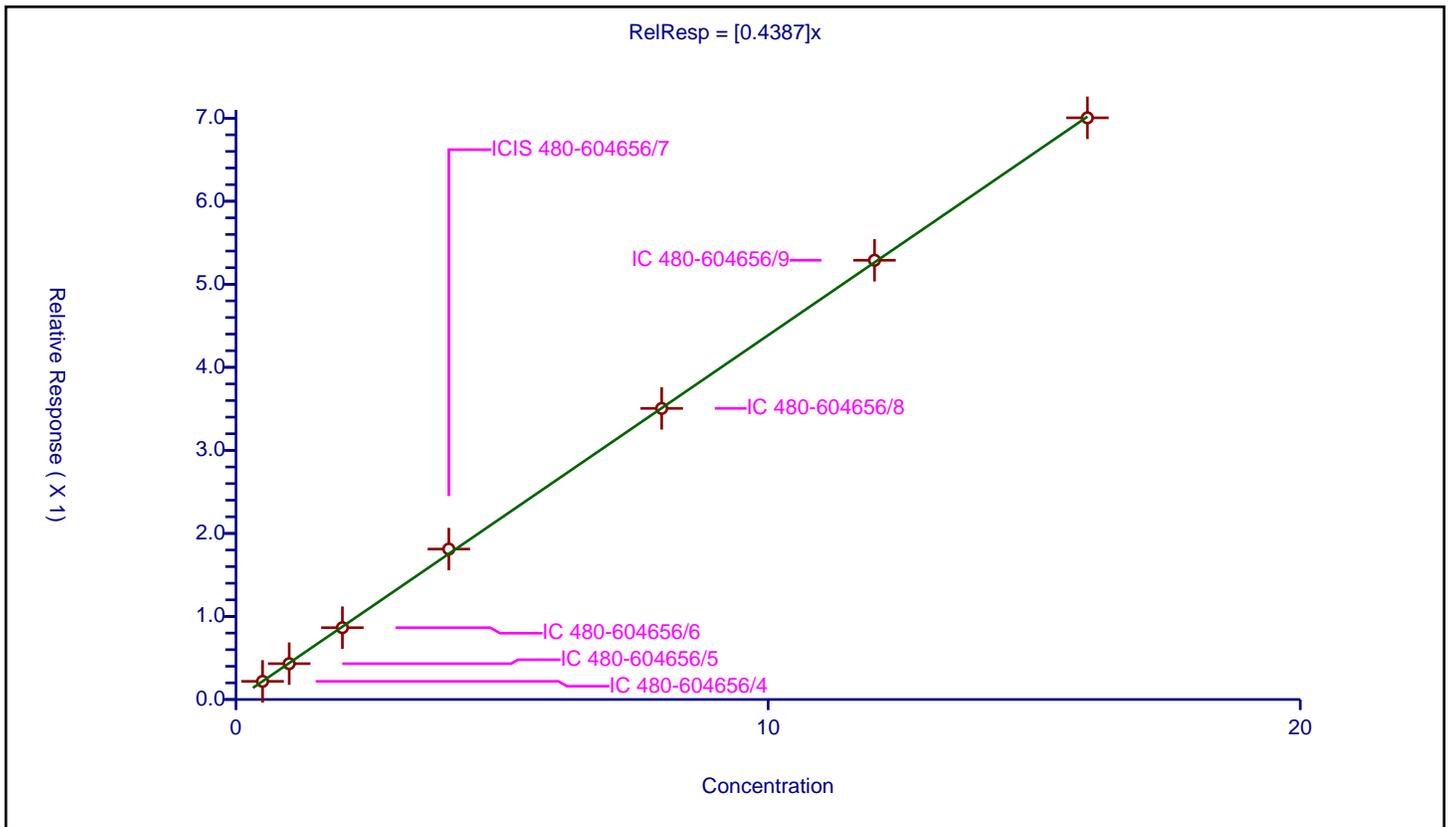
/ N-Nitrosodimethylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4387

Error Coefficients	
Standard Error:	300000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.21856	4.0	304337.0	0.437121	Y
2	IC 480-604656/5	1.0	0.431464	4.0	307771.0	0.431464	Y
3	IC 480-604656/6	2.0	0.864856	4.0	307191.0	0.432428	Y
4	ICIS 480-604656/7	4.0	1.811401	4.0	308051.0	0.45285	Y
5	IC 480-604656/8	8.0	3.505395	4.0	309839.0	0.438174	Y
6	IC 480-604656/9	12.0	5.289144	4.0	304298.0	0.440762	Y
7	IC 480-604656/10	16.0	7.004412	4.0	302153.0	0.437776	Y



Calibration

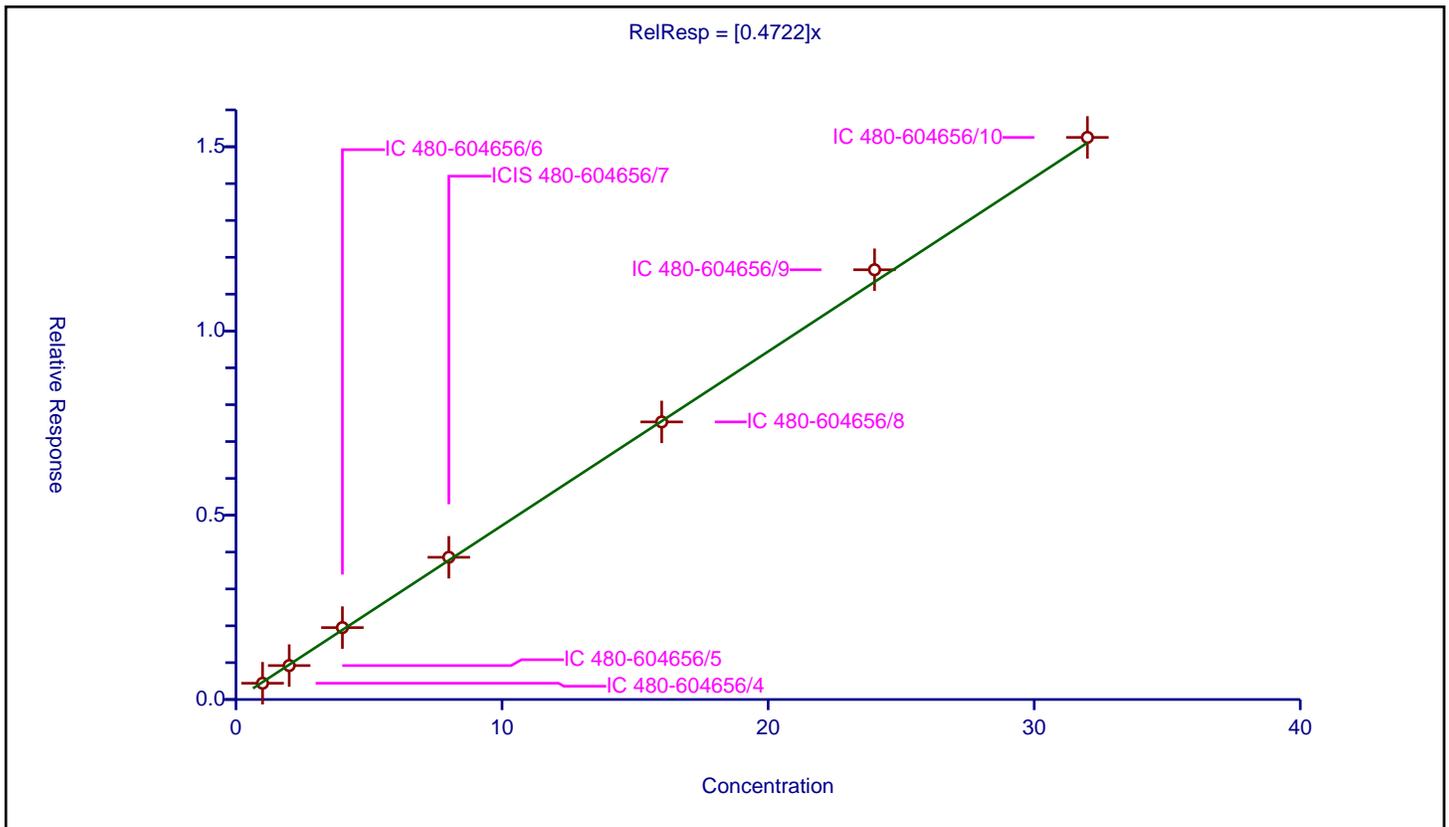
/ Pyridine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4722

Error Coefficients	
Standard Error:	655000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.441248	4.0	304337.0	0.441248	Y
2	IC 480-604656/5	2.0	0.920672	4.0	307771.0	0.460336	Y
3	IC 480-604656/6	4.0	1.950917	4.0	307191.0	0.487729	Y
4	ICIS 480-604656/7	8.0	3.859309	4.0	308051.0	0.482414	Y
5	IC 480-604656/8	16.0	7.532183	4.0	309839.0	0.470761	Y
6	IC 480-604656/9	24.0	11.661621	4.0	304298.0	0.485901	Y
7	IC 480-604656/10	32.0	15.253385	4.0	302153.0	0.476668	Y



Calibration

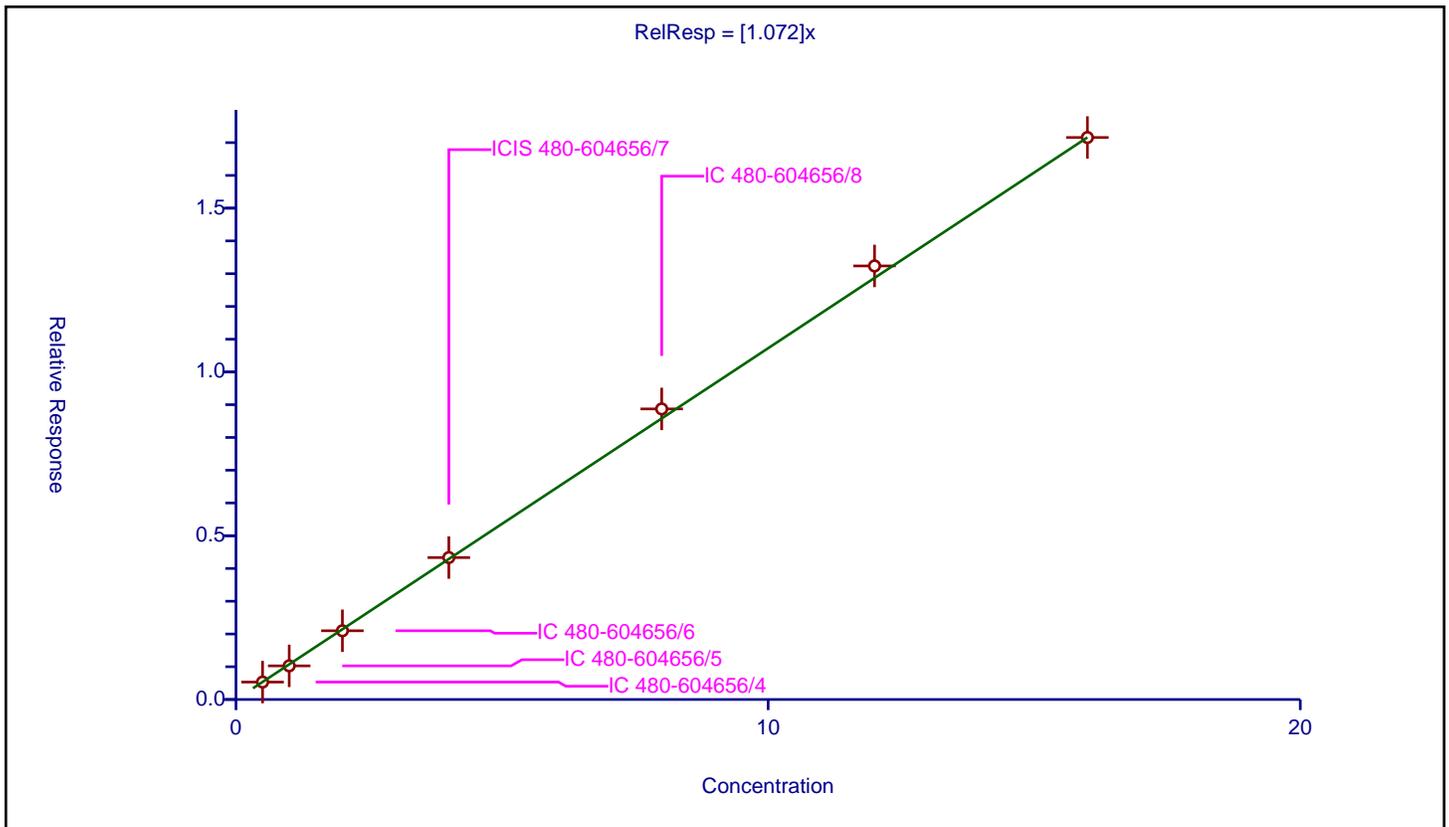
/ 2-Fluorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.072

Error Coefficients	
Standard Error:	743000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.531831	4.0	304337.0	1.063663	Y
2	IC 480-604656/5	1.0	1.026984	4.0	307771.0	1.026984	Y
3	IC 480-604656/6	2.0	2.098291	4.0	307191.0	1.049145	Y
4	ICIS 480-604656/7	4.0	4.33314	4.0	308051.0	1.083285	Y
5	IC 480-604656/8	8.0	8.870517	4.0	309839.0	1.108815	Y
6	IC 480-604656/9	12.0	13.236525	4.0	304298.0	1.103044	Y
7	IC 480-604656/10	16.0	17.157625	4.0	302153.0	1.072352	Y



Calibration

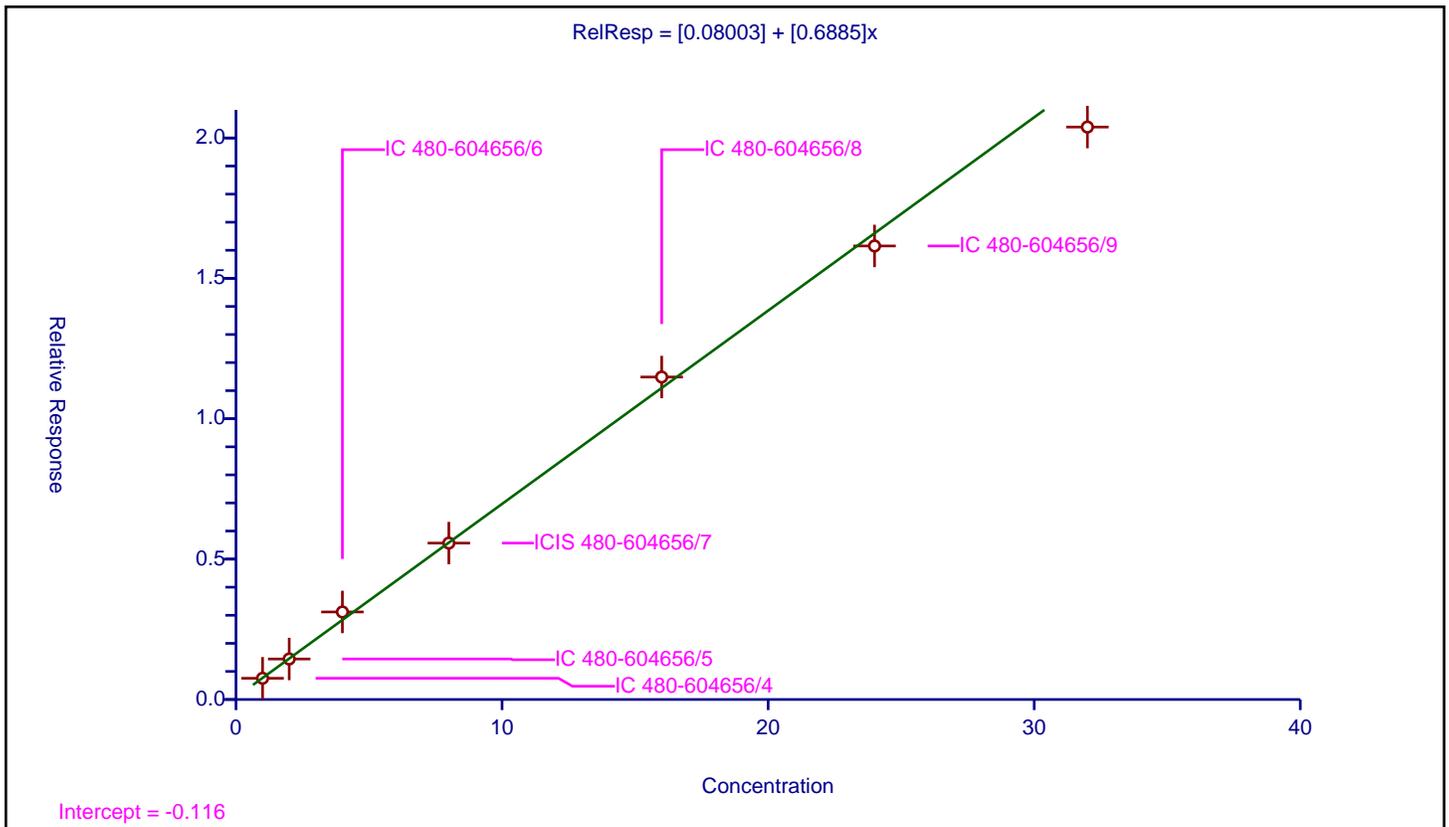
/ Benzaldehyde

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.08003
Slope:	0.6885

Error Coefficients	
Standard Error:	993000
Relative Standard Error:	6.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.755833	4.0	304337.0	0.755833	Y
2	IC 480-604656/5	2.0	1.442111	4.0	307771.0	0.721056	Y
3	IC 480-604656/6	4.0	3.1175	4.0	307191.0	0.779375	Y
4	ICIS 480-604656/7	8.0	5.570298	4.0	308051.0	0.696287	Y
5	IC 480-604656/8	16.0	11.485617	4.0	309839.0	0.717851	Y
6	IC 480-604656/9	24.0	16.153573	4.0	304298.0	0.673066	Y
7	IC 480-604656/10	32.0	20.389088	4.0	302153.0	0.637159	Y



Calibration

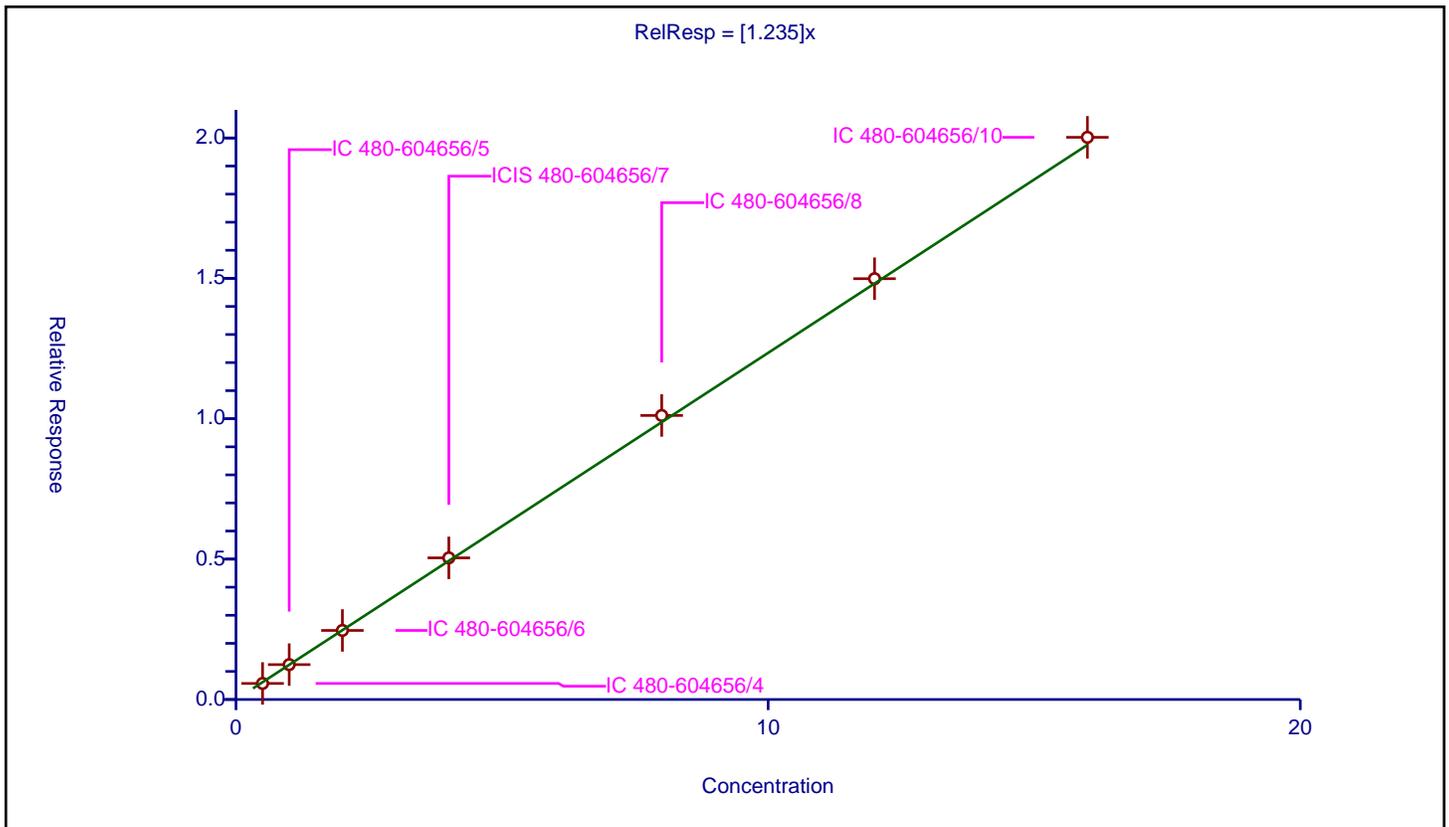
/ Phenol-d5

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.235

Error Coefficients	
Standard Error:	856000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.572155	4.0	304337.0	1.14431	Y
2	IC 480-604656/5	1.0	1.241975	4.0	307771.0	1.241975	Y
3	IC 480-604656/6	2.0	2.459968	4.0	307191.0	1.229984	Y
4	ICIS 480-604656/7	4.0	5.044269	4.0	308051.0	1.261067	Y
5	IC 480-604656/8	8.0	10.115744	4.0	309839.0	1.264468	Y
6	IC 480-604656/9	12.0	14.988294	4.0	304298.0	1.249025	Y
7	IC 480-604656/10	16.0	20.023035	4.0	302153.0	1.25144	Y



Calibration

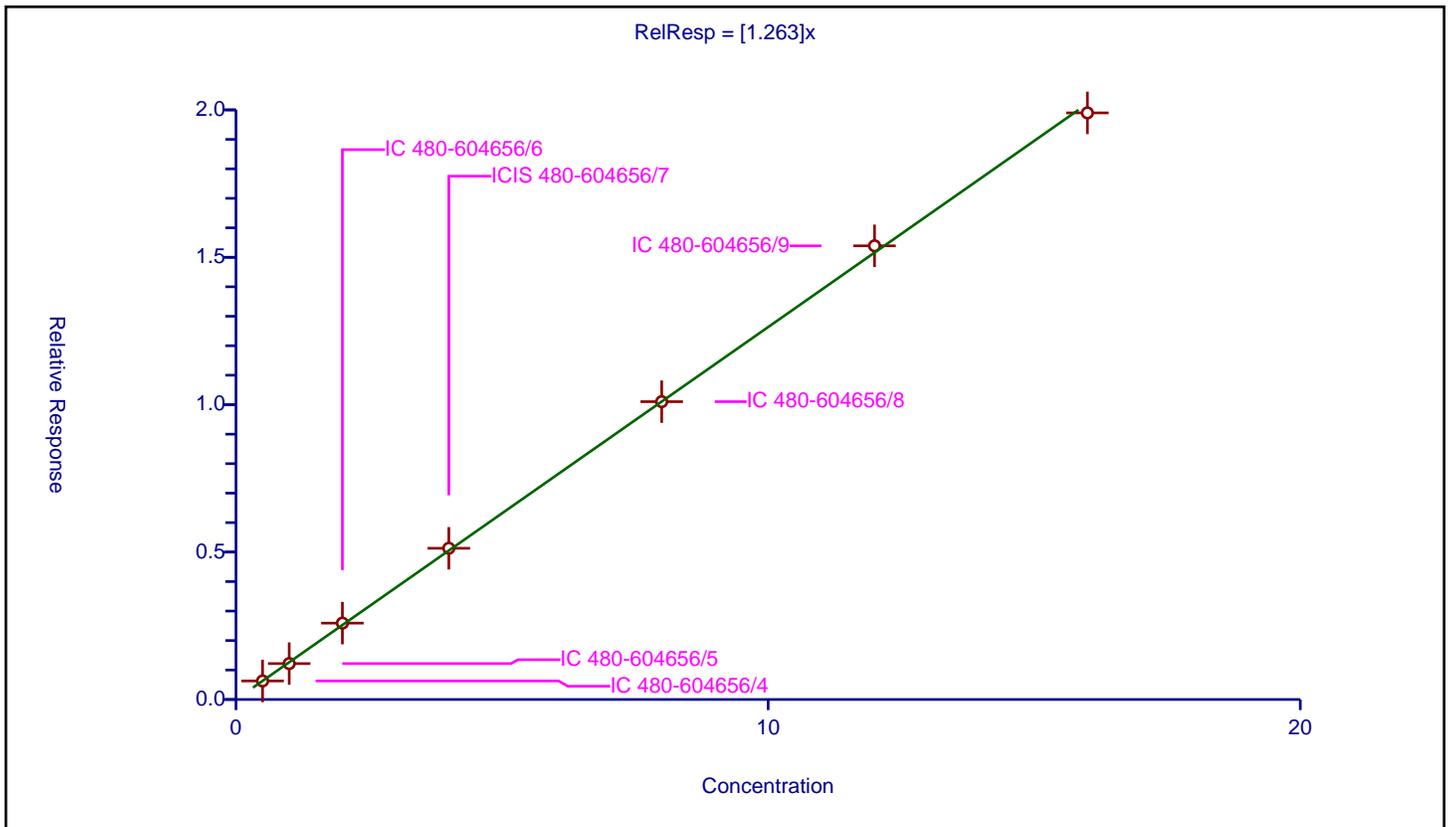
/ Phenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.263

Error Coefficients	
Standard Error:	861000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.629	4.0	304337.0	1.258	Y
2	IC 480-604656/5	1.0	1.217854	4.0	307771.0	1.217854	Y
3	IC 480-604656/6	2.0	2.591196	4.0	307191.0	1.295598	Y
4	ICIS 480-604656/7	4.0	5.130112	4.0	308051.0	1.282528	Y
5	IC 480-604656/8	8.0	10.103079	4.0	309839.0	1.262885	Y
6	IC 480-604656/9	12.0	15.388481	4.0	304298.0	1.282373	Y
7	IC 480-604656/10	16.0	19.898714	4.0	302153.0	1.24367	Y



Calibration

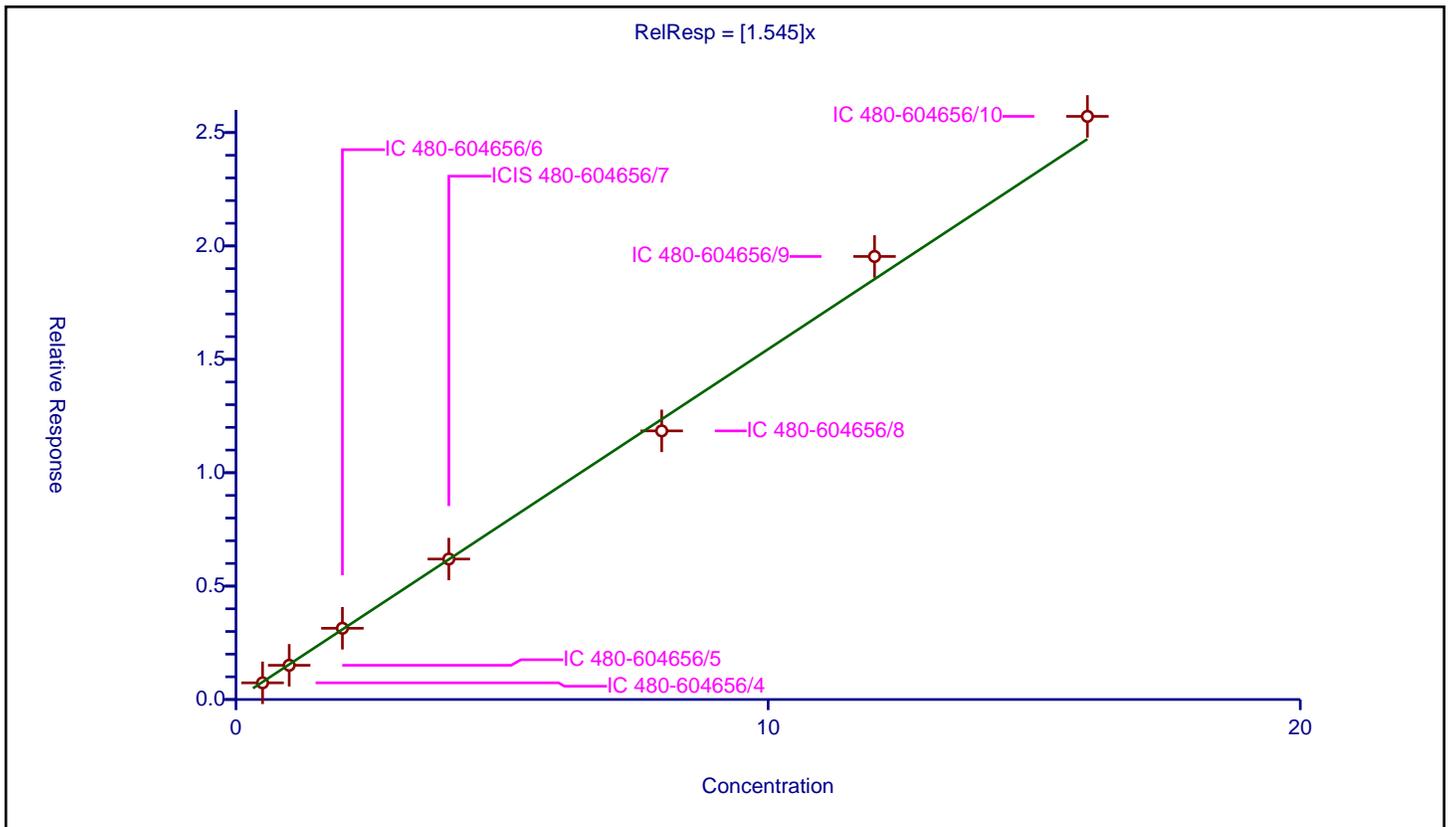
/ Aniline

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.545

Error Coefficients	
Standard Error:	1090000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.734462	4.0	304337.0	1.468924	Y
2	IC 480-604656/5	1.0	1.508992	4.0	307771.0	1.508992	Y
3	IC 480-604656/6	2.0	3.14099	4.0	307191.0	1.570495	Y
4	ICIS 480-604656/7	4.0	6.194364	4.0	308051.0	1.548591	Y
5	IC 480-604656/8	8.0	11.844913	4.0	309839.0	1.480614	Y
6	IC 480-604656/9	12.0	19.536717	4.0	304298.0	1.62806	Y
7	IC 480-604656/10	16.0	25.714257	4.0	302153.0	1.607141	Y



Calibration

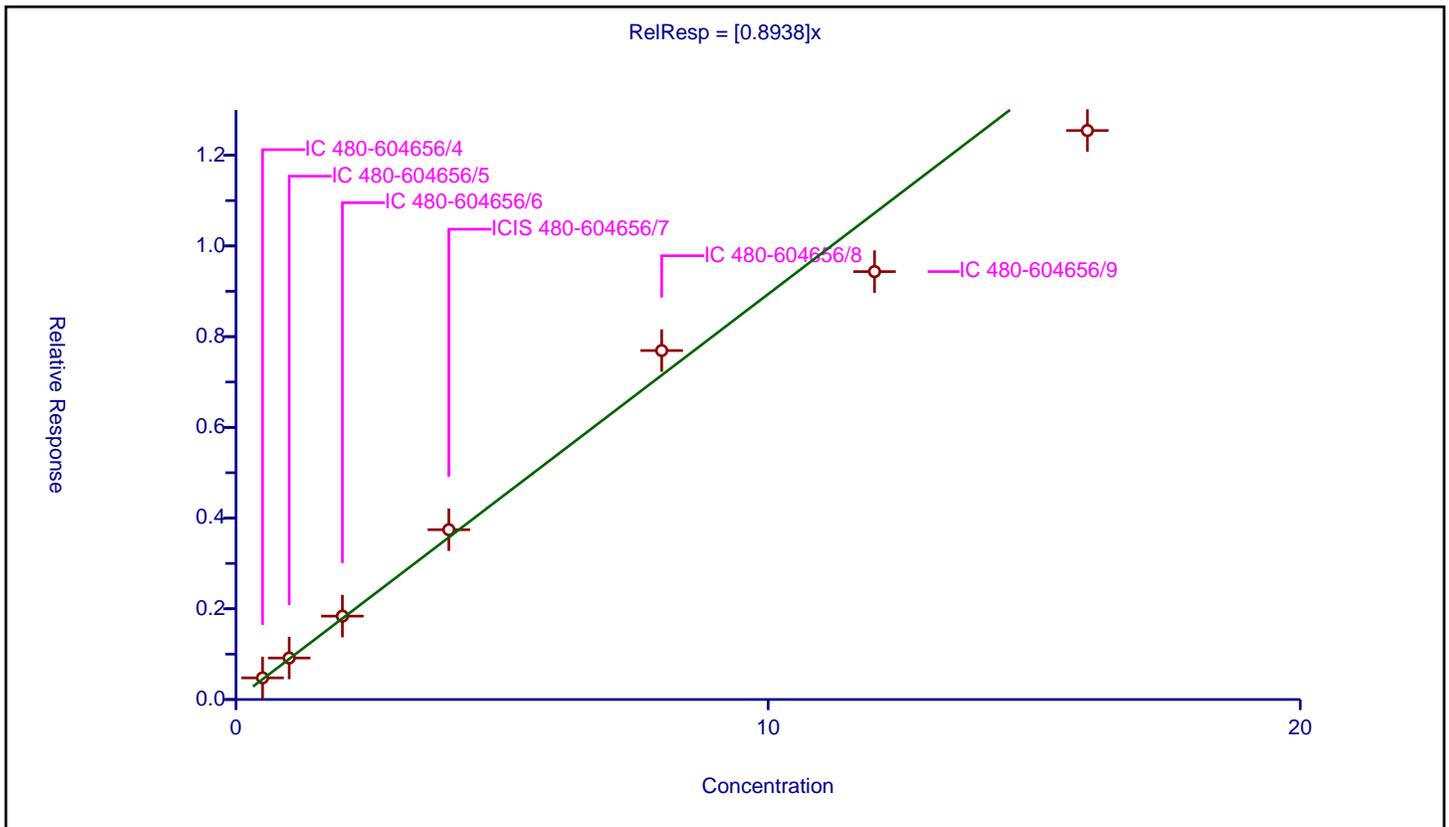
/ Bis(2-chloroethyl)ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8938

Error Coefficients	
Standard Error:	559000
Relative Standard Error:	8.5
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.477037	4.0	304337.0	0.954074	Y
2	IC 480-604656/5	1.0	0.915148	4.0	307771.0	0.915148	Y
3	IC 480-604656/6	2.0	1.838179	4.0	307191.0	0.919089	Y
4	ICIS 480-604656/7	4.0	3.743861	4.0	308051.0	0.935965	Y
5	IC 480-604656/8	8.0	7.693776	4.0	309839.0	0.961722	Y
6	IC 480-604656/9	12.0	9.435133	4.0	304298.0	0.786261	Y
7	IC 480-604656/10	16.0	12.54522	4.0	302153.0	0.784076	Y



Calibration

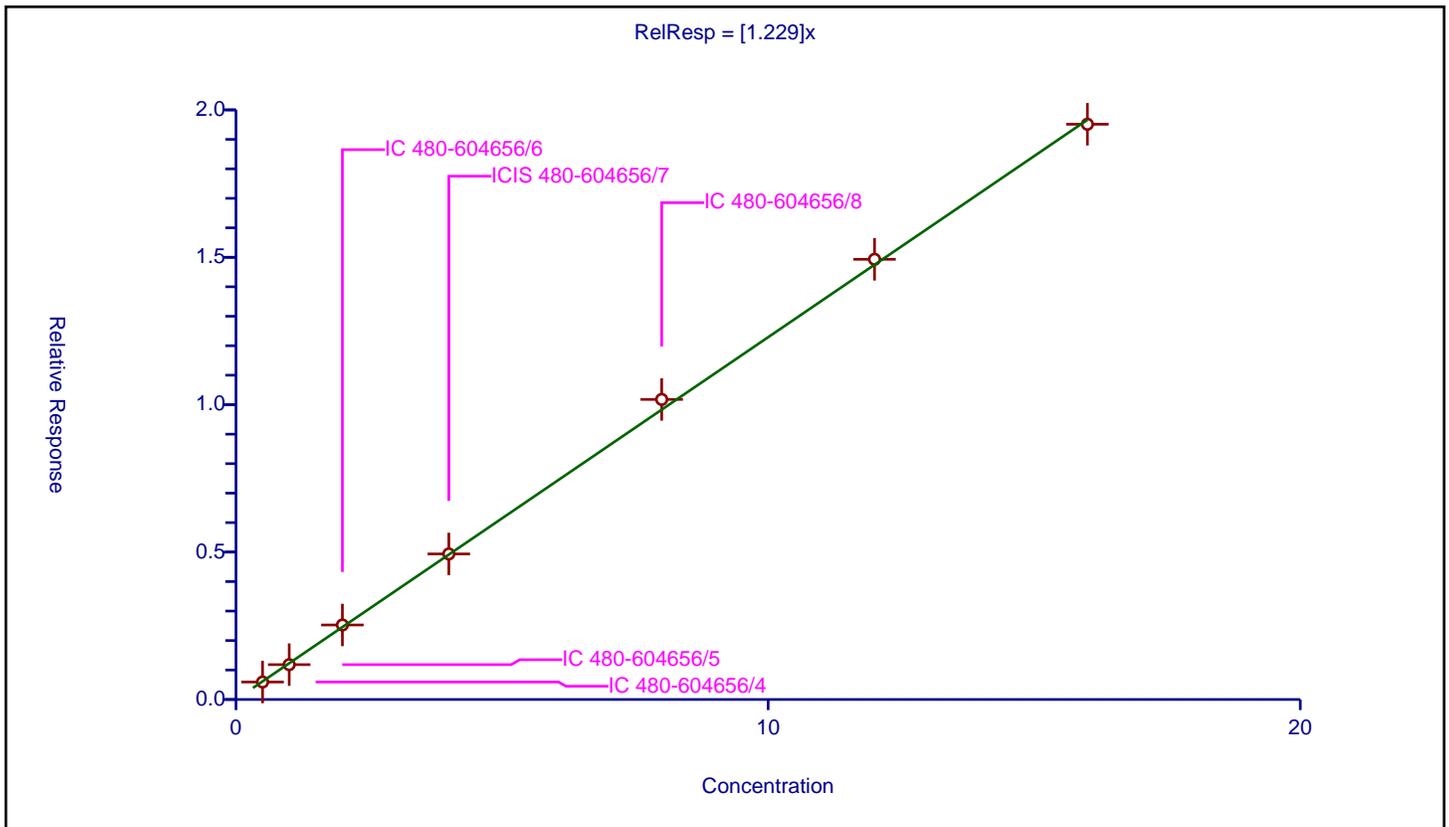
/ 2-Chlorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.229

Error Coefficients	
Standard Error:	844000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.593106	4.0	304337.0	1.186211	Y
2	IC 480-604656/5	1.0	1.181957	4.0	307771.0	1.181957	Y
3	IC 480-604656/6	2.0	2.527522	4.0	307191.0	1.263761	Y
4	ICIS 480-604656/7	4.0	4.937221	4.0	308051.0	1.234305	Y
5	IC 480-604656/8	8.0	10.178744	4.0	309839.0	1.272343	Y
6	IC 480-604656/9	12.0	14.931639	4.0	304298.0	1.244303	Y
7	IC 480-604656/10	16.0	19.513293	4.0	302153.0	1.219581	Y



Calibration

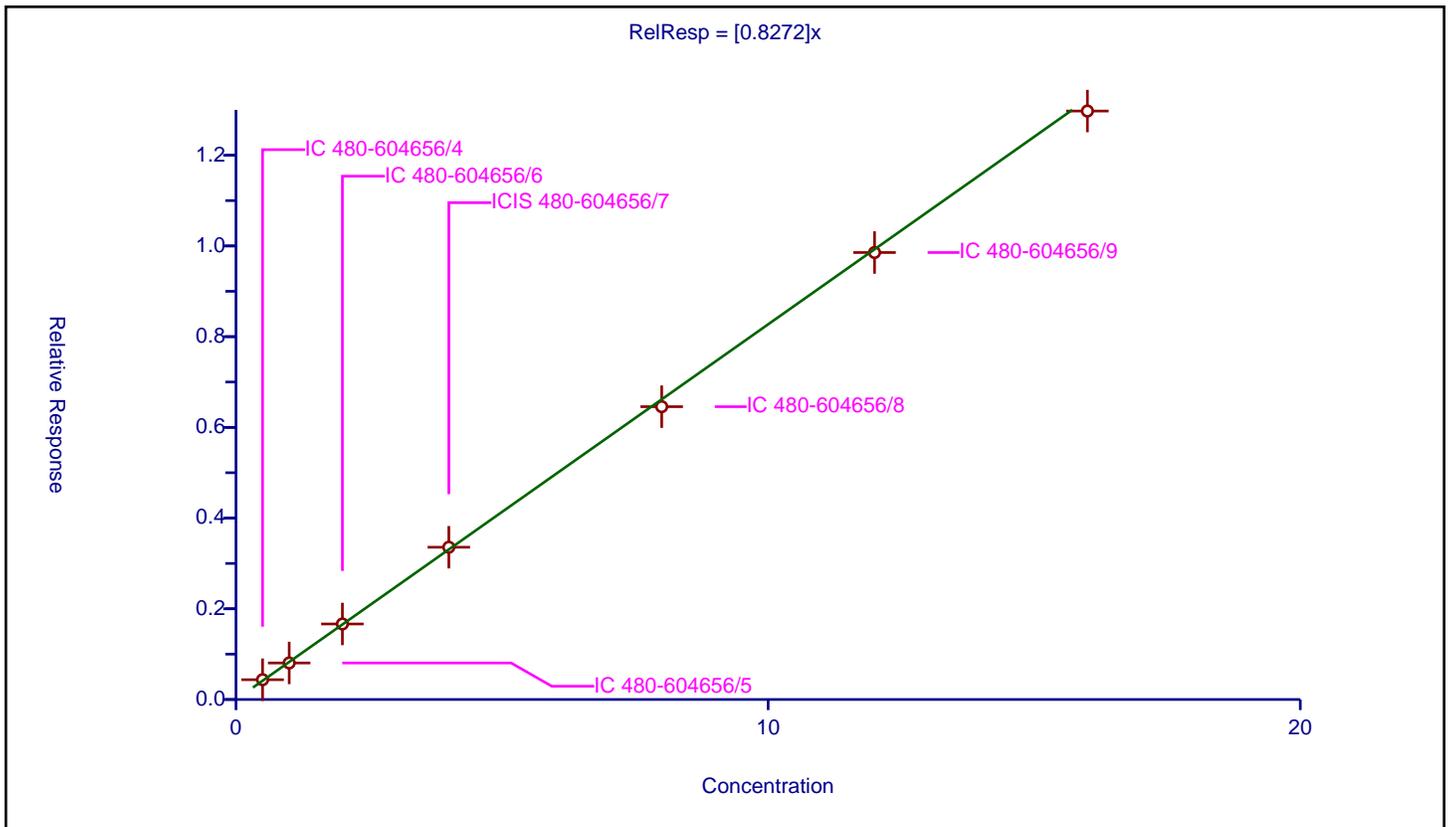
/ n-Decane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8272

Error Coefficients	
Standard Error:	557000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.4367	4.0	304337.0	0.8734	Y
2	IC 480-604656/5	1.0	0.805599	4.0	307771.0	0.805599	Y
3	IC 480-604656/6	2.0	1.665335	4.0	307191.0	0.832668	Y
4	ICIS 480-604656/7	4.0	3.35699	4.0	308051.0	0.839247	Y
5	IC 480-604656/8	8.0	6.456515	4.0	309839.0	0.807064	Y
6	IC 480-604656/9	12.0	9.855431	4.0	304298.0	0.821286	Y
7	IC 480-604656/10	16.0	12.974791	4.0	302153.0	0.810924	Y



Calibration

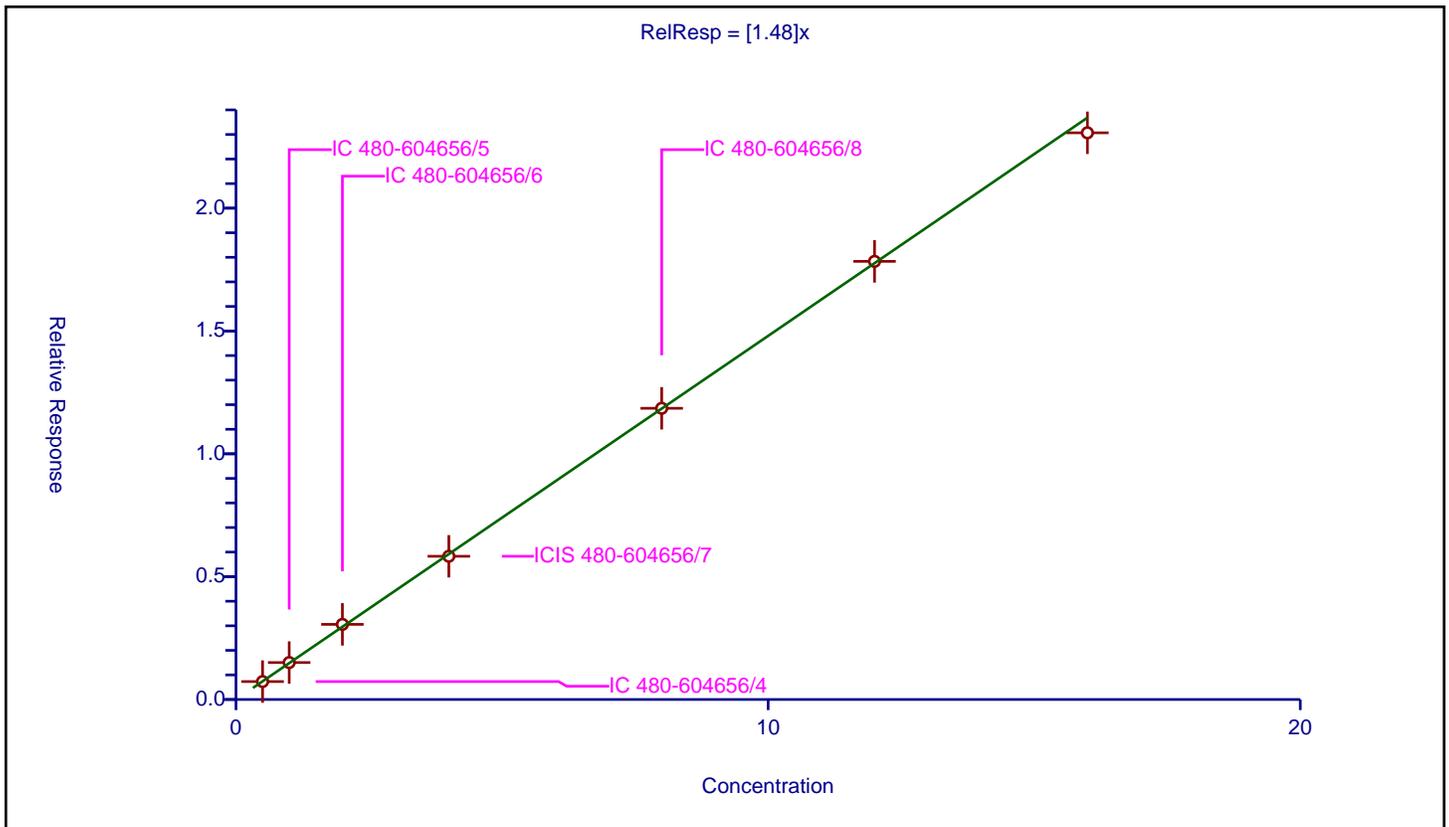
/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.48

Error Coefficients	
Standard Error:	999000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.730007	4.0	304337.0	1.460013	Y
2	IC 480-604656/5	1.0	1.504339	4.0	307771.0	1.504339	Y
3	IC 480-604656/6	2.0	3.058735	4.0	307191.0	1.529368	Y
4	ICIS 480-604656/7	4.0	5.829736	4.0	308051.0	1.457434	Y
5	IC 480-604656/8	8.0	11.853098	4.0	309839.0	1.481637	Y
6	IC 480-604656/9	12.0	17.83411	4.0	304298.0	1.486176	Y
7	IC 480-604656/10	16.0	23.067386	4.0	302153.0	1.441712	Y



Calibration

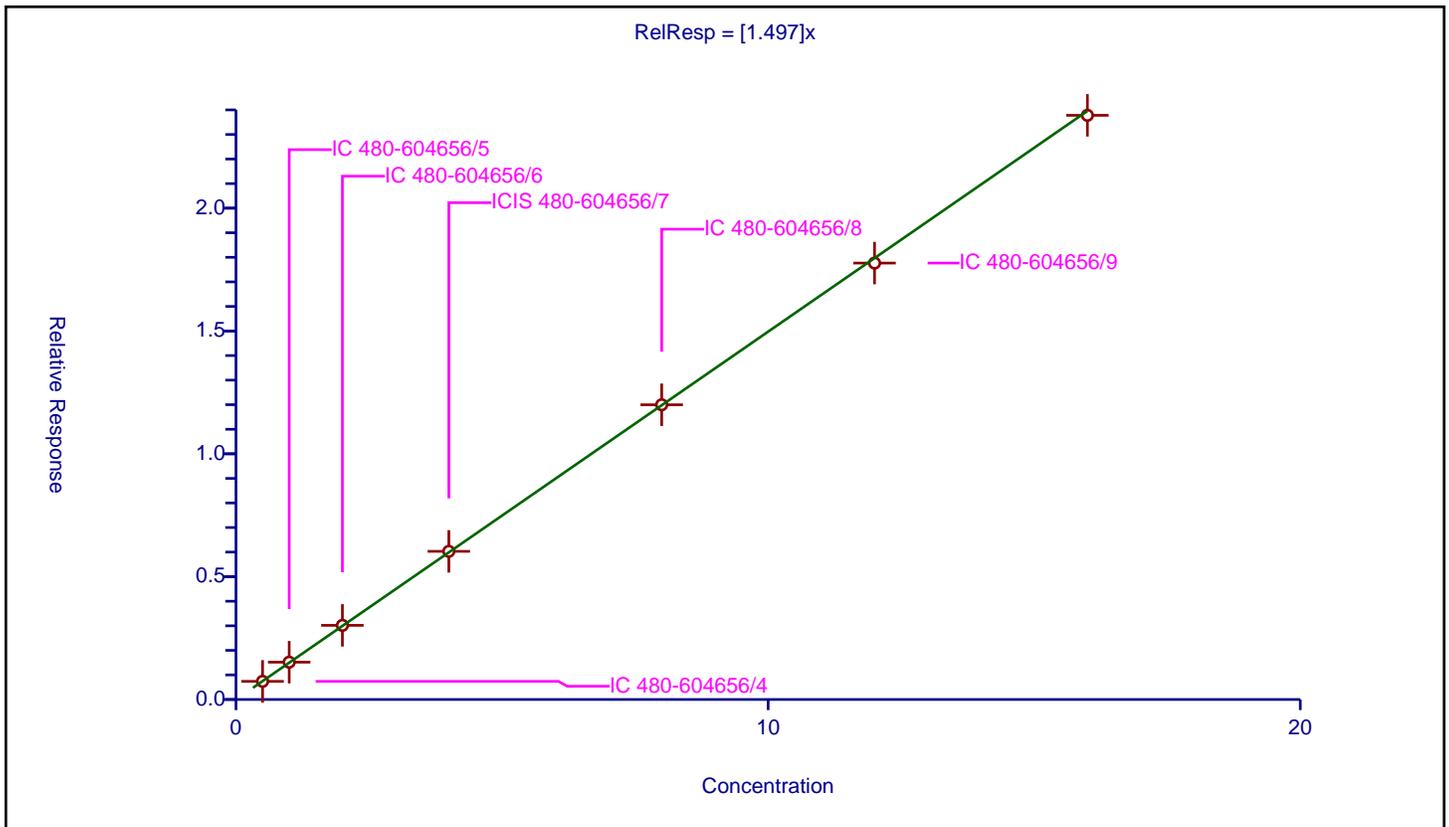
/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.497

Error Coefficients	
Standard Error:	1020000
Relative Standard Error:	1.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.739273	4.0	304337.0	1.478545	Y
2	IC 480-604656/5	1.0	1.519389	4.0	307771.0	1.519389	Y
3	IC 480-604656/6	2.0	3.017732	4.0	307191.0	1.508866	Y
4	ICIS 480-604656/7	4.0	6.030677	4.0	308051.0	1.507669	Y
5	IC 480-604656/8	8.0	11.997069	4.0	309839.0	1.499634	Y
6	IC 480-604656/9	12.0	17.764744	4.0	304298.0	1.480395	Y
7	IC 480-604656/10	16.0	23.779119	4.0	302153.0	1.486195	Y



Calibration

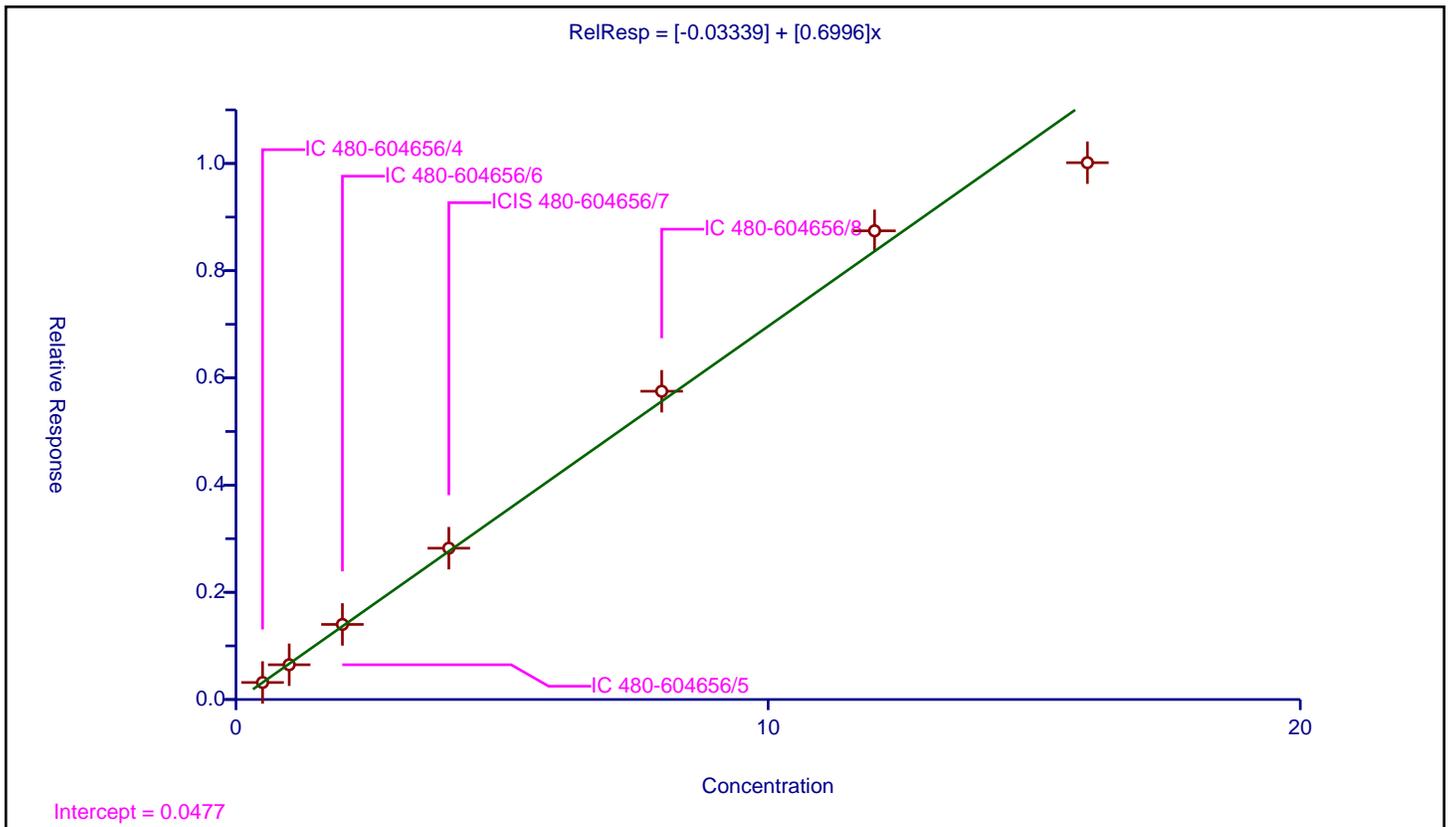
/ Benzyl alcohol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.03339
Slope:	0.6996

Error Coefficients	
Standard Error:	505000
Relative Standard Error:	5.5
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.317503	4.0	304337.0	0.635007	Y
2	IC 480-604656/5	1.0	0.648443	4.0	307771.0	0.648443	Y
3	IC 480-604656/6	2.0	1.400874	4.0	307191.0	0.700437	Y
4	ICIS 480-604656/7	4.0	2.823078	4.0	308051.0	0.705769	Y
5	IC 480-604656/8	8.0	5.75109	4.0	309839.0	0.718886	Y
6	IC 480-604656/9	12.0	8.74381	4.0	304298.0	0.728651	Y
7	IC 480-604656/10	16.0	10.015085	4.0	302153.0	0.625943	Y



Calibration

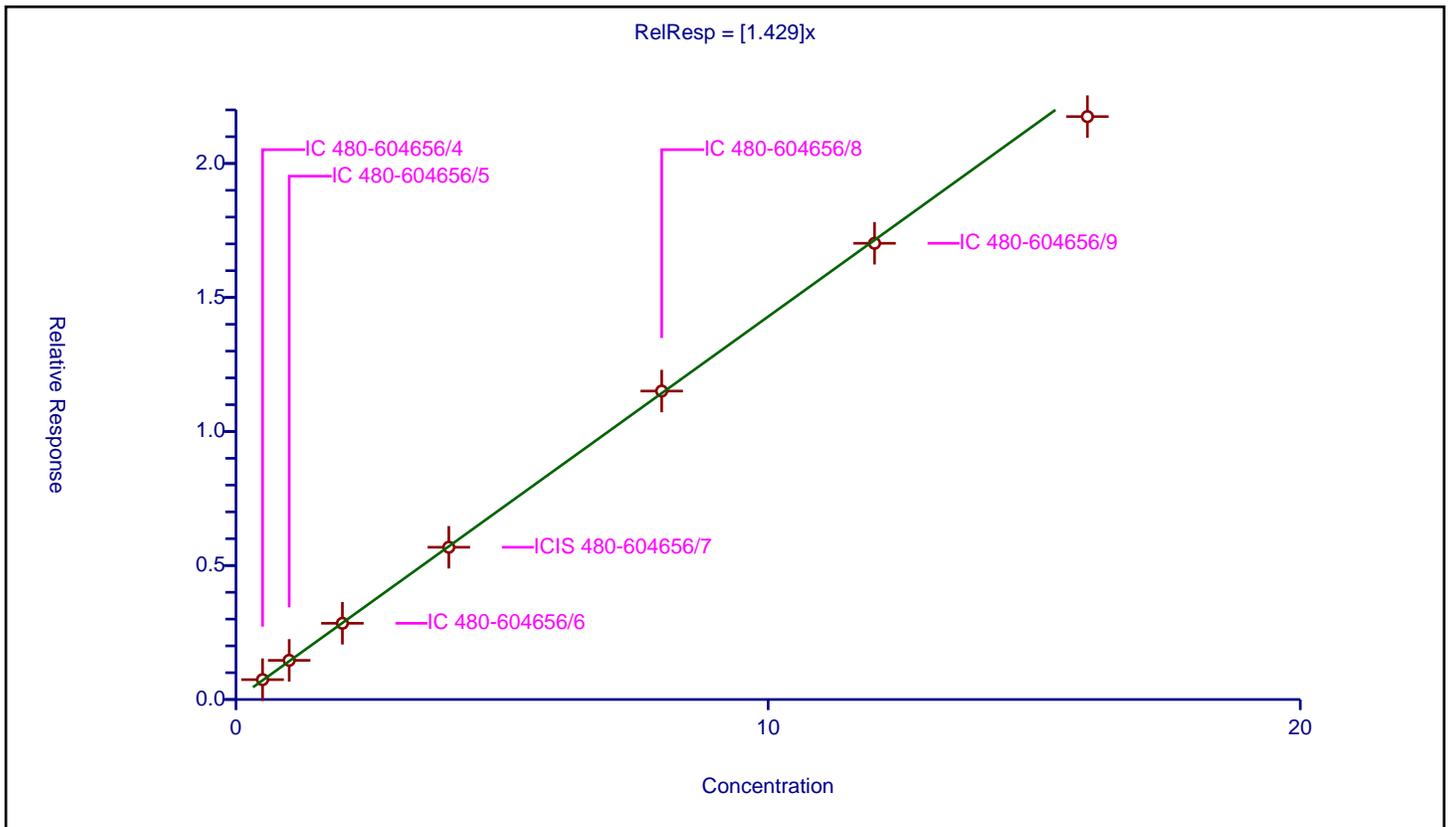
/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.429

Error Coefficients	
Standard Error:	951000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.74039	4.0	304337.0	1.48078	Y
2	IC 480-604656/5	1.0	1.461177	4.0	307771.0	1.461177	Y
3	IC 480-604656/6	2.0	2.843521	4.0	307191.0	1.42176	Y
4	ICIS 480-604656/7	4.0	5.68067	4.0	308051.0	1.420167	Y
5	IC 480-604656/8	8.0	11.509048	4.0	309839.0	1.438631	Y
6	IC 480-604656/9	12.0	17.022222	4.0	304298.0	1.418518	Y
7	IC 480-604656/10	16.0	21.749432	4.0	302153.0	1.359339	Y



Calibration

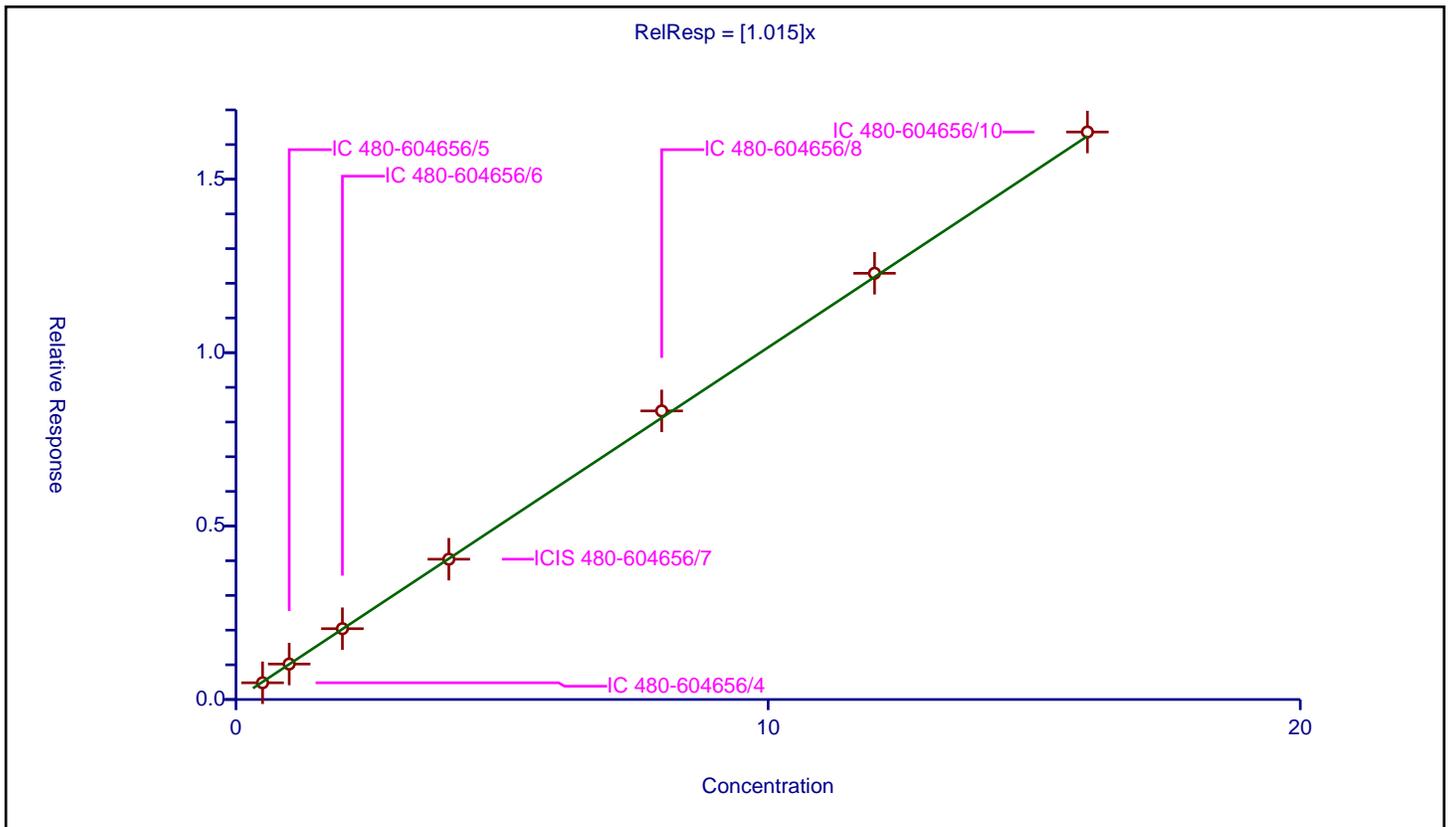
/ 2-Methylphenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.015

Error Coefficients	
Standard Error:	701000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.48211	4.0	304337.0	0.964221	Y
2	IC 480-604656/5	1.0	1.022656	4.0	307771.0	1.022656	Y
3	IC 480-604656/6	2.0	2.041844	4.0	307191.0	1.020922	Y
4	ICIS 480-604656/7	4.0	4.045032	4.0	308051.0	1.011258	Y
5	IC 480-604656/8	8.0	8.320902	4.0	309839.0	1.040113	Y
6	IC 480-604656/9	12.0	12.289138	4.0	304298.0	1.024095	Y
7	IC 480-604656/10	16.0	16.362664	4.0	302153.0	1.022666	Y



Calibration

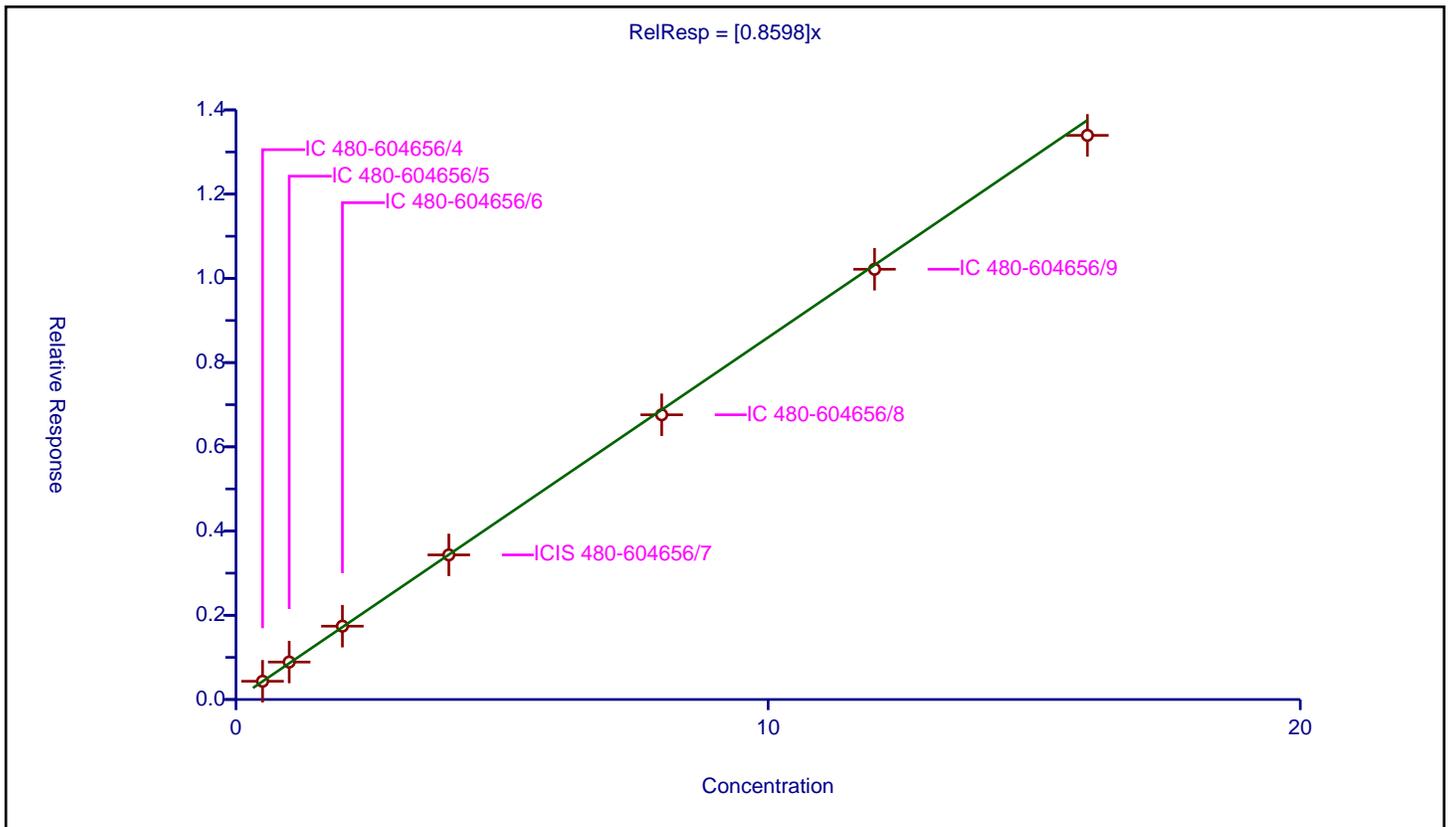
/ 2,2'-oxybis[1-chloropropane]

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8598

Error Coefficients	
Standard Error:	577000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.433204	4.0	304337.0	0.866408	Y
2	IC 480-604656/5	1.0	0.889233	4.0	307771.0	0.889233	Y
3	IC 480-604656/6	2.0	1.741275	4.0	307191.0	0.870637	Y
4	ICIS 480-604656/7	4.0	3.433574	4.0	308051.0	0.858394	Y
5	IC 480-604656/8	8.0	6.760208	4.0	309839.0	0.845026	Y
6	IC 480-604656/9	12.0	10.215959	4.0	304298.0	0.85133	Y
7	IC 480-604656/10	16.0	13.395717	4.0	302153.0	0.837232	Y



Calibration

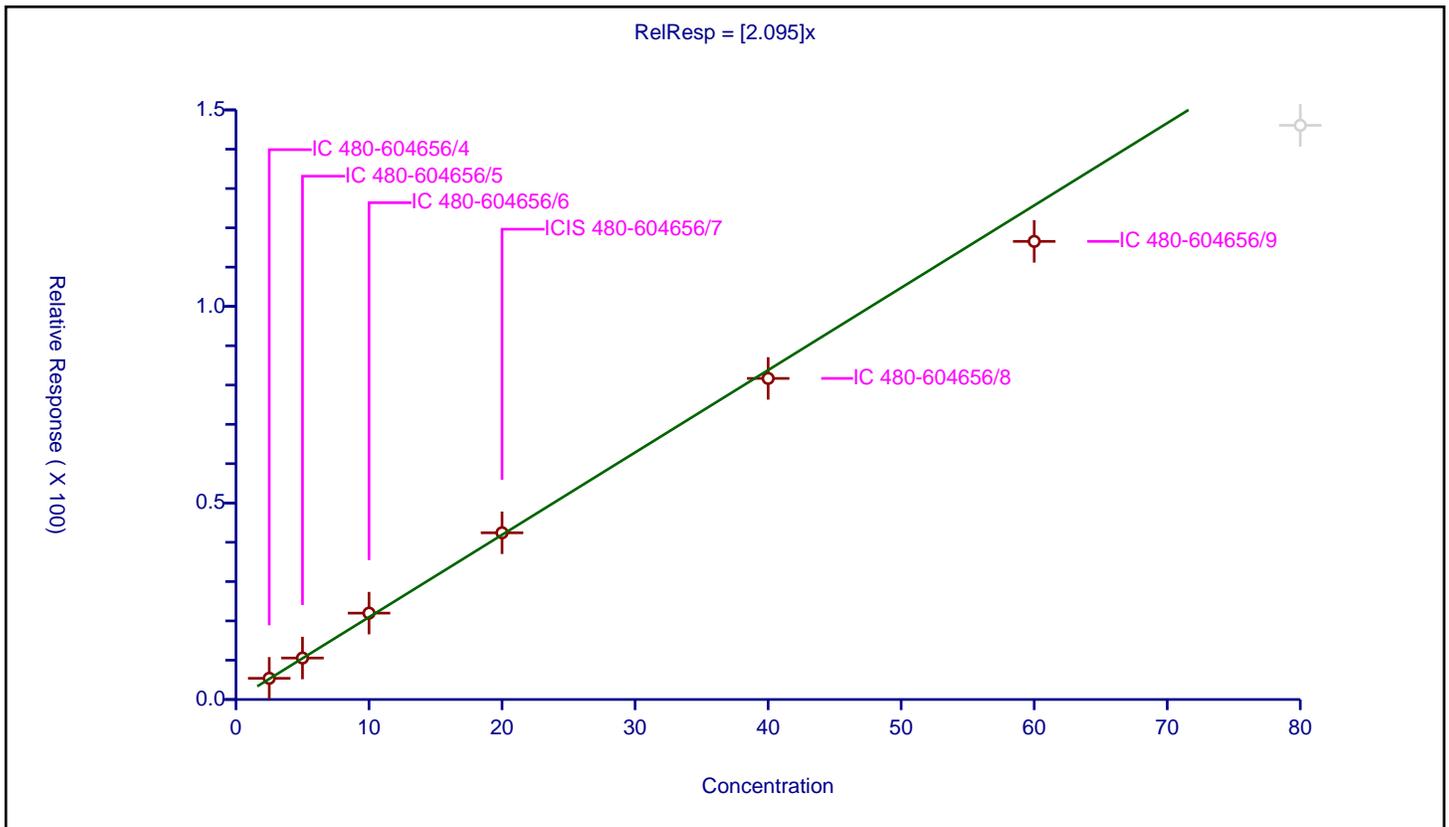
/ Indene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.095

Error Coefficients	
Standard Error:	5160000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	2.5	5.390537	4.0	304337.0	2.156215	Y
2	IC 480-604656/5	5.0	10.553405	4.0	307771.0	2.110681	Y
3	IC 480-604656/6	10.0	21.971151	4.0	307191.0	2.197115	Y
4	ICIS 480-604656/7	20.0	42.414392	4.0	308051.0	2.12072	Y
5	IC 480-604656/8	40.0	81.688309	4.0	309839.0	2.042208	Y
6	IC 480-604656/9	60.0	116.550947	4.0	304298.0	1.942516	Y
7	IC 480-604656/10	80.0	146.072076	4.0	302153.0	1.825901	N



Calibration

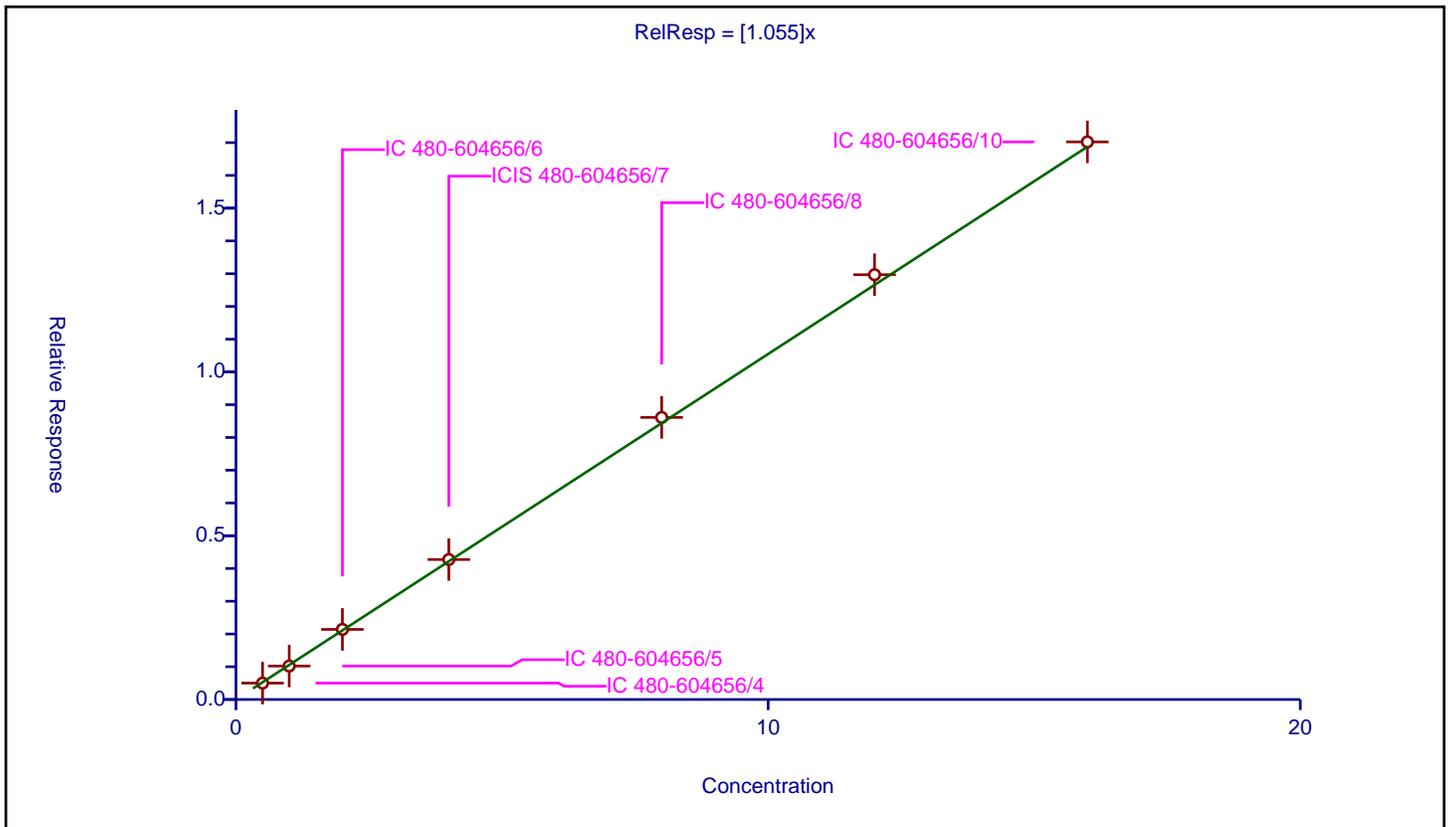
/ 4-Methylphenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.055

Error Coefficients	
Standard Error:	732000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.50084	4.0	304337.0	1.001679	Y
2	IC 480-604656/5	1.0	1.022293	4.0	307771.0	1.022293	Y
3	IC 480-604656/6	2.0	2.139451	4.0	307191.0	1.069725	Y
4	ICIS 480-604656/7	4.0	4.272825	4.0	308051.0	1.068206	Y
5	IC 480-604656/8	8.0	8.610743	4.0	309839.0	1.076343	Y
6	IC 480-604656/9	12.0	12.969444	4.0	304298.0	1.080787	Y
7	IC 480-604656/10	16.0	17.022568	4.0	302153.0	1.063911	Y



Calibration

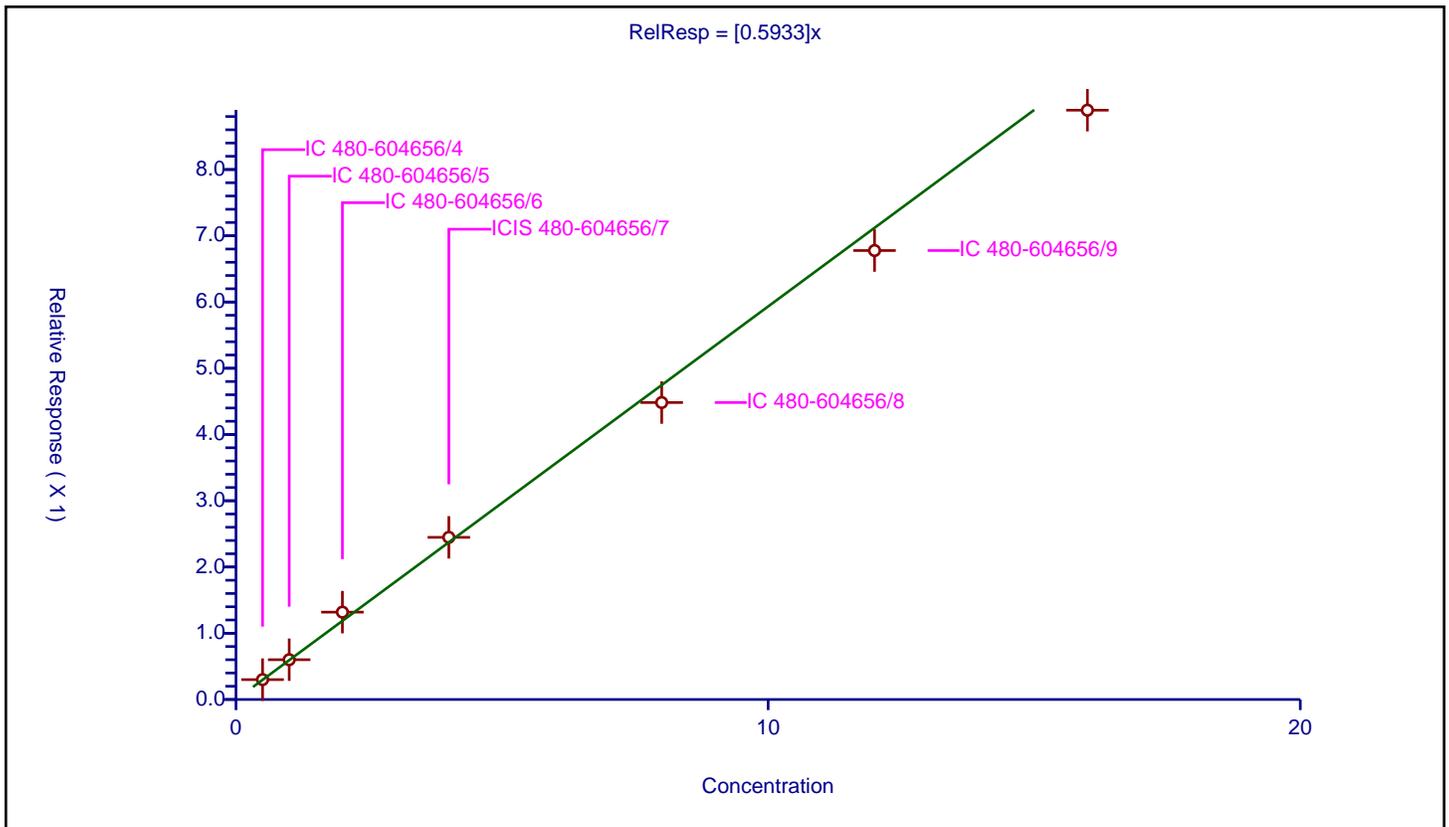
/ N-Nitrosodi-n-propylamine

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5933

Error Coefficients	
Standard Error:	384000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.300115	4.0	304337.0	0.600229	Y
2	IC 480-604656/5	1.0	0.600446	4.0	307771.0	0.600446	Y
3	IC 480-604656/6	2.0	1.318619	4.0	307191.0	0.65931	Y
4	ICIS 480-604656/7	4.0	2.447867	4.0	308051.0	0.611967	Y
5	IC 480-604656/8	8.0	4.482341	4.0	309839.0	0.560293	Y
6	IC 480-604656/9	12.0	6.777054	4.0	304298.0	0.564755	Y
7	IC 480-604656/10	16.0	8.895758	4.0	302153.0	0.555985	Y



Calibration

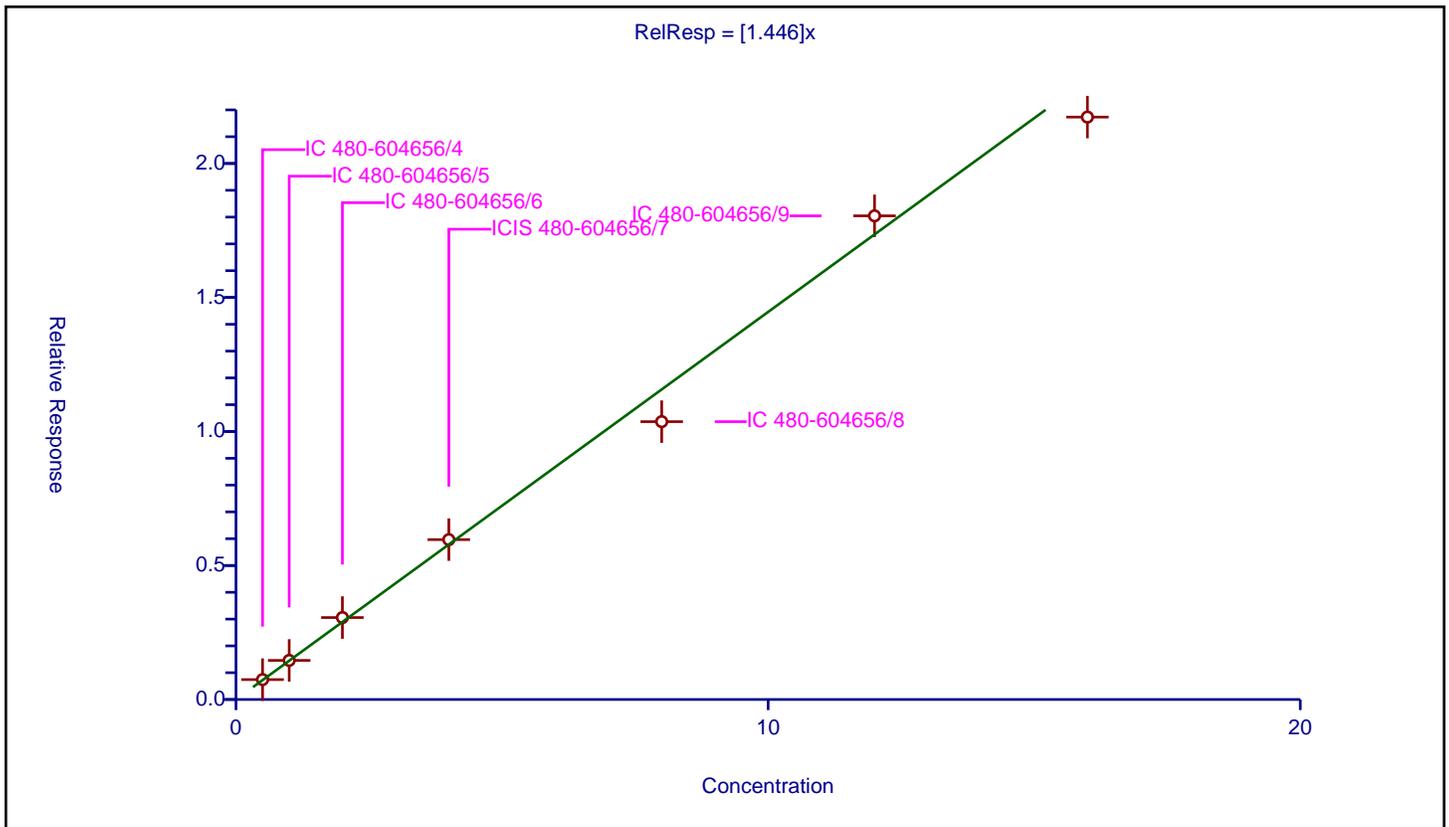
/ Acetophenone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.446

Error Coefficients	
Standard Error:	958000
Relative Standard Error:	5.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.742848	4.0	304337.0	1.485695	Y
2	IC 480-604656/5	1.0	1.459046	4.0	307771.0	1.459046	Y
3	IC 480-604656/6	2.0	3.057225	4.0	307191.0	1.528612	Y
4	ICIS 480-604656/7	4.0	5.96496	4.0	308051.0	1.49124	Y
5	IC 480-604656/8	8.0	10.367204	4.0	309839.0	1.2959	Y
6	IC 480-604656/9	12.0	18.046836	4.0	304298.0	1.503903	Y
7	IC 480-604656/10	16.0	21.731904	4.0	302153.0	1.358244	Y



Calibration

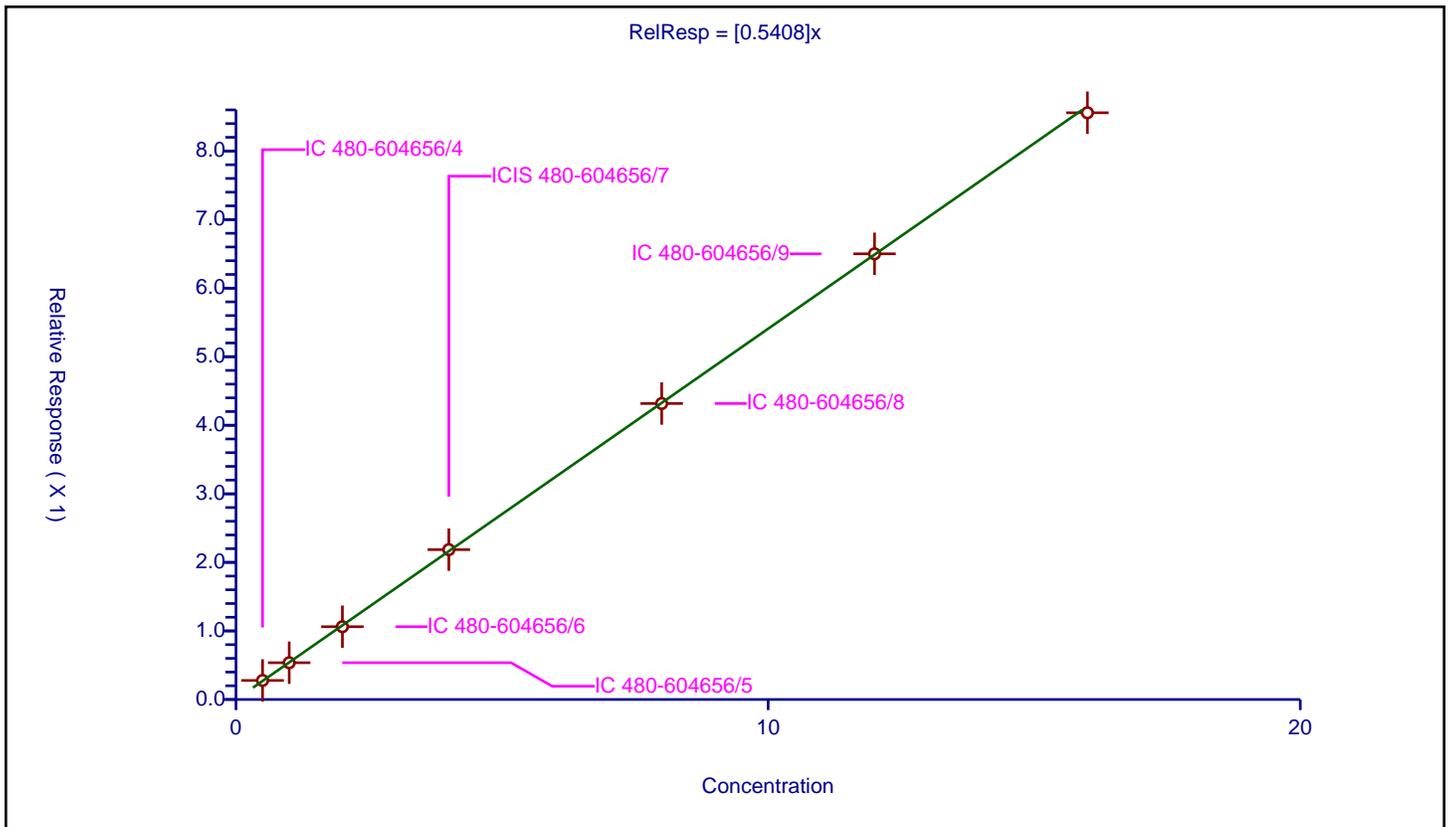
/ Hexachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5408

Error Coefficients	
Standard Error:	368000
Relative Standard Error:	1.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.277863	4.0	304337.0	0.555726	Y
2	IC 480-604656/5	1.0	0.53636	4.0	307771.0	0.53636	Y
3	IC 480-604656/6	2.0	1.061776	4.0	307191.0	0.530888	Y
4	ICIS 480-604656/7	4.0	2.185703	4.0	308051.0	0.546426	Y
5	IC 480-604656/8	8.0	4.316926	4.0	309839.0	0.539616	Y
6	IC 480-604656/9	12.0	6.500812	4.0	304298.0	0.541734	Y
7	IC 480-604656/10	16.0	8.558379	4.0	302153.0	0.534899	Y



Calibration

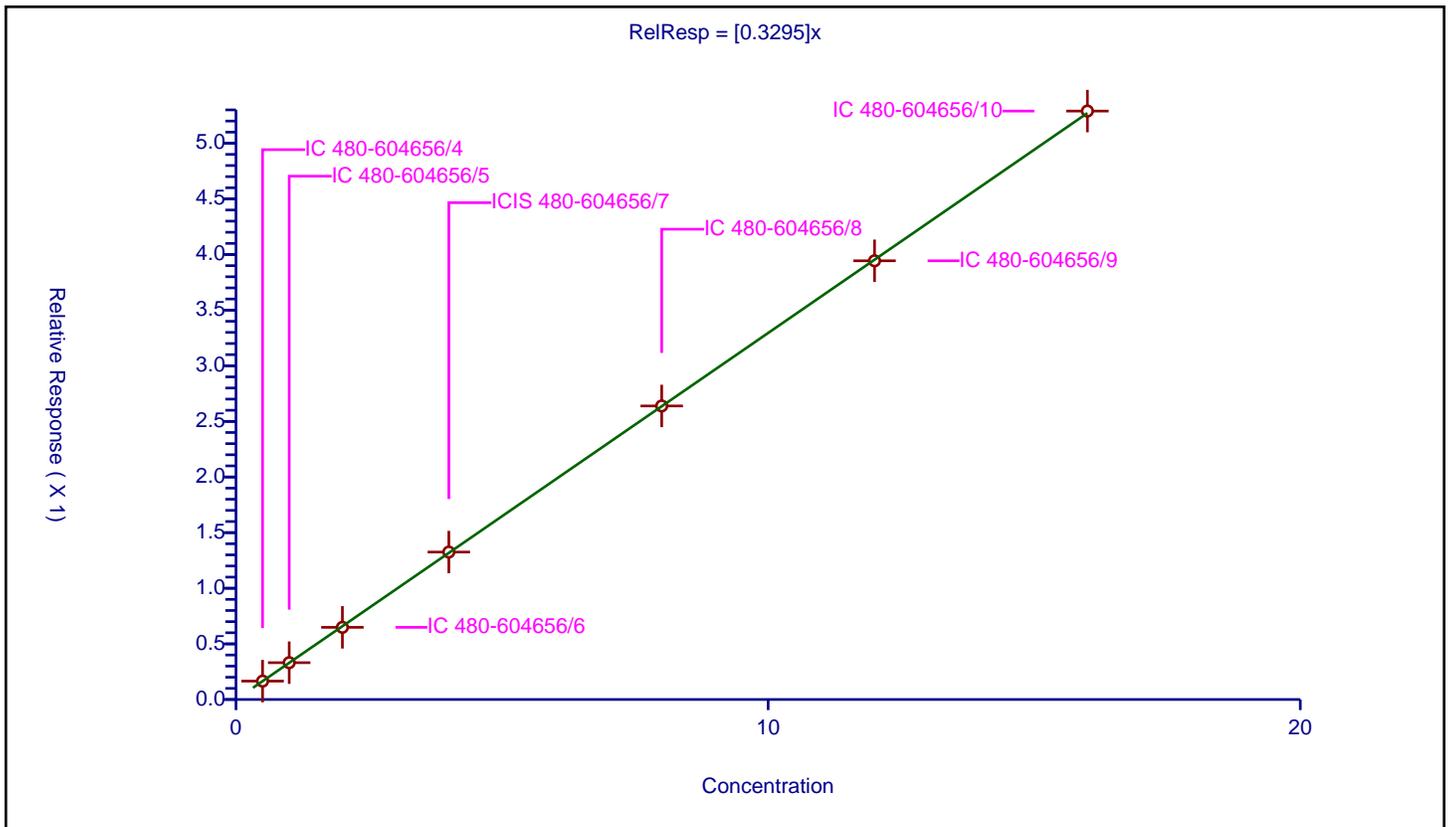
/ Nitrobenzene-d5

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3295

Error Coefficients	
Standard Error:	806000
Relative Standard Error:	0.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.165267	4.0	1074791.0	0.330535	Y
2	IC 480-604656/5	1.0	0.330959	4.0	1082140.0	0.330959	Y
3	IC 480-604656/6	2.0	0.648661	4.0	1115812.0	0.324331	Y
4	ICIS 480-604656/7	4.0	1.325298	4.0	1090979.0	0.331324	Y
5	IC 480-604656/8	8.0	2.638606	4.0	1130841.0	0.329826	Y
6	IC 480-604656/9	12.0	3.943488	4.0	1114103.0	0.328624	Y
7	IC 480-604656/10	16.0	5.289616	4.0	1058020.0	0.330601	Y



Calibration

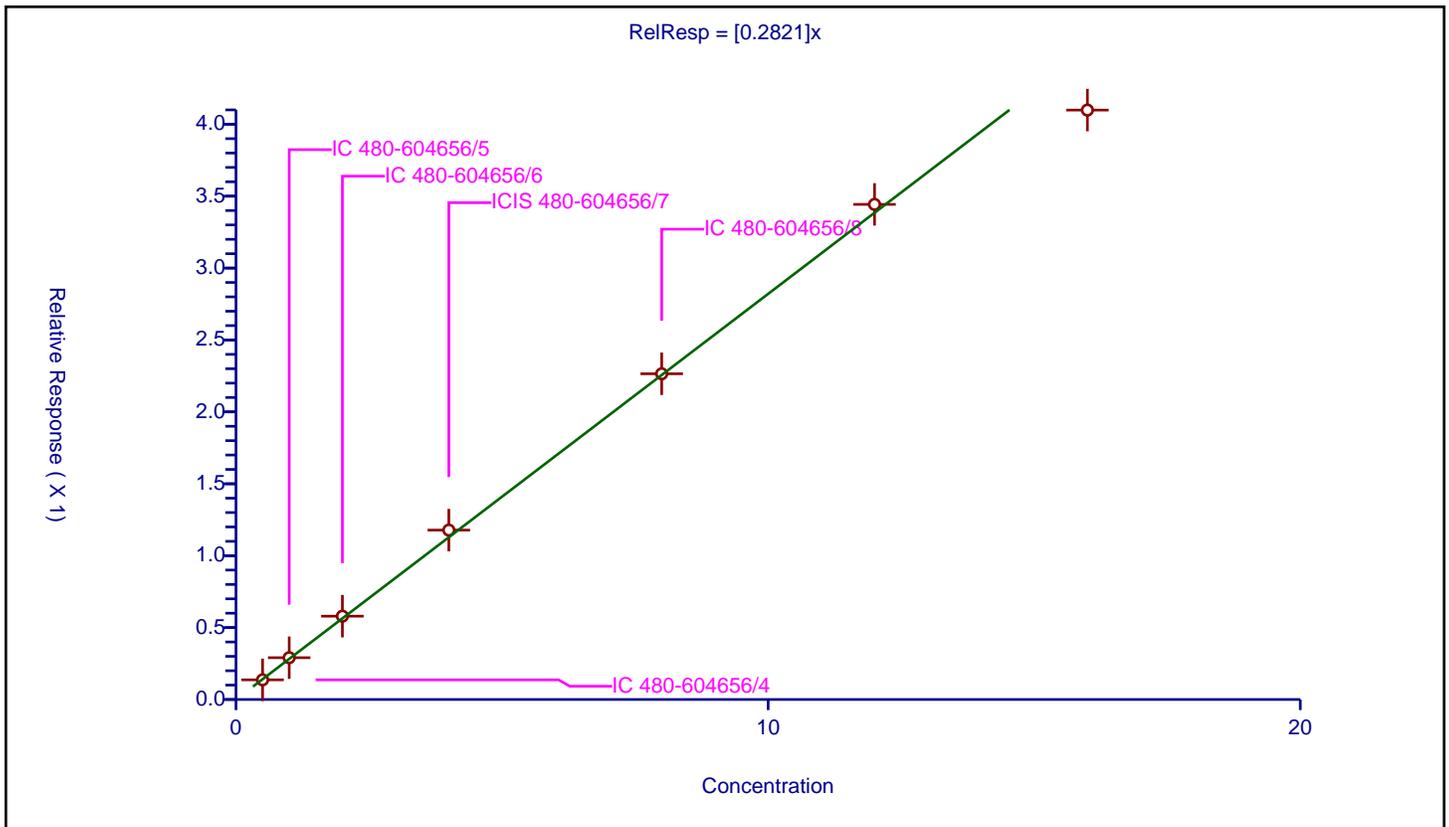
/ Nitrobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2821

Error Coefficients	
Standard Error:	664000
Relative Standard Error:	4.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.136663	4.0	1074791.0	0.273326	Y
2	IC 480-604656/5	1.0	0.290705	4.0	1082140.0	0.290705	Y
3	IC 480-604656/6	2.0	0.579431	4.0	1115812.0	0.289715	Y
4	ICIS 480-604656/7	4.0	1.177926	4.0	1090979.0	0.294481	Y
5	IC 480-604656/8	8.0	2.26498	4.0	1130841.0	0.283122	Y
6	IC 480-604656/9	12.0	3.442777	4.0	1114103.0	0.286898	Y
7	IC 480-604656/10	16.0	4.098664	4.0	1058020.0	0.256166	Y



Calibration

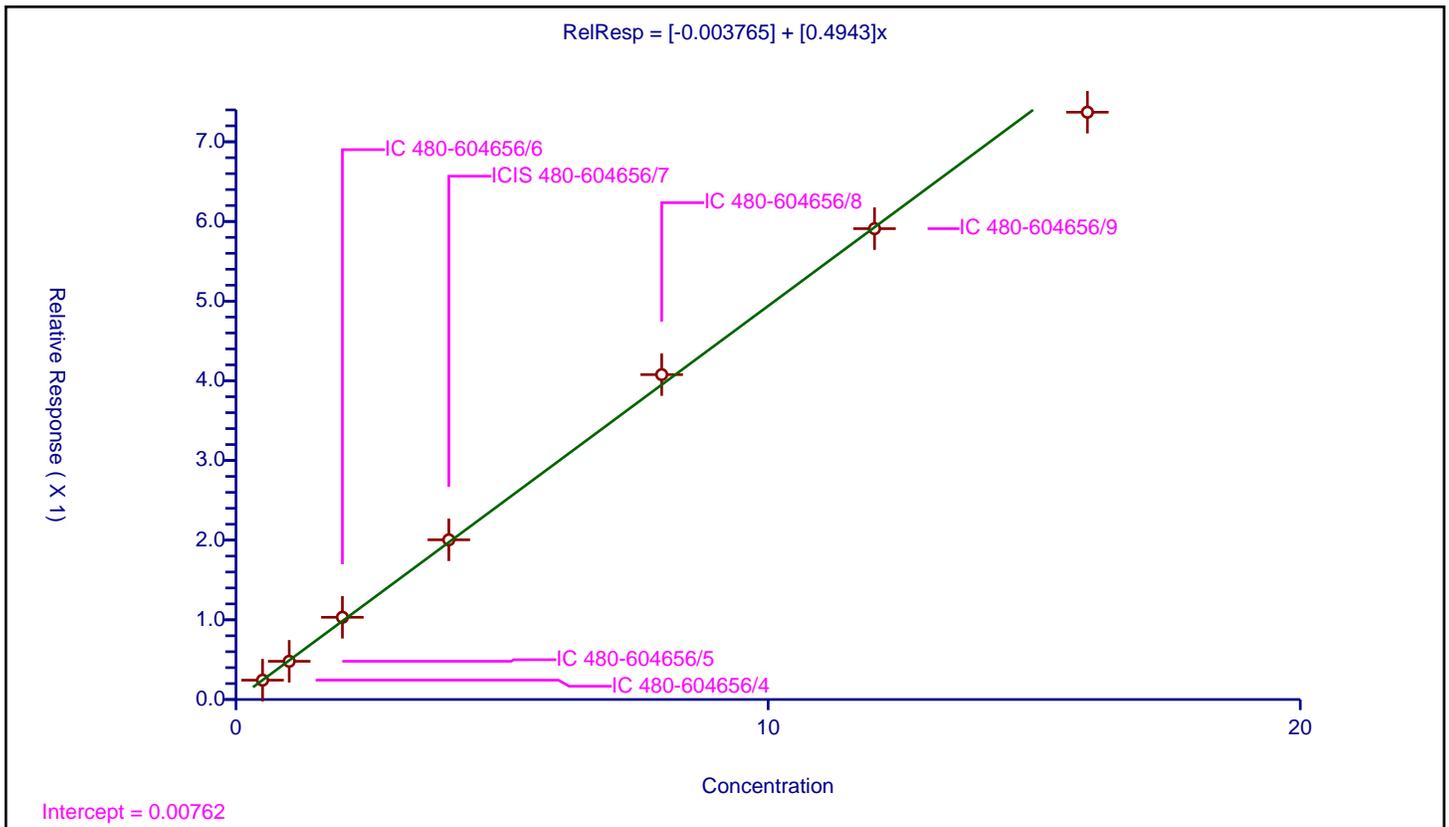
/ Isophorone

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.003765
Slope:	0.4943

Error Coefficients	
Standard Error:	1280000
Relative Standard Error:	4.1
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.242752	4.0	1074791.0	0.485505	Y
2	IC 480-604656/5	1.0	0.479542	4.0	1082140.0	0.479542	Y
3	IC 480-604656/6	2.0	1.031665	4.0	1115812.0	0.515832	Y
4	ICIS 480-604656/7	4.0	2.004138	4.0	1090979.0	0.501034	Y
5	IC 480-604656/8	8.0	4.077496	4.0	1130841.0	0.509687	Y
6	IC 480-604656/9	12.0	5.909396	4.0	1114103.0	0.49245	Y
7	IC 480-604656/10	16.0	7.371018	4.0	1058020.0	0.460689	Y



Calibration

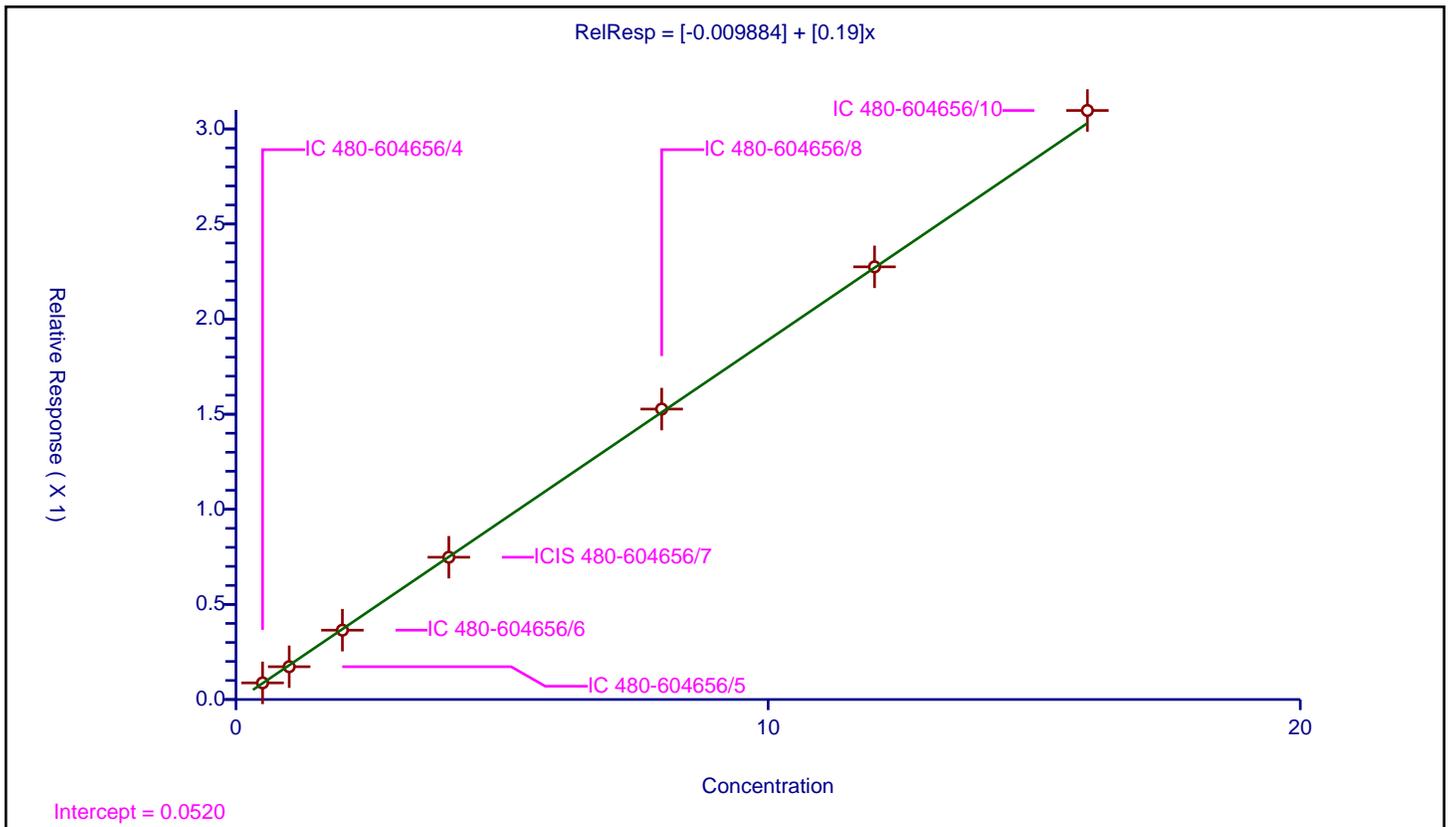
/ 2-Nitrophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.009884
Slope:	0.19

Error Coefficients	
Standard Error:	513000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.08728	4.0	1074791.0	0.17456	Y
2	IC 480-604656/5	1.0	0.172443	4.0	1082140.0	0.172443	Y
3	IC 480-604656/6	2.0	0.36447	4.0	1115812.0	0.182235	Y
4	ICIS 480-604656/7	4.0	0.747992	4.0	1090979.0	0.186998	Y
5	IC 480-604656/8	8.0	1.527076	4.0	1130841.0	0.190884	Y
6	IC 480-604656/9	12.0	2.27487	4.0	1114103.0	0.189573	Y
7	IC 480-604656/10	16.0	3.096985	4.0	1058020.0	0.193562	Y



Calibration

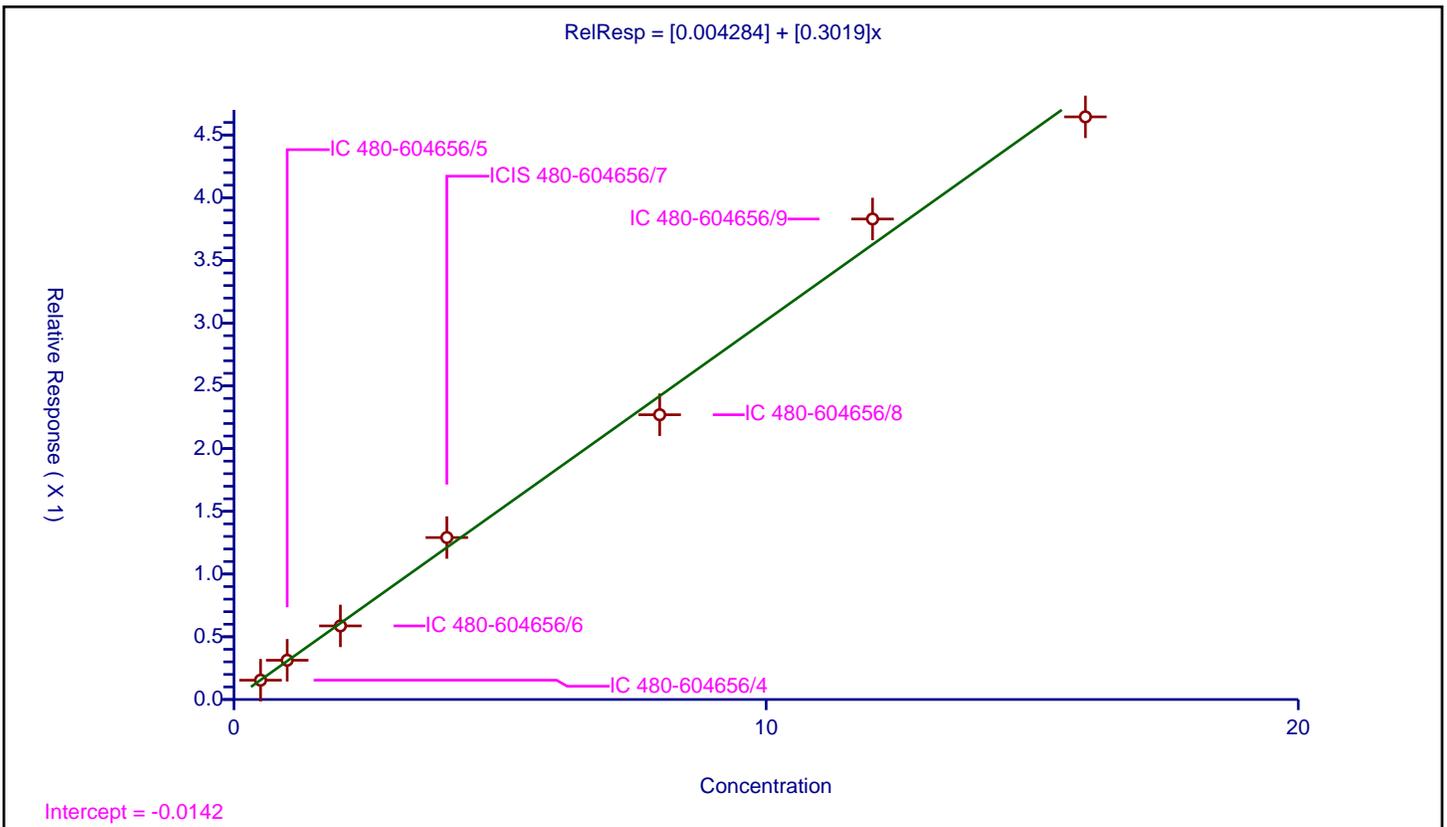
/ 2,4-Dimethylphenol

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0.004284
Slope:	0.3019

Error Coefficients	
Standard Error:	802000
Relative Standard Error:	5.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.154039	4.0	1074791.0	0.308079	Y
2	IC 480-604656/5	1.0	0.312891	4.0	1082140.0	0.312891	Y
3	IC 480-604656/6	2.0	0.586651	4.0	1115812.0	0.293325	Y
4	ICIS 480-604656/7	4.0	1.290947	4.0	1090979.0	0.322737	Y
5	IC 480-604656/8	8.0	2.270006	4.0	1130841.0	0.283751	Y
6	IC 480-604656/9	12.0	3.830307	4.0	1114103.0	0.319192	Y
7	IC 480-604656/10	16.0	4.644449	4.0	1058020.0	0.290278	Y



Calibration

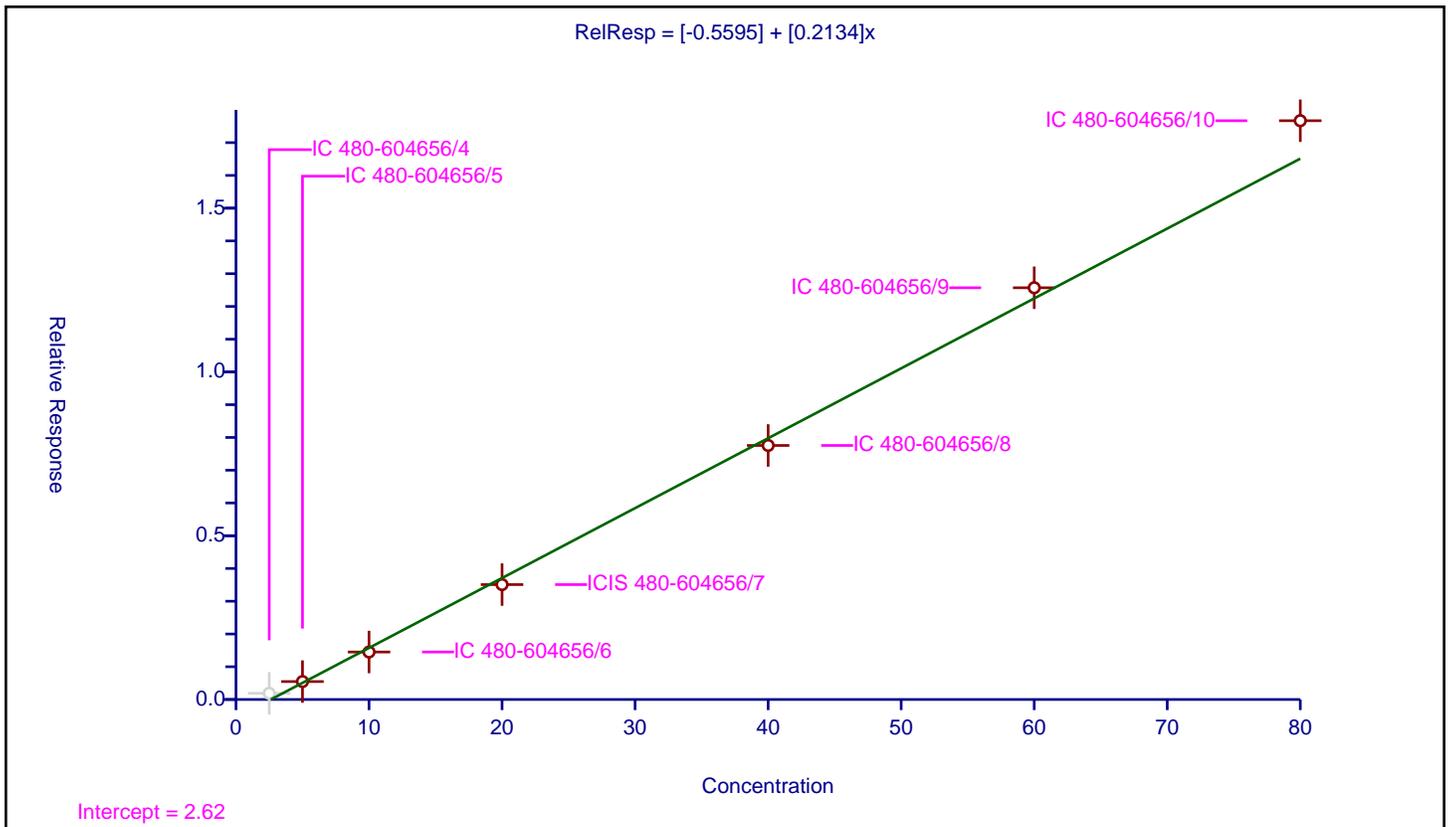
/ Benzoic acid

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.5595
Slope:	0.2134

Error Coefficients	
Standard Error:	3160000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	2.5	0.19005	4.0	1074791.0	0.07602	N
2	IC 480-604656/5	5.0	0.547704	4.0	1082140.0	0.109541	Y
3	IC 480-604656/6	10.0	1.450323	4.0	1115812.0	0.145032	Y
4	ICIS 480-604656/7	20.0	3.507481	4.0	1090979.0	0.175374	Y
5	IC 480-604656/8	40.0	7.755173	4.0	1130841.0	0.193879	Y
6	IC 480-604656/9	60.0	12.570181	4.0	1114103.0	0.209503	Y
7	IC 480-604656/10	80.0	17.669957	4.0	1058020.0	0.220874	Y



Calibration

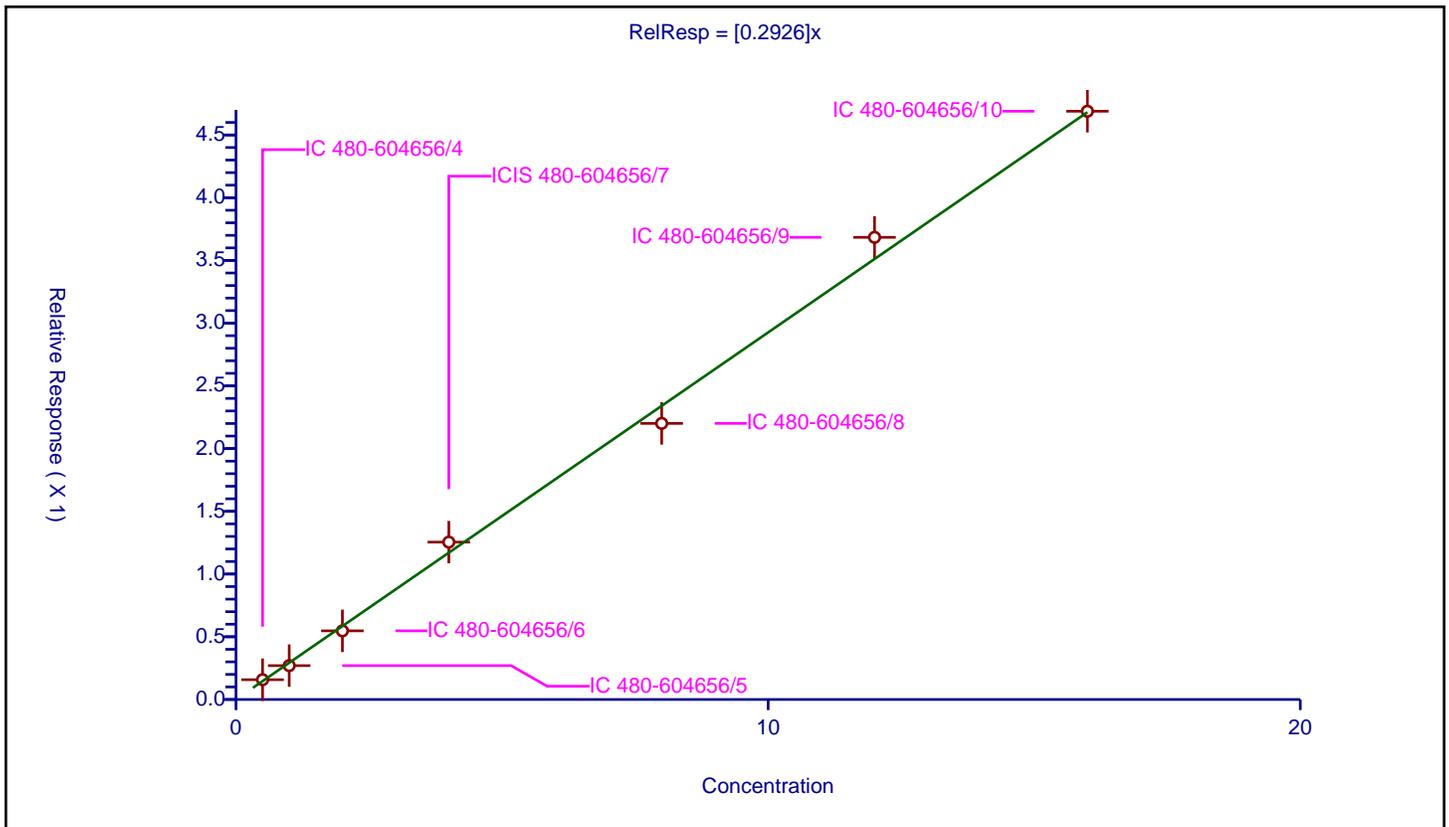
/ Bis(2-chloroethoxy)methane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2926

Error Coefficients	
Standard Error:	722000
Relative Standard Error:	6.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.157884	4.0	1074791.0	0.315767	Y
2	IC 480-604656/5	1.0	0.270013	4.0	1082140.0	0.270013	Y
3	IC 480-604656/6	2.0	0.547232	4.0	1115812.0	0.273616	Y
4	ICIS 480-604656/7	4.0	1.254572	4.0	1090979.0	0.313643	Y
5	IC 480-604656/8	8.0	2.200897	4.0	1130841.0	0.275112	Y
6	IC 480-604656/9	12.0	3.684029	4.0	1114103.0	0.307002	Y
7	IC 480-604656/10	16.0	4.68942	4.0	1058020.0	0.293089	Y



Calibration

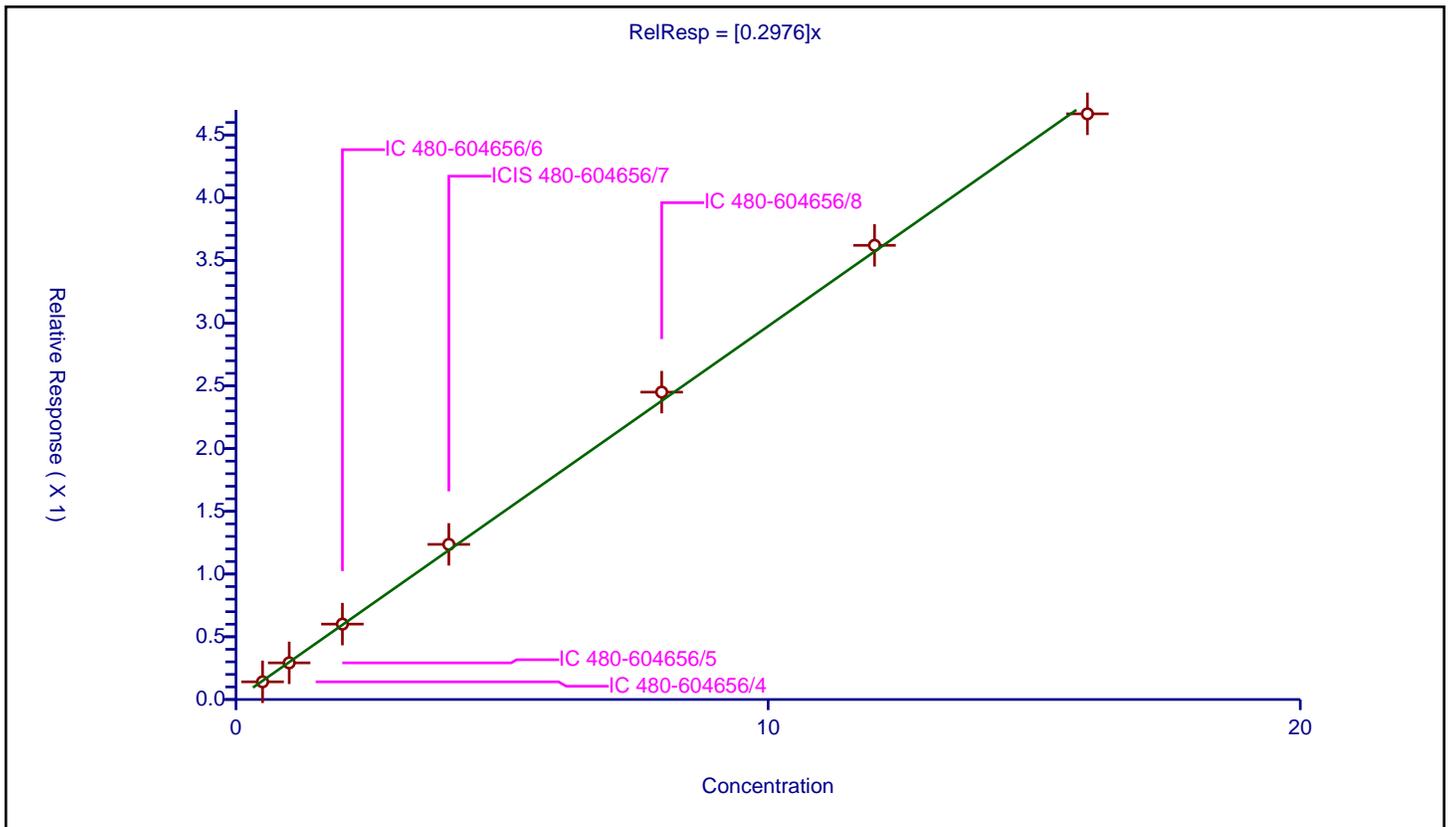
/ 2,4-Dichlorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2976

Error Coefficients	
Standard Error:	727000
Relative Standard Error:	3.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.140839	4.0	1074791.0	0.281677	Y
2	IC 480-604656/5	1.0	0.292036	4.0	1082140.0	0.292036	Y
3	IC 480-604656/6	2.0	0.601026	4.0	1115812.0	0.300513	Y
4	ICIS 480-604656/7	4.0	1.236482	4.0	1090979.0	0.309121	Y
5	IC 480-604656/8	8.0	2.450304	4.0	1130841.0	0.306288	Y
6	IC 480-604656/9	12.0	3.620369	4.0	1114103.0	0.301697	Y
7	IC 480-604656/10	16.0	4.668494	4.0	1058020.0	0.291781	Y



Calibration

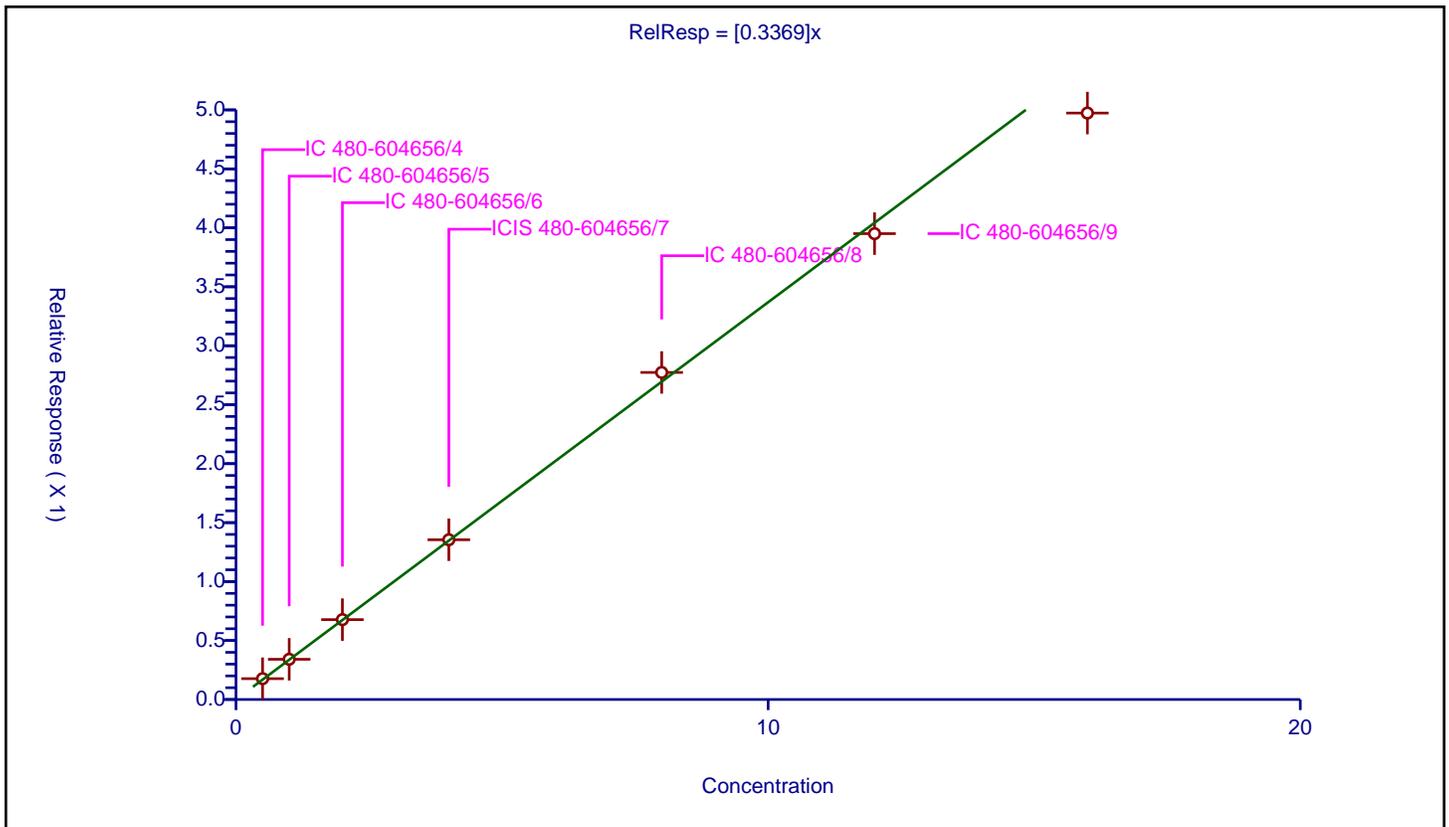
/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3369

Error Coefficients	
Standard Error:	789000
Relative Standard Error:	4.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.176537	4.0	1074791.0	0.353073	Y
2	IC 480-604656/5	1.0	0.34108	4.0	1082140.0	0.34108	Y
3	IC 480-604656/6	2.0	0.677265	4.0	1115812.0	0.338632	Y
4	ICIS 480-604656/7	4.0	1.35453	4.0	1090979.0	0.338633	Y
5	IC 480-604656/8	8.0	2.773437	4.0	1130841.0	0.34668	Y
6	IC 480-604656/9	12.0	3.95054	4.0	1114103.0	0.329212	Y
7	IC 480-604656/10	16.0	4.973173	4.0	1058020.0	0.310823	Y



Calibration

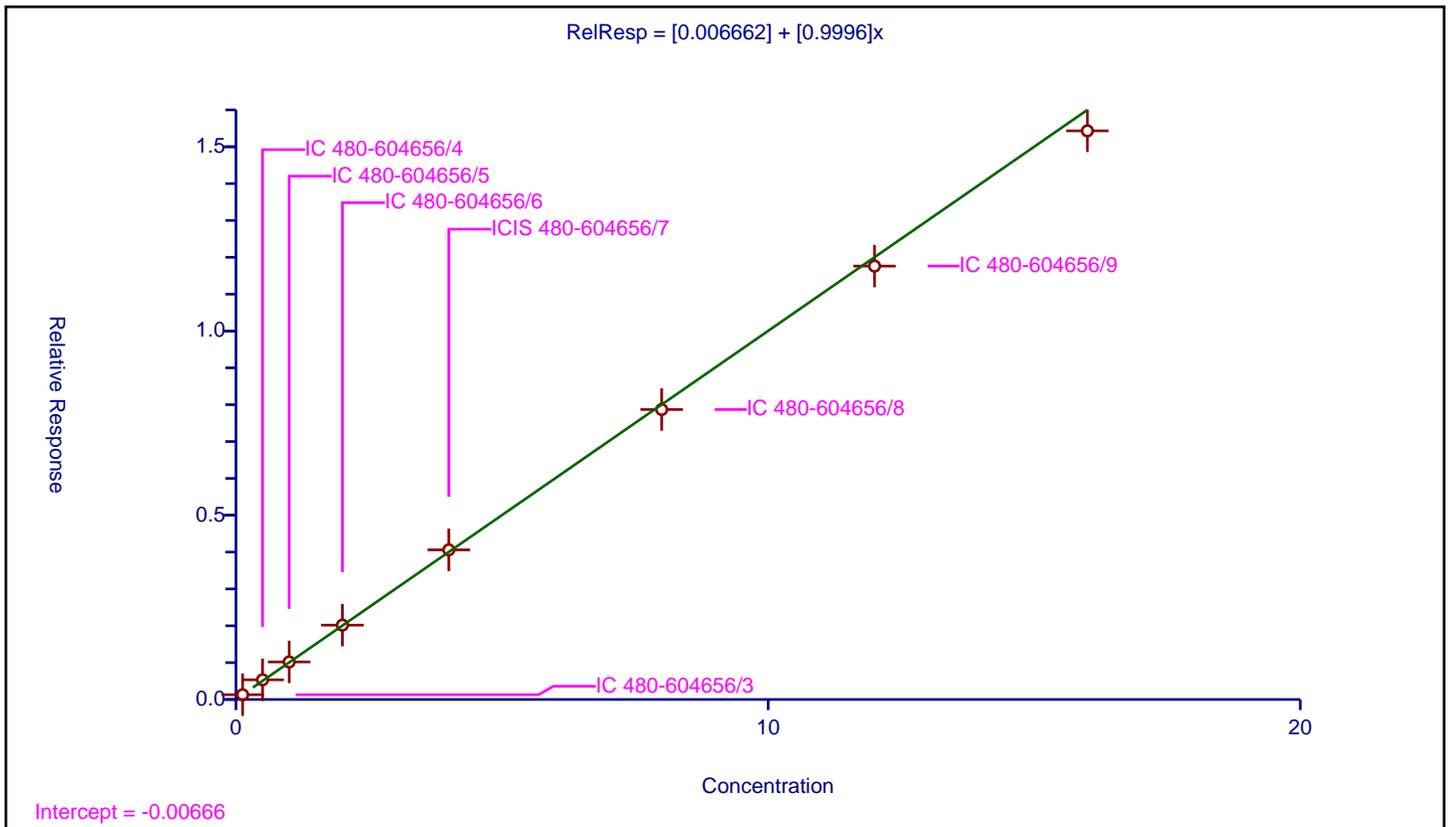
/ Naphthalene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.006662
Slope:	0.9996

Error Coefficients	
Standard Error:	2380000
Relative Standard Error:	3.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.129673	4.0	1081856.0	1.037388	Y
2	IC 480-604656/4	0.5	0.534232	4.0	1074791.0	1.068464	Y
3	IC 480-604656/5	1.0	1.018892	4.0	1082140.0	1.018892	Y
4	IC 480-604656/6	2.0	2.017989	4.0	1115812.0	1.008994	Y
5	ICIS 480-604656/7	4.0	4.060588	4.0	1090979.0	1.015147	Y
6	IC 480-604656/8	8.0	7.868431	4.0	1130841.0	0.983554	Y
7	IC 480-604656/9	12.0	11.760992	4.0	1114103.0	0.980083	Y
8	IC 480-604656/10	16.0	15.431315	4.0	1058020.0	0.964457	Y



Calibration

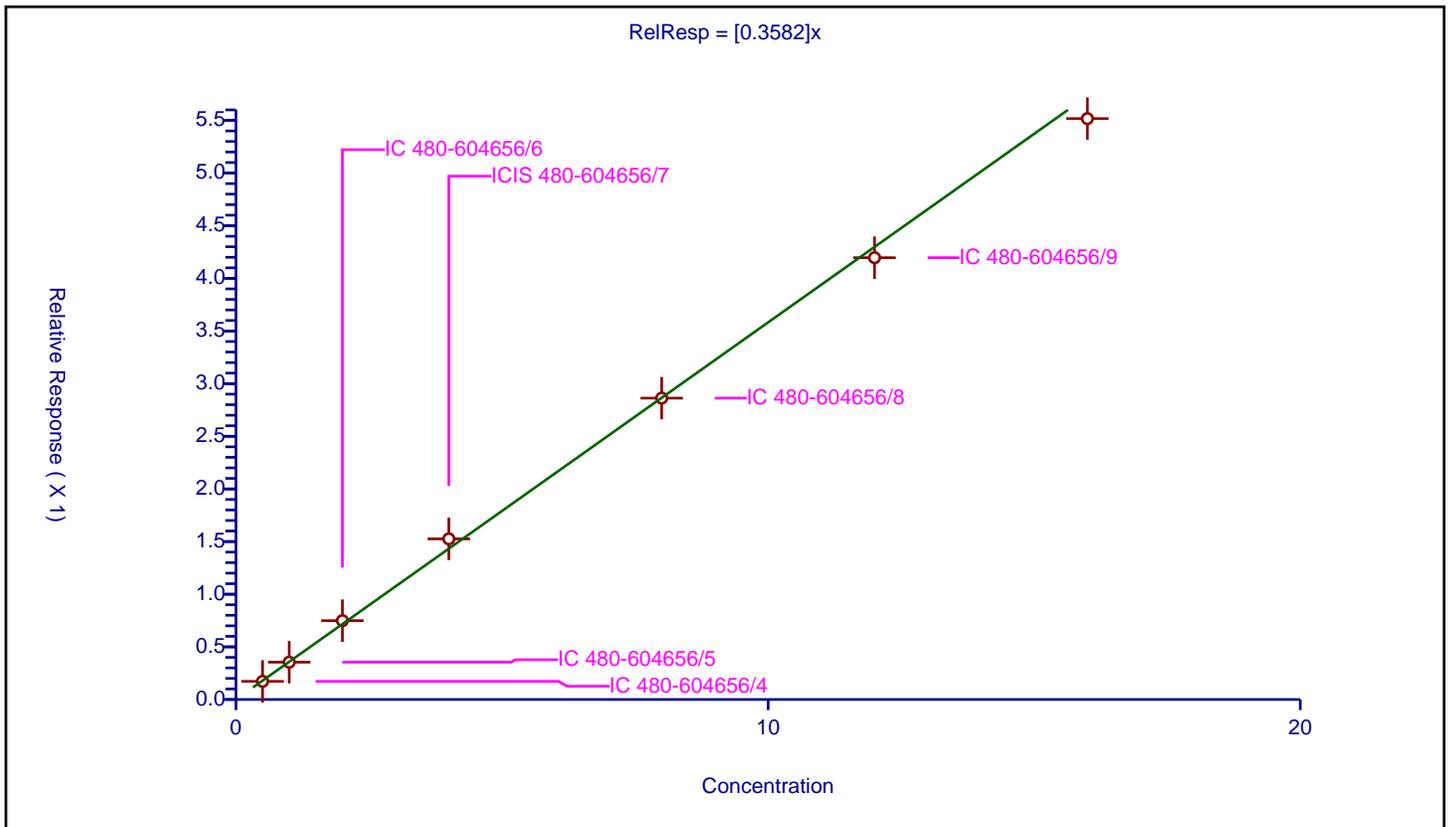
/ 4-Chloroaniline

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3582

Error Coefficients	
Standard Error:	854000
Relative Standard Error:	4.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.172391	4.0	1074791.0	0.344781	Y
2	IC 480-604656/5	1.0	0.354468	4.0	1082140.0	0.354468	Y
3	IC 480-604656/6	2.0	0.748811	4.0	1115812.0	0.374405	Y
4	ICIS 480-604656/7	4.0	1.525525	4.0	1090979.0	0.381381	Y
5	IC 480-604656/8	8.0	2.86233	4.0	1130841.0	0.357791	Y
6	IC 480-604656/9	12.0	4.196244	4.0	1114103.0	0.349687	Y
7	IC 480-604656/10	16.0	5.517351	4.0	1058020.0	0.344834	Y



Calibration

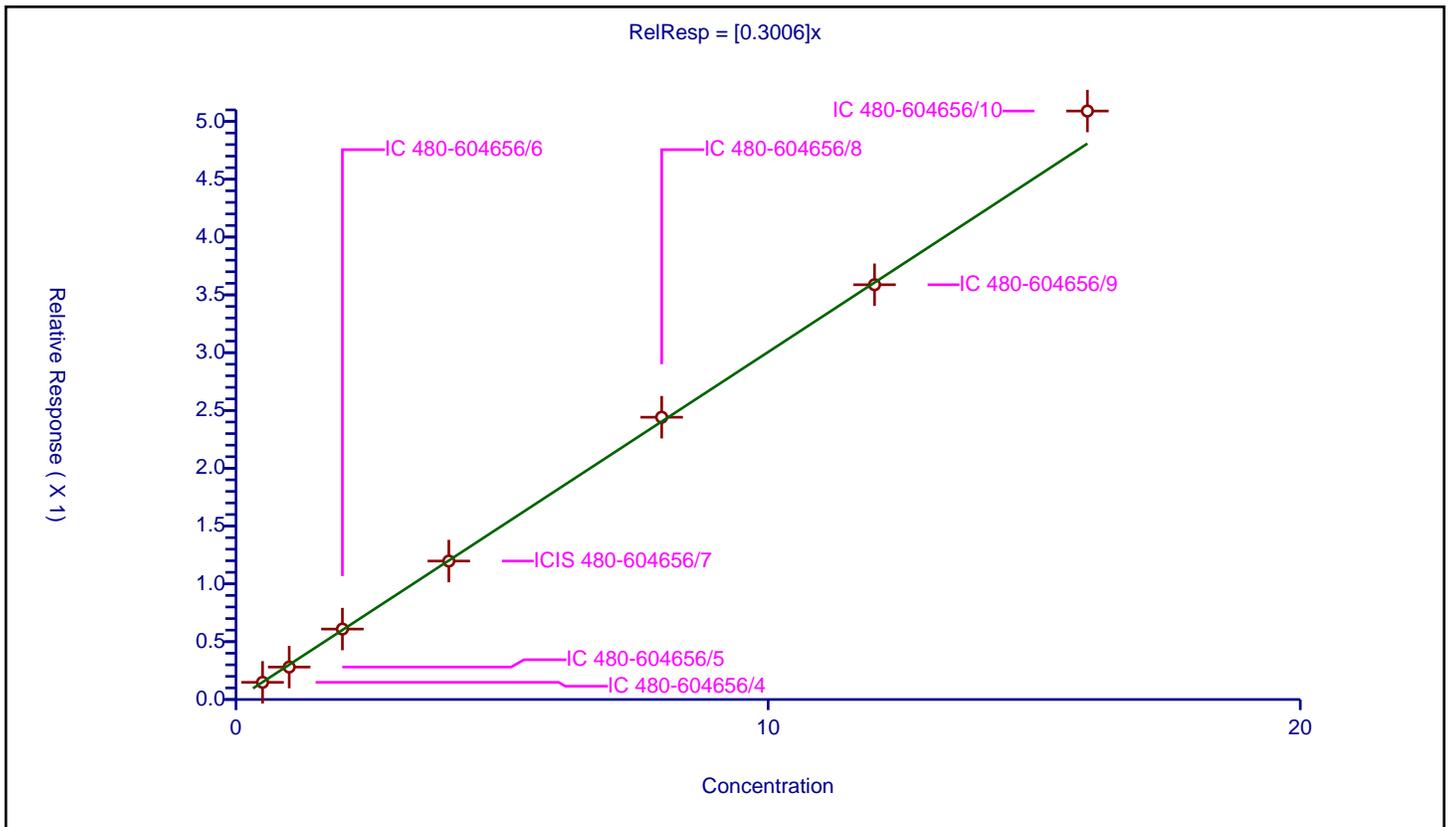
/ 2,6-Dichlorophenol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3006

Error Coefficients	
Standard Error:	756000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.148505	4.0	1074791.0	0.29701	Y
2	IC 480-604656/5	1.0	0.28057	4.0	1082140.0	0.28057	Y
3	IC 480-604656/6	2.0	0.609192	4.0	1115812.0	0.304596	Y
4	ICIS 480-604656/7	4.0	1.197504	4.0	1090979.0	0.299376	Y
5	IC 480-604656/8	8.0	2.441627	4.0	1130841.0	0.305203	Y
6	IC 480-604656/9	12.0	3.587747	4.0	1114103.0	0.298979	Y
7	IC 480-604656/10	16.0	5.09004	4.0	1058020.0	0.318127	Y



Calibration

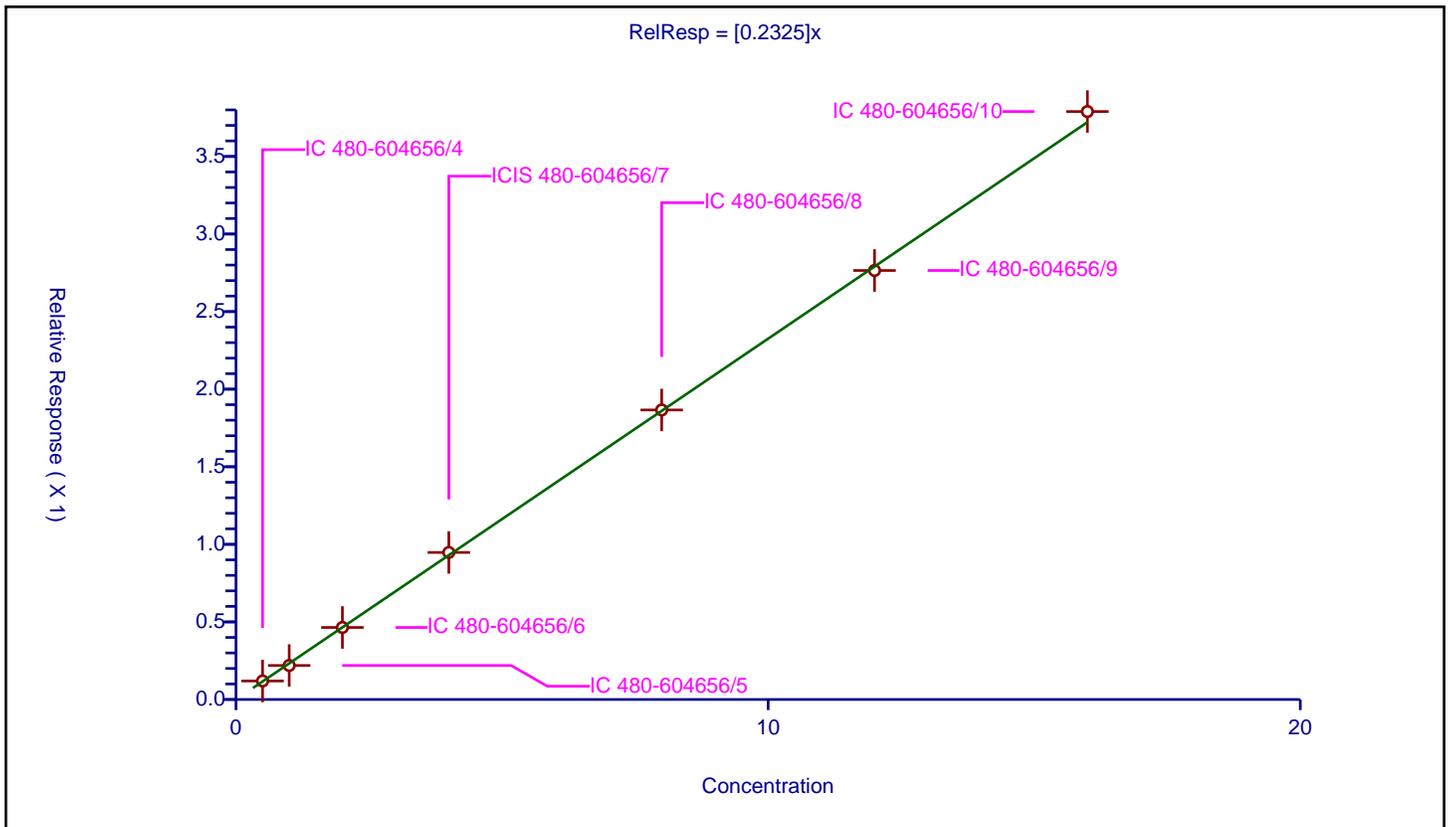
/ Hexachlorobutadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2325

Error Coefficients	
Standard Error:	572000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.119424	4.0	1074791.0	0.238848	Y
2	IC 480-604656/5	1.0	0.219339	4.0	1082140.0	0.219339	Y
3	IC 480-604656/6	2.0	0.464293	4.0	1115812.0	0.232147	Y
4	ICIS 480-604656/7	4.0	0.947644	4.0	1090979.0	0.236911	Y
5	IC 480-604656/8	8.0	1.866066	4.0	1130841.0	0.233258	Y
6	IC 480-604656/9	12.0	2.764969	4.0	1114103.0	0.230414	Y
7	IC 480-604656/10	16.0	3.789418	4.0	1058020.0	0.236839	Y



Calibration

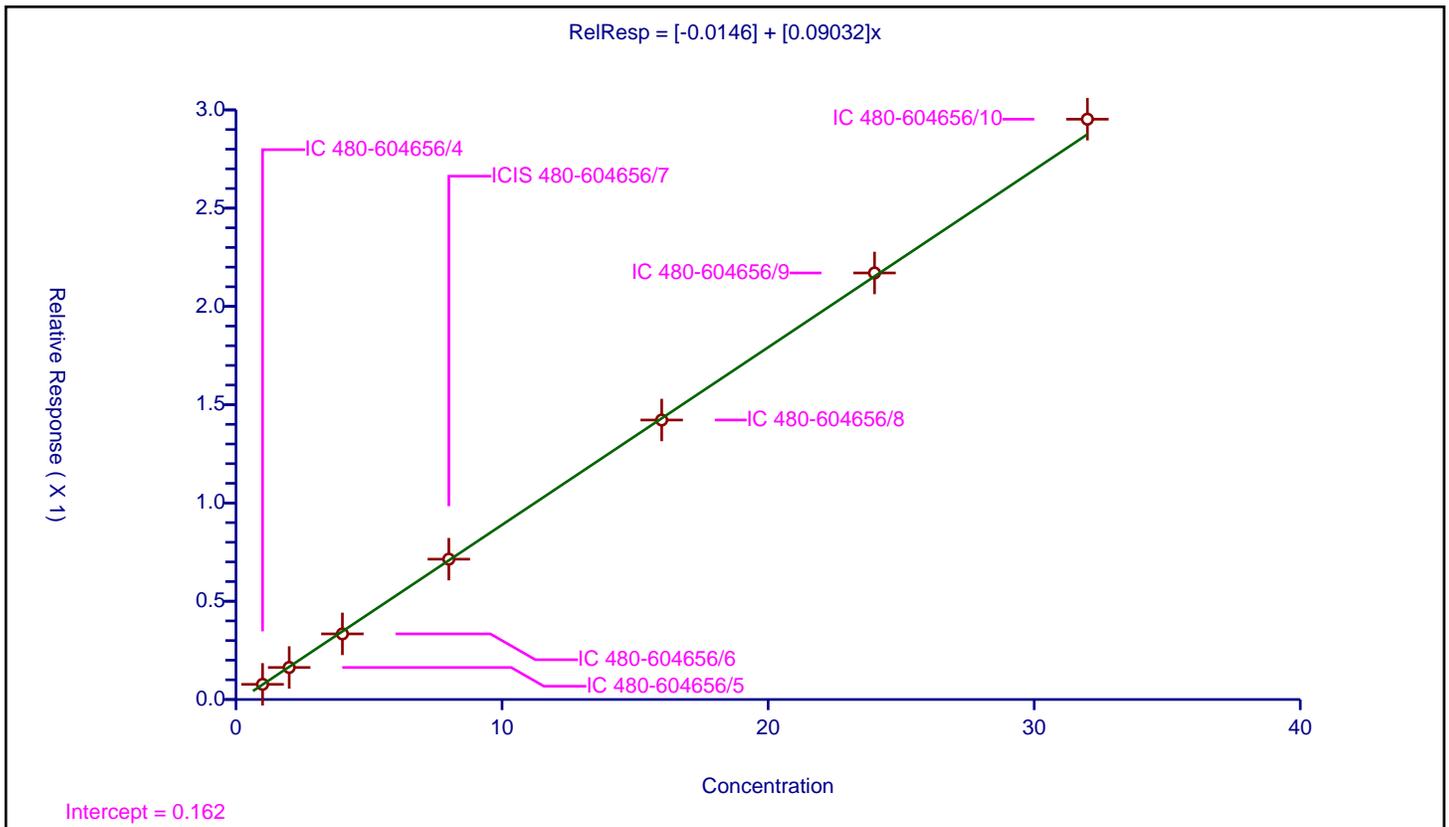
/ Caprolactam

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.0146
Slope:	0.09032

Error Coefficients	
Standard Error:	487000
Relative Standard Error:	2.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.077128	4.0	1074791.0	0.077128	Y
2	IC 480-604656/5	2.0	0.162959	4.0	1082140.0	0.081479	Y
3	IC 480-604656/6	4.0	0.333816	4.0	1115812.0	0.083454	Y
4	ICIS 480-604656/7	8.0	0.713964	4.0	1090979.0	0.089246	Y
5	IC 480-604656/8	16.0	1.422011	4.0	1130841.0	0.088876	Y
6	IC 480-604656/9	24.0	2.170248	4.0	1114103.0	0.090427	Y
7	IC 480-604656/10	32.0	2.952685	4.0	1058020.0	0.092271	Y



Calibration

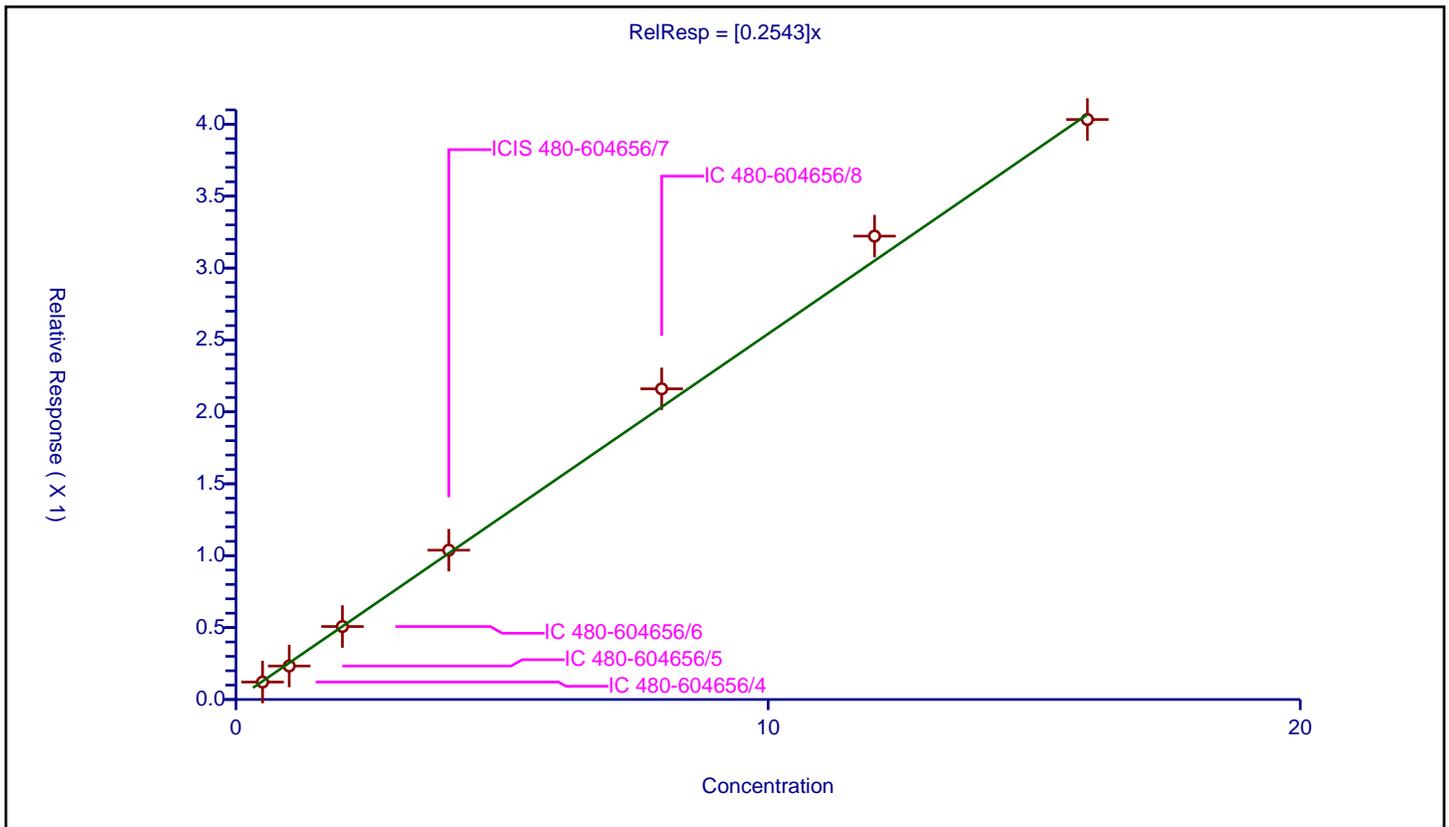
/ 4-Chloro-3-methylphenol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2543

Error Coefficients	
Standard Error:	635000
Relative Standard Error:	5.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.121501	4.0	1074791.0	0.243002	Y
2	IC 480-604656/5	1.0	0.232879	4.0	1082140.0	0.232879	Y
3	IC 480-604656/6	2.0	0.507469	4.0	1115812.0	0.253735	Y
4	ICIS 480-604656/7	4.0	1.038425	4.0	1090979.0	0.259606	Y
5	IC 480-604656/8	8.0	2.160222	4.0	1130841.0	0.270028	Y
6	IC 480-604656/9	12.0	3.222388	4.0	1114103.0	0.268532	Y
7	IC 480-604656/10	16.0	4.033251	4.0	1058020.0	0.252078	Y



Calibration

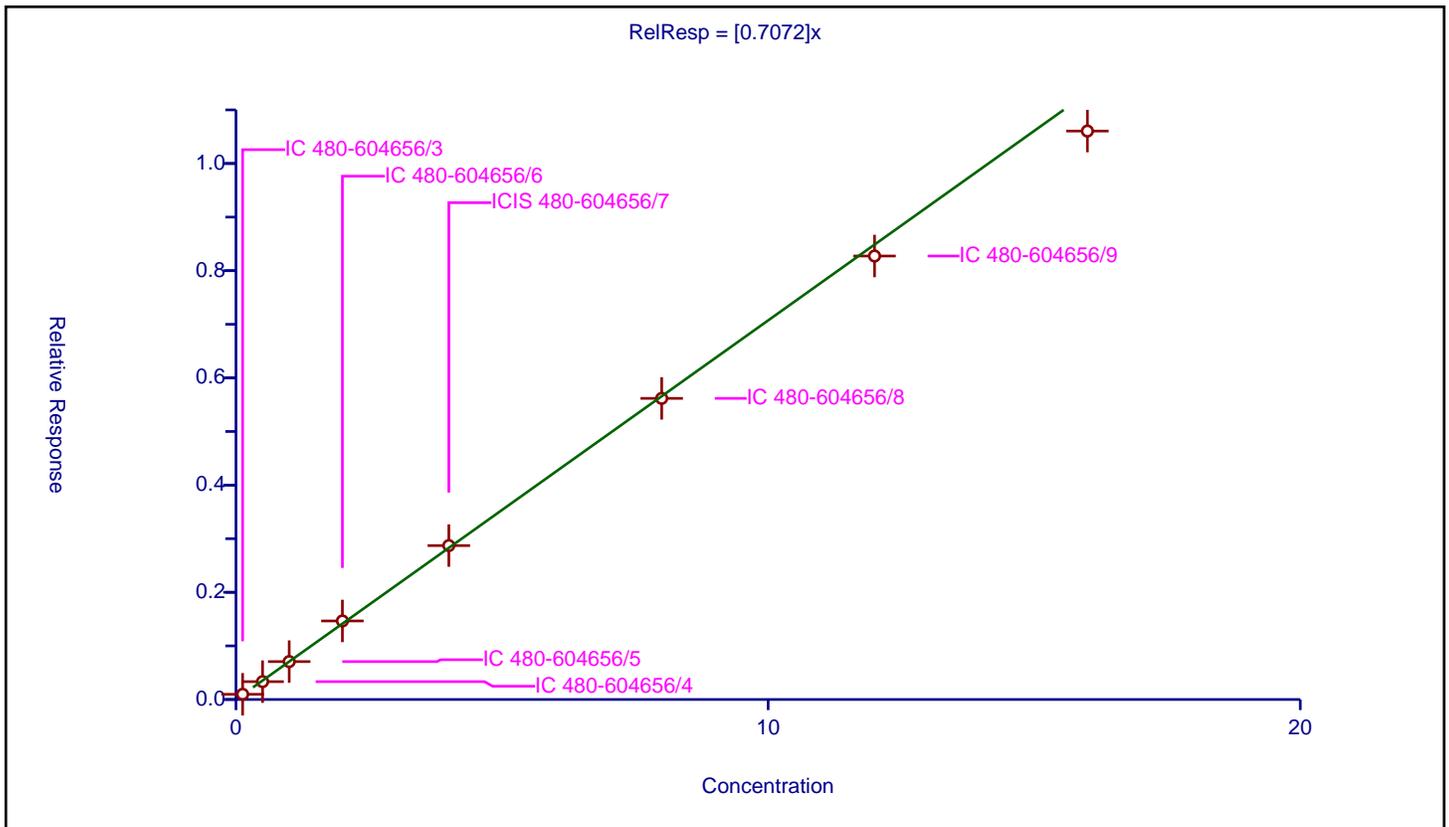
/ 2-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7072

Error Coefficients	
Standard Error:	1540000
Relative Standard Error:	5.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.097407	4.0	1081856.0	0.779253	Y
2	IC 480-604656/4	0.5	0.333114	4.0	1074791.0	0.666228	Y
3	IC 480-604656/5	1.0	0.707117	4.0	1082140.0	0.707117	Y
4	IC 480-604656/6	2.0	1.465548	4.0	1115812.0	0.732774	Y
5	ICIS 480-604656/7	4.0	2.871582	4.0	1090979.0	0.717896	Y
6	IC 480-604656/8	8.0	5.617822	4.0	1130841.0	0.702228	Y
7	IC 480-604656/9	12.0	8.274036	4.0	1114103.0	0.689503	Y
8	IC 480-604656/10	16.0	10.605444	4.0	1058020.0	0.66284	Y



Calibration

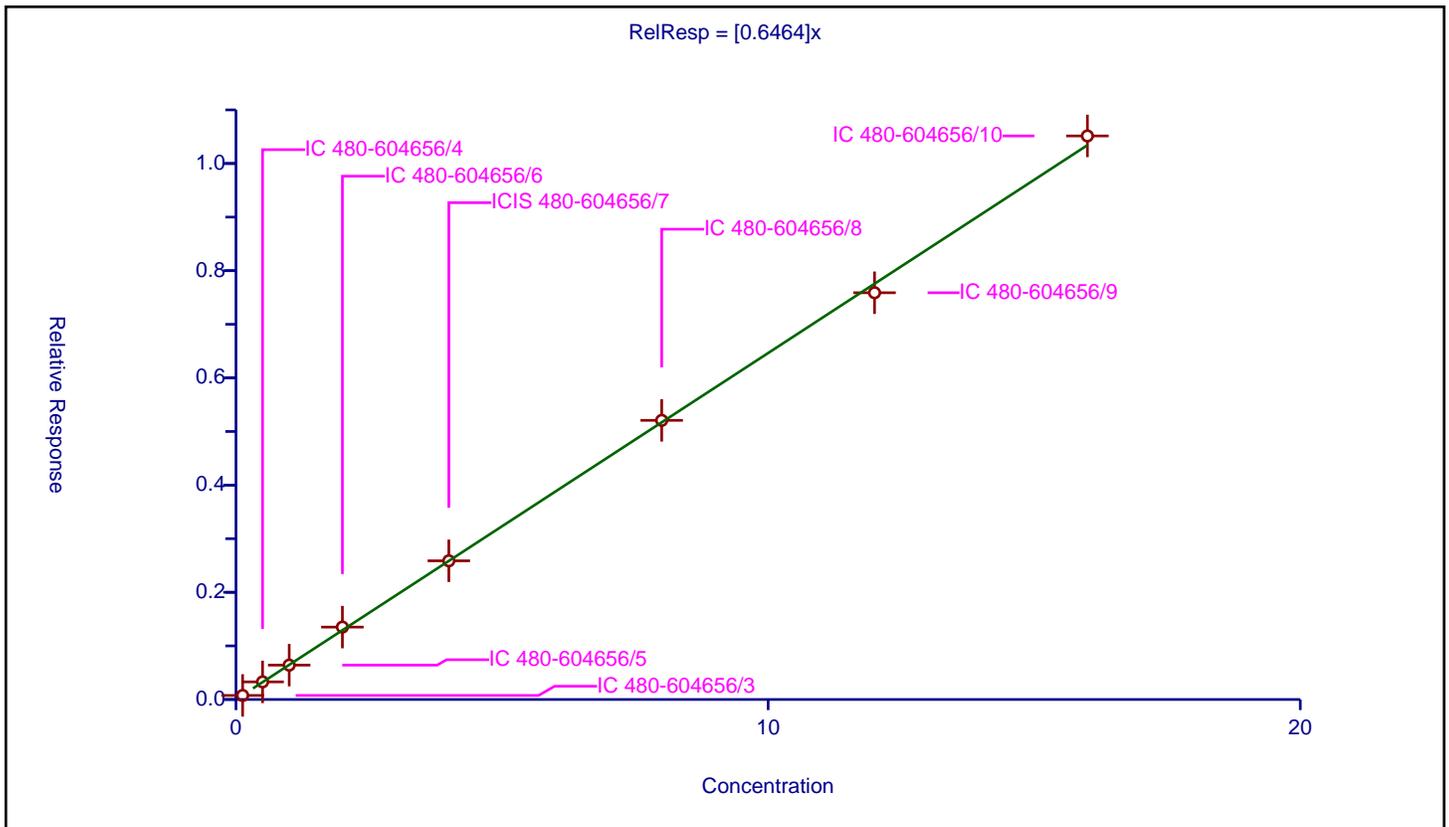
/ 1-Methylnaphthalene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6464

Error Coefficients	
Standard Error:	1470000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.076099	4.0	1081856.0	0.608791	Y
2	IC 480-604656/4	0.5	0.328912	4.0	1074791.0	0.657825	Y
3	IC 480-604656/5	1.0	0.641444	4.0	1082140.0	0.641444	Y
4	IC 480-604656/6	2.0	1.350959	4.0	1115812.0	0.675479	Y
5	ICIS 480-604656/7	4.0	2.587273	4.0	1090979.0	0.646818	Y
6	IC 480-604656/8	8.0	5.207809	4.0	1130841.0	0.650976	Y
7	IC 480-604656/9	12.0	7.588724	4.0	1114103.0	0.632394	Y
8	IC 480-604656/10	16.0	10.514319	4.0	1058020.0	0.657145	Y



Calibration

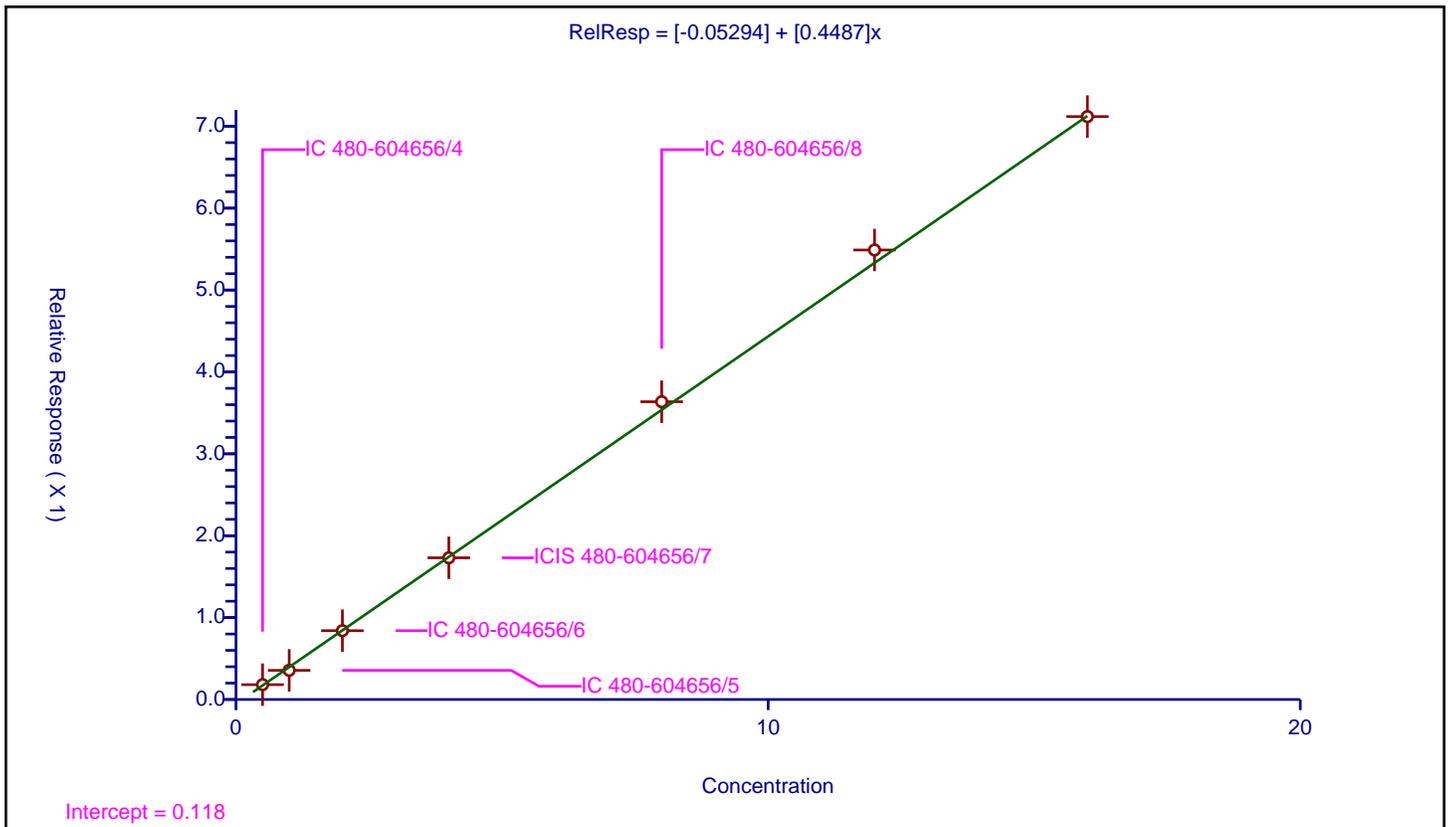
/ Hexachlorocyclopentadiene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.05294
Slope:	0.4487

Error Coefficients	
Standard Error:	732000
Relative Standard Error:	4.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.181091	4.0	650435.0	0.362182	Y
2	IC 480-604656/5	1.0	0.35603	4.0	631835.0	0.35603	Y
3	IC 480-604656/6	2.0	0.840436	4.0	663332.0	0.420218	Y
4	ICIS 480-604656/7	4.0	1.730188	4.0	657931.0	0.432547	Y
5	IC 480-604656/8	8.0	3.636042	4.0	687311.0	0.454505	Y
6	IC 480-604656/9	12.0	5.489127	4.0	669203.0	0.457427	Y
7	IC 480-604656/10	16.0	7.118298	4.0	651268.0	0.444894	Y



Calibration

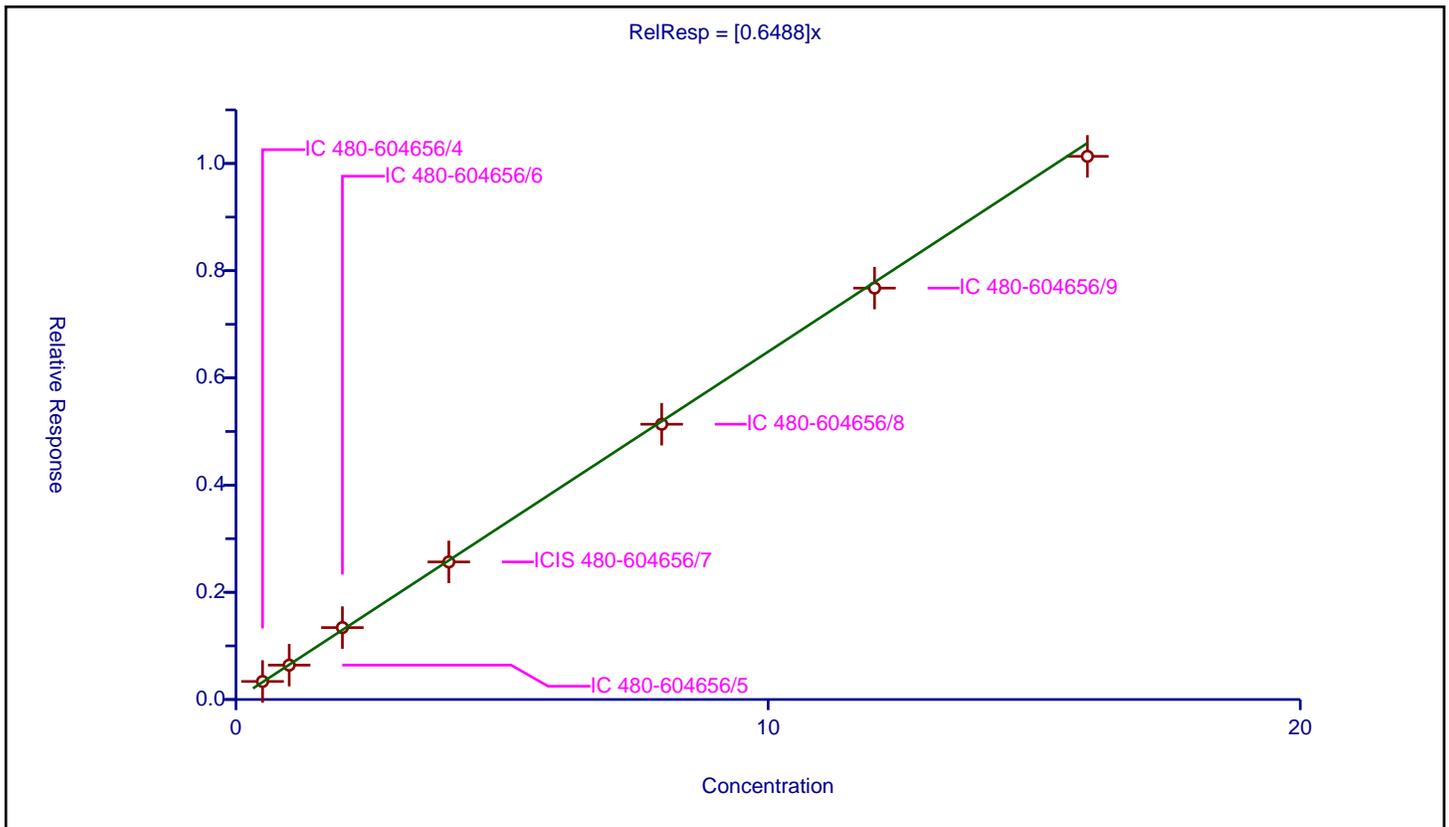
/ 1,2,4,5-Tetrachlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6488

Error Coefficients	
Standard Error:	948000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.336501	4.0	650435.0	0.673002	Y
2	IC 480-604656/5	1.0	0.641148	4.0	631835.0	0.641148	Y
3	IC 480-604656/6	2.0	1.342061	4.0	663332.0	0.67103	Y
4	ICIS 480-604656/7	4.0	2.566458	4.0	657931.0	0.641614	Y
5	IC 480-604656/8	8.0	5.135736	4.0	687311.0	0.641967	Y
6	IC 480-604656/9	12.0	7.675178	4.0	669203.0	0.639598	Y
7	IC 480-604656/10	16.0	10.133837	4.0	651268.0	0.633365	Y



Calibration

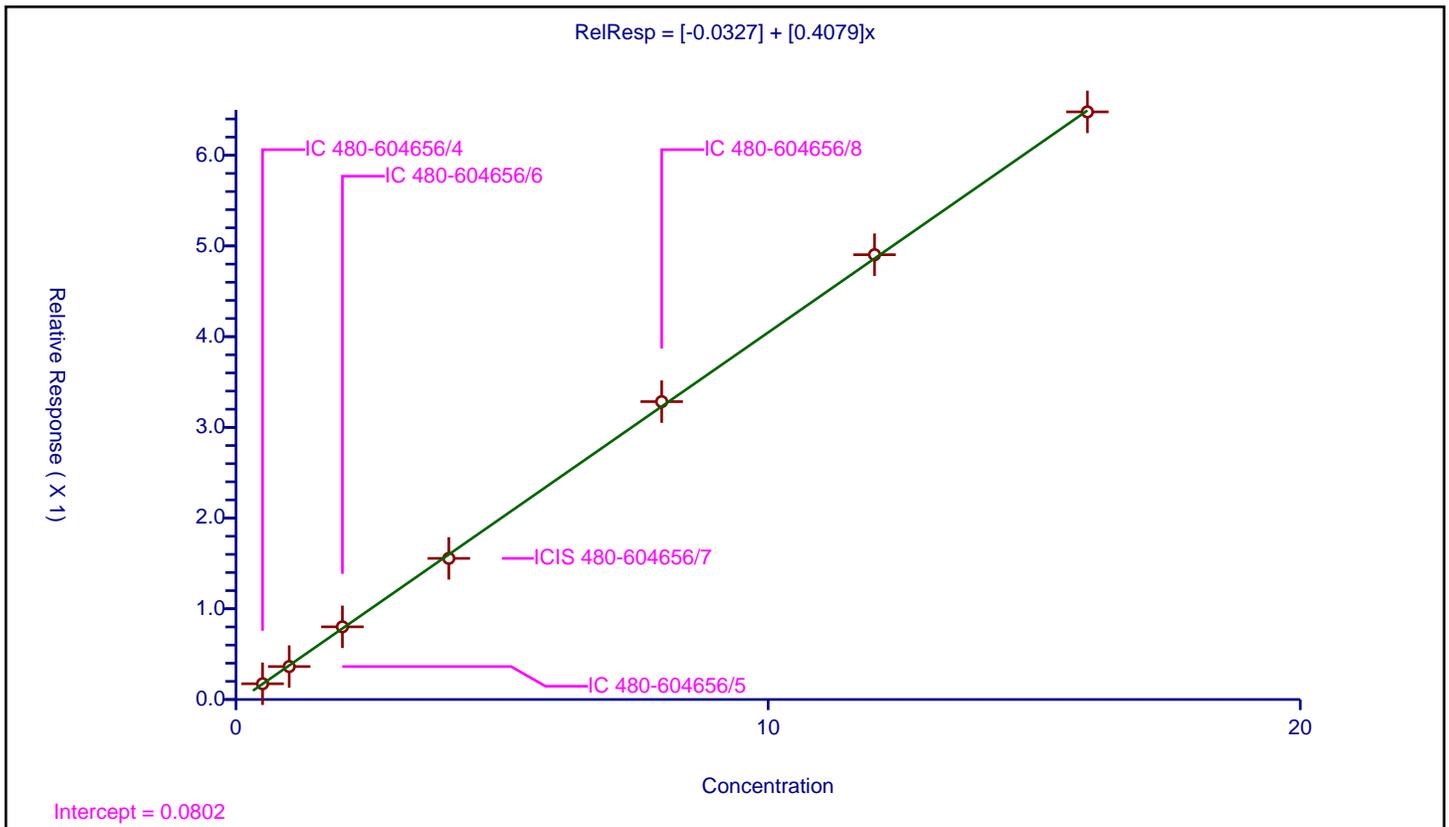
/ 2,4,6-Trichlorophenol

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-0.0327
Slope:	0.4079

Error Coefficients	
Standard Error:	662000
Relative Standard Error:	2.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.173515	4.0	650435.0	0.347029	Y
2	IC 480-604656/5	1.0	0.363209	4.0	631835.0	0.363209	Y
3	IC 480-604656/6	2.0	0.800987	4.0	663332.0	0.400493	Y
4	ICIS 480-604656/7	4.0	1.55578	4.0	657931.0	0.388945	Y
5	IC 480-604656/8	8.0	3.283713	4.0	687311.0	0.410464	Y
6	IC 480-604656/9	12.0	4.903564	4.0	669203.0	0.40863	Y
7	IC 480-604656/10	16.0	6.478132	4.0	651268.0	0.404883	Y



Calibration

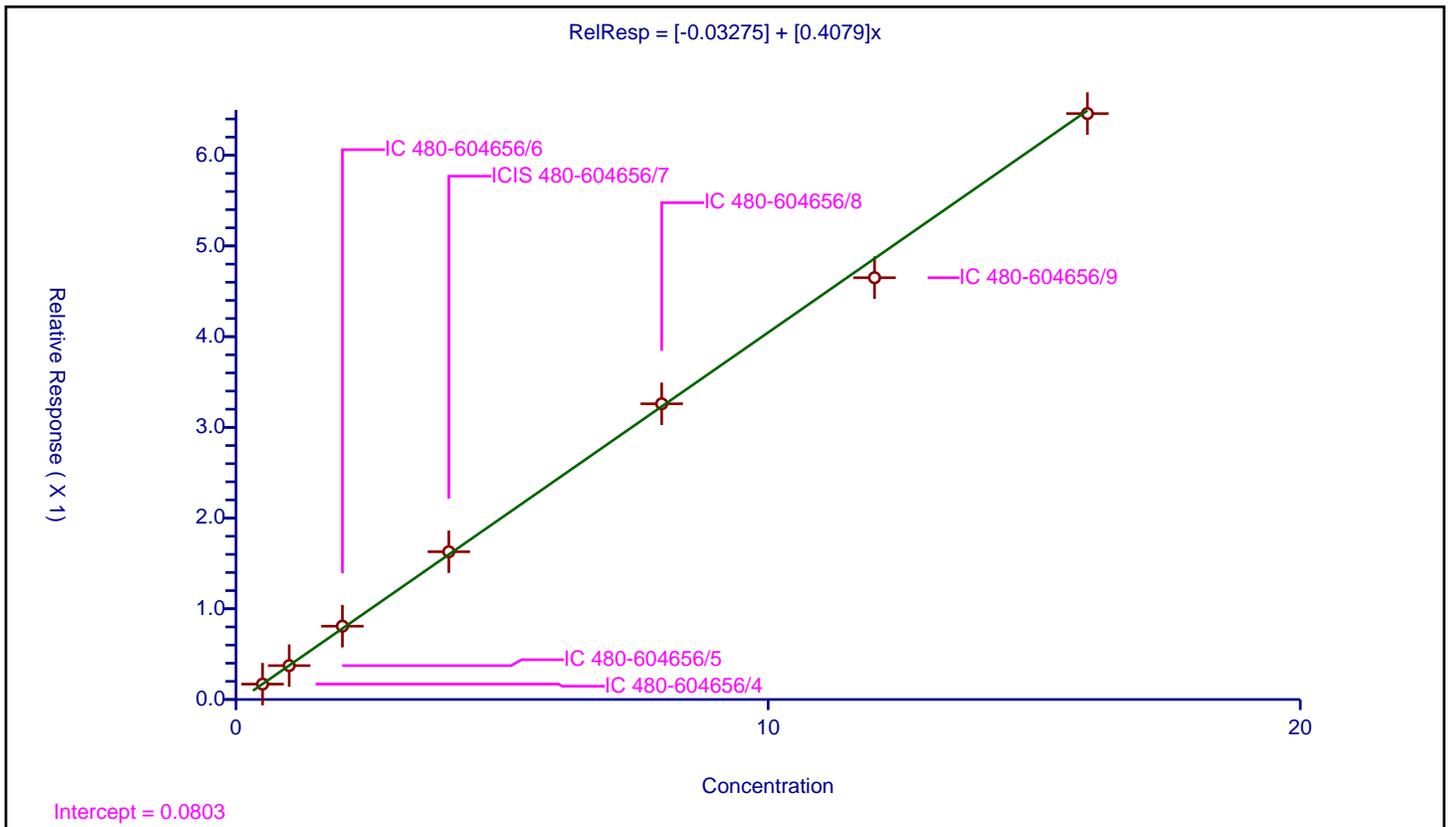
/ 2,4,5-Trichlorophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.03275
Slope:	0.4079

Error Coefficients	
Standard Error:	651000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.169782	4.0	650435.0	0.339564	Y
2	IC 480-604656/5	1.0	0.373541	4.0	631835.0	0.373541	Y
3	IC 480-604656/6	2.0	0.80838	4.0	663332.0	0.40419	Y
4	ICIS 480-604656/7	4.0	1.628991	4.0	657931.0	0.407248	Y
5	IC 480-604656/8	8.0	3.259997	4.0	687311.0	0.4075	Y
6	IC 480-604656/9	12.0	4.650093	4.0	669203.0	0.387508	Y
7	IC 480-604656/10	16.0	6.459399	4.0	651268.0	0.403712	Y



Calibration

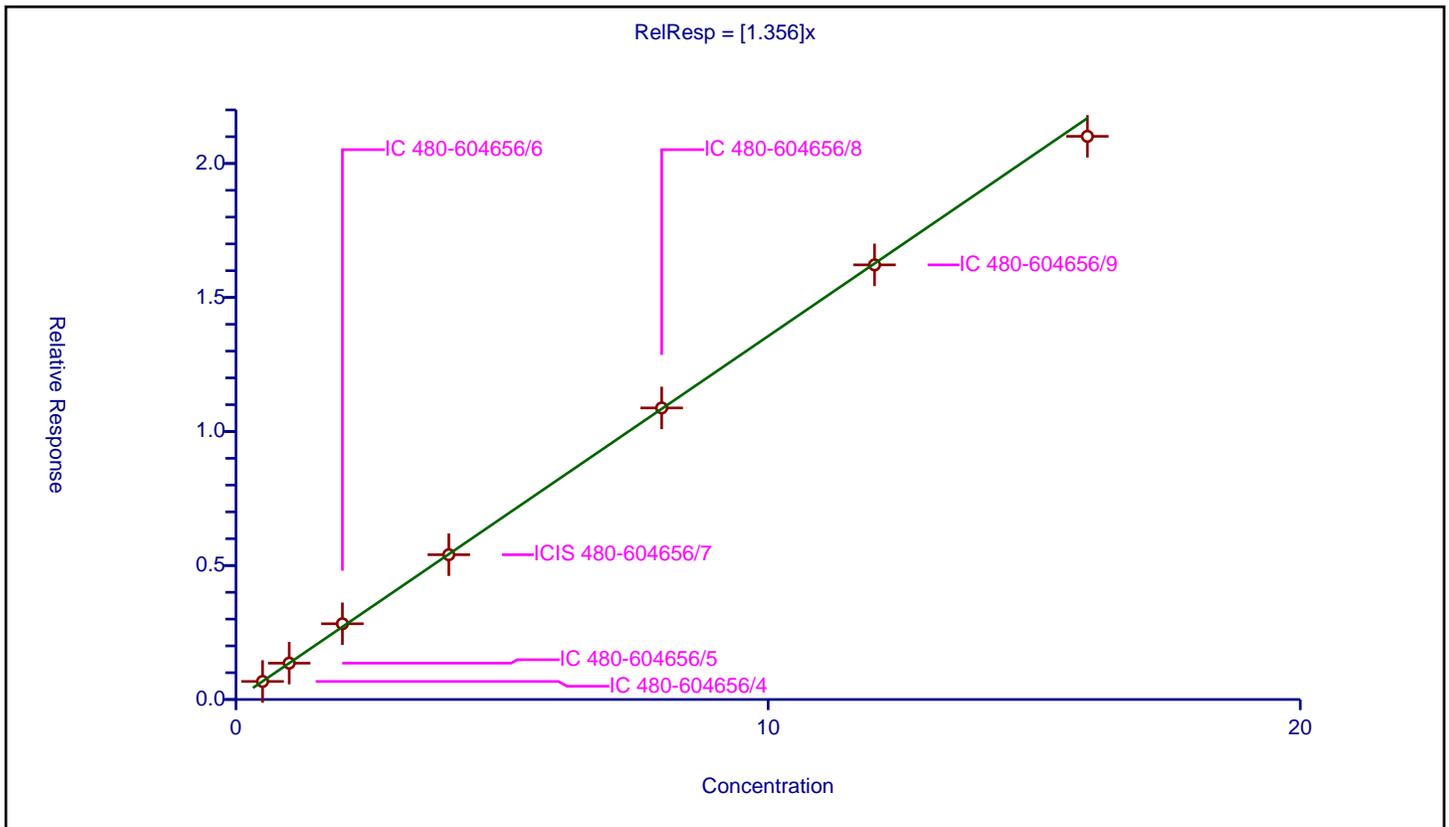
/ 2-Fluorobiphenyl

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	
Standard Error:	1980000
Relative Standard Error:	2.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.673223	4.0	650435.0	1.346447	Y
2	IC 480-604656/5	1.0	1.355582	4.0	631835.0	1.355582	Y
3	IC 480-604656/6	2.0	2.825969	4.0	663332.0	1.412985	Y
4	ICIS 480-604656/7	4.0	5.402311	4.0	657931.0	1.350578	Y
5	IC 480-604656/8	8.0	10.87822	4.0	687311.0	1.359777	Y
6	IC 480-604656/9	12.0	16.217393	4.0	669203.0	1.351449	Y
7	IC 480-604656/10	16.0	21.013463	4.0	651268.0	1.313341	Y



Calibration

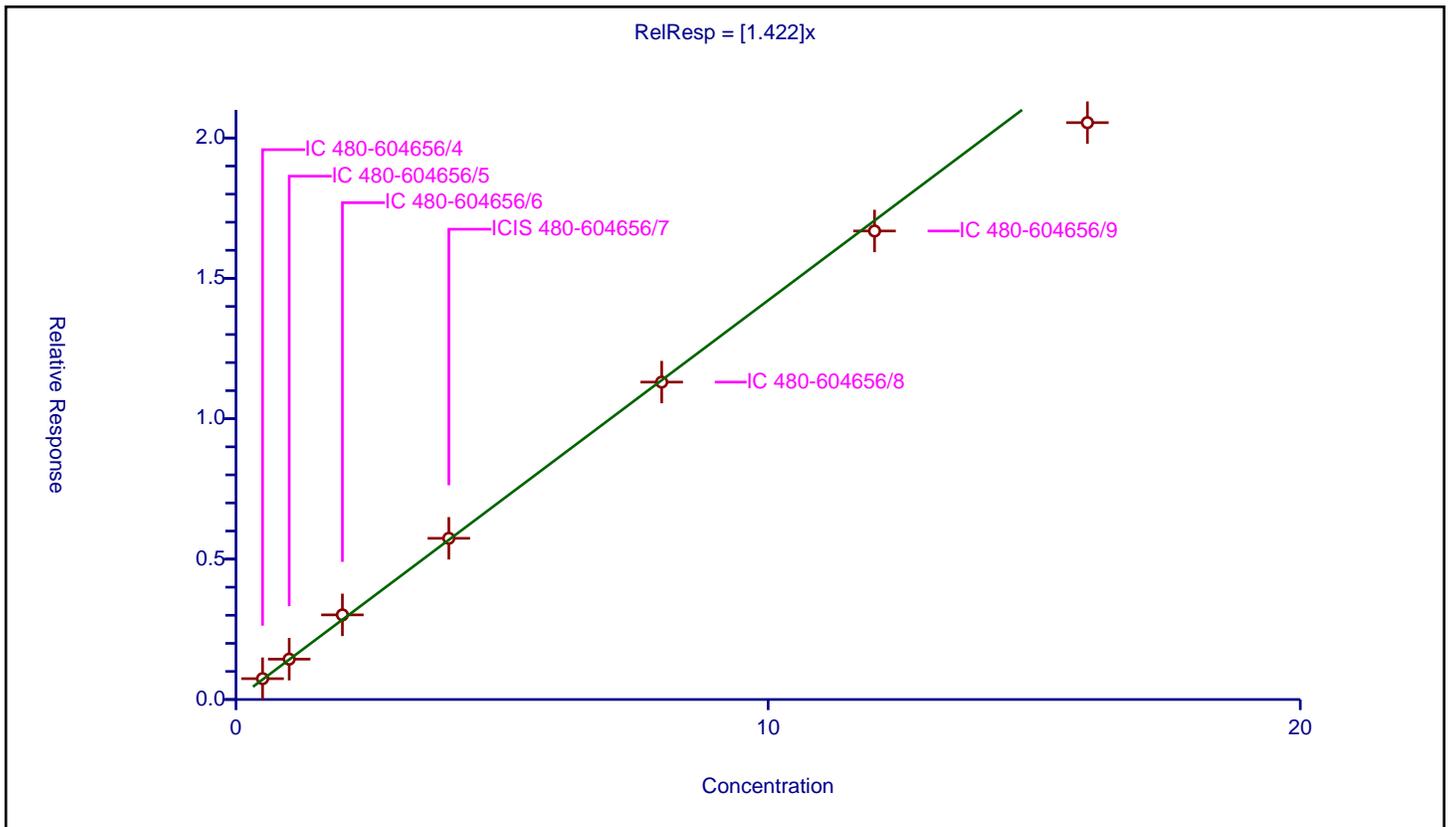
/ 1,1'-Biphenyl

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.422

Error Coefficients	
Standard Error:	2000000
Relative Standard Error:	5.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.74199	4.0	650435.0	1.483979	Y
2	IC 480-604656/5	1.0	1.437046	4.0	631835.0	1.437046	Y
3	IC 480-604656/6	2.0	3.013574	4.0	663332.0	1.506787	Y
4	ICIS 480-604656/7	4.0	5.741702	4.0	657931.0	1.435426	Y
5	IC 480-604656/8	8.0	11.305089	4.0	687311.0	1.413136	Y
6	IC 480-604656/9	12.0	16.68699	4.0	669203.0	1.390583	Y
7	IC 480-604656/10	16.0	20.546178	4.0	651268.0	1.284136	Y



Calibration

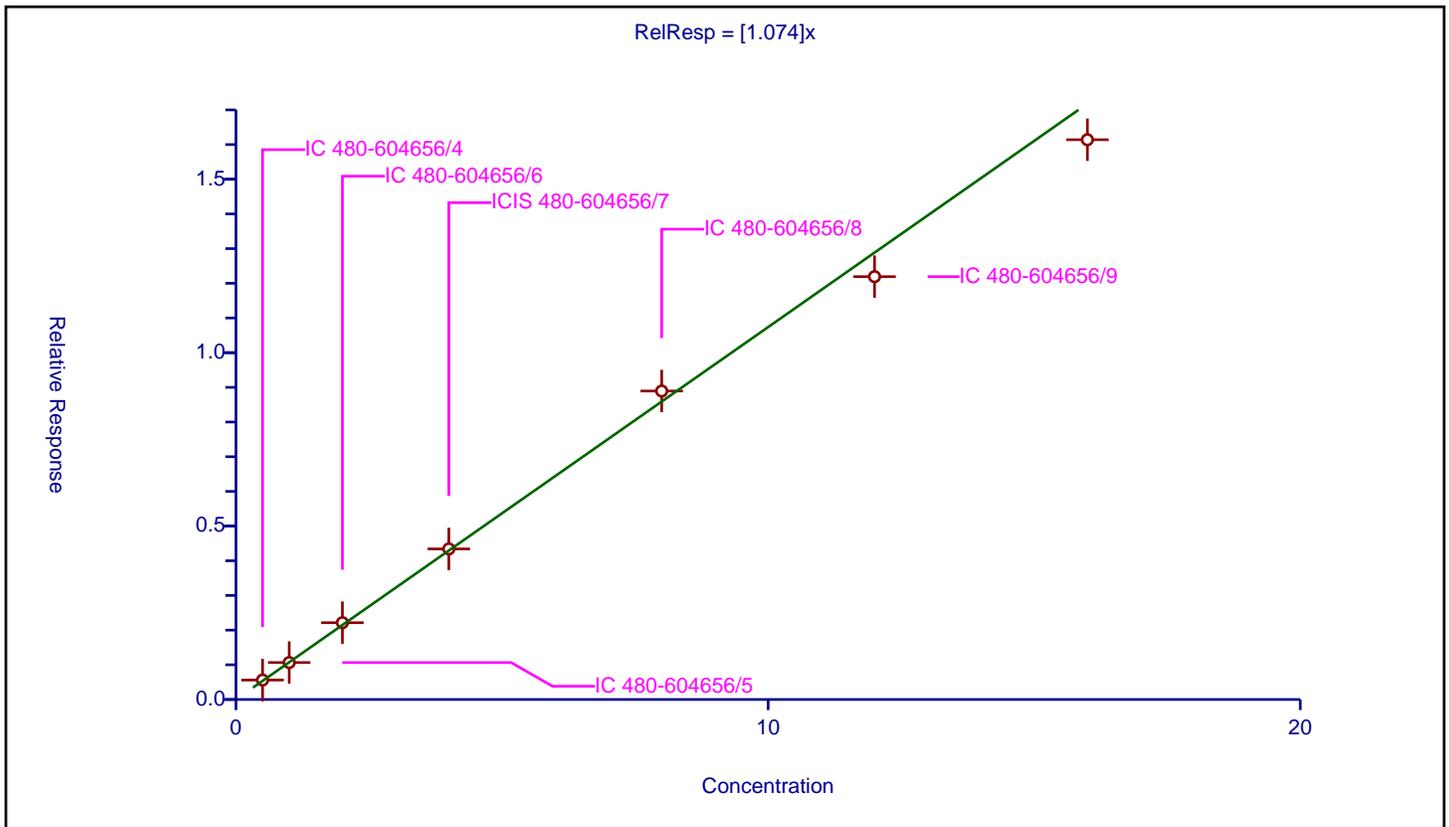
/ 2-Chloronaphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.074

Error Coefficients	
Standard Error:	1530000
Relative Standard Error:	4.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.561065	4.0	650435.0	1.122129	Y
2	IC 480-604656/5	1.0	1.065202	4.0	631835.0	1.065202	Y
3	IC 480-604656/6	2.0	2.21439	4.0	663332.0	1.107195	Y
4	ICIS 480-604656/7	4.0	4.341258	4.0	657931.0	1.085314	Y
5	IC 480-604656/8	8.0	8.894	4.0	687311.0	1.11175	Y
6	IC 480-604656/9	12.0	12.191673	4.0	669203.0	1.015973	Y
7	IC 480-604656/10	16.0	16.139924	4.0	651268.0	1.008745	Y



Calibration

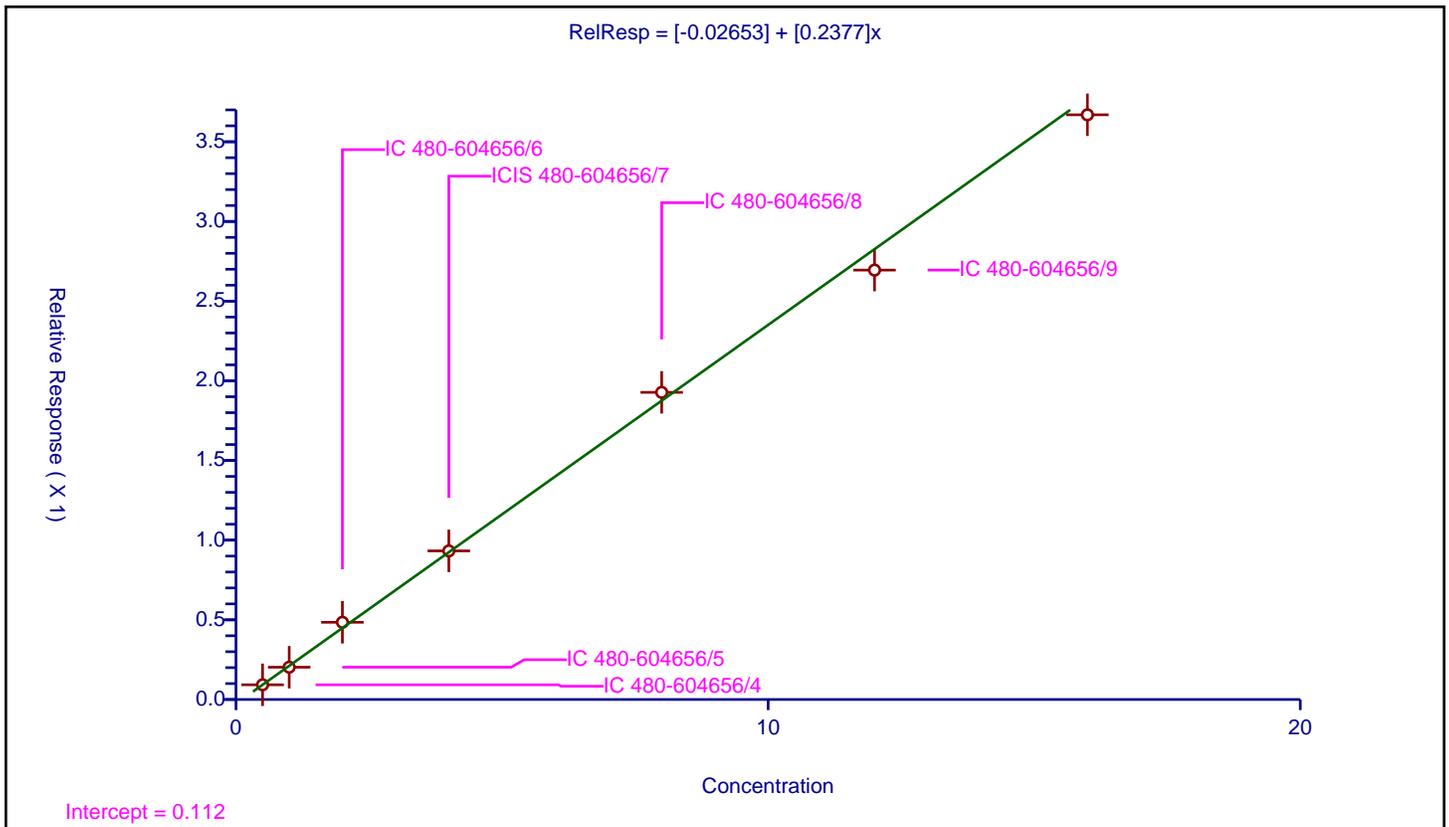
/ 2-Nitroaniline

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.02653
Slope:	0.2377

Error Coefficients	
Standard Error:	374000
Relative Standard Error:	4.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.09224	4.0	650435.0	0.18448	Y
2	IC 480-604656/5	1.0	0.202591	4.0	631835.0	0.202591	Y
3	IC 480-604656/6	2.0	0.484578	4.0	663332.0	0.242289	Y
4	ICIS 480-604656/7	4.0	0.932499	4.0	657931.0	0.233125	Y
5	IC 480-604656/8	8.0	1.927389	4.0	687311.0	0.240924	Y
6	IC 480-604656/9	12.0	2.694614	4.0	669203.0	0.224551	Y
7	IC 480-604656/10	16.0	3.669162	4.0	651268.0	0.229323	Y



Calibration

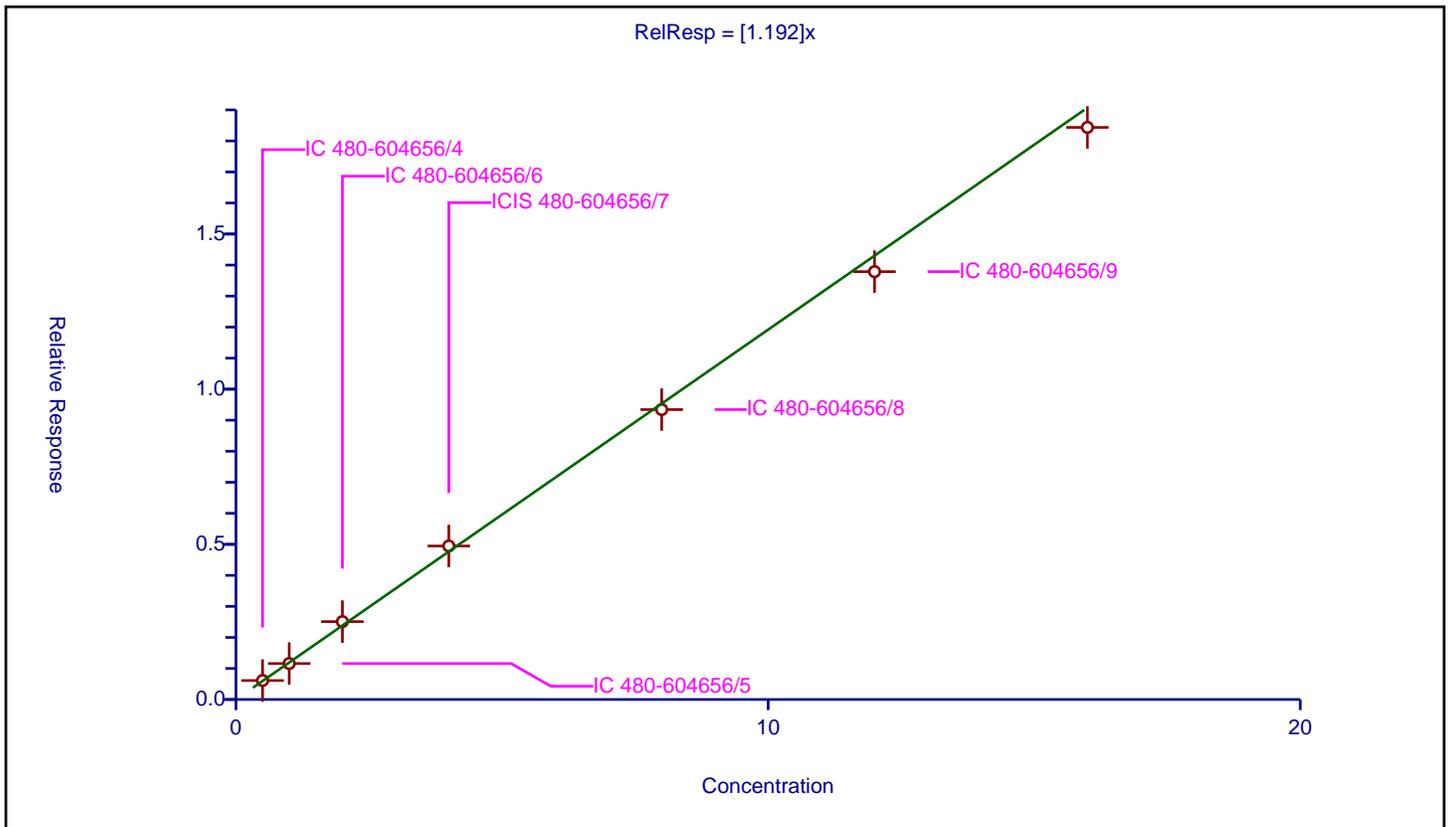
/ Dimethyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.192

Error Coefficients	
Standard Error:	1720000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.611505	4.0	650435.0	1.223009	Y
2	IC 480-604656/5	1.0	1.159214	4.0	631835.0	1.159214	Y
3	IC 480-604656/6	2.0	2.509995	4.0	663332.0	1.254997	Y
4	ICIS 480-604656/7	4.0	4.946142	4.0	657931.0	1.236535	Y
5	IC 480-604656/8	8.0	9.342152	4.0	687311.0	1.167769	Y
6	IC 480-604656/9	12.0	13.788097	4.0	669203.0	1.149008	Y
7	IC 480-604656/10	16.0	18.436103	4.0	651268.0	1.152256	Y



Calibration

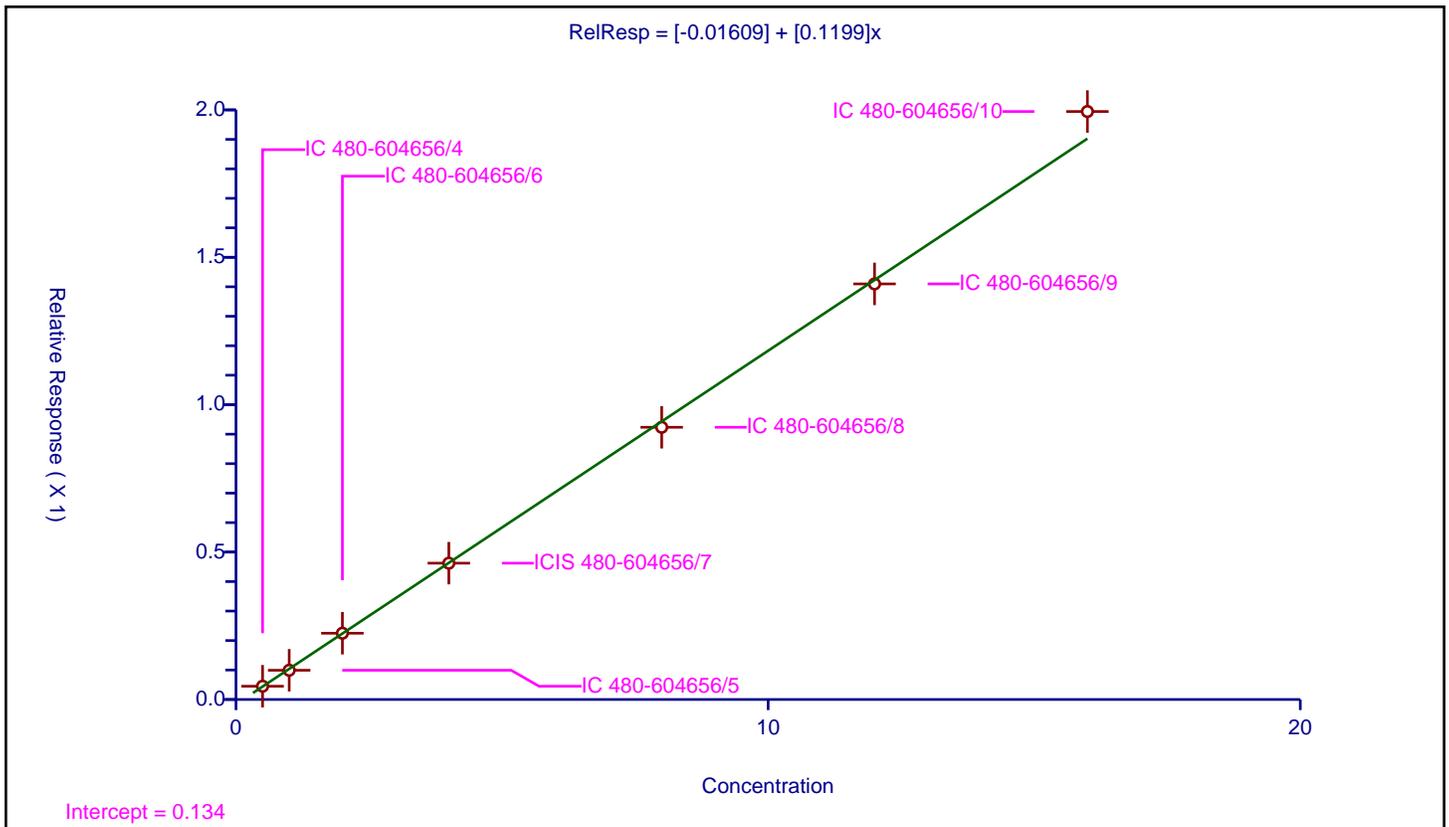
/ 1,3-Dinitrobenzene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.01609
Slope:	0.1199

Error Coefficients	
Standard Error:	323000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.045002	4.0	1074791.0	0.090004	Y
2	IC 480-604656/5	1.0	0.099144	4.0	1082140.0	0.099144	Y
3	IC 480-604656/6	2.0	0.224823	4.0	1115812.0	0.112411	Y
4	ICIS 480-604656/7	4.0	0.462392	4.0	1090979.0	0.115598	Y
5	IC 480-604656/8	8.0	0.923401	4.0	1130841.0	0.115425	Y
6	IC 480-604656/9	12.0	1.409701	4.0	1114103.0	0.117475	Y
7	IC 480-604656/10	16.0	1.994548	4.0	1058020.0	0.124659	Y



Calibration

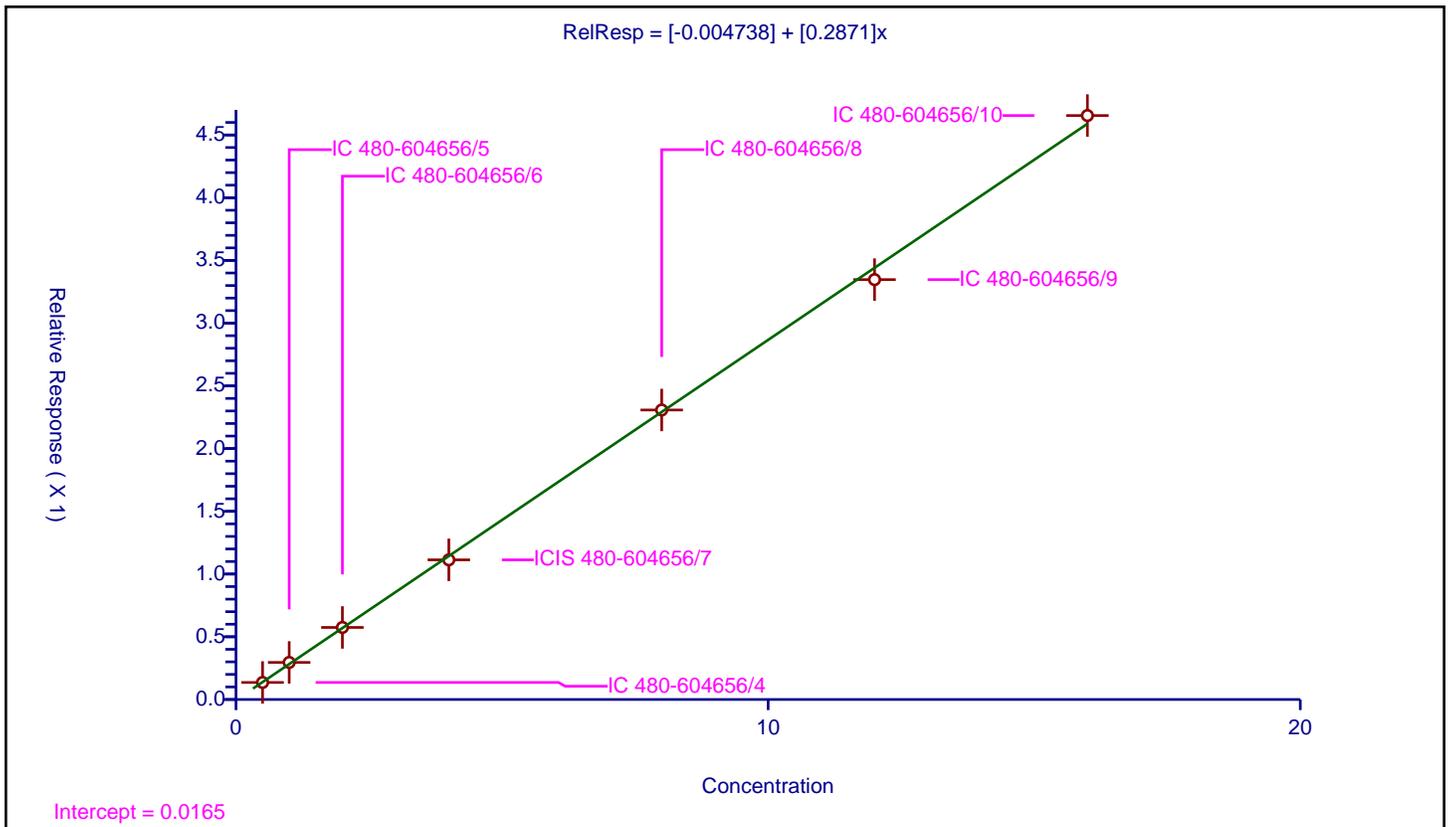
/ 2,6-Dinitrotoluene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.004738
Slope:	0.2871

Error Coefficients	
Standard Error:	467000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.135749	4.0	650435.0	0.271498	Y
2	IC 480-604656/5	1.0	0.295546	4.0	631835.0	0.295546	Y
3	IC 480-604656/6	2.0	0.574313	4.0	663332.0	0.287156	Y
4	ICIS 480-604656/7	4.0	1.11312	4.0	657931.0	0.27828	Y
5	IC 480-604656/8	8.0	2.307695	4.0	687311.0	0.288462	Y
6	IC 480-604656/9	12.0	3.347128	4.0	669203.0	0.278927	Y
7	IC 480-604656/10	16.0	4.655018	4.0	651268.0	0.290939	Y



Calibration

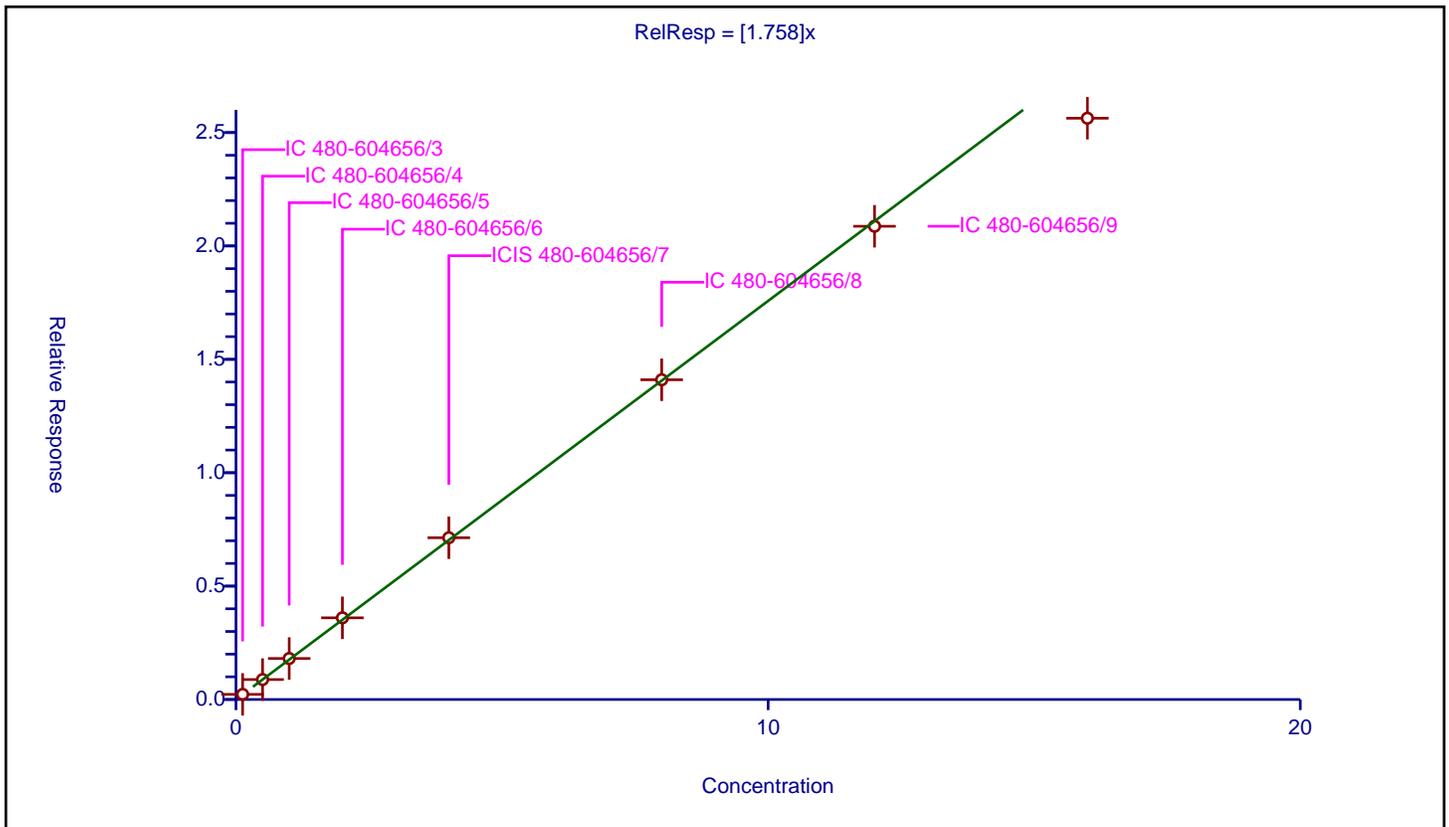
/ Acenaphthylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.758

Error Coefficients	
Standard Error:	2310000
Relative Standard Error:	3.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.22584	4.0	637904.0	1.806717	Y
2	IC 480-604656/4	0.5	0.879817	4.0	650435.0	1.759635	Y
3	IC 480-604656/5	1.0	1.808054	4.0	631835.0	1.808054	Y
4	IC 480-604656/6	2.0	3.601382	4.0	663332.0	1.800691	Y
5	ICIS 480-604656/7	4.0	7.133125	4.0	657931.0	1.783281	Y
6	IC 480-604656/8	8.0	14.098881	4.0	687311.0	1.76236	Y
7	IC 480-604656/9	12.0	20.867808	4.0	669203.0	1.738984	Y
8	IC 480-604656/10	16.0	25.63303	4.0	651268.0	1.602064	Y



Calibration

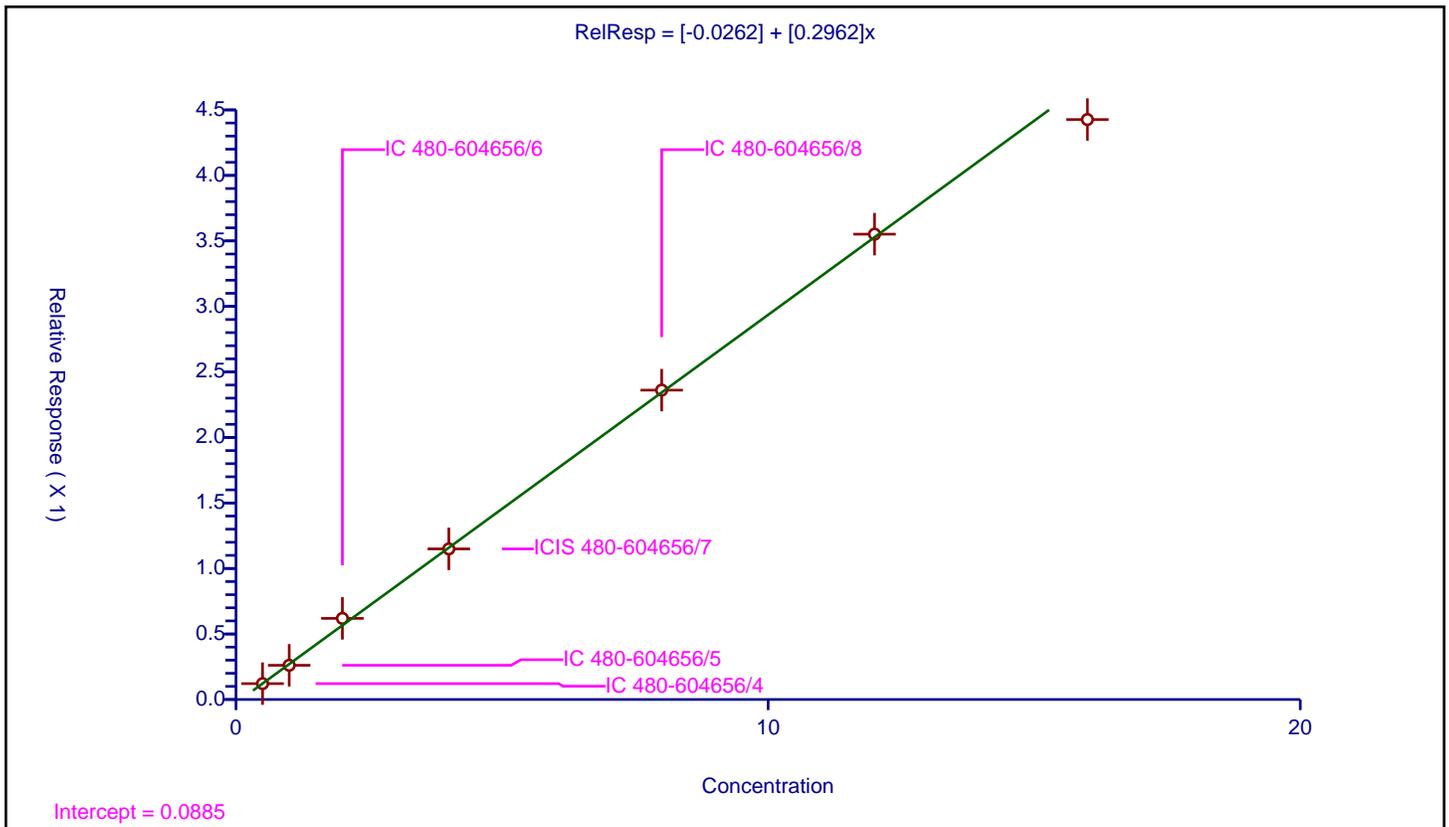
/ 3-Nitroaniline

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.0262
Slope:	0.2962

Error Coefficients	
Standard Error:	466000
Relative Standard Error:	5.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.1211	4.0	650435.0	0.242201	Y
2	IC 480-604656/5	1.0	0.261239	4.0	631835.0	0.261239	Y
3	IC 480-604656/6	2.0	0.619141	4.0	663332.0	0.30957	Y
4	ICIS 480-604656/7	4.0	1.149397	4.0	657931.0	0.287349	Y
5	IC 480-604656/8	8.0	2.361115	4.0	687311.0	0.295139	Y
6	IC 480-604656/9	12.0	3.551419	4.0	669203.0	0.295952	Y
7	IC 480-604656/10	16.0	4.426387	4.0	651268.0	0.276649	Y



Calibration

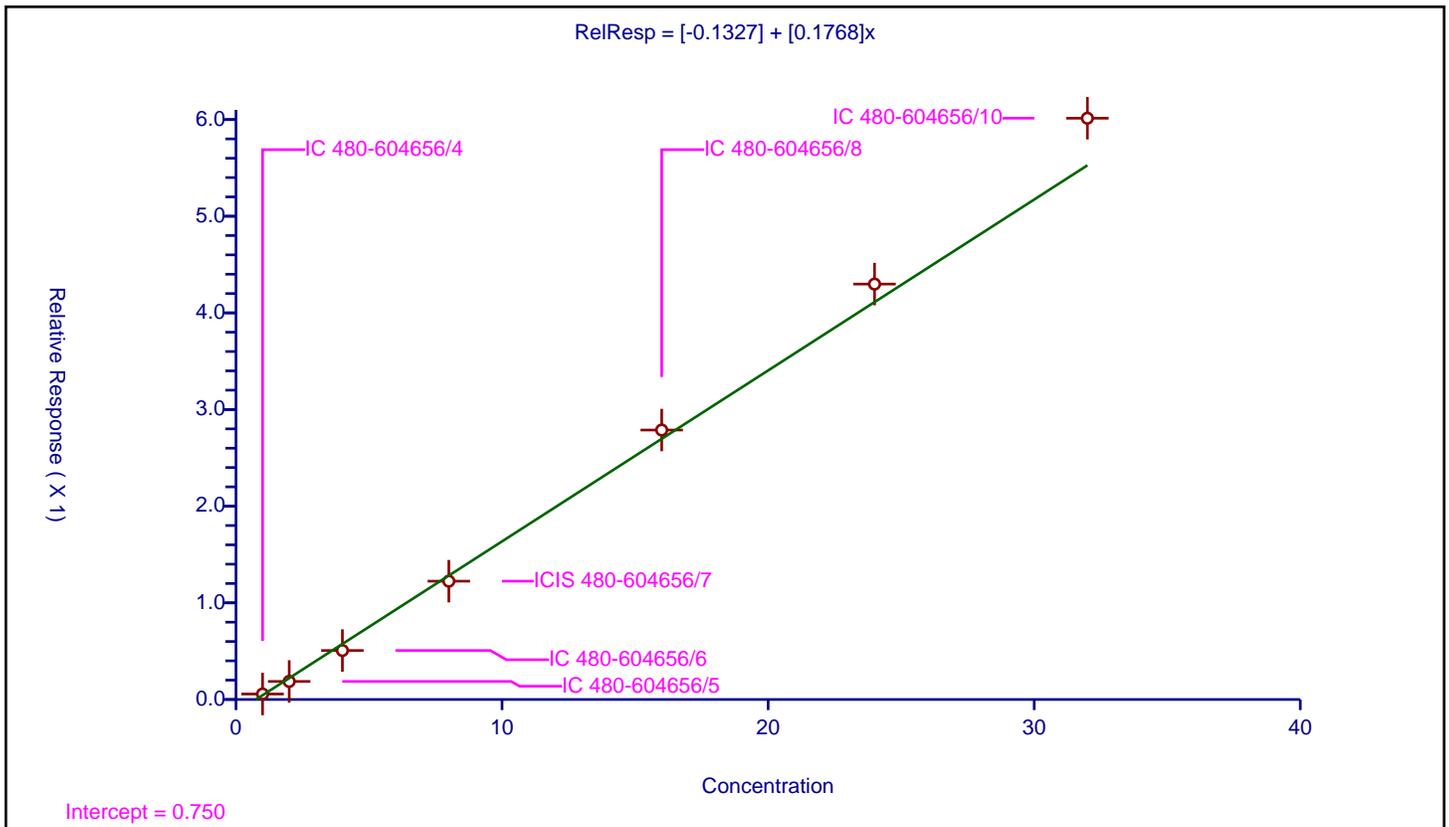
/ 2,4-Dinitrophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.1327
Slope:	0.1768

Error Coefficients	
Standard Error:	592000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.056608	4.0	650435.0	0.056608	Y
2	IC 480-604656/5	2.0	0.187011	4.0	631835.0	0.093505	Y
3	IC 480-604656/6	4.0	0.506793	4.0	663332.0	0.126698	Y
4	ICIS 480-604656/7	8.0	1.22428	4.0	657931.0	0.153035	Y
5	IC 480-604656/8	16.0	2.787745	4.0	687311.0	0.174234	Y
6	IC 480-604656/9	24.0	4.29805	4.0	669203.0	0.179085	Y
7	IC 480-604656/10	32.0	6.013887	4.0	651268.0	0.187934	Y



Calibration

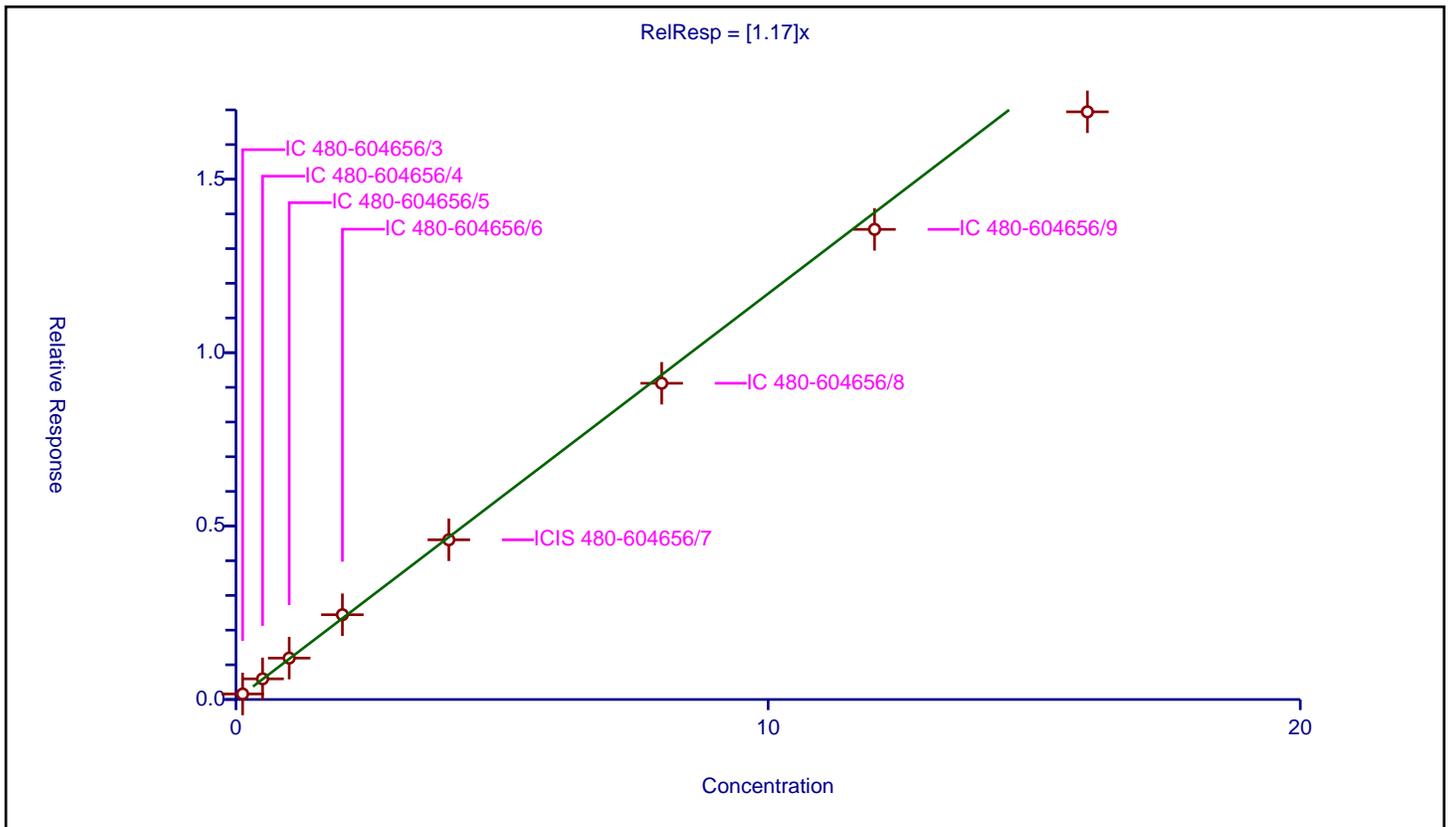
/ Acenaphthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.17

Error Coefficients	
Standard Error:	1510000
Relative Standard Error:	5.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.159347	4.0	637904.0	1.274775	Y
2	IC 480-604656/4	0.5	0.595054	4.0	650435.0	1.190108	Y
3	IC 480-604656/5	1.0	1.193926	4.0	631835.0	1.193926	Y
4	IC 480-604656/6	2.0	2.444652	4.0	663332.0	1.222326	Y
5	ICIS 480-604656/7	4.0	4.604513	4.0	657931.0	1.151128	Y
6	IC 480-604656/8	8.0	9.117881	4.0	687311.0	1.139735	Y
7	IC 480-604656/9	12.0	13.55265	4.0	669203.0	1.129605	Y
8	IC 480-604656/10	16.0	16.944017	4.0	651268.0	1.059001	Y



Calibration

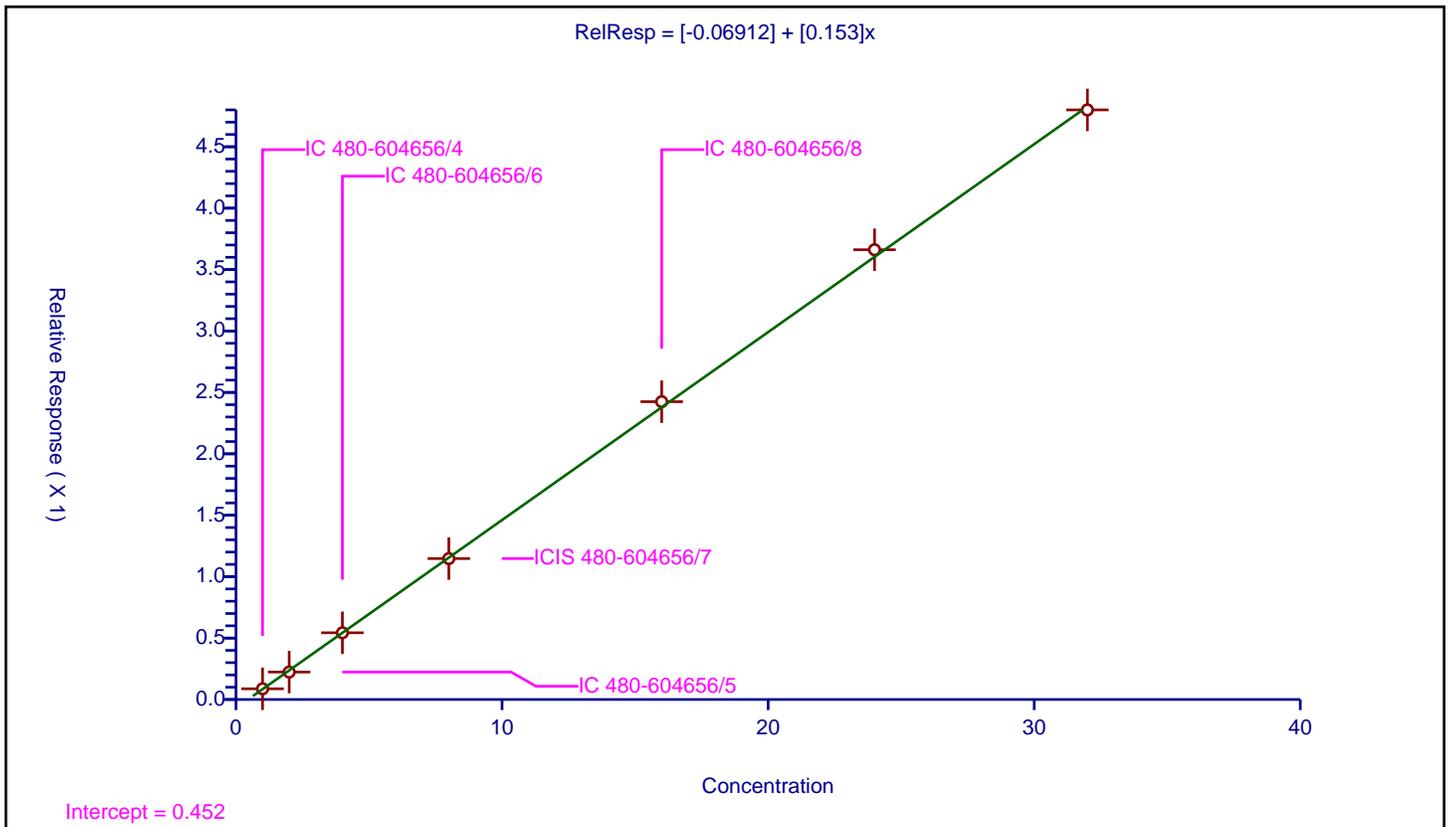
/ 4-Nitrophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.06912
Slope:	0.153

Error Coefficients	
Standard Error:	491000
Relative Standard Error:	2.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.087111	4.0	650435.0	0.087111	Y
2	IC 480-604656/5	2.0	0.223432	4.0	631835.0	0.111716	Y
3	IC 480-604656/6	4.0	0.543155	4.0	663332.0	0.135789	Y
4	ICIS 480-604656/7	8.0	1.147099	4.0	657931.0	0.143387	Y
5	IC 480-604656/8	16.0	2.42444	4.0	687311.0	0.151527	Y
6	IC 480-604656/9	24.0	3.66152	4.0	669203.0	0.152563	Y
7	IC 480-604656/10	32.0	4.799941	4.0	651268.0	0.149998	Y



Calibration

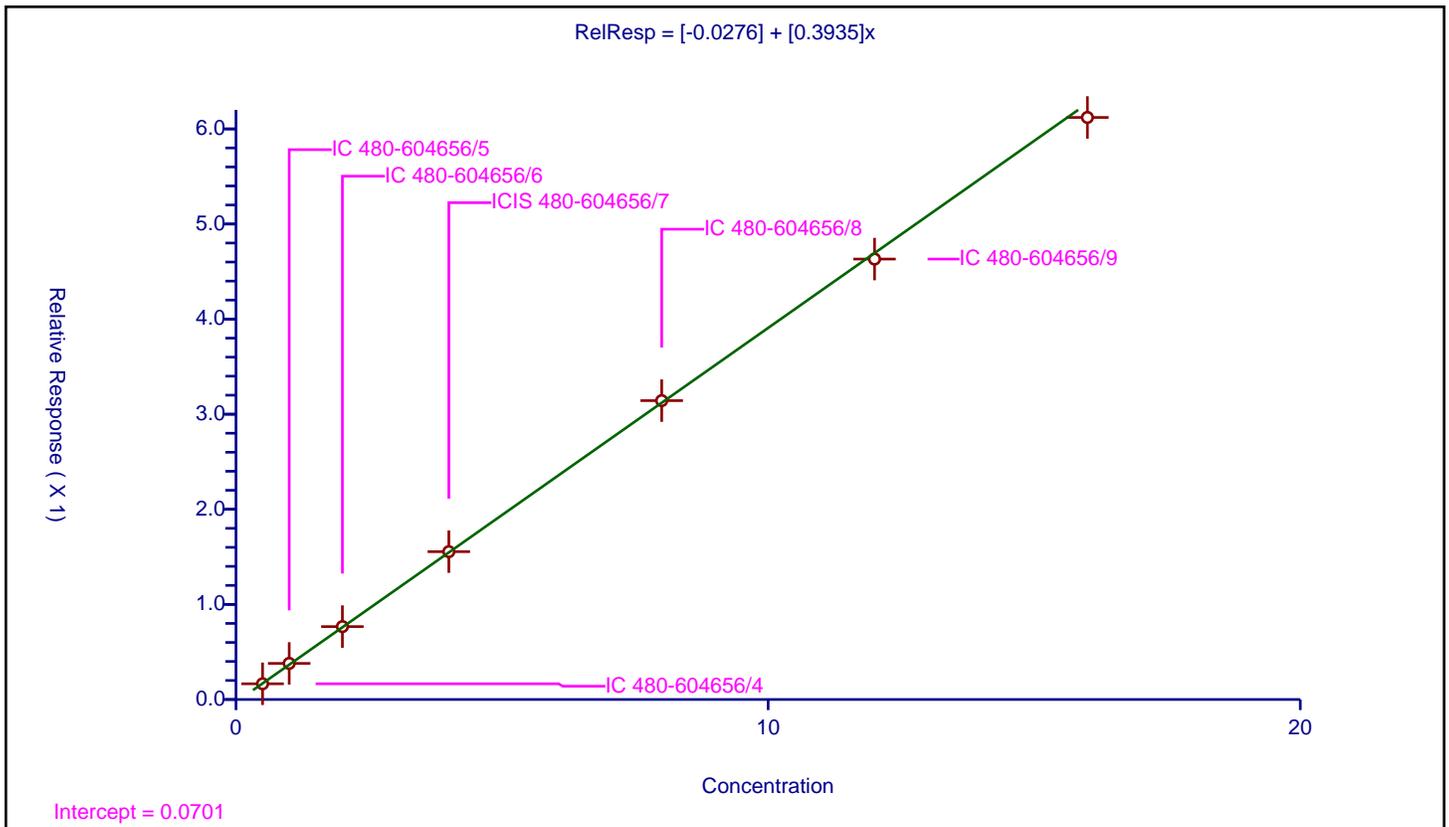
/ 2,4-Dinitrotoluene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.0276
Slope:	0.3935

Error Coefficients	
Standard Error:	628000
Relative Standard Error:	2.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.165305	4.0	650435.0	0.33061	Y
2	IC 480-604656/5	1.0	0.379605	4.0	631835.0	0.379605	Y
3	IC 480-604656/6	2.0	0.766554	4.0	663332.0	0.383277	Y
4	ICIS 480-604656/7	4.0	1.554491	4.0	657931.0	0.388623	Y
5	IC 480-604656/8	8.0	3.142816	4.0	687311.0	0.392852	Y
6	IC 480-604656/9	12.0	4.631336	4.0	669203.0	0.385945	Y
7	IC 480-604656/10	16.0	6.120405	4.0	651268.0	0.382525	Y



Calibration

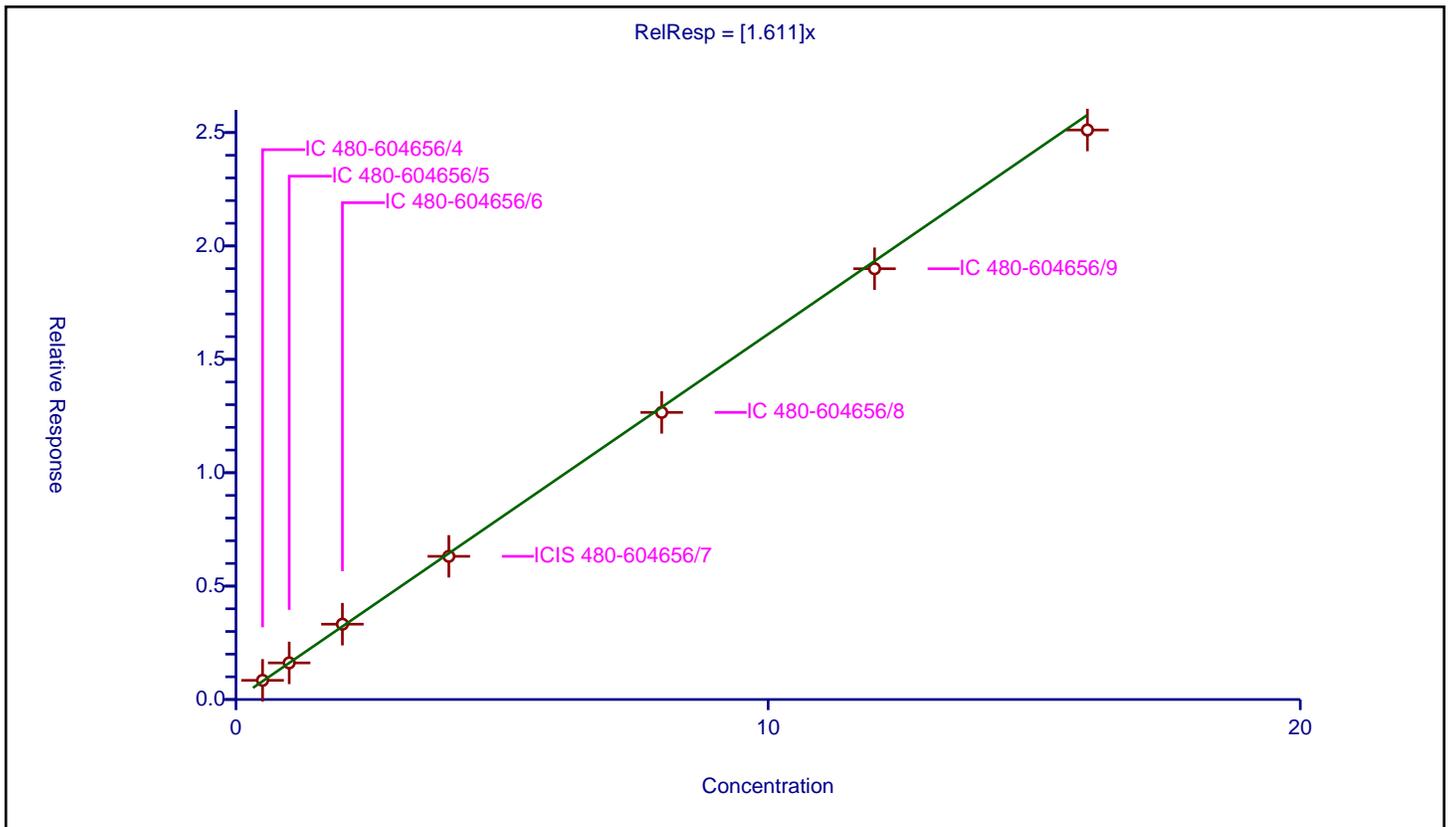
/ Dibenzofuran

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.611

Error Coefficients	
Standard Error:	2350000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.844672	4.0	650435.0	1.689343	Y
2	IC 480-604656/5	1.0	1.614327	4.0	631835.0	1.614327	Y
3	IC 480-604656/6	2.0	3.32116	4.0	663332.0	1.66058	Y
4	ICIS 480-604656/7	4.0	6.313598	4.0	657931.0	1.5784	Y
5	IC 480-604656/8	8.0	12.659527	4.0	687311.0	1.582441	Y
6	IC 480-604656/9	12.0	18.995701	4.0	669203.0	1.582975	Y
7	IC 480-604656/10	16.0	25.114177	4.0	651268.0	1.569636	Y



Calibration

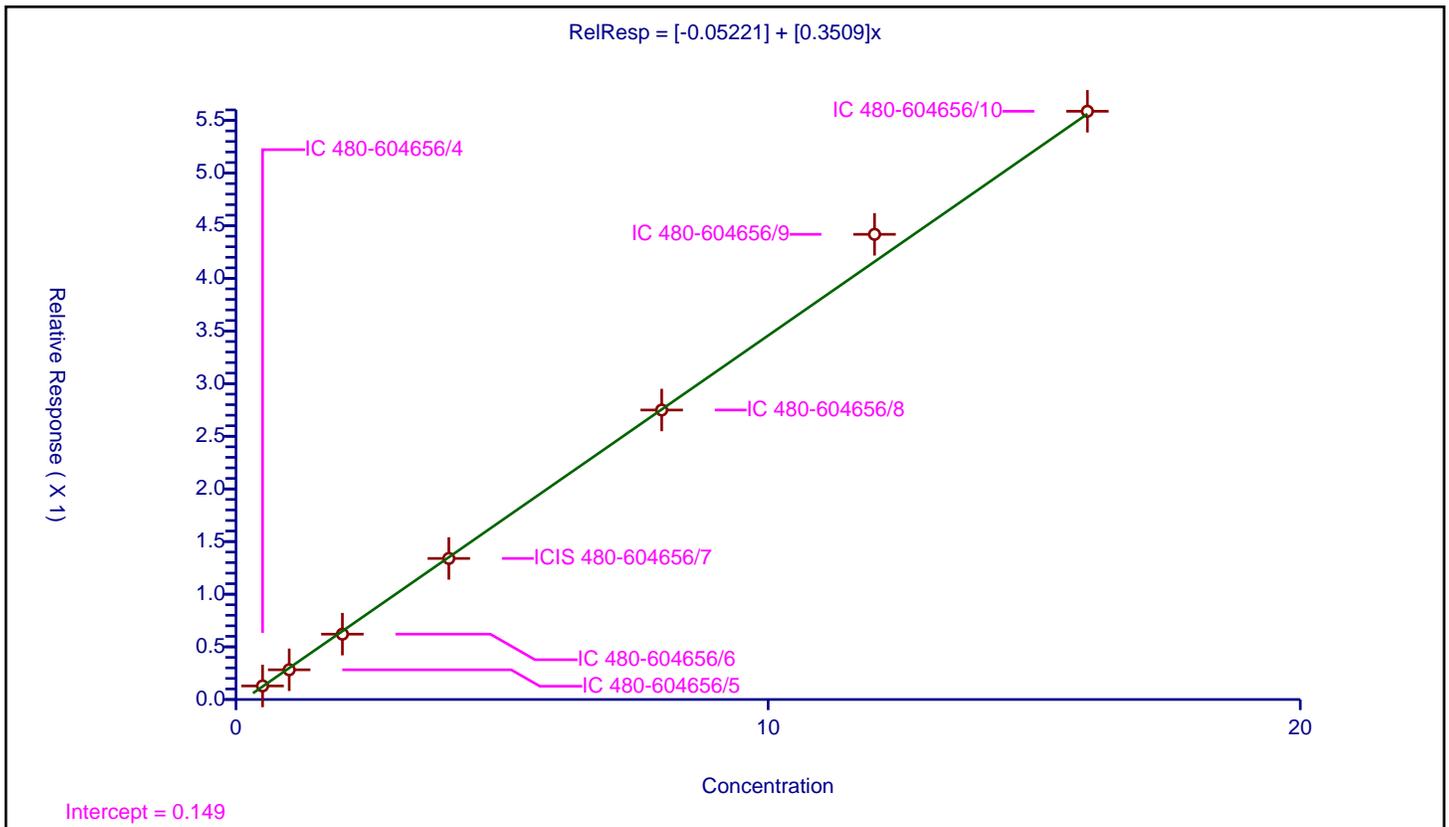
/ 2,3,4,6-Tetrachlorophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.05221
Slope:	0.3509

Error Coefficients	
Standard Error:	576000
Relative Standard Error:	4.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.128898	4.0	650435.0	0.257797	Y
2	IC 480-604656/5	1.0	0.28215	4.0	631835.0	0.28215	Y
3	IC 480-604656/6	2.0	0.620739	4.0	663332.0	0.310369	Y
4	ICIS 480-604656/7	4.0	1.339672	4.0	657931.0	0.334918	Y
5	IC 480-604656/8	8.0	2.749533	4.0	687311.0	0.343692	Y
6	IC 480-604656/9	12.0	4.418235	4.0	669203.0	0.368186	Y
7	IC 480-604656/10	16.0	5.586953	4.0	651268.0	0.349185	Y



Calibration

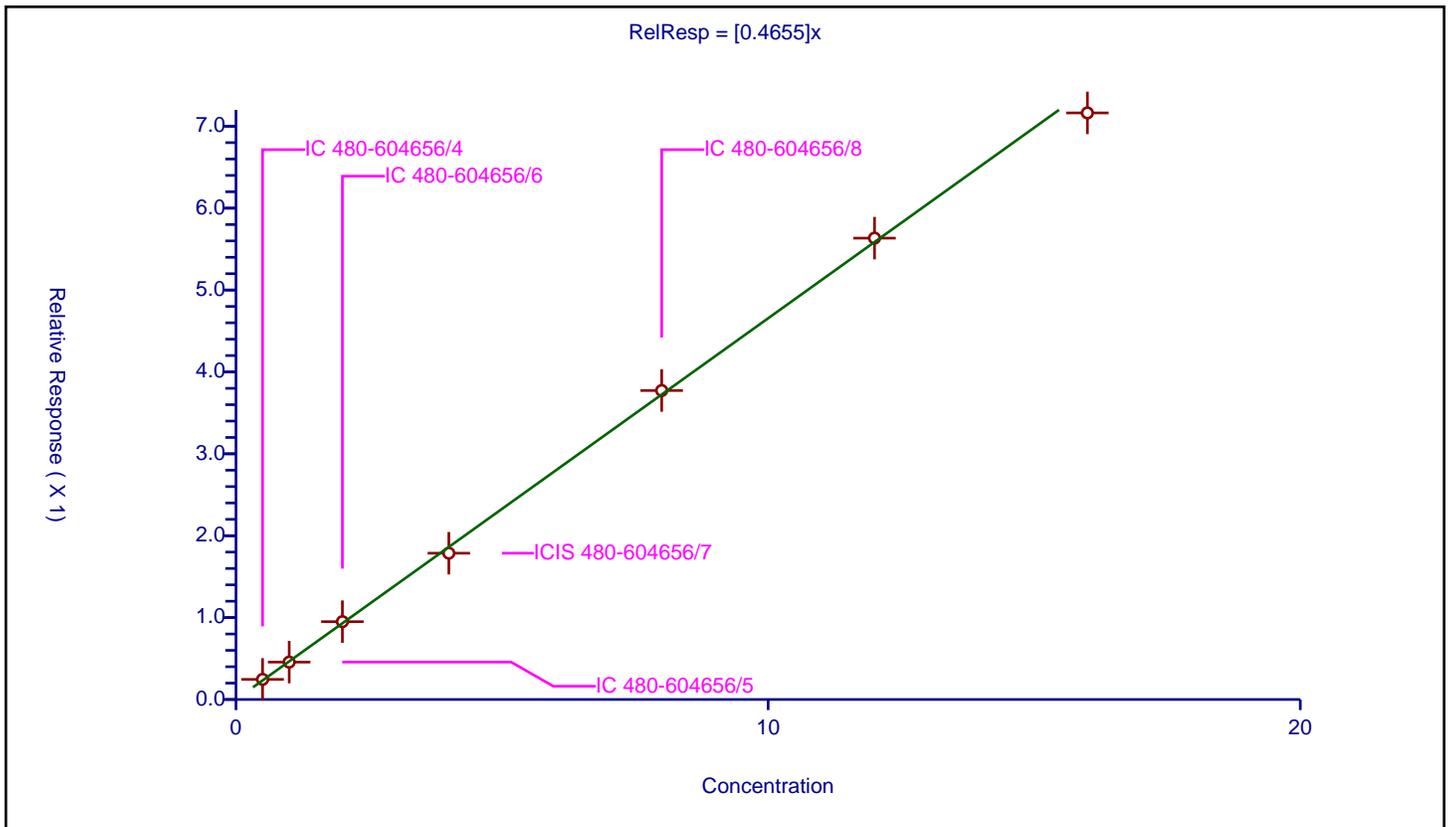
/ Hexadecane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4655

Error Coefficients	
Standard Error:	682000
Relative Standard Error:	3.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.245608	4.0	650435.0	0.491216	Y
2	IC 480-604656/5	1.0	0.456847	4.0	631835.0	0.456847	Y
3	IC 480-604656/6	2.0	0.950354	4.0	663332.0	0.475177	Y
4	ICIS 480-604656/7	4.0	1.786649	4.0	657931.0	0.446662	Y
5	IC 480-604656/8	8.0	3.772959	4.0	687311.0	0.47162	Y
6	IC 480-604656/9	12.0	5.633908	4.0	669203.0	0.469492	Y
7	IC 480-604656/10	16.0	7.16295	4.0	651268.0	0.447684	Y



Calibration

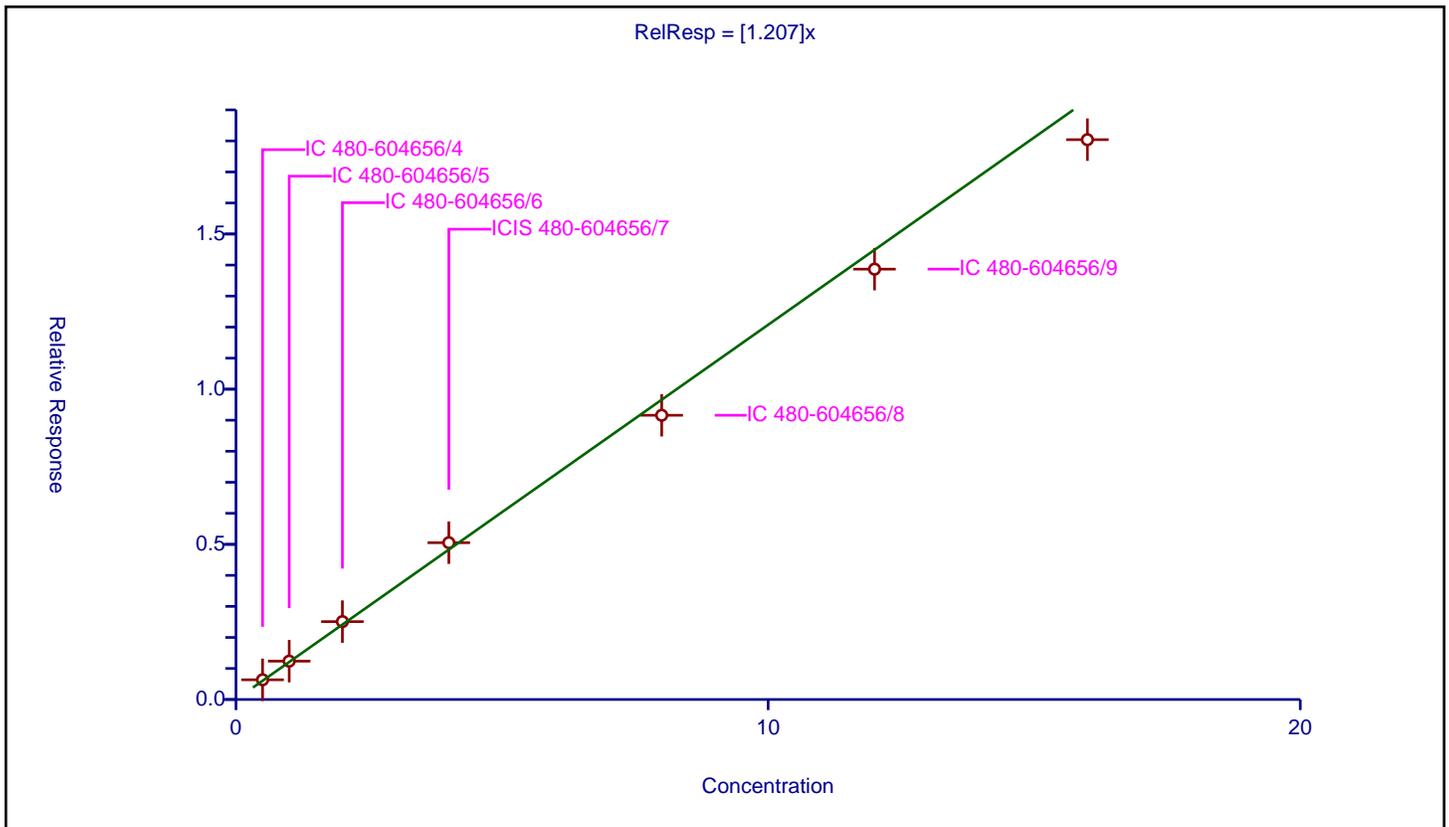
/ Diethyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.207

Error Coefficients	
Standard Error:	1700000
Relative Standard Error:	5.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.634867	4.0	650435.0	1.269735	Y
2	IC 480-604656/5	1.0	1.236158	4.0	631835.0	1.236158	Y
3	IC 480-604656/6	2.0	2.509929	4.0	663332.0	1.254964	Y
4	ICIS 480-604656/7	4.0	5.053095	4.0	657931.0	1.263274	Y
5	IC 480-604656/8	8.0	9.159417	4.0	687311.0	1.144927	Y
6	IC 480-604656/9	12.0	13.868186	4.0	669203.0	1.155682	Y
7	IC 480-604656/10	16.0	18.040094	4.0	651268.0	1.127506	Y



Calibration

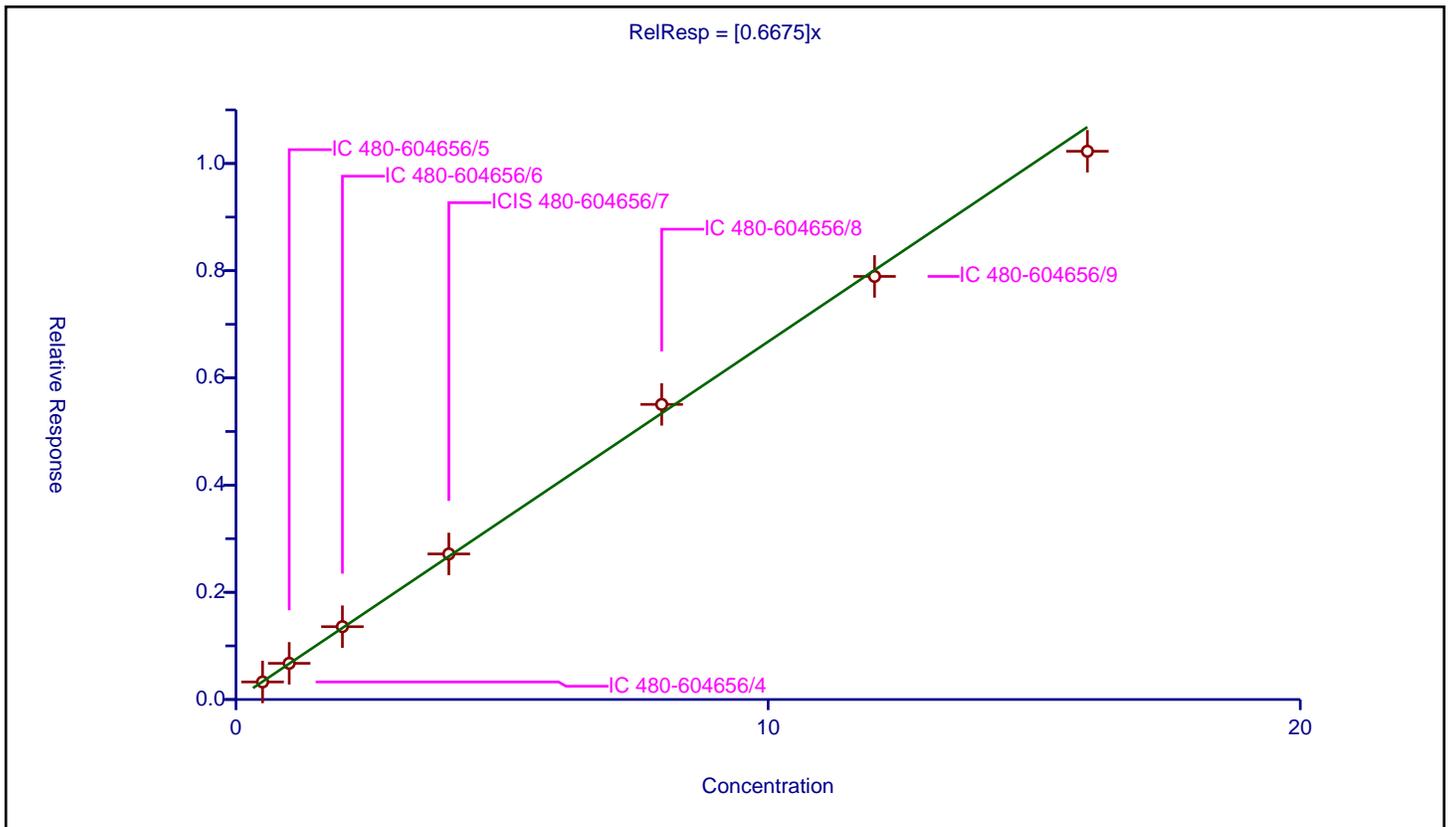
/ 4-Chlorophenyl phenyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6675

Error Coefficients	
Standard Error:	973000
Relative Standard Error:	2.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.327252	4.0	650435.0	0.654504	Y
2	IC 480-604656/5	1.0	0.674758	4.0	631835.0	0.674758	Y
3	IC 480-604656/6	2.0	1.358807	4.0	663332.0	0.679403	Y
4	ICIS 480-604656/7	4.0	2.715574	4.0	657931.0	0.678893	Y
5	IC 480-604656/8	8.0	5.505327	4.0	687311.0	0.688166	Y
6	IC 480-604656/9	12.0	7.893605	4.0	669203.0	0.6578	Y
7	IC 480-604656/10	16.0	10.228312	4.0	651268.0	0.639269	Y



Calibration

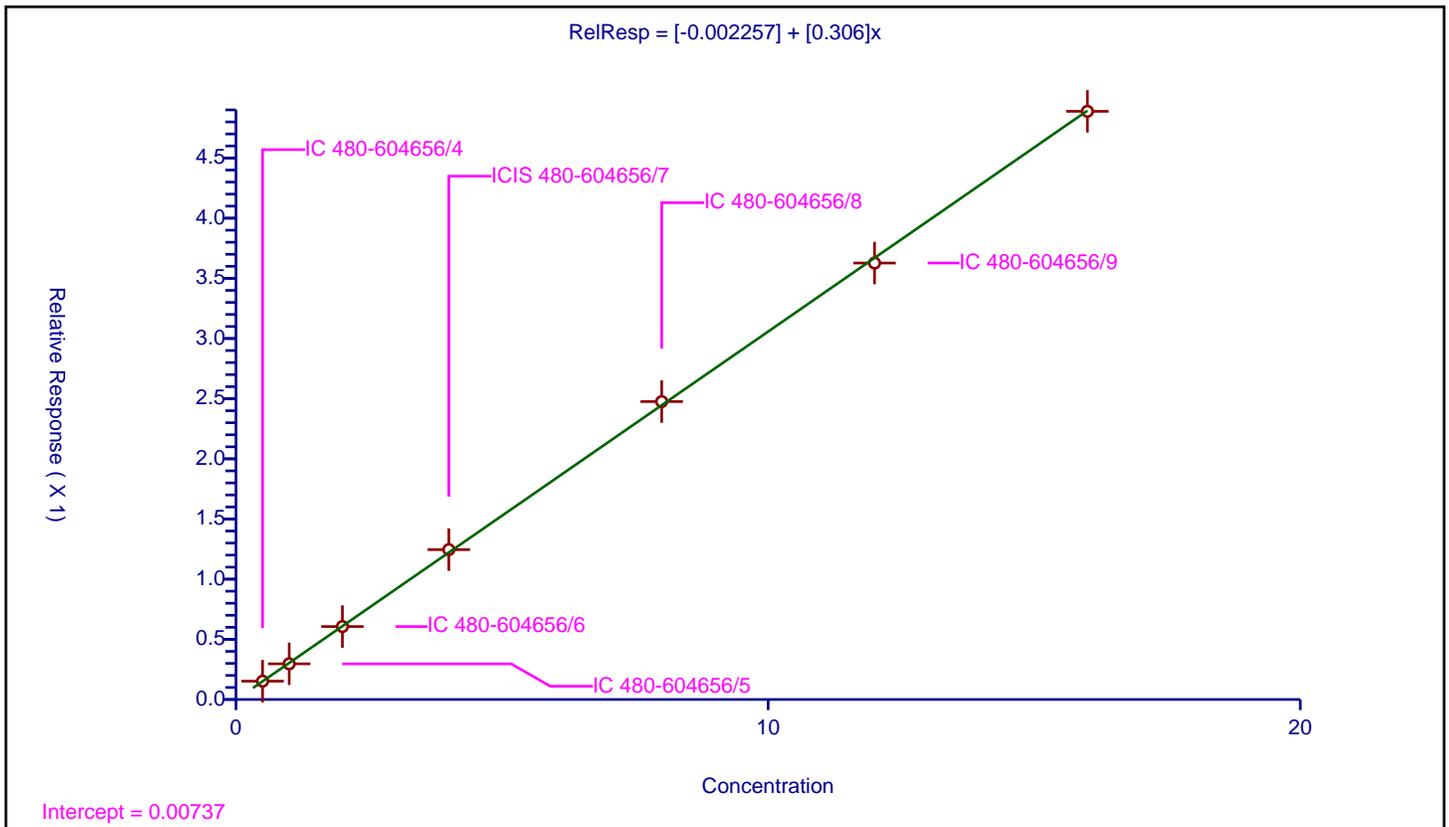
/ 4-Nitroaniline

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.002257
Slope:	0.306

Error Coefficients	
Standard Error:	497000
Relative Standard Error:	1.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.152378	4.0	650435.0	0.304756	Y
2	IC 480-604656/5	1.0	0.296432	4.0	631835.0	0.296432	Y
3	IC 480-604656/6	2.0	0.606273	4.0	663332.0	0.303136	Y
4	ICIS 480-604656/7	4.0	1.245371	4.0	657931.0	0.311343	Y
5	IC 480-604656/8	8.0	2.475729	4.0	687311.0	0.309466	Y
6	IC 480-604656/9	12.0	3.62718	4.0	669203.0	0.302265	Y
7	IC 480-604656/10	16.0	4.888095	4.0	651268.0	0.305506	Y



Calibration

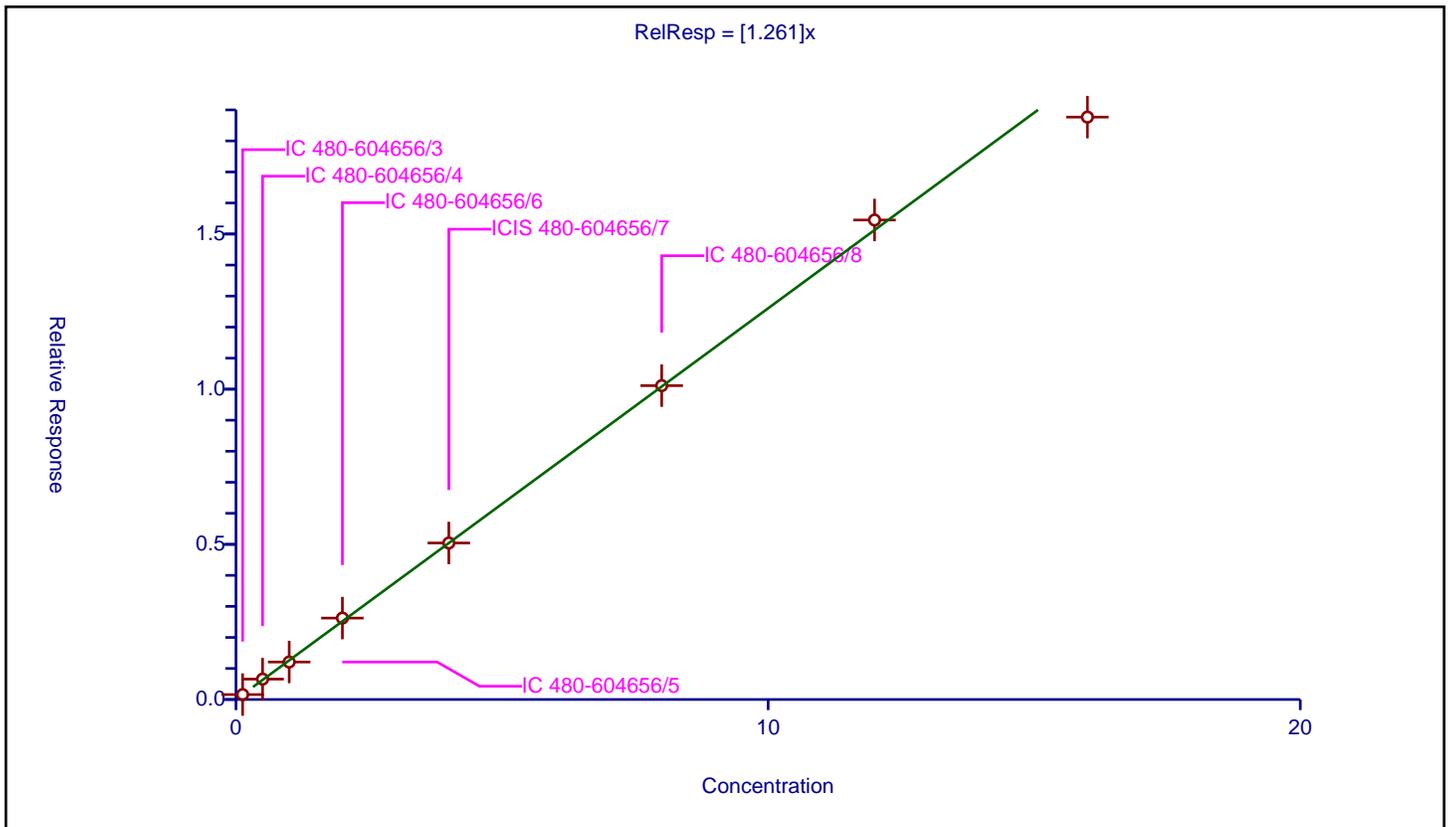
/ Fluorene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.261

Error Coefficients	
Standard Error:	1690000
Relative Standard Error:	3.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.158206	4.0	637904.0	1.265645	Y
2	IC 480-604656/4	0.5	0.65705	4.0	650435.0	1.314099	Y
3	IC 480-604656/5	1.0	1.208138	4.0	631835.0	1.208138	Y
4	IC 480-604656/6	2.0	2.623615	4.0	663332.0	1.311808	Y
5	ICIS 480-604656/7	4.0	5.04321	4.0	657931.0	1.260802	Y
6	IC 480-604656/8	8.0	10.113297	4.0	687311.0	1.264162	Y
7	IC 480-604656/9	12.0	15.451509	4.0	669203.0	1.287626	Y
8	IC 480-604656/10	16.0	18.767745	4.0	651268.0	1.172984	Y



Calibration

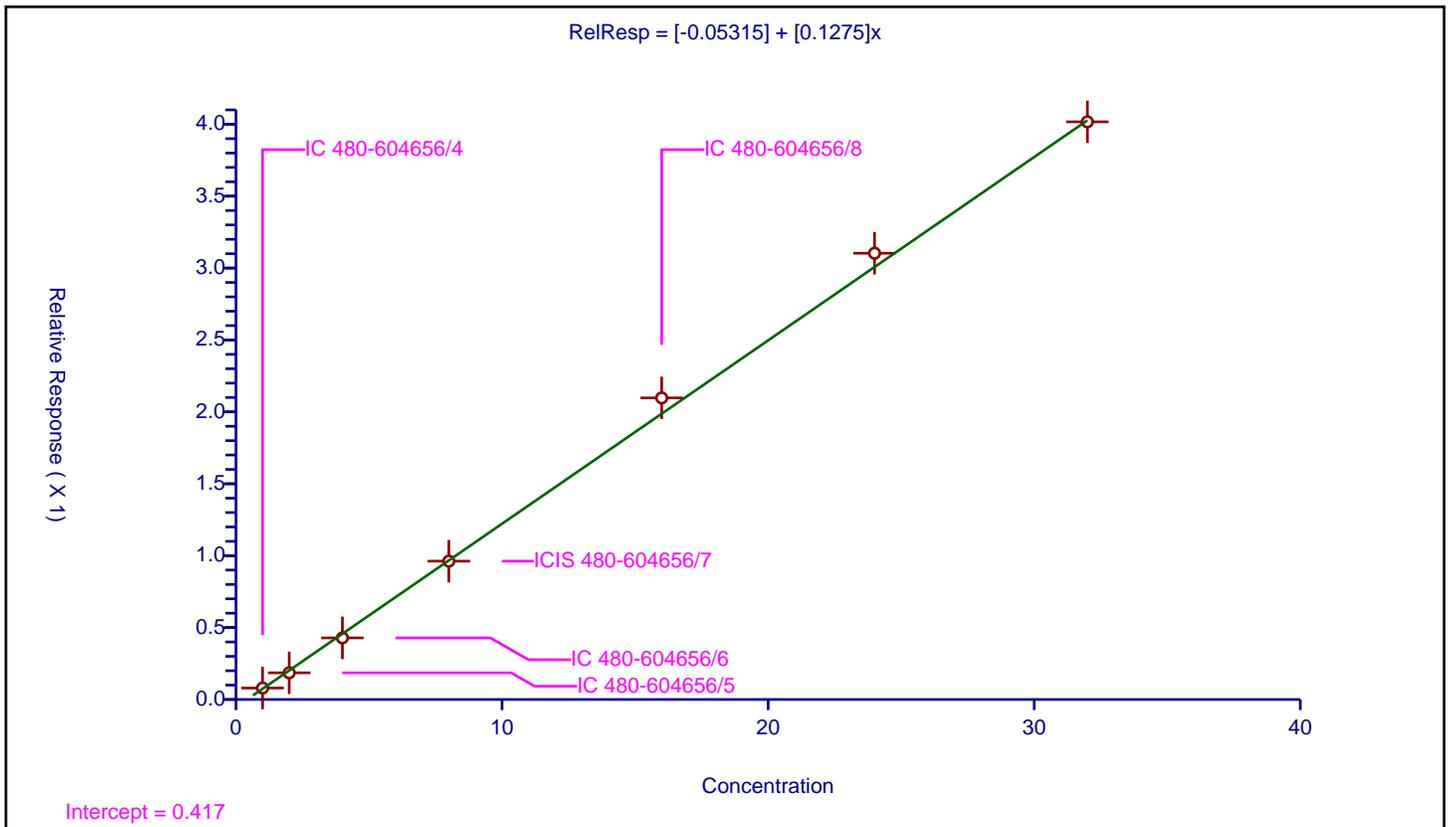
/ 4,6-Dinitro-2-methylphenol

Curve Type: Linear
Weighting: Conc_Sq
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	-0.05315
Slope:	0.1275

Error Coefficients	
Standard Error:	760000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.079708	4.0	1168112.0	0.079708	Y
2	IC 480-604656/5	2.0	0.185587	4.0	1144410.0	0.092794	Y
3	IC 480-604656/6	4.0	0.428446	4.0	1220551.0	0.107111	Y
4	ICIS 480-604656/7	8.0	0.961984	4.0	1195275.0	0.120248	Y
5	IC 480-604656/8	16.0	2.097043	4.0	1235105.0	0.131065	Y
6	IC 480-604656/9	24.0	3.103303	4.0	1232229.0	0.129304	Y
7	IC 480-604656/10	32.0	4.016959	4.0	1200519.0	0.12553	Y



Calibration

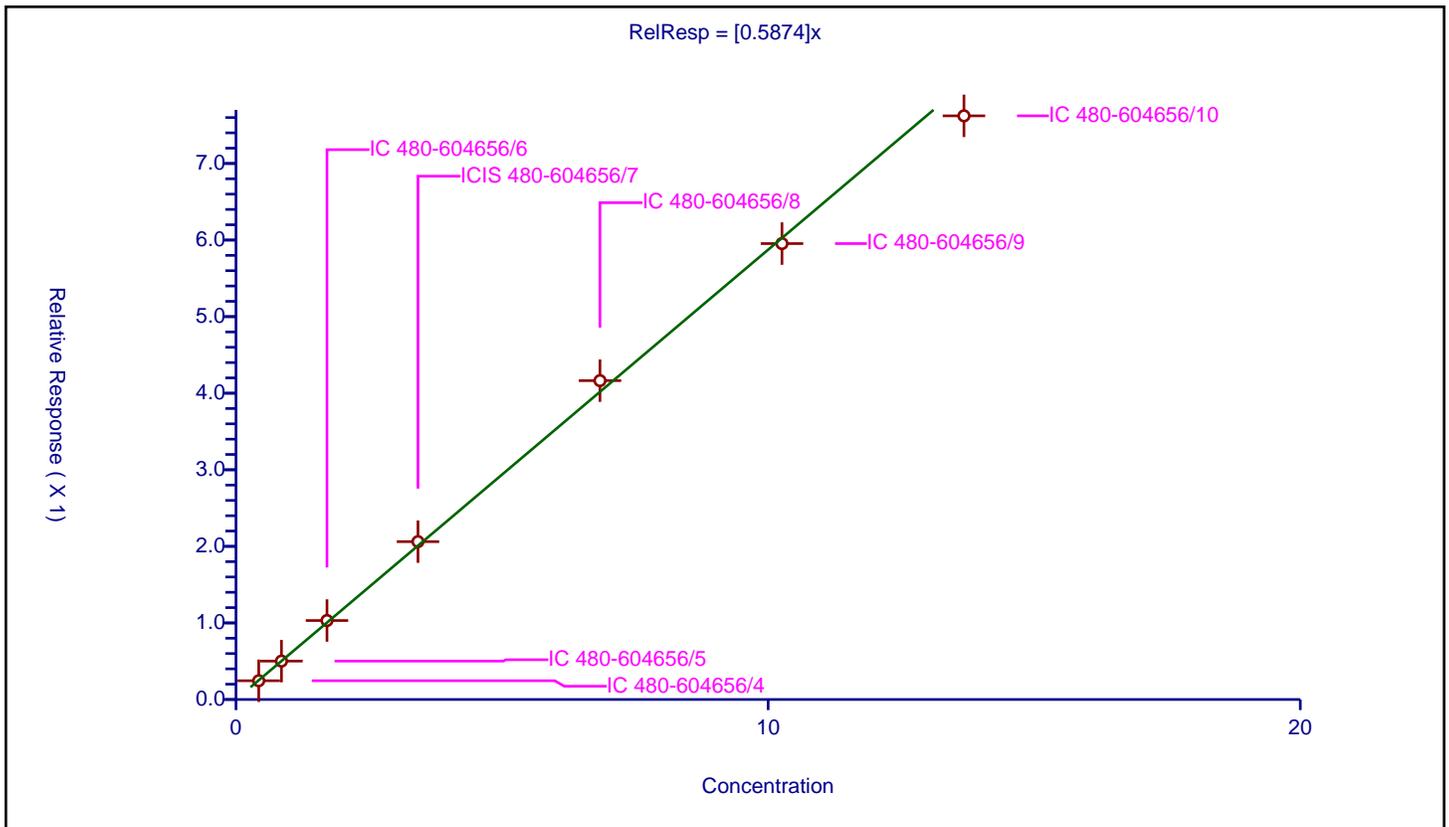
/ Diphenylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5874

Error Coefficients	
Standard Error:	1340000
Relative Standard Error:	3.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.4275	0.245	4.0	1168112.0	0.573101	Y
2	IC 480-604656/5	0.855	0.501548	4.0	1144410.0	0.586605	Y
3	IC 480-604656/6	1.71	1.031249	4.0	1220551.0	0.60307	Y
4	ICIS 480-604656/7	3.42	2.061695	4.0	1195275.0	0.602835	Y
5	IC 480-604656/8	6.84	4.164177	4.0	1235105.0	0.608798	Y
6	IC 480-604656/9	10.26	5.954098	4.0	1232229.0	0.580321	Y
7	IC 480-604656/10	13.68	7.622347	4.0	1200519.0	0.557189	Y



Calibration

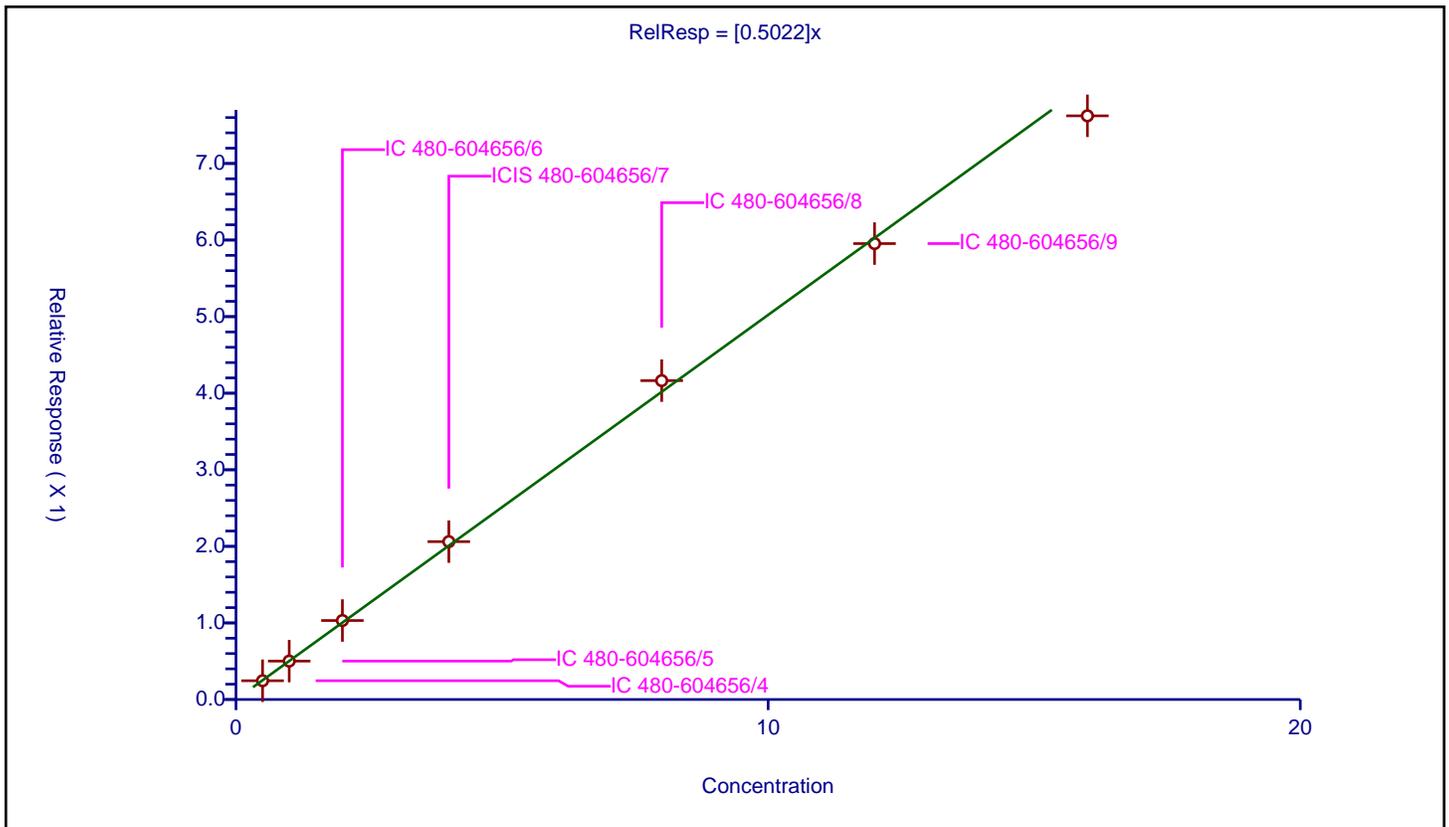
/ N-Nitrosodiphenylamine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5022

Error Coefficients	
Standard Error:	1340000
Relative Standard Error:	3.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.245	4.0	1168112.0	0.490001	Y
2	IC 480-604656/5	1.0	0.501548	4.0	1144410.0	0.501548	Y
3	IC 480-604656/6	2.0	1.031249	4.0	1220551.0	0.515625	Y
4	ICIS 480-604656/7	4.0	2.061695	4.0	1195275.0	0.515424	Y
5	IC 480-604656/8	8.0	4.164177	4.0	1235105.0	0.520522	Y
6	IC 480-604656/9	12.0	5.954098	4.0	1232229.0	0.496175	Y
7	IC 480-604656/10	16.0	7.622347	4.0	1200519.0	0.476397	Y



Calibration

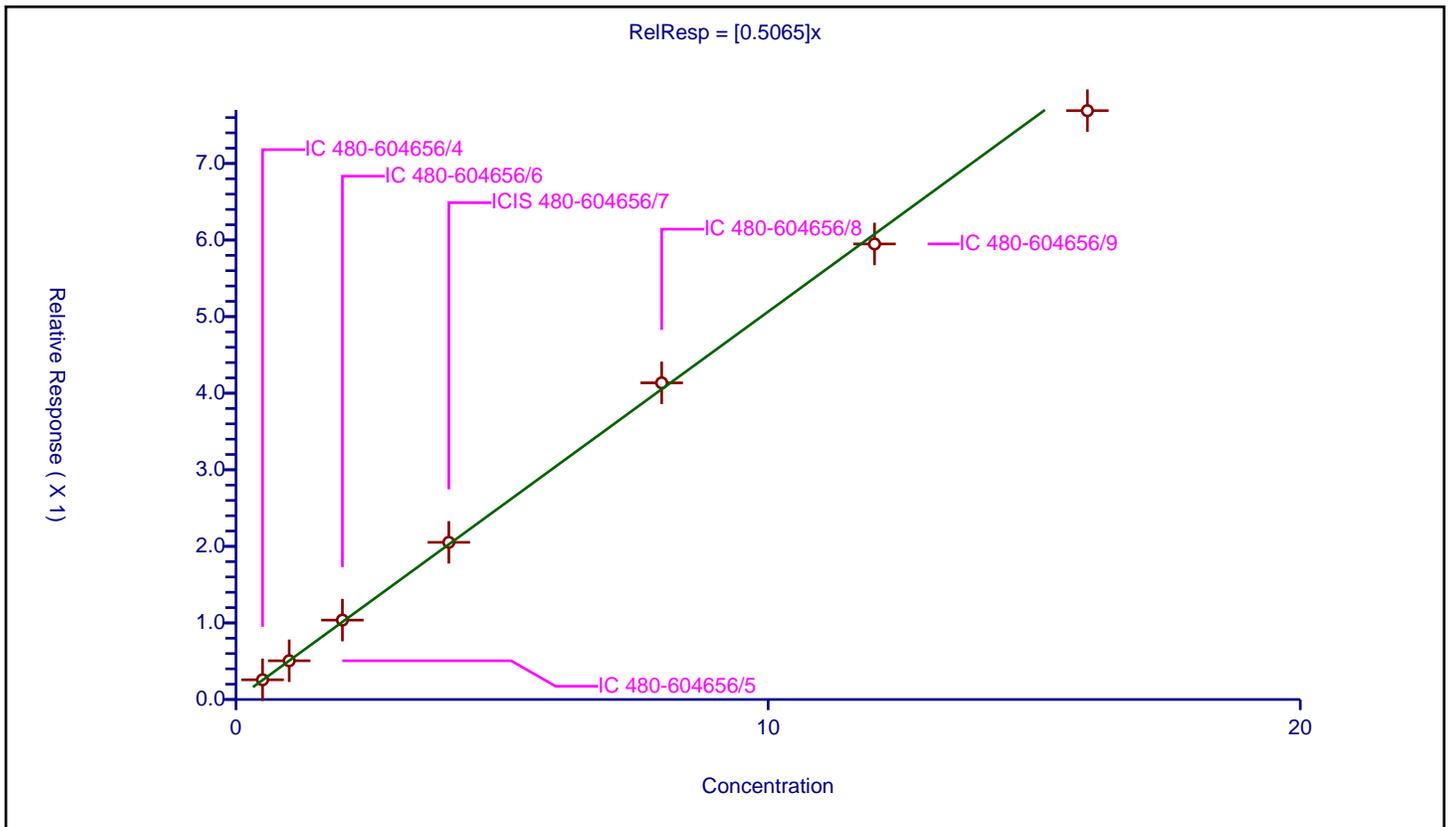
/ 1,2-Diphenylhydrazine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5065

Error Coefficients	
Standard Error:	1340000
Relative Standard Error:	2.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.257349	4.0	1168112.0	0.514697	Y
2	IC 480-604656/5	1.0	0.505871	4.0	1144410.0	0.505871	Y
3	IC 480-604656/6	2.0	1.037033	4.0	1220551.0	0.518517	Y
4	ICIS 480-604656/7	4.0	2.052401	4.0	1195275.0	0.5131	Y
5	IC 480-604656/8	8.0	4.13535	4.0	1235105.0	0.516919	Y
6	IC 480-604656/9	12.0	5.949115	4.0	1232229.0	0.49576	Y
7	IC 480-604656/10	16.0	7.689804	4.0	1200519.0	0.480613	Y



Calibration

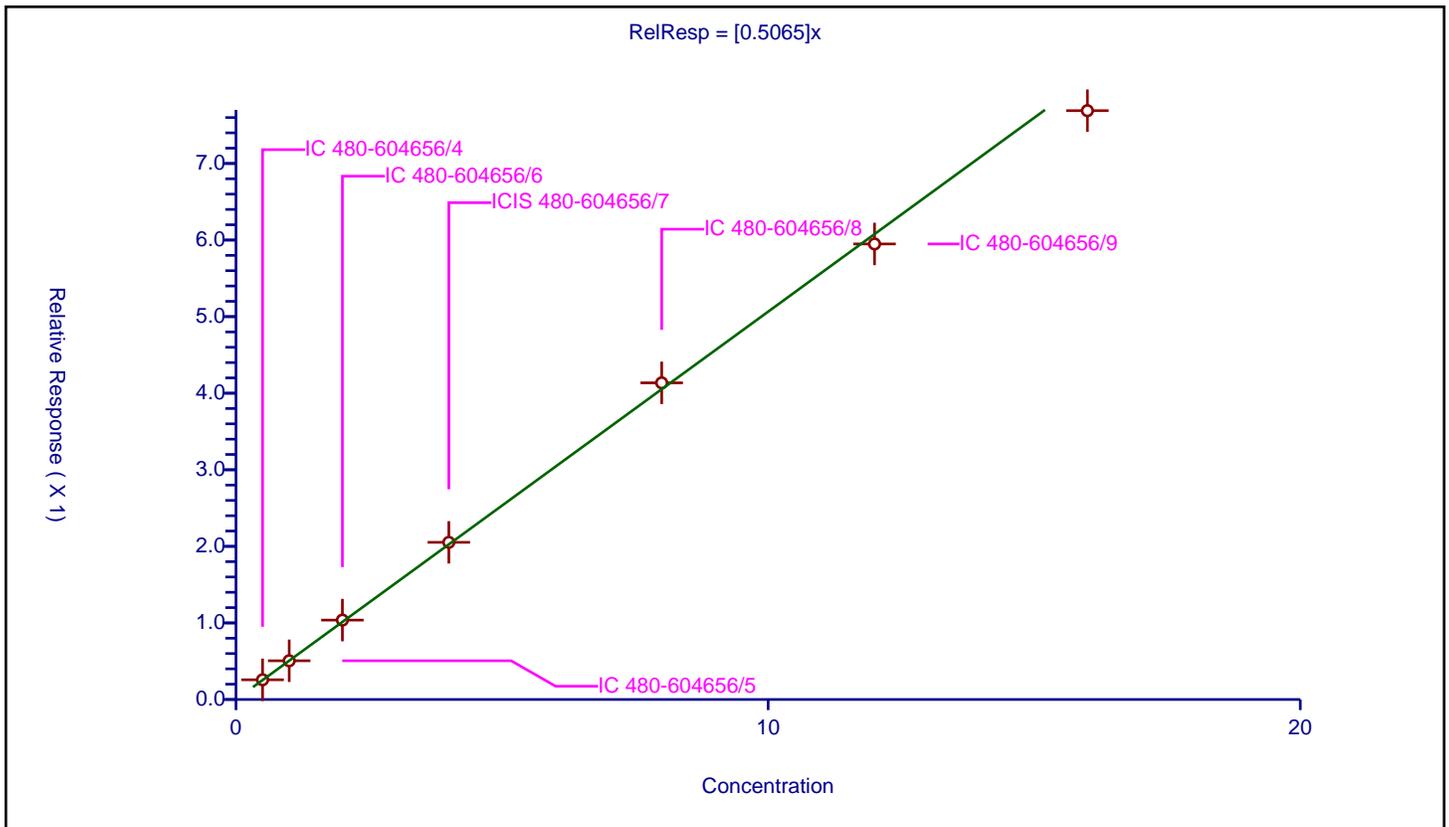
/ Azobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5065

Error Coefficients	
Standard Error:	1340000
Relative Standard Error:	2.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.257349	4.0	1168112.0	0.514697	Y
2	IC 480-604656/5	1.0	0.505871	4.0	1144410.0	0.505871	Y
3	IC 480-604656/6	2.0	1.037033	4.0	1220551.0	0.518517	Y
4	ICIS 480-604656/7	4.0	2.052401	4.0	1195275.0	0.5131	Y
5	IC 480-604656/8	8.0	4.13535	4.0	1235105.0	0.516919	Y
6	IC 480-604656/9	12.0	5.949115	4.0	1232229.0	0.49576	Y
7	IC 480-604656/10	16.0	7.689804	4.0	1200519.0	0.480613	Y



Calibration

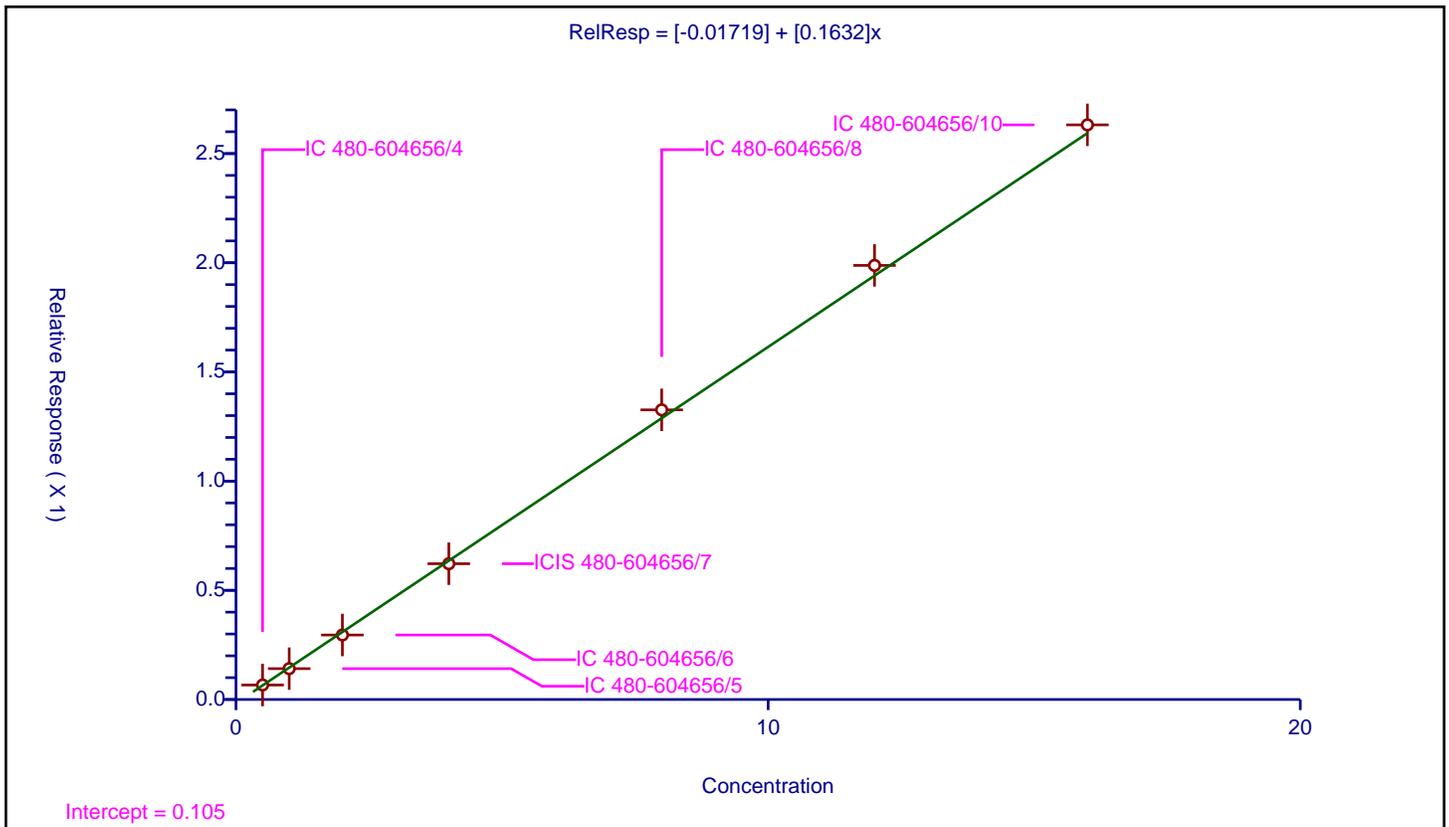
/ 2,4,6-Tribromophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.01719
Slope:	0.1632

Error Coefficients	
Standard Error:	492000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.066381	4.0	1168112.0	0.132761	Y
2	IC 480-604656/5	1.0	0.141282	4.0	1144410.0	0.141282	Y
3	IC 480-604656/6	2.0	0.295398	4.0	1220551.0	0.147699	Y
4	ICIS 480-604656/7	4.0	0.621721	4.0	1195275.0	0.15543	Y
5	IC 480-604656/8	8.0	1.326342	4.0	1235105.0	0.165793	Y
6	IC 480-604656/9	12.0	1.987812	4.0	1232229.0	0.165651	Y
7	IC 480-604656/10	16.0	2.631429	4.0	1200519.0	0.164464	Y



Calibration

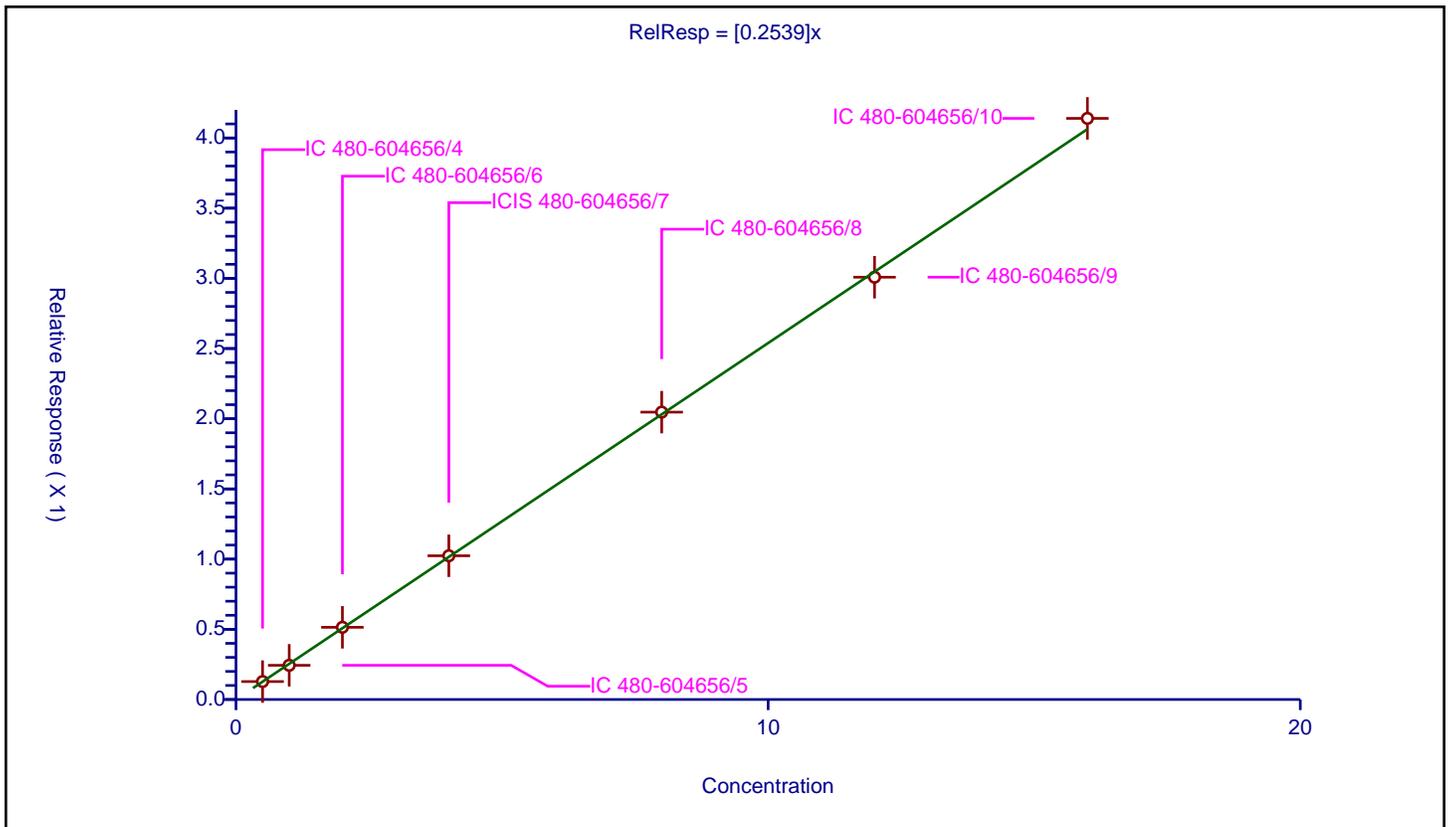
/ 4-Bromophenyl phenyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2539

Error Coefficients	
Standard Error:	698000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.127693	4.0	1168112.0	0.255386	Y
2	IC 480-604656/5	1.0	0.243605	4.0	1144410.0	0.243605	Y
3	IC 480-604656/6	2.0	0.514282	4.0	1220551.0	0.257141	Y
4	ICIS 480-604656/7	4.0	1.023882	4.0	1195275.0	0.25597	Y
5	IC 480-604656/8	8.0	2.047052	4.0	1235105.0	0.255881	Y
6	IC 480-604656/9	12.0	3.008266	4.0	1232229.0	0.250689	Y
7	IC 480-604656/10	16.0	4.139636	4.0	1200519.0	0.258727	Y



Calibration

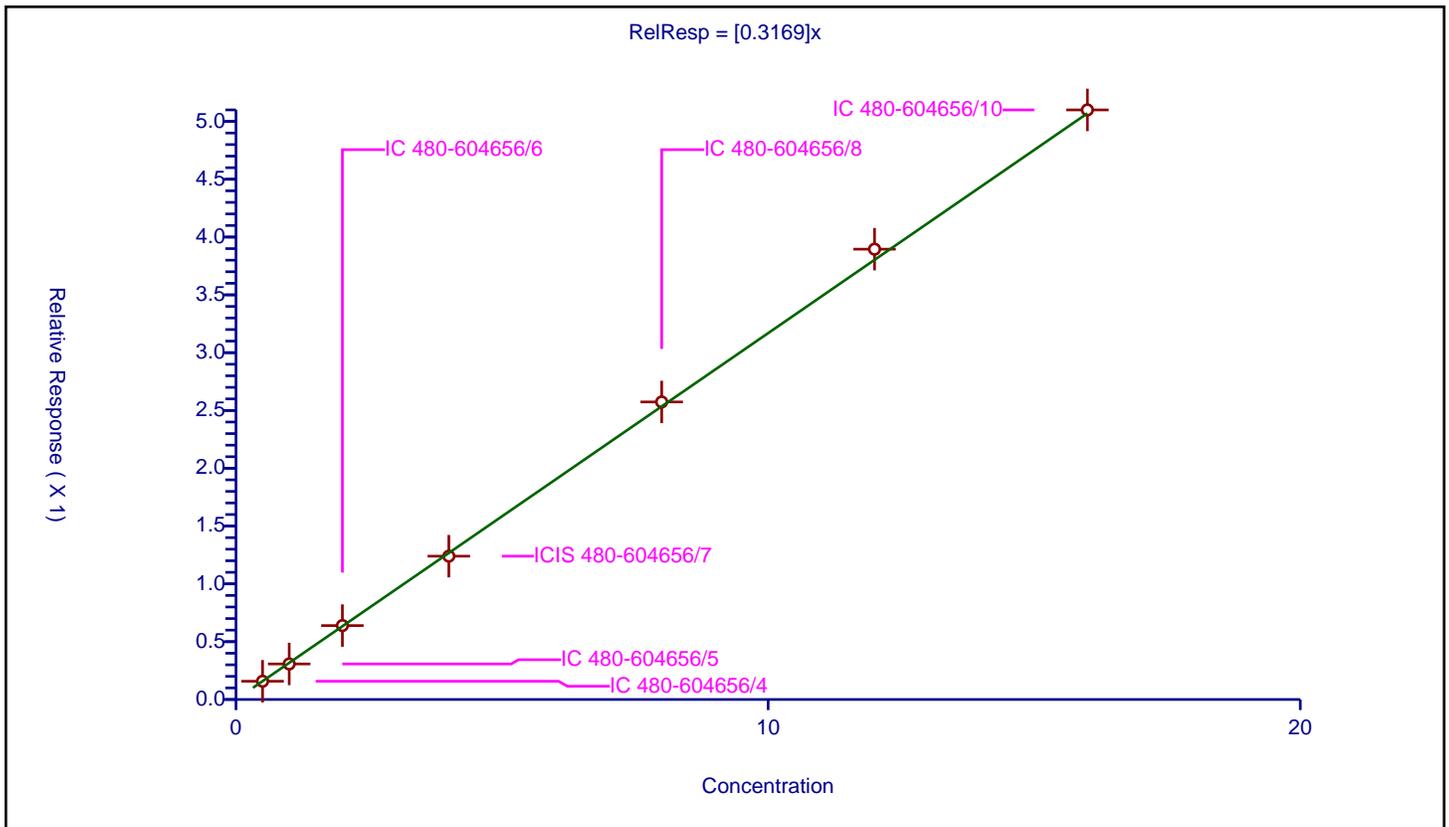
/ Hexachlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3169

Error Coefficients	
Standard Error:	876000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.158023	4.0	1168112.0	0.316045	Y
2	IC 480-604656/5	1.0	0.307516	4.0	1144410.0	0.307516	Y
3	IC 480-604656/6	2.0	0.63941	4.0	1220551.0	0.319705	Y
4	ICIS 480-604656/7	4.0	1.239815	4.0	1195275.0	0.309954	Y
5	IC 480-604656/8	8.0	2.573754	4.0	1235105.0	0.321719	Y
6	IC 480-604656/9	12.0	3.895276	4.0	1232229.0	0.324606	Y
7	IC 480-604656/10	16.0	5.099791	4.0	1200519.0	0.318737	Y



Calibration

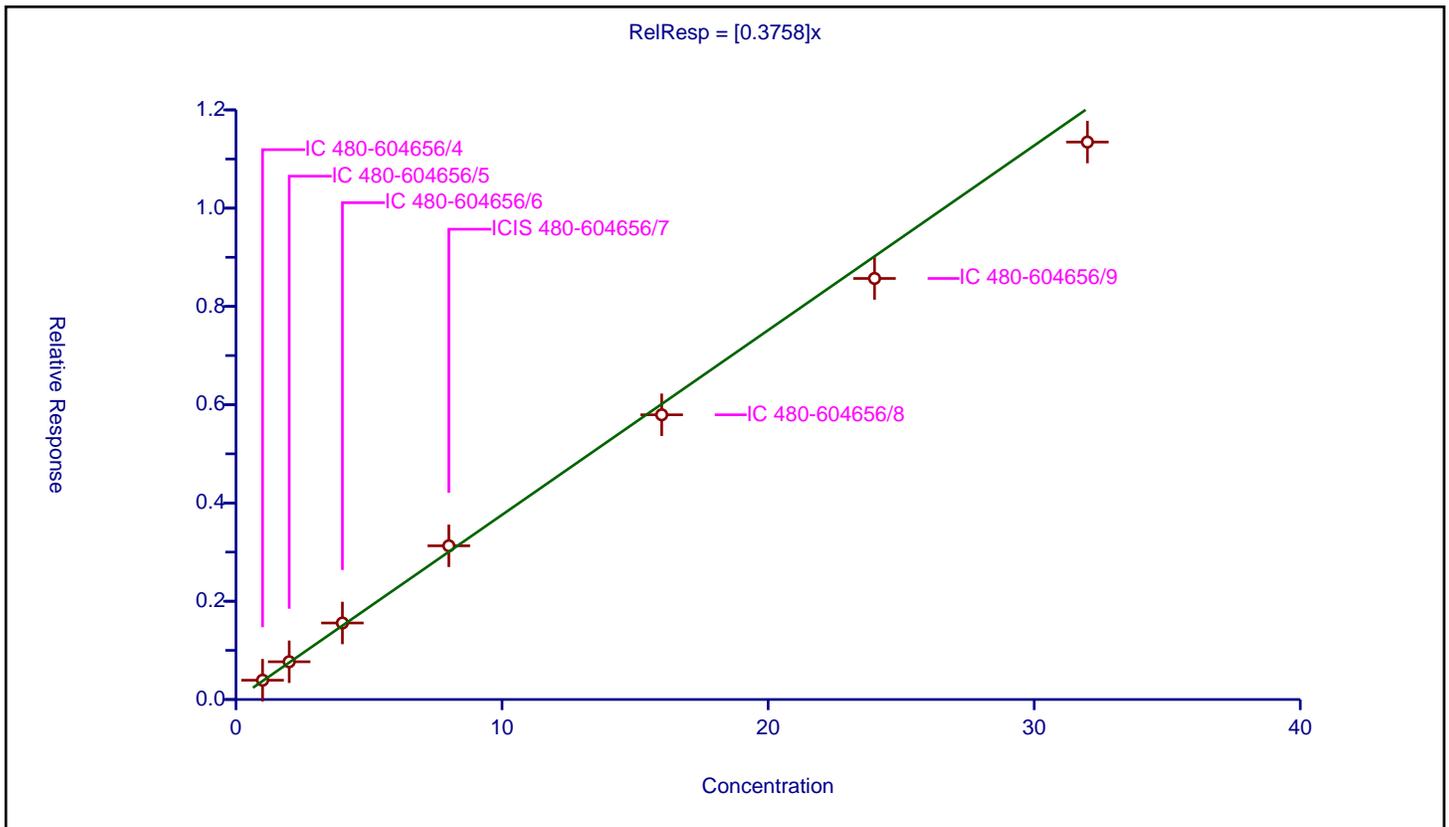
/ Atrazine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3758

Error Coefficients	
Standard Error:	1070000
Relative Standard Error:	4.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.392439	4.0	650435.0	0.392439	Y
2	IC 480-604656/5	2.0	0.768435	4.0	631835.0	0.384217	Y
3	IC 480-604656/6	4.0	1.556976	4.0	663332.0	0.389244	Y
4	ICIS 480-604656/7	8.0	3.12817	4.0	657931.0	0.391021	Y
5	IC 480-604656/8	16.0	5.79446	4.0	687311.0	0.362154	Y
6	IC 480-604656/9	24.0	8.569621	4.0	669203.0	0.357068	Y
7	IC 480-604656/10	32.0	11.345535	4.0	651268.0	0.354548	Y



Calibration

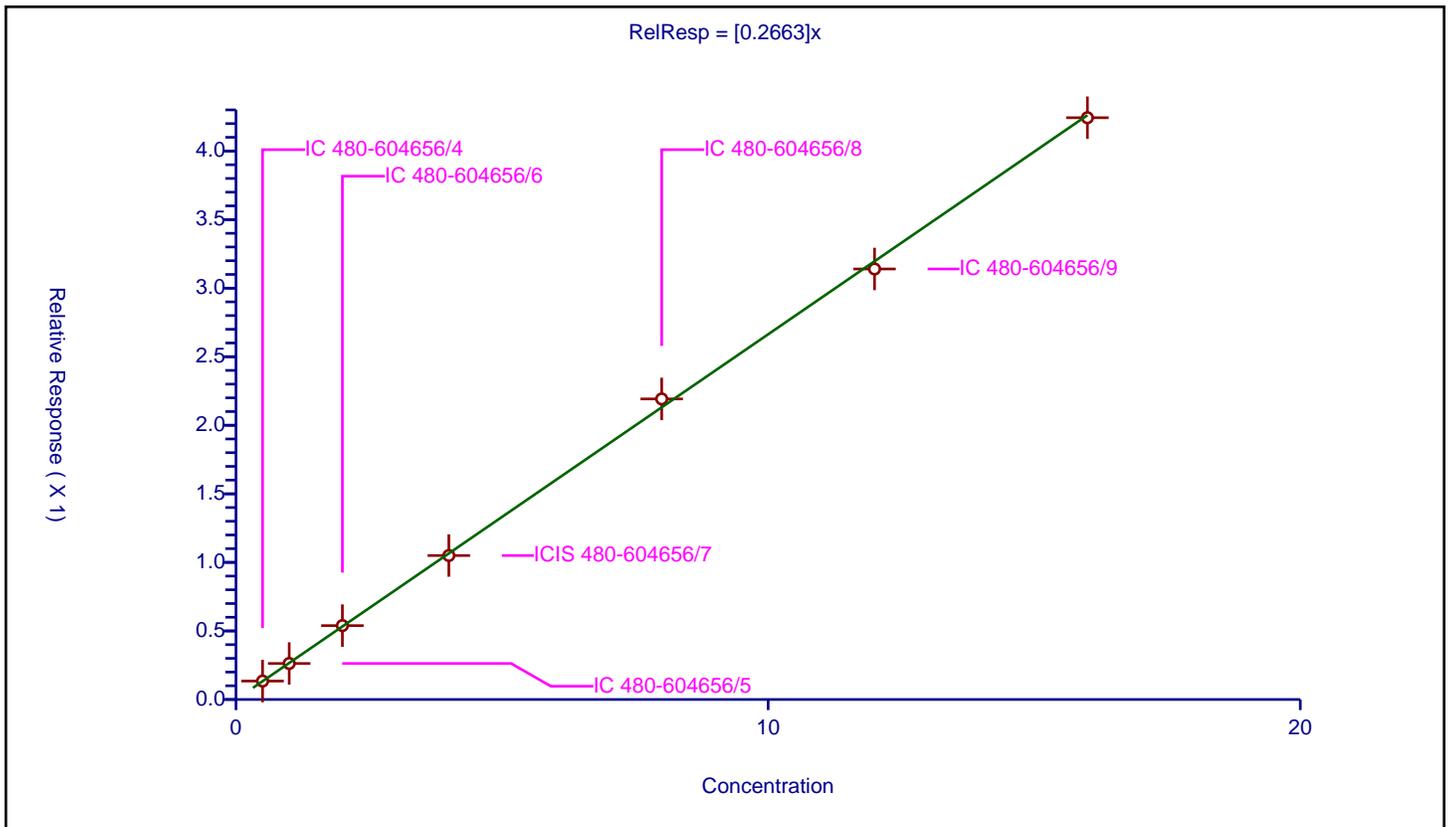
/ n-Octadecane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2663

Error Coefficients	
Standard Error:	724000
Relative Standard Error:	1.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.134463	4.0	1168112.0	0.268926	Y
2	IC 480-604656/5	1.0	0.2627	4.0	1144410.0	0.2627	Y
3	IC 480-604656/6	2.0	0.538799	4.0	1220551.0	0.2694	Y
4	ICIS 480-604656/7	4.0	1.049934	4.0	1195275.0	0.262484	Y
5	IC 480-604656/8	8.0	2.191972	4.0	1235105.0	0.273997	Y
6	IC 480-604656/9	12.0	3.139764	4.0	1232229.0	0.261647	Y
7	IC 480-604656/10	16.0	4.242982	4.0	1200519.0	0.265186	Y



Calibration

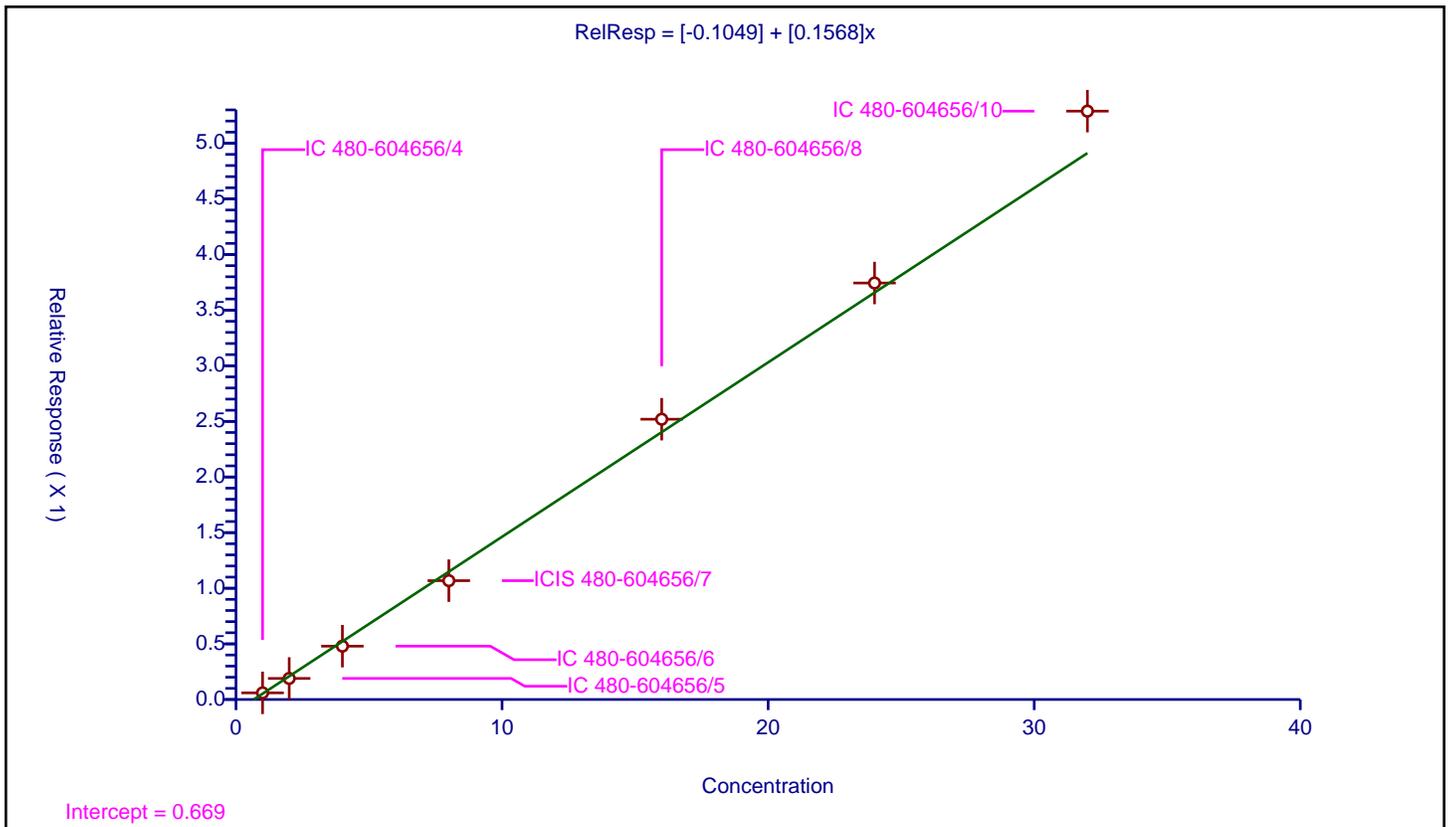
/ Pentachlorophenol

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.1049
Slope:	0.1568

Error Coefficients	
Standard Error:	957000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.05959	4.0	1168112.0	0.05959	Y
2	IC 480-604656/5	2.0	0.189355	4.0	1144410.0	0.094678	Y
3	IC 480-604656/6	4.0	0.479492	4.0	1220551.0	0.119873	Y
4	ICIS 480-604656/7	8.0	1.068045	4.0	1195275.0	0.133506	Y
5	IC 480-604656/8	16.0	2.519481	4.0	1235105.0	0.157468	Y
6	IC 480-604656/9	24.0	3.743772	4.0	1232229.0	0.15599	Y
7	IC 480-604656/10	32.0	5.288759	4.0	1200519.0	0.165274	Y



Calibration

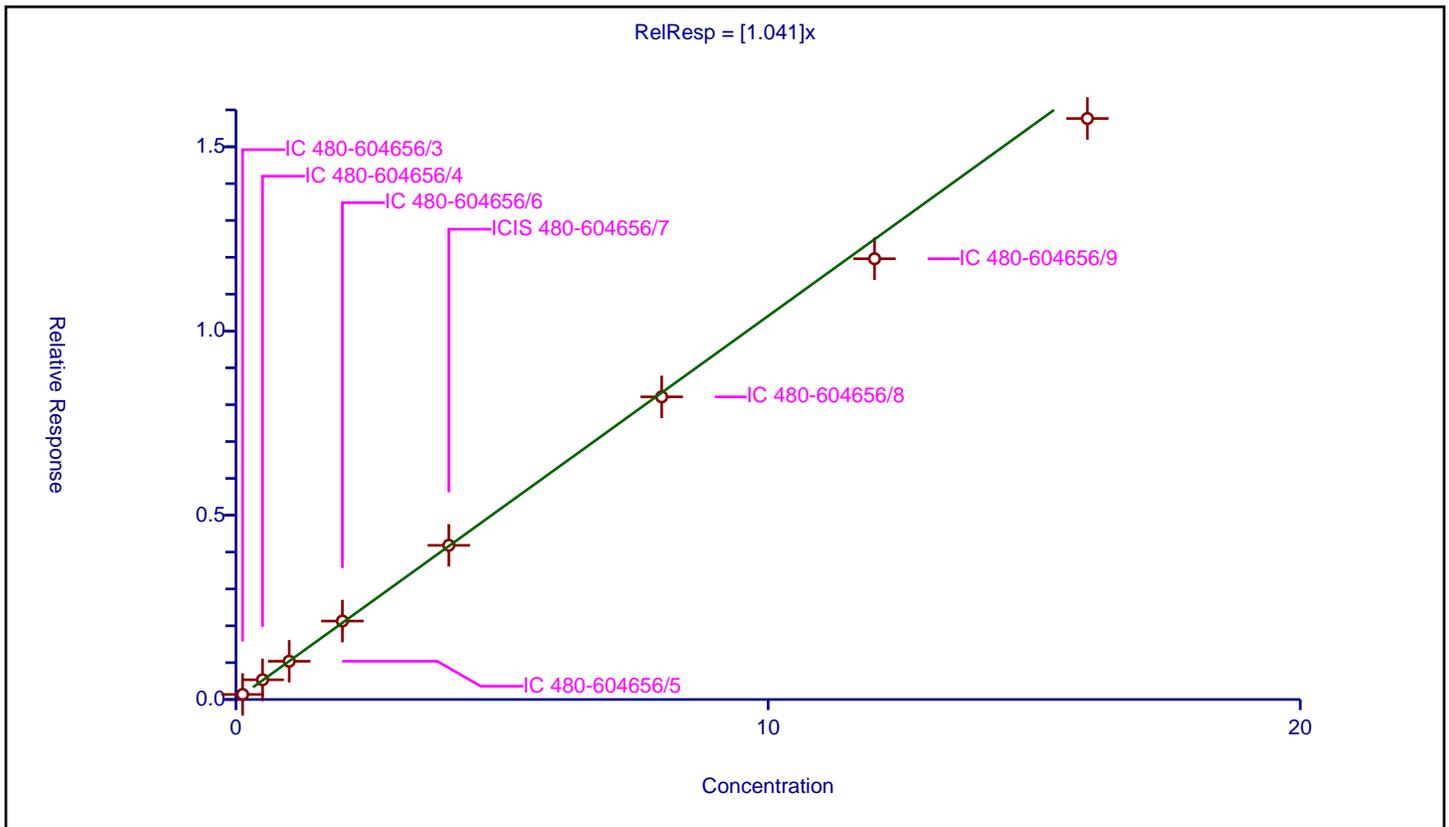
/ Phenanthrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.041

Error Coefficients	
Standard Error:	2520000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.137318	4.0	1113069.0	1.098541	Y
2	IC 480-604656/4	0.5	0.535185	4.0	1168112.0	1.07037	Y
3	IC 480-604656/5	1.0	1.038006	4.0	1144410.0	1.038006	Y
4	IC 480-604656/6	2.0	2.128485	4.0	1220551.0	1.064242	Y
5	ICIS 480-604656/7	4.0	4.183784	4.0	1195275.0	1.045946	Y
6	IC 480-604656/8	8.0	8.21229	4.0	1235105.0	1.026536	Y
7	IC 480-604656/9	12.0	11.960972	4.0	1232229.0	0.996748	Y
8	IC 480-604656/10	16.0	15.766941	4.0	1200519.0	0.985434	Y



Calibration

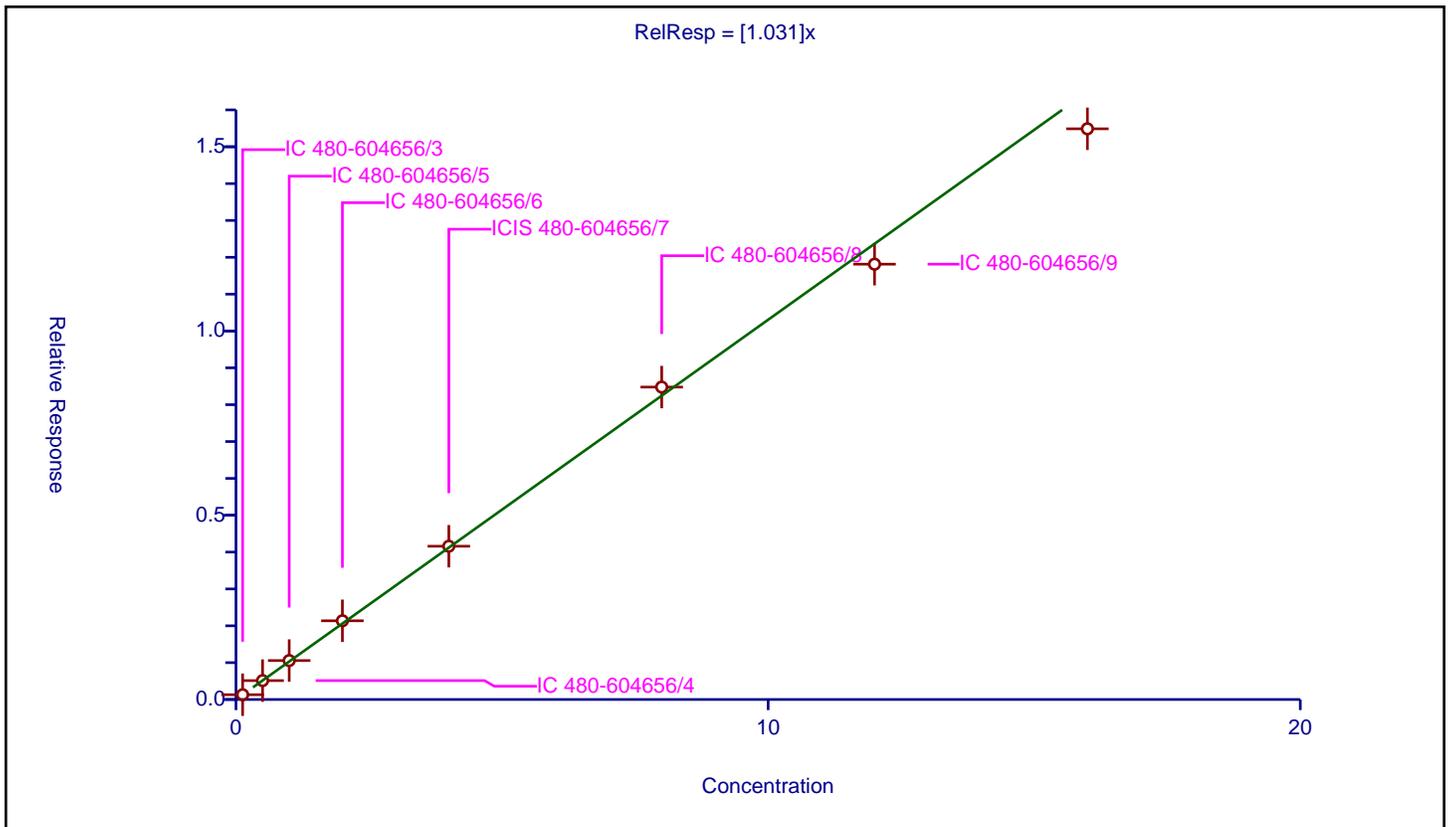
/ Anthracene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.031

Error Coefficients	
Standard Error:	2500000
Relative Standard Error:	3.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.130199	4.0	1113069.0	1.041589	Y
2	IC 480-604656/4	0.5	0.512848	4.0	1168112.0	1.025696	Y
3	IC 480-604656/5	1.0	1.056967	4.0	1144410.0	1.056967	Y
4	IC 480-604656/6	2.0	2.136052	4.0	1220551.0	1.068026	Y
5	ICIS 480-604656/7	4.0	4.159113	4.0	1195275.0	1.039778	Y
6	IC 480-604656/8	8.0	8.478133	4.0	1235105.0	1.059767	Y
7	IC 480-604656/9	12.0	11.813145	4.0	1232229.0	0.984429	Y
8	IC 480-604656/10	16.0	15.487115	4.0	1200519.0	0.967945	Y



Calibration

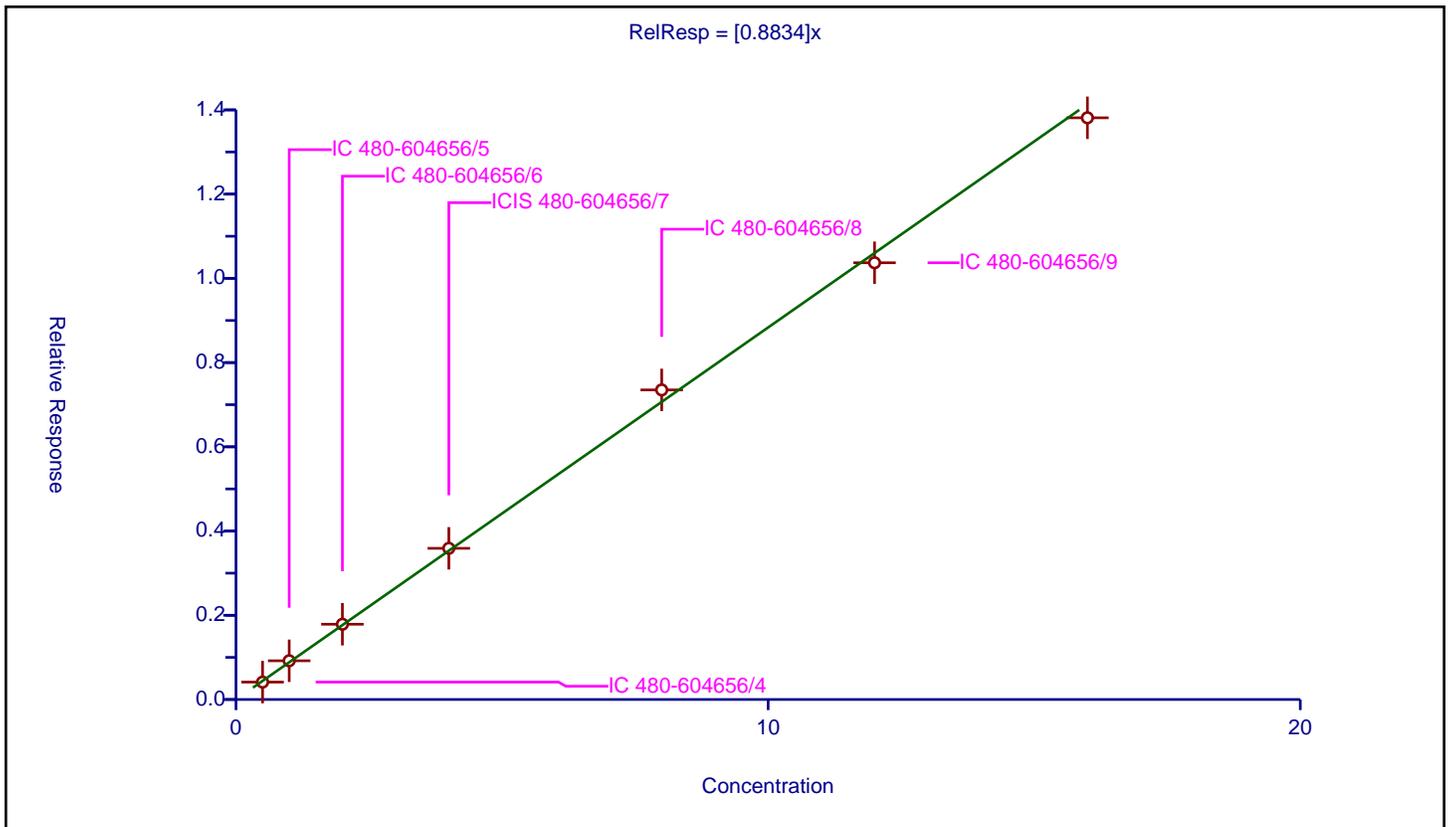
/ Carbazole

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8834

Error Coefficients	
Standard Error:	2380000
Relative Standard Error:	3.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.413505	4.0	1168112.0	0.82701	Y
2	IC 480-604656/5	1.0	0.919279	4.0	1144410.0	0.919279	Y
3	IC 480-604656/6	2.0	1.787268	4.0	1220551.0	0.893634	Y
4	ICIS 480-604656/7	4.0	3.589895	4.0	1195275.0	0.897474	Y
5	IC 480-604656/8	8.0	7.350679	4.0	1235105.0	0.918835	Y
6	IC 480-604656/9	12.0	10.370683	4.0	1232229.0	0.864224	Y
7	IC 480-604656/10	16.0	13.81229	4.0	1200519.0	0.863268	Y



Calibration

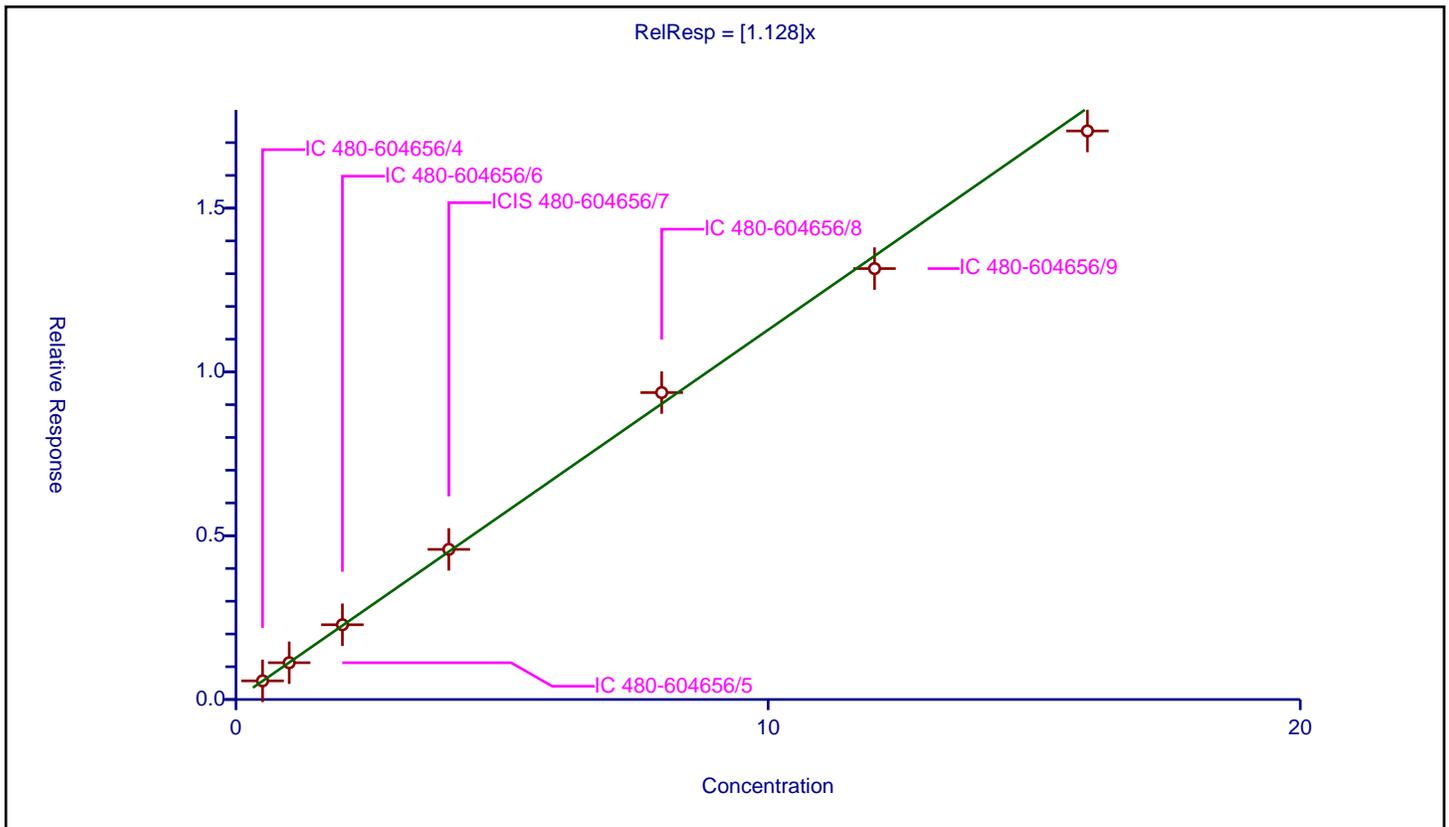
/ Di-n-butyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.128

Error Coefficients	
Standard Error:	3010000
Relative Standard Error:	2.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.568963	4.0	1168112.0	1.137925	Y
2	IC 480-604656/5	1.0	1.122346	4.0	1144410.0	1.122346	Y
3	IC 480-604656/6	2.0	2.282117	4.0	1220551.0	1.141058	Y
4	ICIS 480-604656/7	4.0	4.582922	4.0	1195275.0	1.14573	Y
5	IC 480-604656/8	8.0	9.369613	4.0	1235105.0	1.171202	Y
6	IC 480-604656/9	12.0	13.155824	4.0	1232229.0	1.096319	Y
7	IC 480-604656/10	16.0	17.356267	4.0	1200519.0	1.084767	Y



Calibration

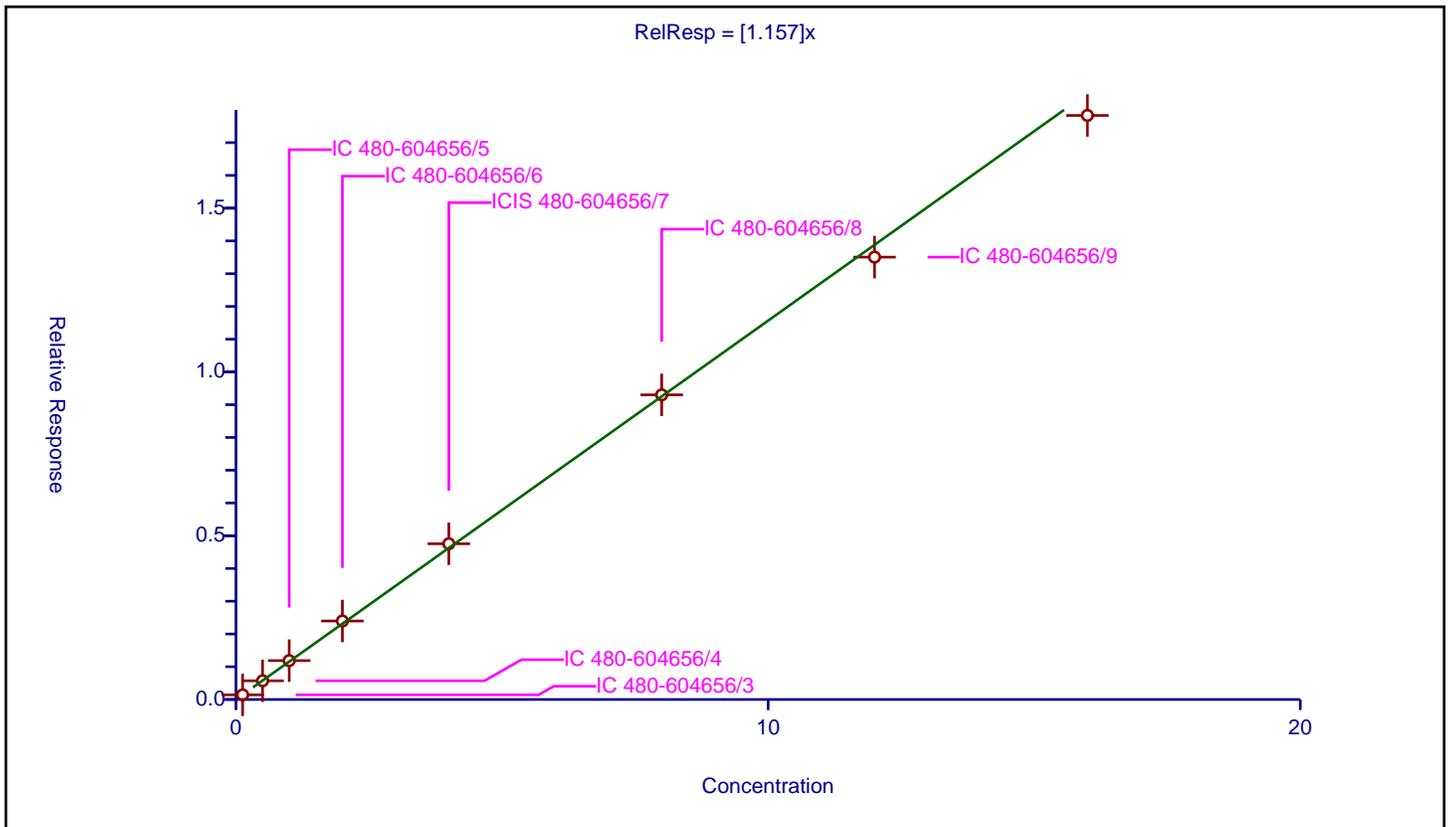
/ Fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.157

Error Coefficients	
Standard Error:	2850000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.141842	4.0	1113069.0	1.134736	Y
2	IC 480-604656/4	0.5	0.570873	4.0	1168112.0	1.141747	Y
3	IC 480-604656/5	1.0	1.187473	4.0	1144410.0	1.187473	Y
4	IC 480-604656/6	2.0	2.396449	4.0	1220551.0	1.198224	Y
5	ICIS 480-604656/7	4.0	4.754772	4.0	1195275.0	1.188693	Y
6	IC 480-604656/8	8.0	9.300547	4.0	1235105.0	1.162568	Y
7	IC 480-604656/9	12.0	13.50521	4.0	1232229.0	1.125434	Y
8	IC 480-604656/10	16.0	17.830448	4.0	1200519.0	1.114403	Y



Calibration

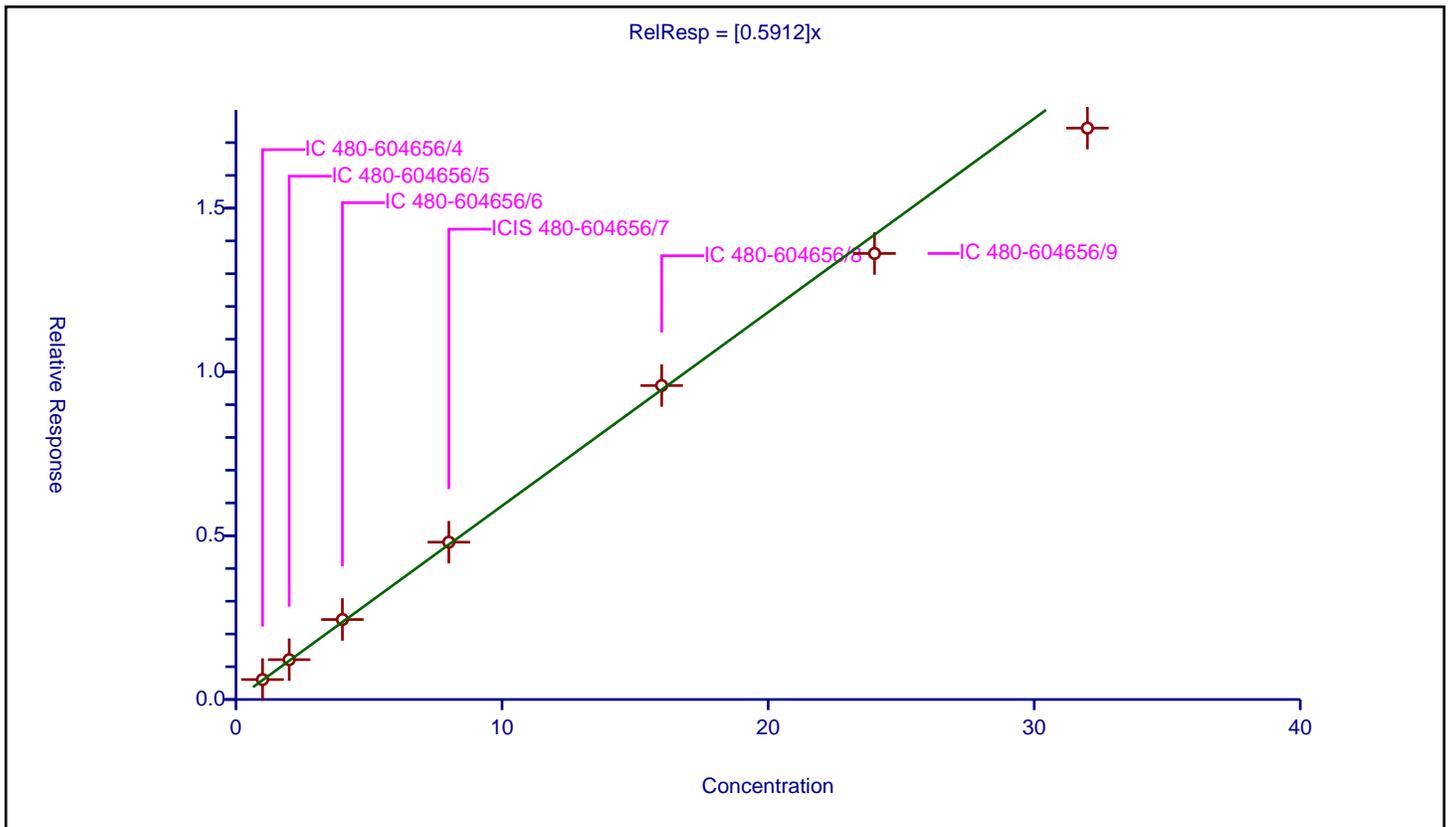
/ Benzidine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5912

Error Coefficients	
Standard Error:	3020000
Relative Standard Error:	4.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.607989	4.0	1173811.0	0.607989	Y
2	IC 480-604656/5	2.0	1.216006	4.0	1123662.0	0.608003	Y
3	IC 480-604656/6	4.0	2.44206	4.0	1200028.0	0.610515	Y
4	ICIS 480-604656/7	8.0	4.802918	4.0	1165813.0	0.600365	Y
5	IC 480-604656/8	16.0	9.584404	4.0	1242284.0	0.599025	Y
6	IC 480-604656/9	24.0	13.616716	4.0	1207183.0	0.567363	Y
7	IC 480-604656/10	32.0	17.444937	4.0	1175052.0	0.545154	Y



Calibration

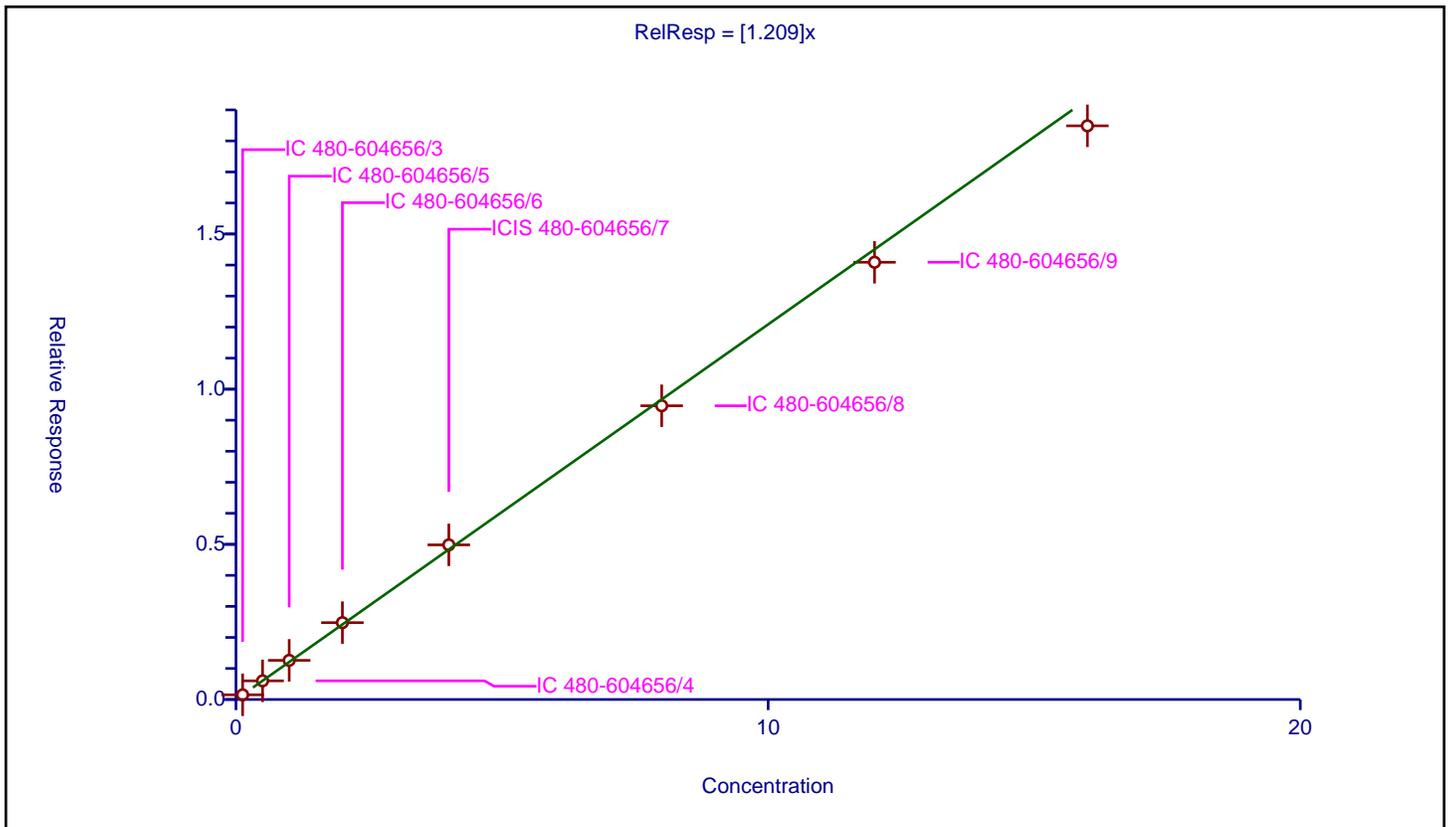
/ Pyrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.209

Error Coefficients	
Standard Error:	2900000
Relative Standard Error:	3.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.151165	4.0	1128095.0	1.209317	Y
2	IC 480-604656/4	0.5	0.601446	4.0	1173811.0	1.202892	Y
3	IC 480-604656/5	1.0	1.261251	4.0	1123662.0	1.261251	Y
4	IC 480-604656/6	2.0	2.476339	4.0	1200028.0	1.238169	Y
5	ICIS 480-604656/7	4.0	4.982933	4.0	1165813.0	1.245733	Y
6	IC 480-604656/8	8.0	9.465401	4.0	1242284.0	1.183175	Y
7	IC 480-604656/9	12.0	14.089658	4.0	1207183.0	1.174138	Y
8	IC 480-604656/10	16.0	18.486076	4.0	1175052.0	1.15538	Y



Calibration

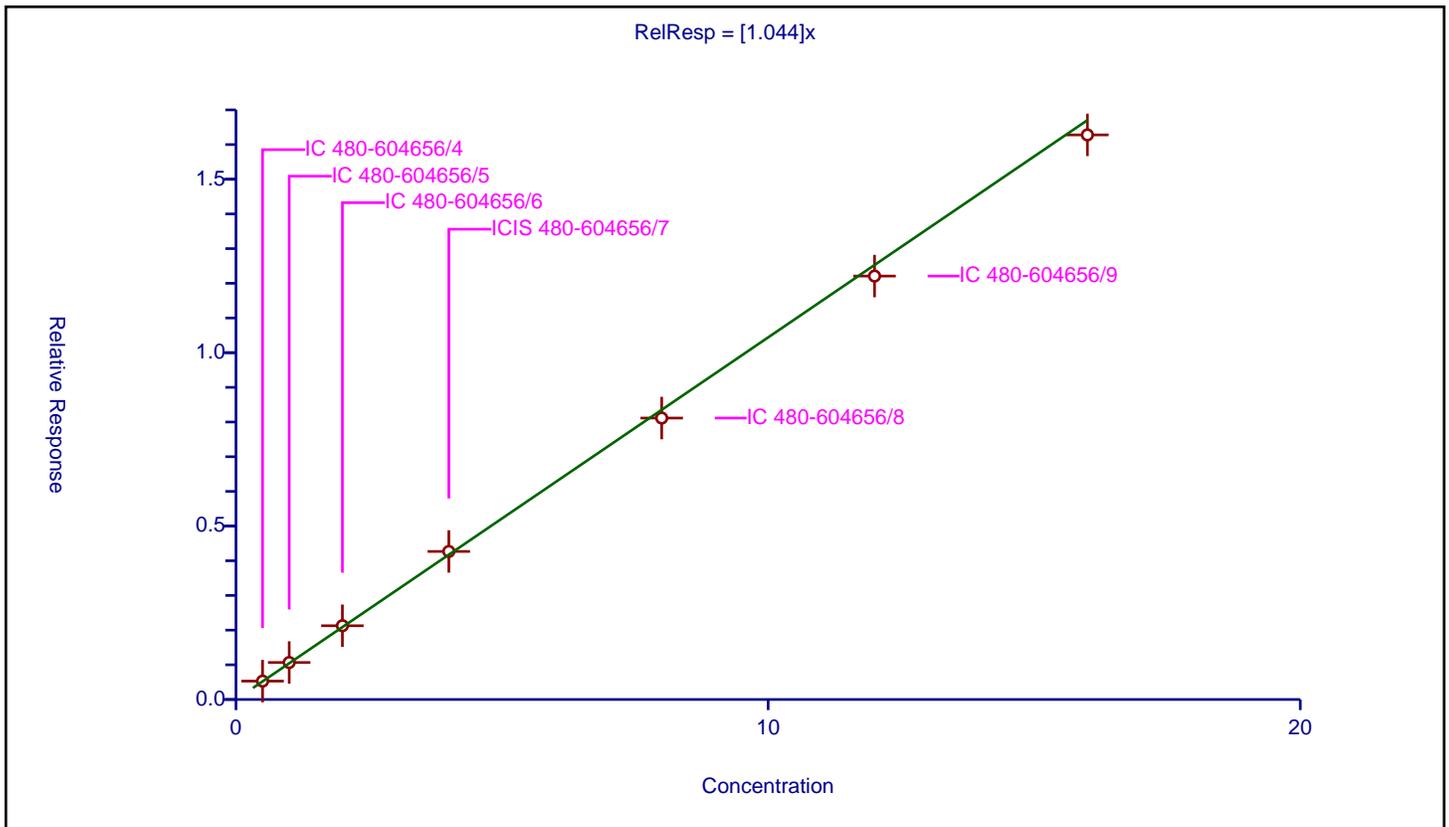
/ p-Terphenyl-d14

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	
Standard Error:	2730000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.530522	4.0	1173811.0	1.061043	Y
2	IC 480-604656/5	1.0	1.067182	4.0	1123662.0	1.067182	Y
3	IC 480-604656/6	2.0	2.126564	4.0	1200028.0	1.063282	Y
4	ICIS 480-604656/7	4.0	4.268939	4.0	1165813.0	1.067235	Y
5	IC 480-604656/8	8.0	8.114541	4.0	1242284.0	1.014318	Y
6	IC 480-604656/9	12.0	12.208502	4.0	1207183.0	1.017375	Y
7	IC 480-604656/10	16.0	16.278769	4.0	1175052.0	1.017423	Y



Calibration

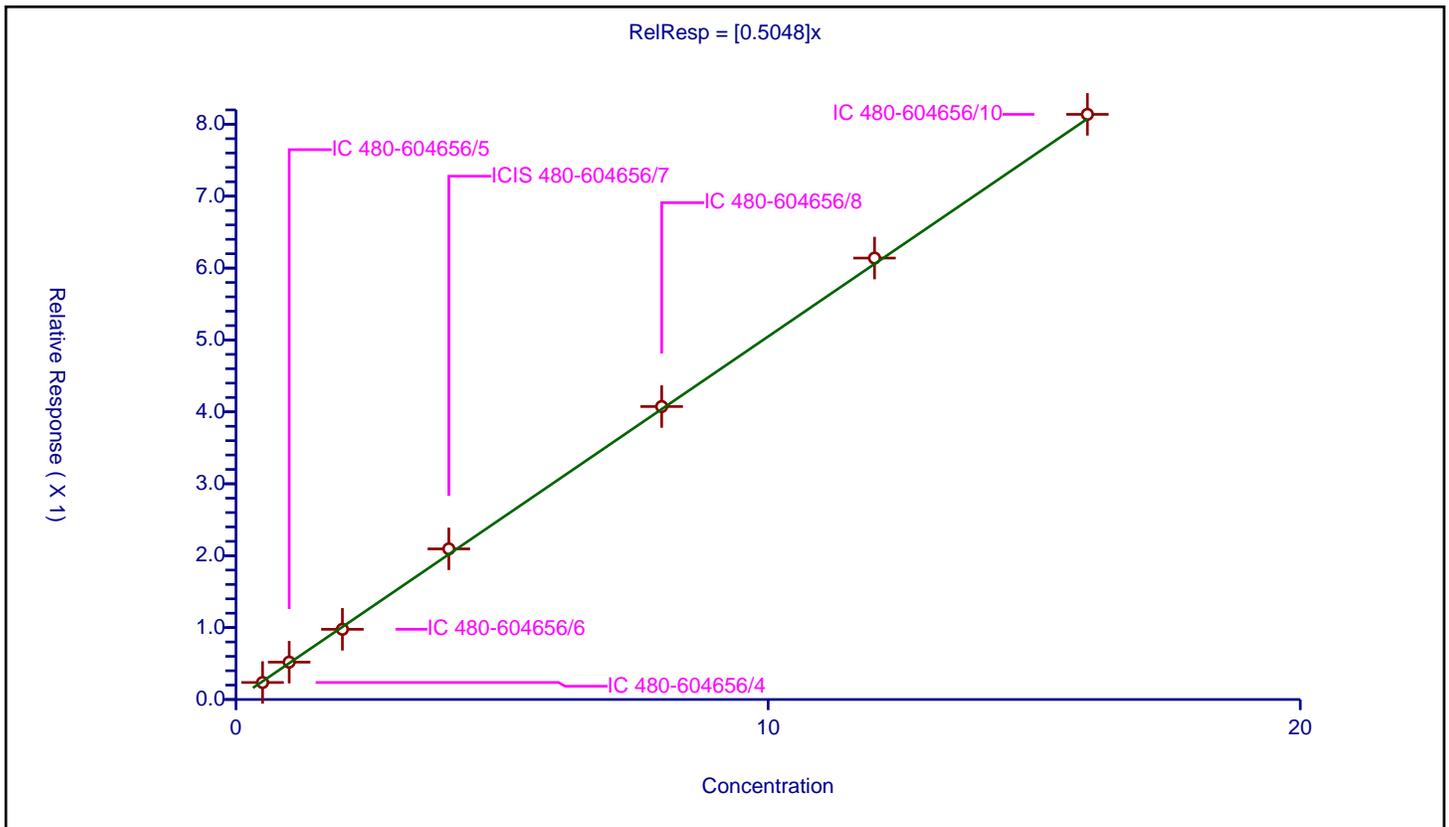
/ Butyl benzyl phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5048

Error Coefficients	
Standard Error:	1370000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.236375	4.0	1173811.0	0.472751	Y
2	IC 480-604656/5	1.0	0.519551	4.0	1123662.0	0.519551	Y
3	IC 480-604656/6	2.0	0.976147	4.0	1200028.0	0.488074	Y
4	ICIS 480-604656/7	4.0	2.094772	4.0	1165813.0	0.523693	Y
5	IC 480-604656/8	8.0	4.074331	4.0	1242284.0	0.509291	Y
6	IC 480-604656/9	12.0	6.139301	4.0	1207183.0	0.511608	Y
7	IC 480-604656/10	16.0	8.137921	4.0	1175052.0	0.50862	Y



Calibration

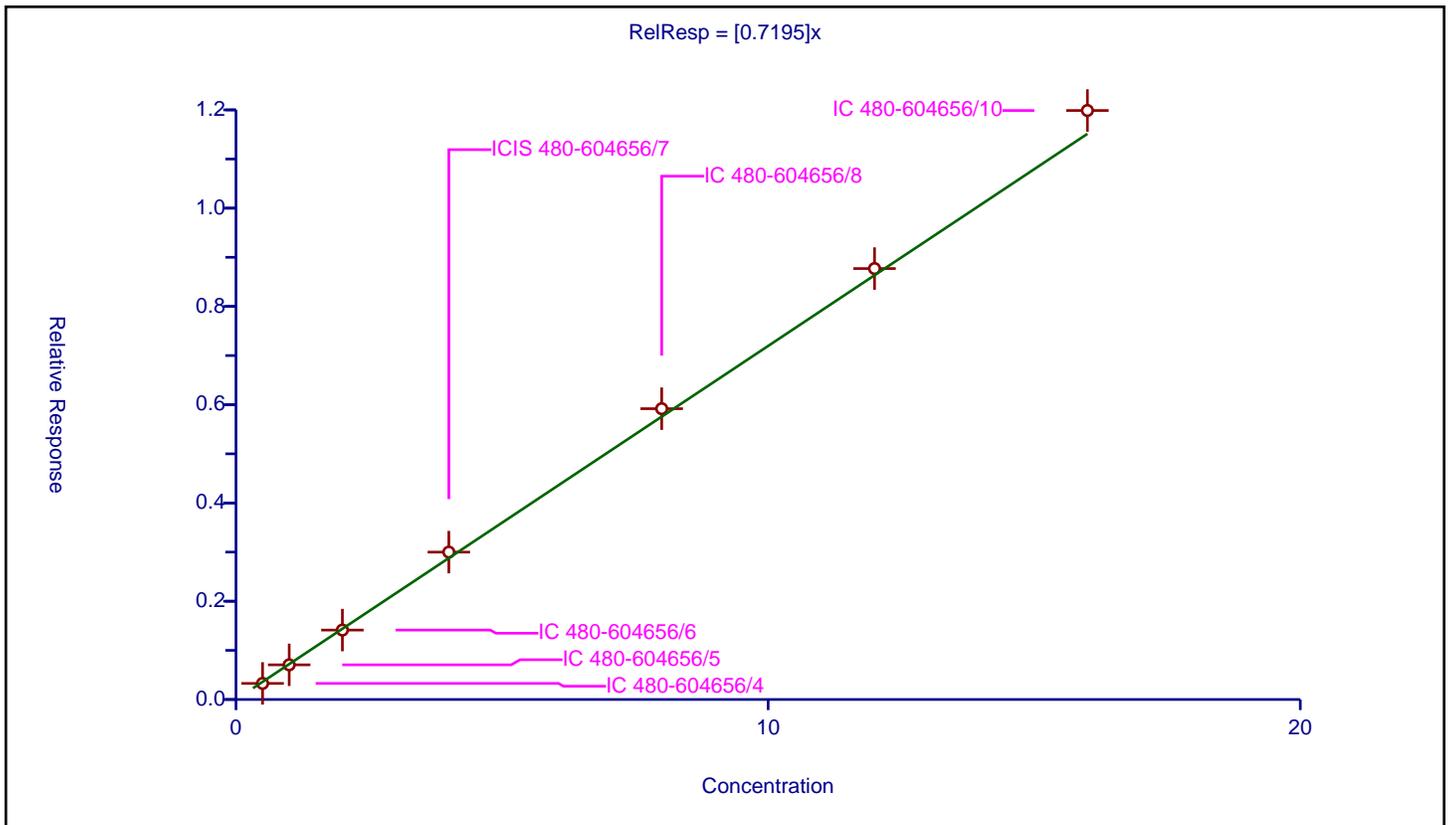
/ Bis(2-ethylhexyl) phthalate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7195

Error Coefficients	
Standard Error:	1990000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.327296	4.0	1173811.0	0.654593	Y
2	IC 480-604656/5	1.0	0.705725	4.0	1123662.0	0.705725	Y
3	IC 480-604656/6	2.0	1.413197	4.0	1200028.0	0.706599	Y
4	ICIS 480-604656/7	4.0	2.999695	4.0	1165813.0	0.749924	Y
5	IC 480-604656/8	8.0	5.918544	4.0	1242284.0	0.739818	Y
6	IC 480-604656/9	12.0	8.770541	4.0	1207183.0	0.730878	Y
7	IC 480-604656/10	16.0	11.987626	4.0	1175052.0	0.749227	Y



Calibration

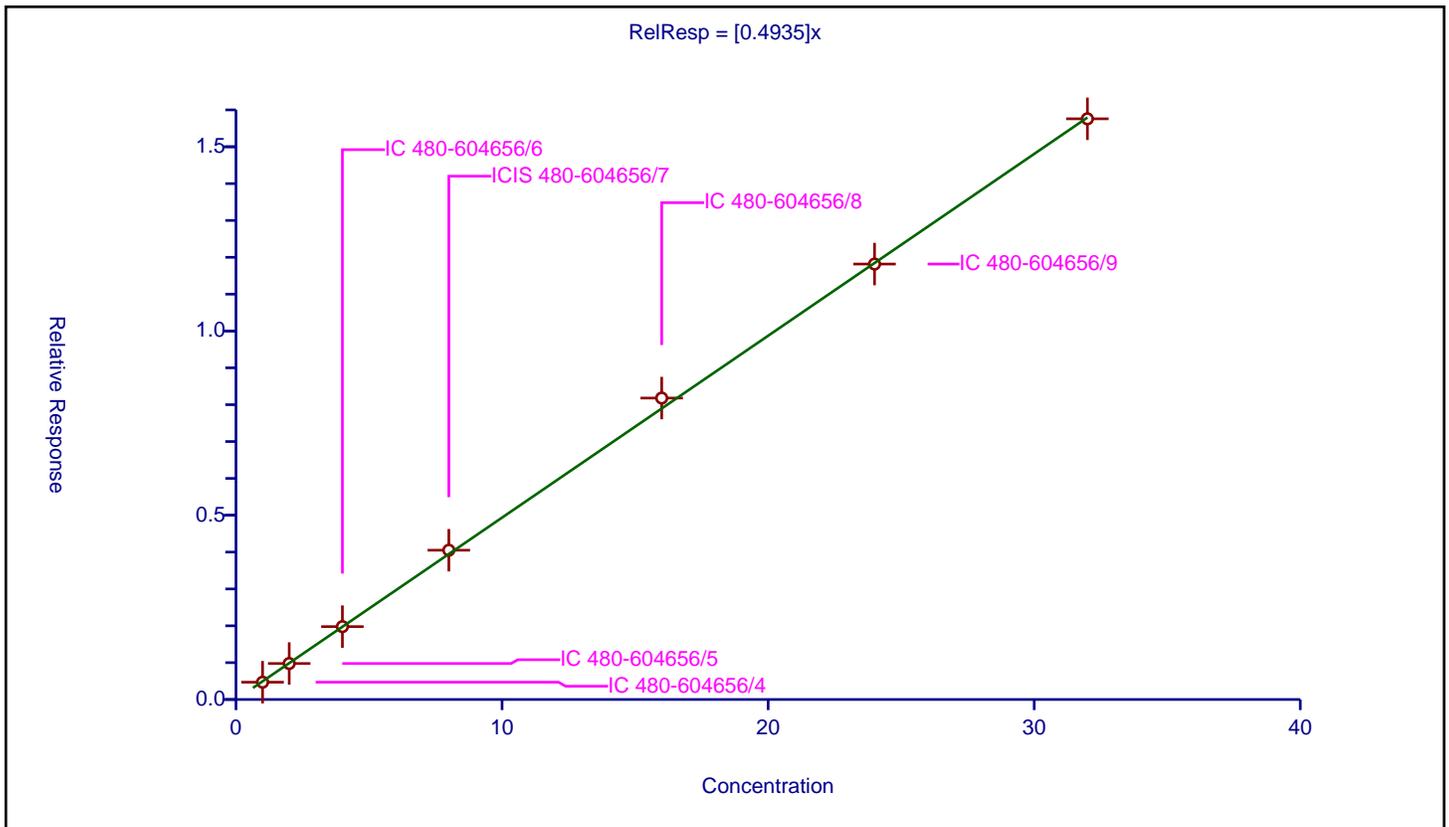
/ 3,3'-Dichlorobenzidine

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4935

Error Coefficients	
Standard Error:	2660000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	1.0	0.469374	4.0	1173811.0	0.469374	Y
2	IC 480-604656/5	2.0	0.976991	4.0	1123662.0	0.488496	Y
3	IC 480-604656/6	4.0	1.977527	4.0	1200028.0	0.494382	Y
4	ICIS 480-604656/7	8.0	4.051243	4.0	1165813.0	0.506405	Y
5	IC 480-604656/8	16.0	8.179956	4.0	1242284.0	0.511247	Y
6	IC 480-604656/9	24.0	11.816469	4.0	1207183.0	0.492353	Y
7	IC 480-604656/10	32.0	15.757961	4.0	1175052.0	0.492436	Y



Calibration

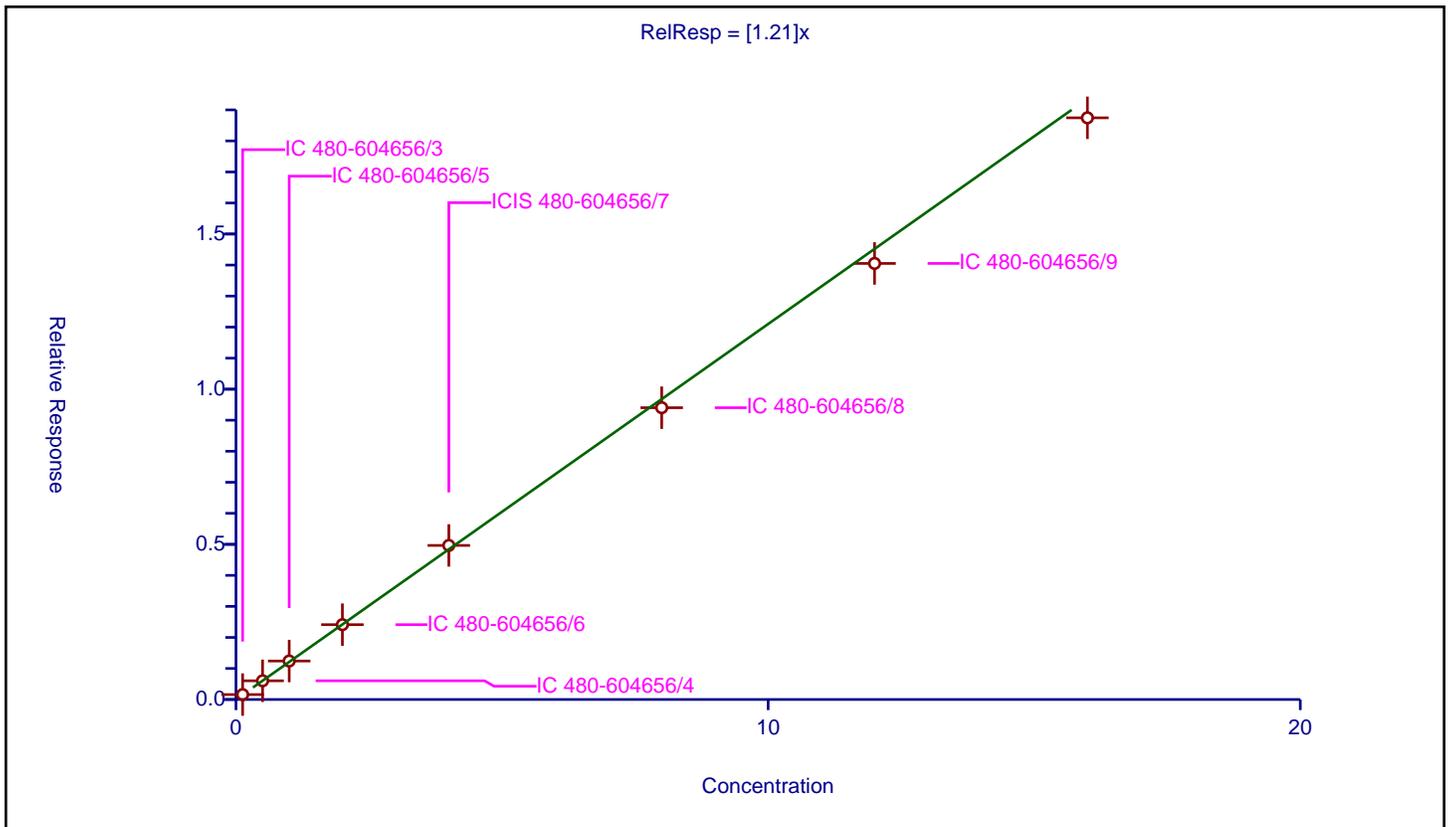
/ Benzo[a]anthracene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.21

Error Coefficients	
Standard Error:	2920000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.158678	4.0	1128095.0	1.269425	Y
2	IC 480-604656/4	0.5	0.602663	4.0	1173811.0	1.205325	Y
3	IC 480-604656/5	1.0	1.240092	4.0	1123662.0	1.240092	Y
4	IC 480-604656/6	2.0	2.411447	4.0	1200028.0	1.205724	Y
5	ICIS 480-604656/7	4.0	4.964597	4.0	1165813.0	1.241149	Y
6	IC 480-604656/8	8.0	9.403167	4.0	1242284.0	1.175396	Y
7	IC 480-604656/9	12.0	14.05203	4.0	1207183.0	1.171003	Y
8	IC 480-604656/10	16.0	18.744331	4.0	1175052.0	1.171521	Y



Calibration

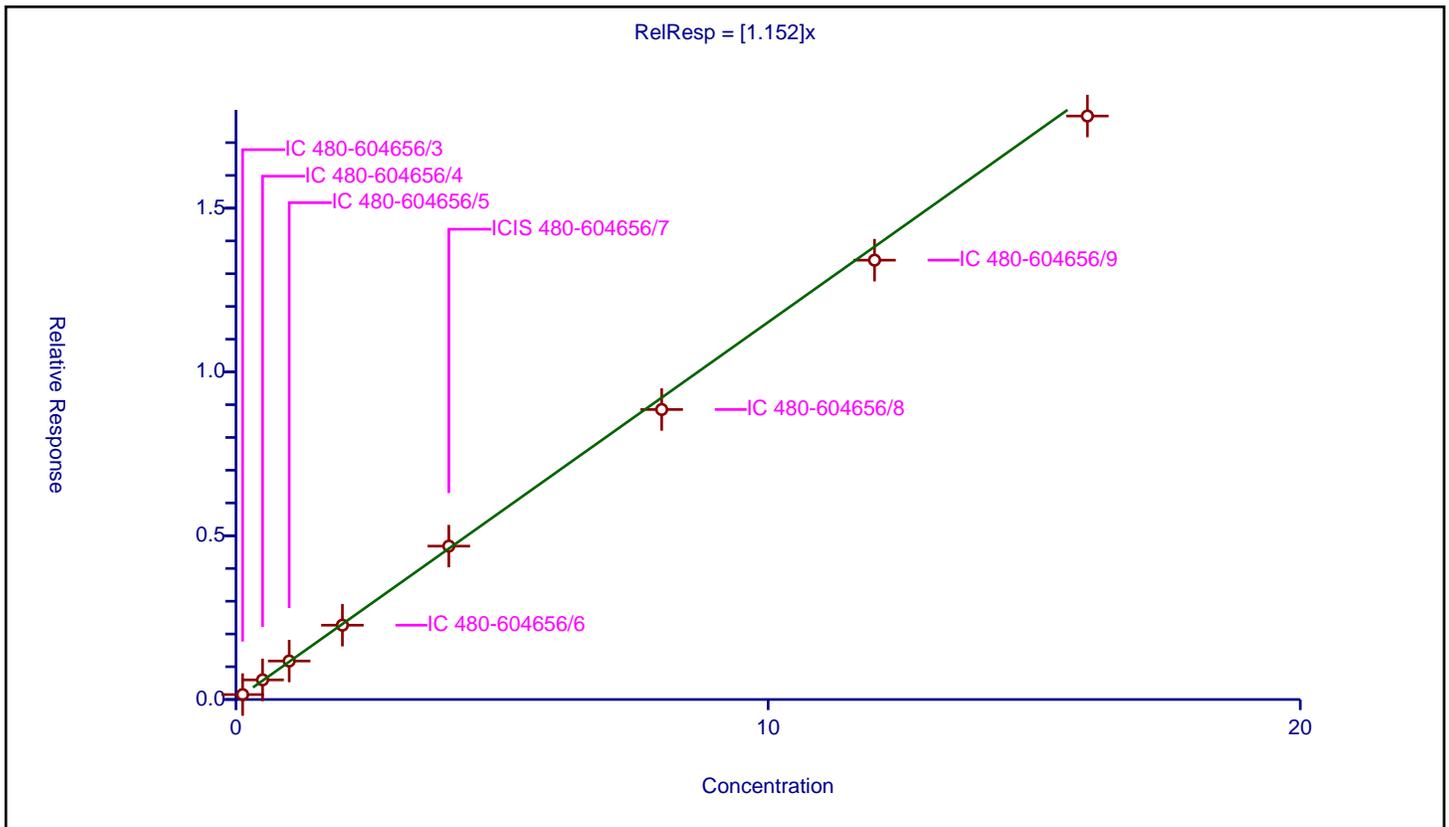
/ Chrysene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.152

Error Coefficients	
Standard Error:	2770000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.149998	4.0	1128095.0	1.199984	Y
2	IC 480-604656/4	0.5	0.598607	4.0	1173811.0	1.197215	Y
3	IC 480-604656/5	1.0	1.175272	4.0	1123662.0	1.175272	Y
4	IC 480-604656/6	2.0	2.268807	4.0	1200028.0	1.134404	Y
5	ICIS 480-604656/7	4.0	4.682724	4.0	1165813.0	1.170681	Y
6	IC 480-604656/8	8.0	8.852491	4.0	1242284.0	1.106561	Y
7	IC 480-604656/9	12.0	13.412763	4.0	1207183.0	1.11773	Y
8	IC 480-604656/10	16.0	17.813013	4.0	1175052.0	1.113313	Y



Calibration

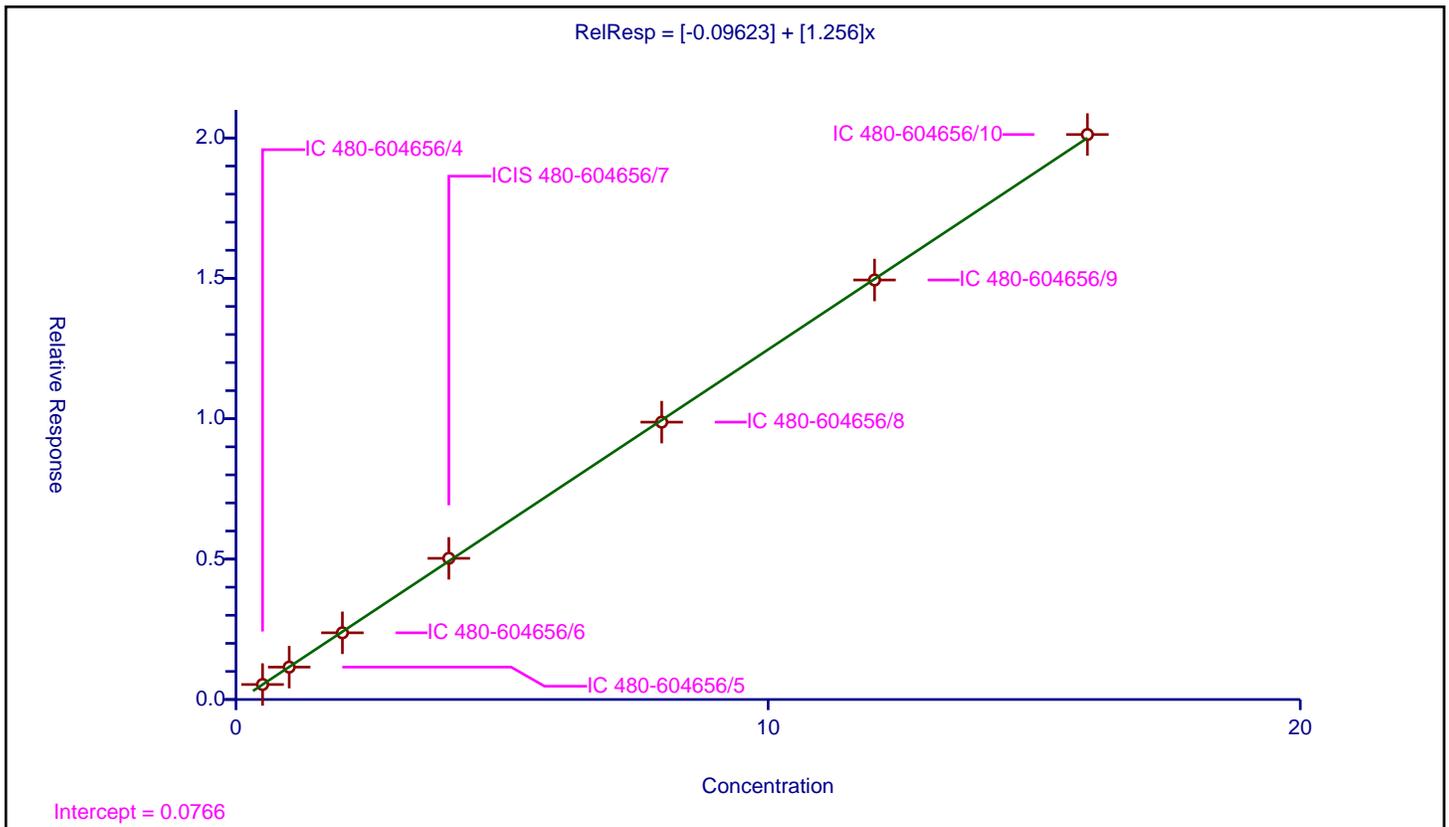
/ Di-n-octyl phthalate

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.09623
Slope:	1.256

Error Coefficients	
Standard Error:	3670000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/4	0.5	0.534399	4.0	1173811.0	1.068799	Y
2	IC 480-604656/5	1.0	1.154027	4.0	1123662.0	1.154027	Y
3	IC 480-604656/6	2.0	2.375425	4.0	1200028.0	1.187712	Y
4	ICIS 480-604656/7	4.0	5.028086	4.0	1165813.0	1.257021	Y
5	IC 480-604656/8	8.0	9.878585	4.0	1242284.0	1.234823	Y
6	IC 480-604656/9	12.0	14.941821	4.0	1207183.0	1.245152	Y
7	IC 480-604656/10	16.0	20.12266	4.0	1175052.0	1.257666	Y



Calibration

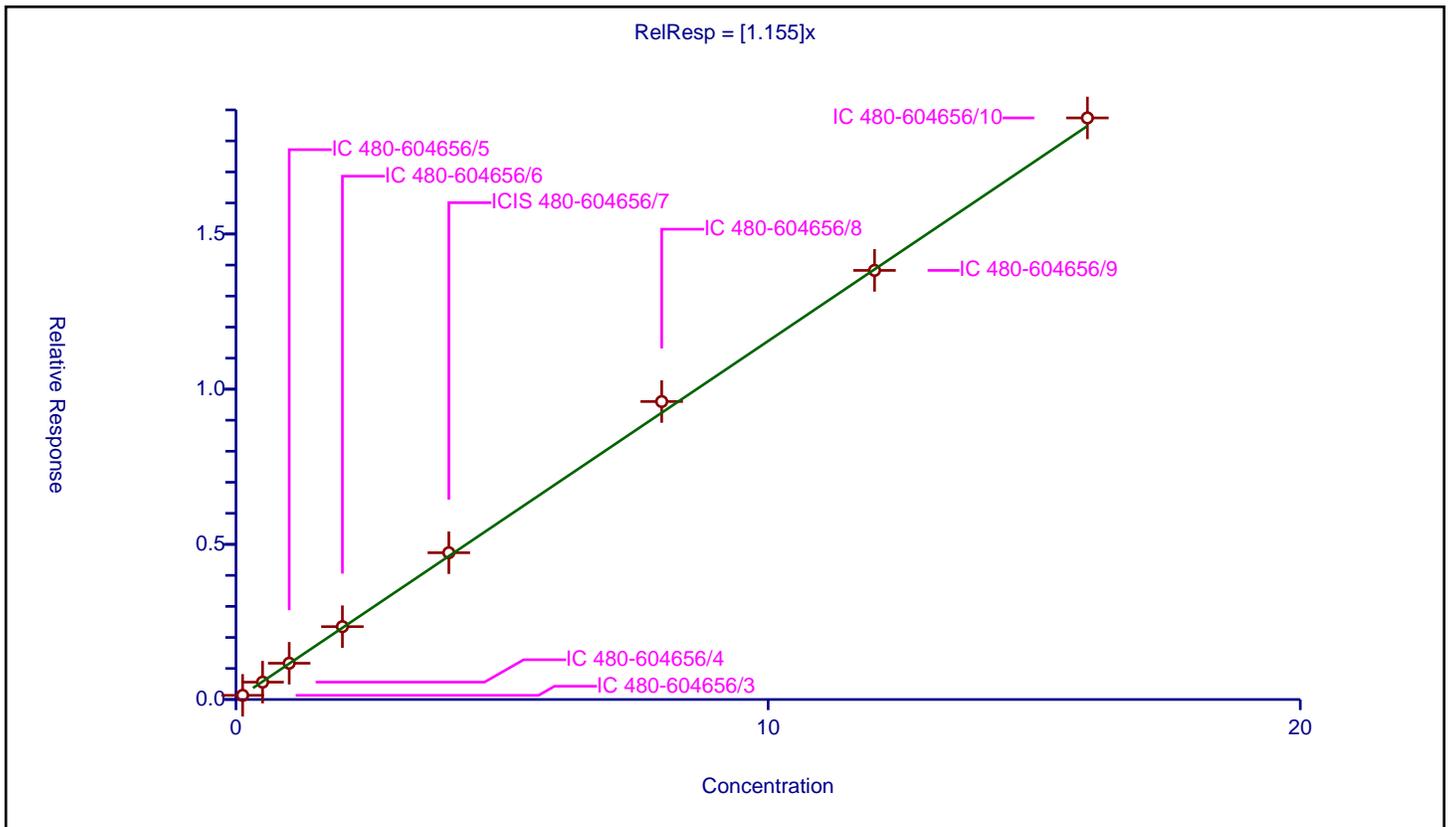
/ Benzo[b]fluoranthene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.155

Error Coefficients	
Standard Error:	3190000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.13417	4.0	1198958.0	1.073359	Y
2	IC 480-604656/4	0.5	0.559568	4.0	1275012.0	1.119136	Y
3	IC 480-604656/5	1.0	1.168252	4.0	1226787.0	1.168252	Y
4	IC 480-604656/6	2.0	2.347488	4.0	1312390.0	1.173744	Y
5	ICIS 480-604656/7	4.0	4.730011	4.0	1287219.0	1.182503	Y
6	IC 480-604656/8	8.0	9.601501	4.0	1333574.0	1.200188	Y
7	IC 480-604656/9	12.0	13.828105	4.0	1339129.0	1.152342	Y
8	IC 480-604656/10	16.0	18.741479	4.0	1288557.0	1.171342	Y



Calibration

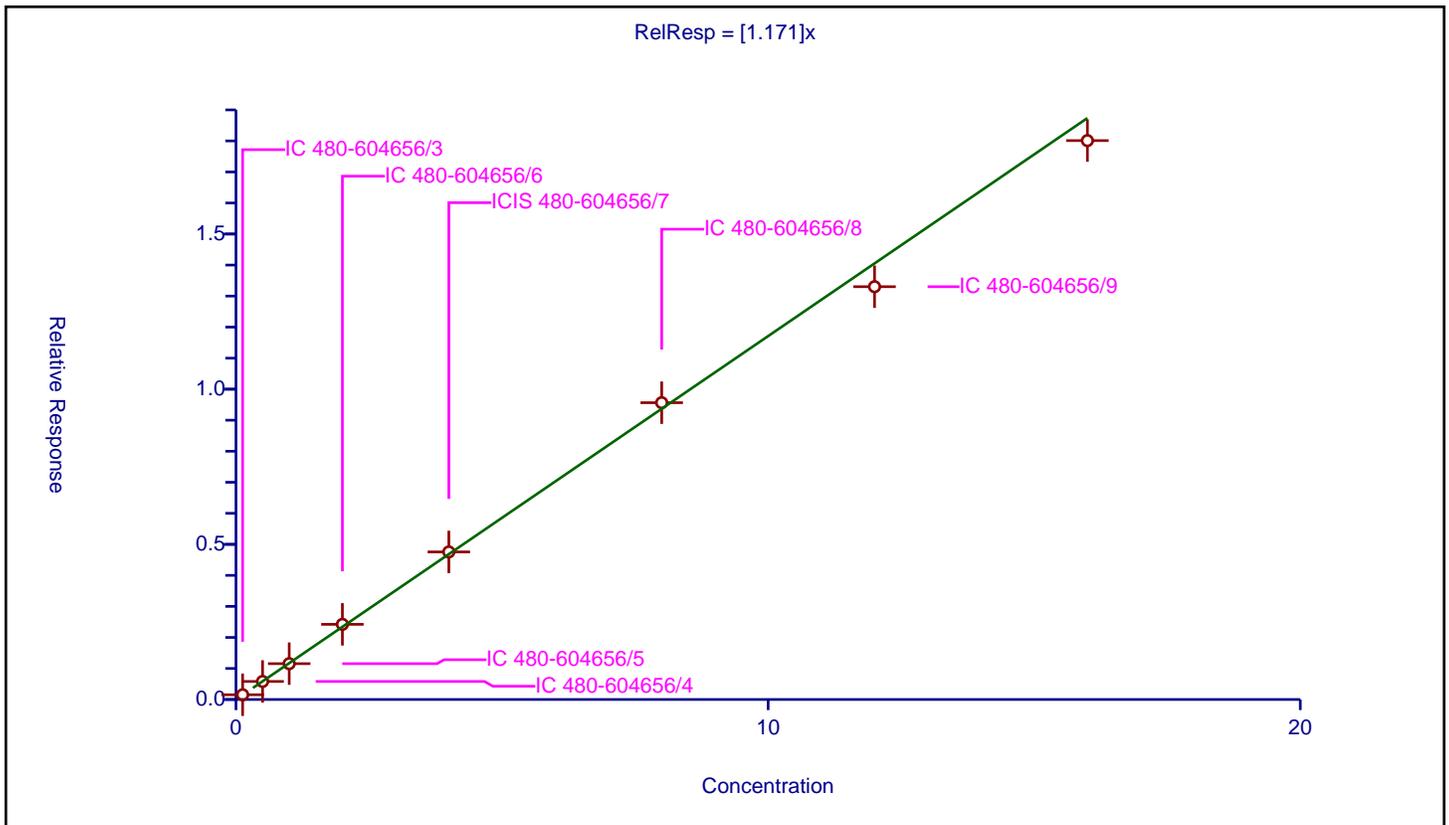
/ Benzo[k]fluoranthene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.171

Error Coefficients	
Standard Error:	3090000
Relative Standard Error:	3.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.152676	4.0	1198958.0	1.221407	Y
2	IC 480-604656/4	0.5	0.58114	4.0	1275012.0	1.162279	Y
3	IC 480-604656/5	1.0	1.155187	4.0	1226787.0	1.155187	Y
4	IC 480-604656/6	2.0	2.42167	4.0	1312390.0	1.210835	Y
5	ICIS 480-604656/7	4.0	4.75584	4.0	1287219.0	1.18896	Y
6	IC 480-604656/8	8.0	9.564629	4.0	1333574.0	1.195579	Y
7	IC 480-604656/9	12.0	13.302303	4.0	1339129.0	1.108525	Y
8	IC 480-604656/10	16.0	18.010323	4.0	1288557.0	1.125645	Y



Calibration

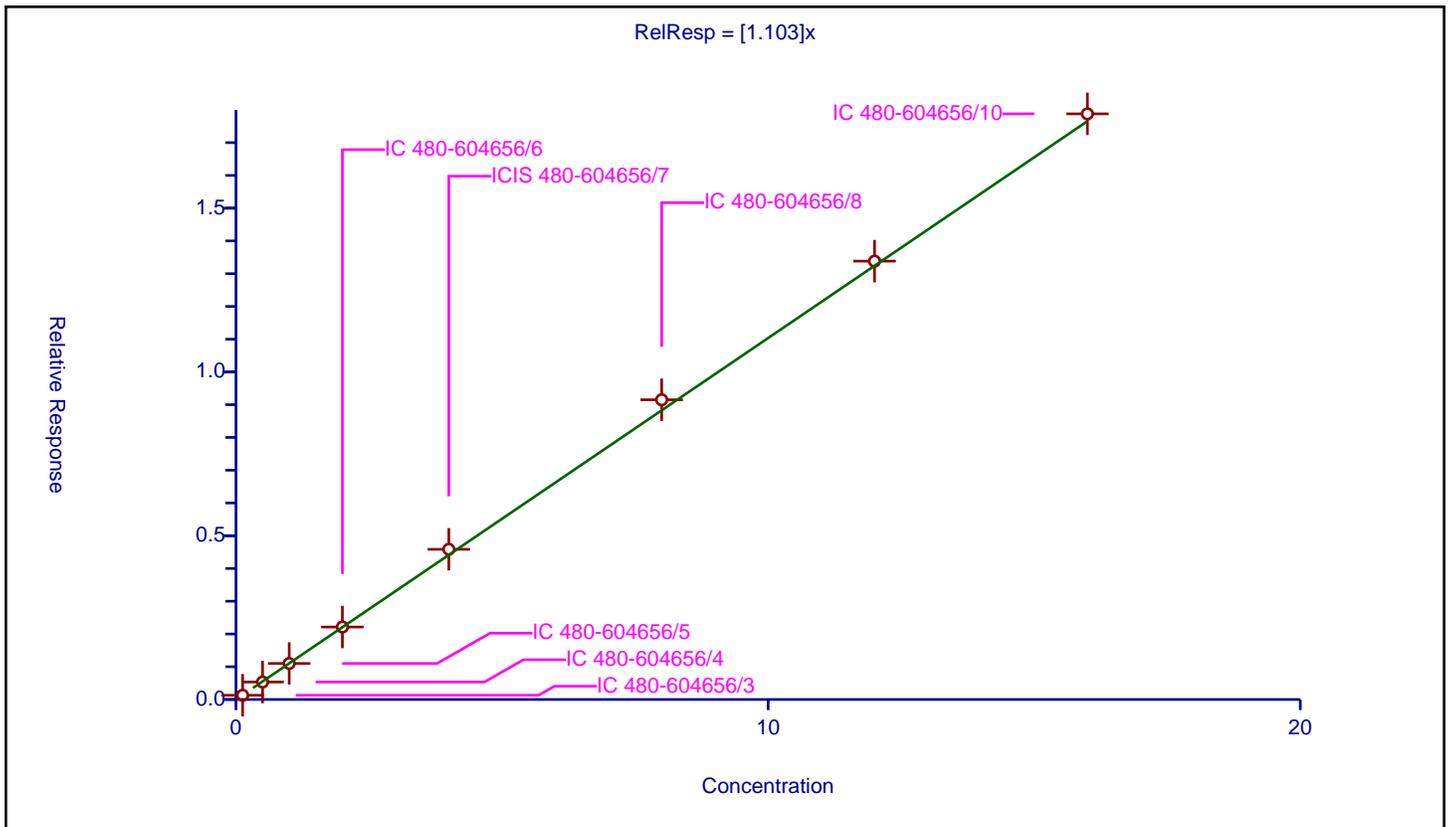
/ Benzo[a]pyrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.103

Error Coefficients	
Standard Error:	3060000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.128702	4.0	1198958.0	1.029614	Y
2	IC 480-604656/4	0.5	0.534166	4.0	1275012.0	1.068332	Y
3	IC 480-604656/5	1.0	1.100338	4.0	1226787.0	1.100338	Y
4	IC 480-604656/6	2.0	2.212687	4.0	1312390.0	1.106343	Y
5	ICIS 480-604656/7	4.0	4.585296	4.0	1287219.0	1.146324	Y
6	IC 480-604656/8	8.0	9.150214	4.0	1333574.0	1.143777	Y
7	IC 480-604656/9	12.0	13.382621	4.0	1339129.0	1.115218	Y
8	IC 480-604656/10	16.0	17.879774	4.0	1288557.0	1.117486	Y



Calibration

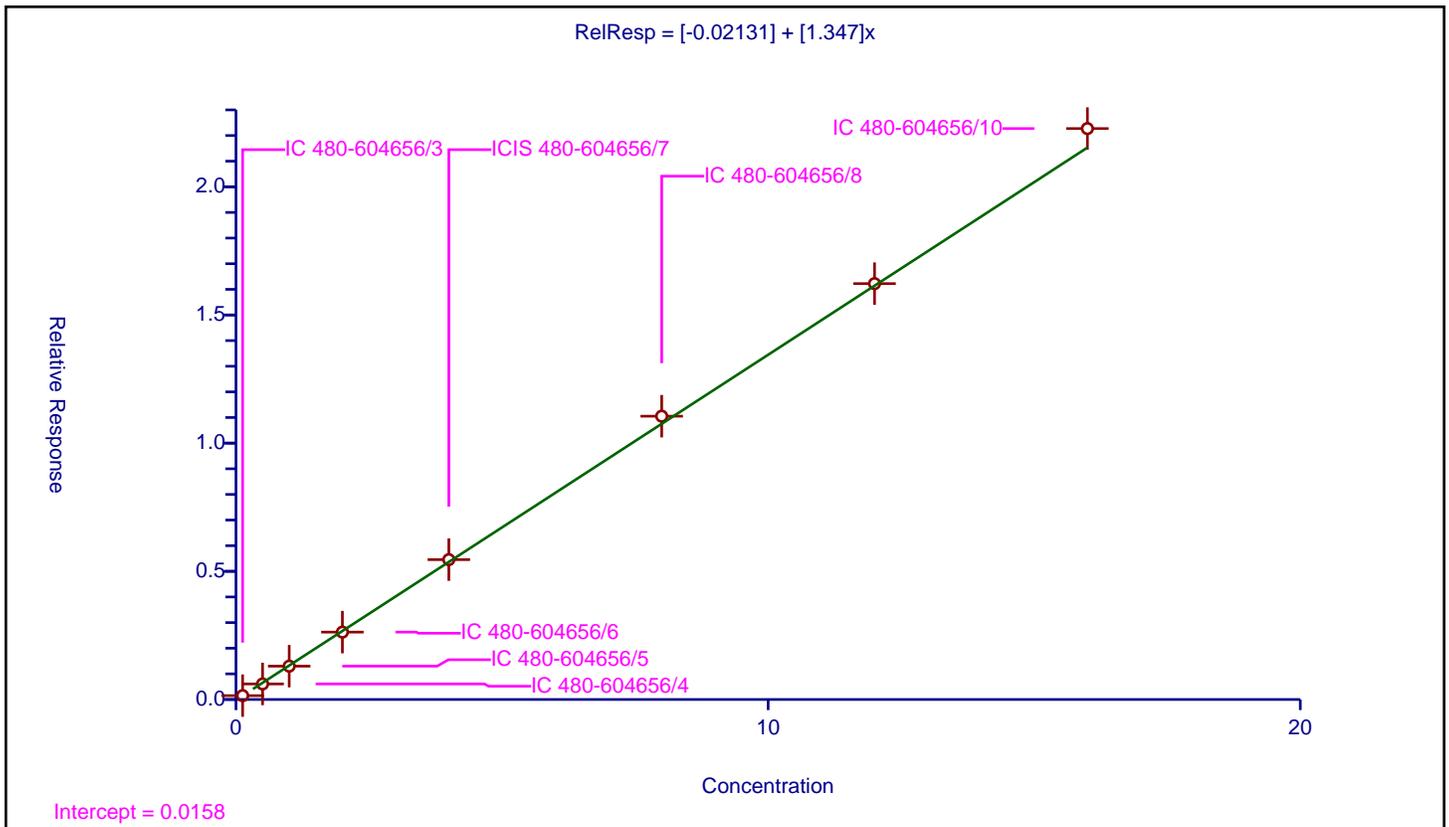
/ Indeno[1,2,3-cd]pyrene

Curve Type: Linear
 Weighting: Conc_Sq
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	-0.02131
Slope:	1.347

Error Coefficients	
Standard Error:	4050000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.150264	4.0	1198958.0	1.20211	Y
2	IC 480-604656/4	0.5	0.606153	4.0	1275012.0	1.212305	Y
3	IC 480-604656/5	1.0	1.300767	4.0	1226787.0	1.300767	Y
4	IC 480-604656/6	2.0	2.628639	4.0	1312390.0	1.31432	Y
5	ICIS 480-604656/7	4.0	5.455699	4.0	1287219.0	1.363925	Y
6	IC 480-604656/8	8.0	11.051658	4.0	1333574.0	1.381457	Y
7	IC 480-604656/9	12.0	16.223518	4.0	1339129.0	1.35196	Y
8	IC 480-604656/10	16.0	22.27135	4.0	1288557.0	1.391959	Y



Calibration

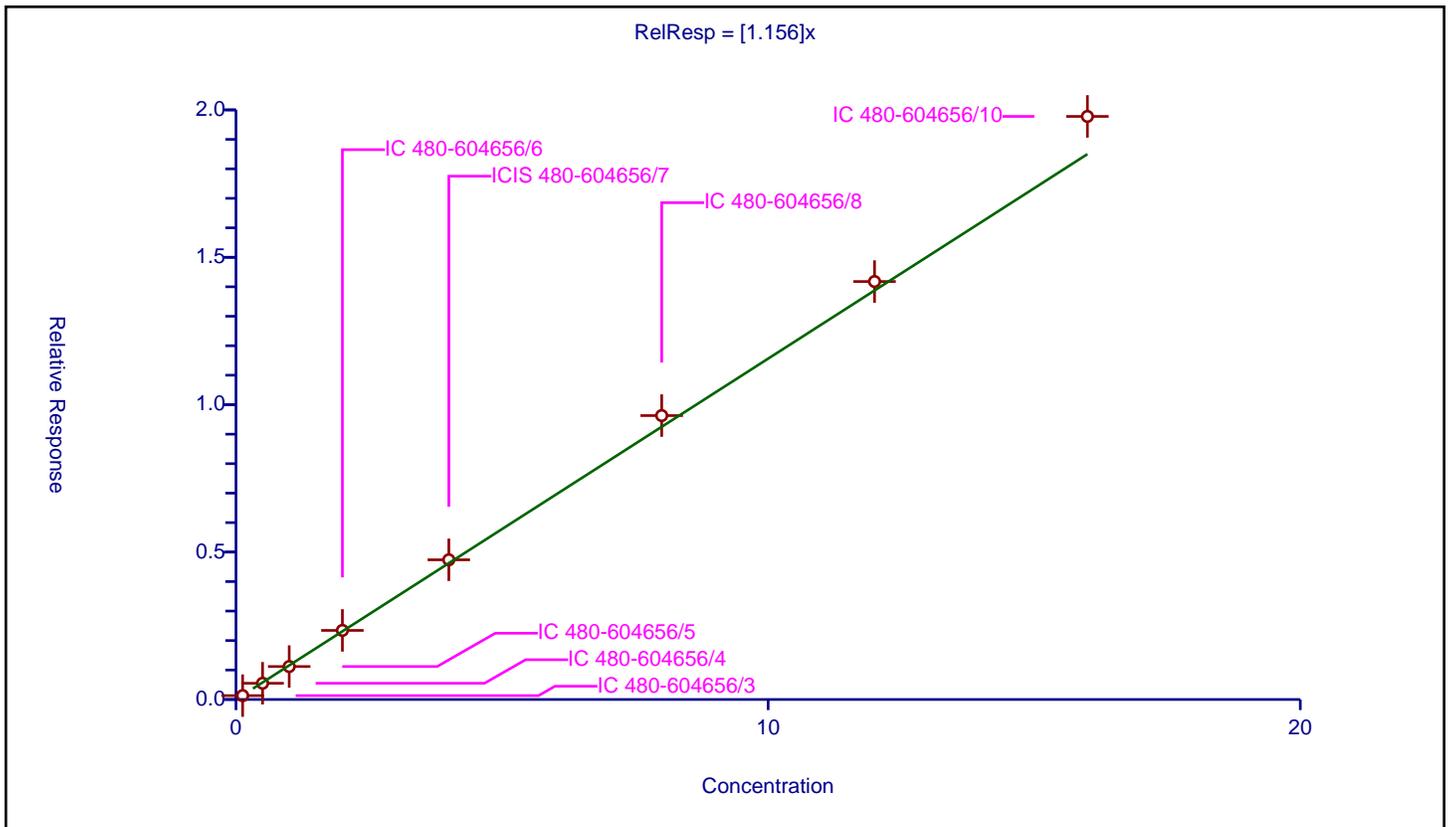
/ Dibenz(a,h)anthracene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.156

Error Coefficients	
Standard Error:	3310000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.131501	4.0	1198958.0	1.052007	Y
2	IC 480-604656/4	0.5	0.550897	4.0	1275012.0	1.101794	Y
3	IC 480-604656/5	1.0	1.11817	4.0	1226787.0	1.11817	Y
4	IC 480-604656/6	2.0	2.343099	4.0	1312390.0	1.17155	Y
5	ICIS 480-604656/7	4.0	4.738858	4.0	1287219.0	1.184714	Y
6	IC 480-604656/8	8.0	9.630152	4.0	1333574.0	1.203769	Y
7	IC 480-604656/9	12.0	14.17804	4.0	1339129.0	1.181503	Y
8	IC 480-604656/10	16.0	19.778673	4.0	1288557.0	1.236167	Y



Calibration

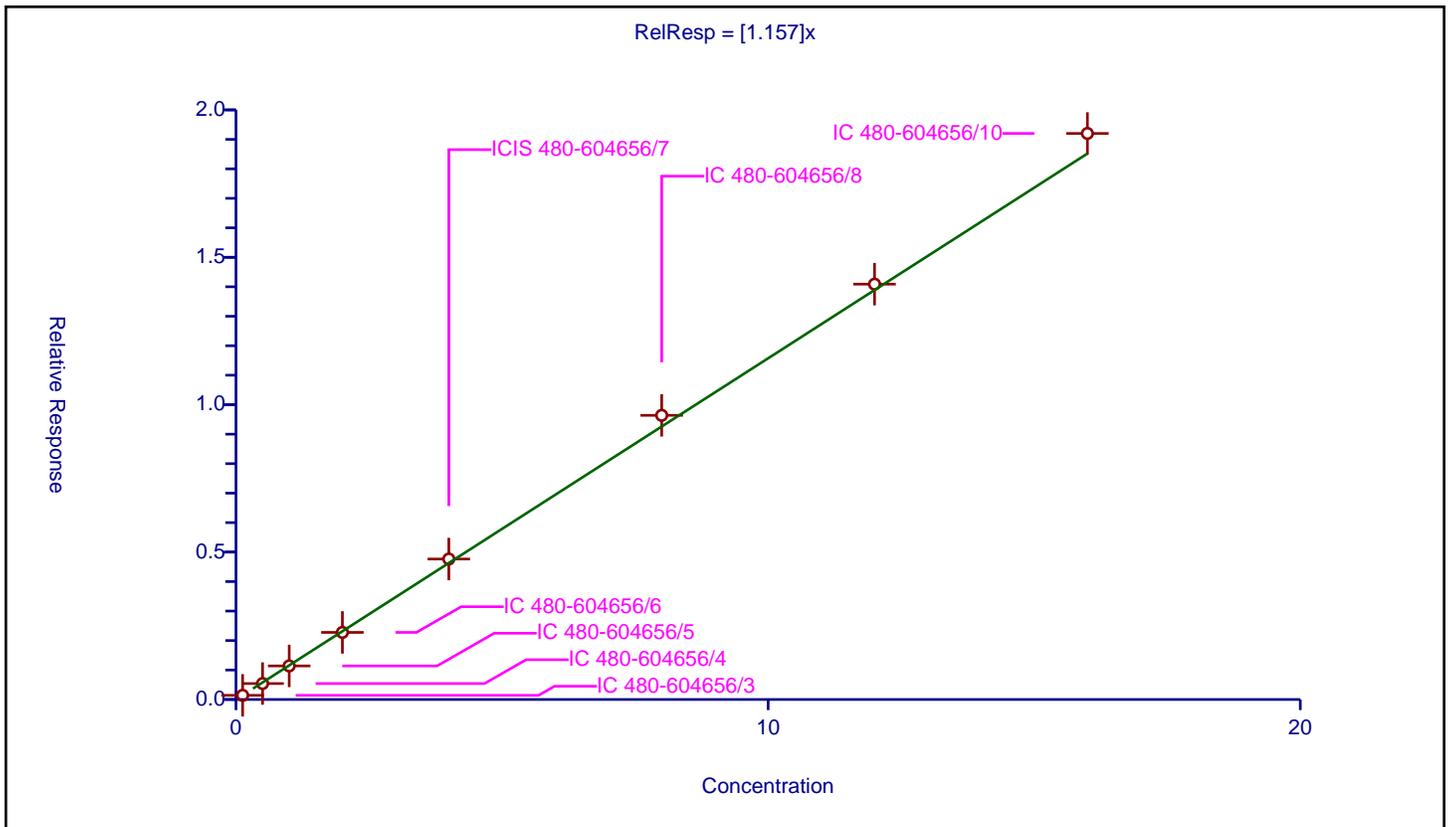
/ Benzo[g,h,i]perylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.157

Error Coefficients	
Standard Error:	3250000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 480-604656/3	0.125	0.141246	4.0	1198958.0	1.129968	Y
2	IC 480-604656/4	0.5	0.540745	4.0	1275012.0	1.081489	Y
3	IC 480-604656/5	1.0	1.139435	4.0	1226787.0	1.139435	Y
4	IC 480-604656/6	2.0	2.276211	4.0	1312390.0	1.138105	Y
5	ICIS 480-604656/7	4.0	4.764582	4.0	1287219.0	1.191145	Y
6	IC 480-604656/8	8.0	9.638838	4.0	1333574.0	1.204855	Y
7	IC 480-604656/9	12.0	14.088623	4.0	1339129.0	1.174052	Y
8	IC 480-604656/10	16.0	19.200349	4.0	1288557.0	1.200022	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID (1): ICIS 480-604656/7 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 11/12/2021 13:12

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.88	19.80

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID (1): ICIS 480-606072/7 Instrument ID (1): HP5973W

GC Column (1): RXI-5Sil MS ID: 0.25 (mm) Date Analyzed (1): 11/22/2021 16:52

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.75	20.10

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID (1): CCVIS 480-606080/3 Instrument ID (1): HP5973W

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/23/2021 03:45

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.74	20.50

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID (1): CCVIS 480-607022/3 Instrument ID (1): HP5973Y

GC Column (1): RXI-5Sil MS ID: 0.25(mm) Date Analyzed (1): 11/30/2021 13:40

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	14.64	21.40

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-606072/11 Calibration Date: 11/22/2021 18:42
 Instrument ID: HP5973W Calib Start Date: 11/22/2021 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/22/2021 18:14
 Lab File ID: W10018144.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5662	0.5803	0.0100	4100	4000	2.5	30.0
N-Nitrosodimethylamine	Ave	0.6729	0.6879	0.0100	4090	4000	2.2	50.0
Pyridine	Ave	0.9724	0.9805	0.0100	8070	8000	0.8	50.0
Benzaldehyde	Ave	1.107	1.207	0.0100	8720	8000	9.0	50.0
Phenol	Ave	1.728	1.821	0.8000	4210	4000	5.4	30.0
Aniline	Ave	2.043	2.111	0.0100	4130	4000	3.3	30.0
Bis(2-chloroethyl)ether	Ave	1.467	1.517	0.7000	4140	4000	3.4	30.0
2-Chlorophenol	Ave	1.370	1.450	0.8000	4230	4000	5.8	30.0
n-Decane	Ave	1.732	1.777	0.0100	4100	4000	2.6	30.0
1,3-Dichlorobenzene	Ave	1.547	1.621	0.0100	4190	4000	4.8	30.0
1,4-Dichlorobenzene	Ave	1.578	1.640	0.0100	4160	4000	4.0	30.0
Benzyl alcohol	Ave	0.8711	0.9214	0.0100	4230	4000	5.8	30.0
1,2-Dichlorobenzene	Ave	1.481	1.513	0.0100	4090	4000	2.2	30.0
2-Methylphenol	Ave	1.250	1.307	0.7000	4180	4000	4.6	30.0
bis (2-chloroisopropyl) ether	Ave	2.029	2.094	0.0100	4130	4000	3.2	30.0
Indene	Ave	0.5934	0.6016	0.0100	20300	20000	1.4	30.0
4-Methylphenol	Ave	1.300	1.375	0.6000	4230	4000	5.8	30.0
N-Nitrosodi-n-propylamine	Ave	0.9222	0.9818	0.5000	4260	4000	6.5	30.0
Acetophenone	Ave	1.880	1.989	0.0100	4230	4000	5.8	30.0
Hexachloroethane	Ave	0.6123	0.6315	0.3000	4130	4000	3.1	30.0
Nitrobenzene	Ave	0.3539	0.3719	0.2000	4200	4000	5.1	30.0
Isophorone	Ave	0.6501	0.6964	0.4000	4290	4000	7.1	30.0
2,4-Dimethylphenol	Ave	0.3479	0.3455	0.2000	3970	4000	-0.7	30.0
2-Nitrophenol	Lin2		0.1837	0.1000	4250	4000	6.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.4173	0.4355	0.3000	4170	4000	4.4	30.0
Benzoic acid	Lin1		0.2337	0.0100	20100	20000	0.6	50.0
2,4-Dichlorophenol	Ave	0.2873	0.3054	0.2000	4250	4000	6.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3211	0.3451	0.0100	4300	4000	7.5	30.0
Naphthalene	Ave	1.024	1.070	0.7000	4180	4000	4.5	30.0
4-Chloroaniline	Ave	0.3881	0.3922	0.0100	4040	4000	1.1	30.0
2,6-Dichlorophenol	Ave	0.2874	0.2978	0.0100	4150	4000	3.6	30.0
Hexachlorobutadiene	Ave	0.2072	0.2211	0.0100	4270	4000	6.7	30.0
Caprolactam	Lin2		0.1064	0.0100	8290	8000	3.6	50.0
4-Chloro-3-methylphenol	Ave	0.2811	0.2995	0.2000	4260	4000	6.5	30.0
2-Methylnaphthalene	Ave	0.6772	0.6847	0.4000	4040	4000	1.1	30.0
1-Methylnaphthalene	Ave	0.6231	0.6532	0.0100	4190	4000	4.8	30.0
Hexachlorocyclopentadiene	Ave	0.3957	0.3853	0.0500	3890	4000	-2.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5691	0.5970	0.0100	4200	4000	4.9	30.0
2,4,6-Trichlorophenol	Lin2		0.3881	0.2000	4020	4000	0.5	30.0
2,4,5-Trichlorophenol	Lin2		0.3963	0.2000	4220	4000	5.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-606072/11 Calibration Date: 11/22/2021 18:42
 Instrument ID: HP5973W Calib Start Date: 11/22/2021 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/22/2021 18:14
 Lab File ID: W10018144.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.419	1.521	0.0100	4290	4000	7.2	30.0
2-Chloronaphthalene	Ave	1.110	1.186	0.8000	4270	4000	6.8	30.0
2-Nitroaniline	Lin2		0.3445	0.0100	4350	4000	8.6	30.0
Dimethyl phthalate	Ave	1.191	1.321	0.0100	4440	4000	10.9	30.0
1,3-Dinitrobenzene	Lin2		0.1136	0.0100	4340	4000	8.4	30.0
2,6-Dinitrotoluene	Lin2		0.2947	0.2000	4270	4000	6.8	30.0
Acenaphthylene	Lin2		1.781	0.9000	4360	4000	9.0	30.0
3-Nitroaniline	Lin2		0.3047	0.0100	4230	4000	5.6	30.0
2,4-Dinitrophenol	Lin1		0.1480	0.0100	8260	8000	3.2	30.0
Acenaphthene	Ave	1.125	1.211	0.9000	4310	4000	7.7	30.0
4-Nitrophenol	Lin2		0.1775	0.0100	8450	8000	5.6	30.0
2,4-Dinitrotoluene	Lin2		0.3855	0.2000	4300	4000	7.5	30.0
Dibenzofuran	Ave	1.504	1.639	0.8000	4360	4000	9.0	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3293	0.0100	4250	4000	6.4	30.0
Hexadecane	Ave	0.8466	0.9167	0.0100	4330	4000	8.3	30.0
Diethyl phthalate	Ave	1.208	1.304	0.0100	4320	4000	7.9	30.0
4-Chlorophenyl phenyl ether	Ave	0.6404	0.6803	0.4000	4250	4000	6.2	30.0
4-Nitroaniline	Lin2		0.3084	0.0100	4350	4000	8.8	30.0
Fluorene	Ave	1.237	1.317	0.9000	4260	4000	6.4	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1236	0.0100	8790	8000	9.9	30.0
Diphenylamine	Ave	0.6032	0.6281	0.0100	3560	3420	4.1	30.0
N-Nitrosodiphenylamine	Ave	0.5157	0.5370	0.0100	4170	4000	4.1	30.0
1,2-Diphenylhydrazine	Ave	1.220	1.345	0.0100	4410	4000	10.2	30.0
trans-Azobenzene	Ave	0.7212	0.7686	0.0100	4260	4000	6.6	30.0
4-Bromophenyl phenyl ether	Ave	0.2172	0.2234	0.1000	4120	4000	2.9	30.0
Hexachlorobenzene	Ave	0.2580	0.2662	0.1000	4130	4000	3.2	30.0
Atrazine	Ave	0.3621	0.3790	0.0100	8370	8000	4.7	30.0
n-Octadecane	Ave	0.4963	0.5178	0.0100	4170	4000	4.3	30.0
Pentachlorophenol	Lin2		0.1498	0.0500	8420	8000	5.3	30.0
Phenanthrene	Ave	1.065	1.129	0.7000	4240	4000	6.0	30.0
Anthracene	Ave	1.026	1.110	0.7000	4330	4000	8.2	30.0
Carbazole	Lin1		0.6899	0.0100	3660	4000	-8.5	30.0
Di-n-butyl phthalate	Ave	1.103	1.242	0.0100	4510	4000	12.6	30.0
Fluoranthene	Ave	1.093	1.218	0.6000	4460	4000	11.4	30.0
Benzidine	Ave	0.3065	0.2288	0.0100	5970	8000	-25.3	50.0
Pyrene	Ave	1.261	1.354	0.6000	4300	4000	7.4	30.0
Butyl benzyl phthalate	Lin2		0.6011	0.0100	4210	4000	5.2	30.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8392	0.0100	4130	4000	3.2	30.0
3,3'-Dichlorobenzidine	Ave	0.4098	0.3885	0.0100	7580	8000	-5.2	50.0
Benzo[a]anthracene	Ave	1.247	1.313	0.8000	4210	4000	5.2	30.0
Chrysene	Ave	1.187	1.203	0.7000	4050	4000	1.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-606072/11 Calibration Date: 11/22/2021 18:42
 Instrument ID: HP5973W Calib Start Date: 11/22/2021 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/22/2021 18:14
 Lab File ID: W10018144.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		1.354	0.0100	4170	4000	4.3	30.0
Benzo[b]fluoranthene	Ave	1.176	1.231	0.7000	4190	4000	4.7	30.0
Benzo[k]fluoranthene	Ave	1.176	1.301	0.7000	4420	4000	10.6	30.0
Benzo[a]pyrene	Lin2		1.164	0.7000	4110	4000	2.8	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.439	0.5000	4280	4000	7.1	30.0
Dibenz(a,h)anthracene	Ave	1.162	1.238	0.4000	4260	4000	6.5	30.0
Benzo[g,h,i]perylene	Ave	1.160	1.239	0.5000	4270	4000	6.8	30.0
2-Fluorophenol (Surr)	Ave	1.302	1.352	0.0100	8310	8000	3.8	30.0
Phenol-d5 (Surr)	Ave	1.636	1.734	0.0100	8480	8000	5.9	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3871	0.4048	0.0100	4180	4000	4.6	30.0
2-Fluorobiphenyl (Surr)	Ave	1.267	1.367	0.0100	4320	4000	8.0	30.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1257	0.0100	7930	8000	-0.9	30.0
p-Terphenyl-d14 (Surr)	Ave	0.9774	1.003	0.0100	4100	4000	2.6	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018144.d
 Lims ID: ICV L1
 Client ID:
 Sample Type: ICV
 Inject. Date: 22-Nov-2021 18:42:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-011
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist:
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:09:00 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp

Date: 23-Nov-2021 12:07:03

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.579	-0.005	96	226918	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.669	0.000	99	919126	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.154	0.000	93	517086	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.409	0.001	97	904655	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	819474	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.367	0.000	98	799743	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	94	613603	8.00	8.31	
\$ 8 Phenol-d5	99	6.221	6.221	0.000	99	786788	8.00	8.48	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	372085	4.00	4.18	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	100	707089	4.00	4.32	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.811	0.000	94	227436	8.00	7.93	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	821890	4.00	4.10	
14 1,4-Dioxane	88	3.620	3.619	0.001	98	131683	4.00	4.10	
15 N-Nitrosodimethylamine	42	4.010	4.009	0.001	93	156107	4.00	4.09	
16 Pyridine	52	4.052	4.057	-0.005	92	444991	8.00	8.07	
36 Benzaldehyde	77	6.200	6.200	0.000	96	547658	8.00	8.72	
37 Phenol	94	6.232	6.232	0.000	98	413249	4.00	4.21	
38 Aniline	93	6.285	6.285	0.000	97	478949	4.00	4.13	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	94	344196	4.00	4.14	
41 2-Chlorophenol	128	6.397	6.397	0.000	97	328940	4.00	4.23	
43 n-Decane	57	6.408	6.408	0.000	91	403198	4.00	4.10	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	98	367843	4.00	4.19	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	93	372241	4.00	4.16	
46 Benzyl alcohol	108	6.675	6.675	0.000	92	209084	4.00	4.23	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	95	343377	4.00	4.09	
49 2-Methylphenol	108	6.755	6.755	0.000	95	296674	4.00	4.18	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	94	475254	4.00	4.13	
48 Indene	115	6.803	6.803	0.000	90	2764710	20.0	20.3	
56 4-Methylphenol	108	6.878	6.878	0.000	97	311902	4.00	4.23	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	90	222793	4.00	4.26	
53 Acetophenone	105	6.905	6.905	0.000	98	451407	4.00	4.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.023	7.022	0.001	95	143297	4.00	4.13	
61 Nitrobenzene	77	7.060	7.060	0.000	88	341857	4.00	4.20	
63 Isophorone	82	7.252	7.252	0.000	99	640098	4.00	4.29	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	90	317595	4.00	3.97	
67 2-Nitrophenol	139	7.332	7.332	0.000	72	168856	4.00	4.25	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	99	400274	4.00	4.17	
72 Benzoic acid	105	7.429	7.423	0.006	89	1073819	20.0	20.1	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	93	280725	4.00	4.25	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	317172	4.00	4.30	
76 Naphthalene	128	7.685	7.685	0.000	98	983360	4.00	4.18	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	360442	4.00	4.04	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	97	273756	4.00	4.15	
81 Hexachlorobutadiene	225	7.781	7.781	0.000	94	203208	4.00	4.27	
84 Caprolactam	113	8.000	8.000	0.000	79	195524	8.00	8.29	
87 4-Chloro-3-methylphenol	107	8.086	8.085	0.001	96	275282	4.00	4.26	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	629313	4.00	4.04	
91 1-Methylnaphthalene	142	8.353	8.353	0.000	93	600362	4.00	4.19	
93 Hexachlorocyclopentadiene	237	8.401	8.401	0.000	94	199233	4.00	3.89	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	308690	4.00	4.20	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	93	200695	4.00	4.02	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	94	204941	4.00	4.22	
97 1,1'-Biphenyl	154	8.647	8.646	0.001	95	786628	4.00	4.29	
98 2-Chloronaphthalene	162	8.679	8.678	0.001	97	613217	4.00	4.27	
100 2-Nitroaniline	65	8.743	8.743	0.000	84	178137	4.00	4.35	
104 Dimethyl phthalate	163	8.866	8.865	0.001	99	683209	4.00	4.44	
105 1,3-Dinitrobenzene	168	8.908	8.908	0.000	88	104405	4.00	4.34	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	96	152408	4.00	4.27	
107 Acenaphthylene	152	9.037	9.036	0.001	98	920902	4.00	4.36	
108 3-Nitroaniline	138	9.085	9.084	0.001	95	157547	4.00	4.23	
110 2,4-Dinitrophenol	184	9.165	9.165	0.000	86	153086	8.00	8.26	
109 Acenaphthene	153	9.181	9.181	0.000	94	626324	4.00	4.31	
111 4-Nitrophenol	109	9.186	9.186	0.000	92	183581	8.00	8.45	
113 2,4-Dinitrotoluene	165	9.272	9.271	0.001	94	199346	4.00	4.30	
114 Dibenzofuran	168	9.320	9.320	0.000	96	847306	4.00	4.36	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	170268	4.00	4.25	
120 Hexadecane	57	9.448	9.448	0.000	92	473999	4.00	4.33	
119 Diethyl phthalate	149	9.453	9.453	0.000	99	674450	4.00	4.32	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	93	351790	4.00	4.25	
125 4-Nitroaniline	138	9.597	9.597	0.000	85	159477	4.00	4.35	
123 Fluorene	166	9.614	9.608	0.006	94	681028	4.00	4.26	
126 4,6-Dinitro-2-methylphenol	198	9.624	9.624	0.000	93	223632	8.00	8.79	
128 Diphenylamine	169	9.678	9.677	0.001	95	485841	3.42	3.56	
129 N-Nitrosodiphenylamine	169	9.678	9.677	0.001	99	485841	4.00	4.17	
130 1,2-Diphenylhydrazine	77	9.720	9.720	0.000	100	695314	4.00	4.41	
131 Azobenzene	77	9.720	9.720	0.000	99	695314	4.00	4.26	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	65	202127	4.00	4.12	
138 Hexachlorobenzene	284	10.089	10.089	0.000	95	240854	4.00	4.13	
141 Atrazine	200	10.094	10.094	0.000	94	391907	8.00	8.37	
146 n-Octadecane	57	10.212	10.212	0.000	94	468473	4.00	4.17	
143 Pentachlorophenol	266	10.239	10.233	0.006	92	270968	8.00	8.42	
149 Phenanthrene	178	10.426	10.431	-0.005	98	1021285	4.00	4.24	
150 Anthracene	178	10.474	10.473	0.001	97	1003833	4.00	4.33	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	96	624145	4.00	3.66	
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	1123741	4.00	4.51	
161 Fluoranthene	202	11.473	11.472	0.001	97	1101598	4.00	4.46	
164 Benzidine	184	11.553	11.553	0.000	99	375002	8.00	5.97	
165 Pyrene	202	11.708	11.708	0.000	97	1109708	4.00	4.30	
172 Butyl benzyl phthalate	149	12.306	12.306	0.000	98	492597	4.00	4.21	
180 Bis(2-ethylhexyl) phthalate	149	13.017	13.016	0.001	97	687672	4.00	4.13	
177 3,3'-Dichlorobenzidine	252	13.043	13.043	0.000	73	636663	8.00	7.58	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	98	1075701	4.00	4.21	
181 Chrysene	228	13.177	13.177	0.000	96	985761	4.00	4.05	
184 Di-n-octyl phthalate	149	13.973	13.973	0.000	99	1109756	4.00	4.17	
186 Benzo[b]fluoranthene	252	14.747	14.747	0.000	97	984496	4.00	4.19	
187 Benzo[k]fluoranthene	252	14.785	14.785	0.000	99	1040387	4.00	4.42	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	77	930797	4.00	4.11	
193 Indeno[1,2,3-cd]pyrene	276	17.210	17.210	0.000	98	1150716	4.00	4.28	
194 Dibenz(a,h)anthracene	278	17.226	17.226	0.000	91	990049	4.00	4.26	
195 Benzo[g,h,i]perylene	276	17.760	17.755	0.005	98	990591	4.00	4.27	

QC Flag Legend

Processing Flags

Reagents:

MB_L1SSLV_WRK_00043

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-606080/3 Calibration Date: 11/23/2021 03:45
 Instrument ID: HP5973W Calib Start Date: 11/22/2021 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/22/2021 18:14
 Lab File ID: W10018164.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5662	0.5913	0.0100	4180	4000	4.4	20.0
N-Nitrosodimethylamine	Ave	0.6729	0.6971	0.0100	4140	4000	3.6	50.0
Pyridine	Ave	0.9724	0.9895	0.0100	8140	8000	1.8	50.0
Benzaldehyde	Ave	1.107	1.243	0.0100	8980	8000	12.3	50.0
Phenol	Ave	1.728	1.735	0.8000	4010	4000	0.4	20.0
Aniline	Ave	2.043	2.127	0.0100	4160	4000	4.1	20.0
Bis(2-chloroethyl)ether	Ave	1.467	1.494	0.7000	4070	4000	1.9	20.0
2-Chlorophenol	Ave	1.370	1.429	0.8000	4170	4000	4.3	20.0
n-Decane	Ave	1.732	1.741	0.0100	4020	4000	0.5	20.0
1,3-Dichlorobenzene	Ave	1.547	1.612	0.0100	4170	4000	4.2	20.0
1,4-Dichlorobenzene	Ave	1.578	1.608	0.0100	4080	4000	1.9	20.0
Benzyl alcohol	Ave	0.8711	0.8690	0.0100	3990	4000	-0.2	20.0
1,2-Dichlorobenzene	Ave	1.481	1.522	0.0100	4110	4000	2.7	20.0
2-Methylphenol	Ave	1.250	1.336	0.7000	4280	4000	6.9	20.0
bis (2-chloroisopropyl) ether	Ave	2.029	2.039	0.0100	4020	4000	0.5	20.0
Indene	Ave	0.5934	0.5979	0.0100	20200	20000	0.8	20.0
4-Methylphenol	Ave	1.300	1.340	0.6000	4120	4000	3.1	20.0
N-Nitrosodi-n-propylamine	Ave	0.9222	0.9535	0.5000	4140	4000	3.4	20.0
Acetophenone	Ave	1.880	1.924	0.0100	4090	4000	2.3	20.0
Hexachloroethane	Ave	0.6123	0.6351	0.3000	4150	4000	3.7	20.0
Nitrobenzene	Ave	0.3539	0.3788	0.2000	4280	4000	7.1	20.0
Isophorone	Ave	0.6501	0.7136	0.4000	4390	4000	9.8	20.0
2,4-Dimethylphenol	Ave	0.3479	0.3633	0.2000	4180	4000	4.4	20.0
2-Nitrophenol	Lin2		0.1863	0.1000	4310	4000	7.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.4173	0.4418	0.3000	4240	4000	5.9	20.0
Benzoic acid	Lin1		0.2253	0.0100	19500	20000	-2.6	50.0
2,4-Dichlorophenol	Ave	0.2873	0.3019	0.2000	4200	4000	5.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3211	0.3366	0.0100	4190	4000	4.8	20.0
Naphthalene	Ave	1.024	1.092	0.7000	4270	4000	6.7	20.0
4-Chloroaniline	Ave	0.3881	0.3878	0.0100	4000	4000	-0.0	20.0
2,6-Dichlorophenol	Ave	0.2874	0.3017	0.0100	4200	4000	5.0	20.0
Hexachlorobutadiene	Ave	0.2072	0.2200	0.0100	4250	4000	6.2	20.0
Caprolactam	Lin2		0.1168	0.0100	9080	8000	13.5	50.0
4-Chloro-3-methylphenol	Ave	0.2811	0.2990	0.2000	4250	4000	6.3	20.0
2-Methylnaphthalene	Ave	0.6772	0.7191	0.4000	4250	4000	6.2	20.0
1-Methylnaphthalene	Ave	0.6231	0.6638	0.0100	4260	4000	6.5	20.0
Hexachlorocyclopentadiene	Ave	0.3957	0.3972	0.0500	4010	4000	0.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5691	0.5858	0.0100	4120	4000	2.9	20.0
2,4,6-Trichlorophenol	Lin2		0.3686	0.2000	3820	4000	-4.4	20.0
2,4,5-Trichlorophenol	Lin2		0.3815	0.2000	4070	4000	1.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-606080/3 Calibration Date: 11/23/2021 03:45
 Instrument ID: HP5973W Calib Start Date: 11/22/2021 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/22/2021 18:14
 Lab File ID: W10018164.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.419	1.516	0.0100	4270	4000	6.8	20.0
2-Chloronaphthalene	Ave	1.110	1.177	0.8000	4240	4000	6.0	20.0
2-Nitroaniline	Lin2		0.3236	0.0100	4090	4000	2.3	20.0
Dimethyl phthalate	Ave	1.191	1.304	0.0100	4380	4000	9.5	20.0
1,3-Dinitrobenzene	Lin2		0.1095	0.0100	4190	4000	4.7	20.0
2,6-Dinitrotoluene	Lin2		0.2915	0.2000	4230	4000	5.7	20.0
Acenaphthylene	Lin2		1.786	0.9000	4370	4000	9.3	20.0
3-Nitroaniline	Lin2		0.3017	0.0100	4190	4000	4.7	20.0
2,4-Dinitrophenol	Lin1		0.1223	0.0100	6980	8000	-12.8	20.0
Acenaphthene	Ave	1.125	1.195	0.9000	4250	4000	6.3	20.0
4-Nitrophenol	Lin2		0.1610	0.0100	7700	8000	-3.7	20.0
2,4-Dinitrotoluene	Lin2		0.3778	0.2000	4220	4000	5.4	20.0
Dibenzofuran	Ave	1.504	1.605	0.8000	4270	4000	6.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3185	0.0100	4120	4000	3.0	20.0
Hexadecane	Ave	0.8466	0.8975	0.0100	4240	4000	6.0	20.0
Diethyl phthalate	Ave	1.208	1.272	0.0100	4210	4000	5.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6404	0.6708	0.4000	4190	4000	4.8	20.0
4-Nitroaniline	Lin2		0.3028	0.0100	4270	4000	6.8	20.0
Fluorene	Ave	1.237	1.326	0.9000	4280	4000	7.1	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1068	0.0100	7680	8000	-4.1	20.0
Diphenylamine	Ave	0.6032	0.6318	0.0100	3580	3420	4.7	20.0
N-Nitrosodiphenylamine	Ave	0.5157	0.5402	0.0100	4190	4000	4.7	20.0
1,2-Diphenylhydrazine	Ave	1.220	1.308	0.0100	4290	4000	7.2	20.0
trans-Azobenzene	Ave	0.7212	0.7678	0.0100	4260	4000	6.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2172	0.2257	0.1000	4160	4000	4.0	20.0
Hexachlorobenzene	Ave	0.2580	0.2592	0.1000	4020	4000	0.4	20.0
Atrazine	Ave	0.3621	0.3979	0.0100	8790	8000	9.9	20.0
n-Octadecane	Ave	0.4963	0.5336	0.0100	4300	4000	7.5	20.0
Pentachlorophenol	Lin2		0.1478	0.0500	8320	8000	4.0	20.0
Phenanthrene	Ave	1.065	1.115	0.7000	4190	4000	4.7	20.0
Anthracene	Ave	1.026	1.136	0.7000	4430	4000	10.8	20.0
Carbazole	Lin1		0.9299	0.0100	4970	4000	24.2*	20.0
Di-n-butyl phthalate	Ave	1.103	1.270	0.0100	4610	4000	15.1	20.0
Fluoranthene	Ave	1.093	1.231	0.6000	4500	4000	12.6	20.0
Benzidine	Ave	0.3065	0.3420	0.0100	8930	8000	11.6	50.0
Pyrene	Ave	1.261	1.363	0.6000	4320	4000	8.1	20.0
Butyl benzyl phthalate	Lin2		0.6112	0.0100	4280	4000	6.9	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.8566	0.0100	4210	4000	5.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4098	0.4044	0.0100	7890	8000	-1.3	50.0
Benzo[a]anthracene	Ave	1.247	1.322	0.8000	4240	4000	6.0	20.0
Chrysene	Ave	1.187	1.252	0.7000	4220	4000	5.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-606080/3 Calibration Date: 11/23/2021 03:45
 Instrument ID: HP5973W Calib Start Date: 11/22/2021 15:02
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/22/2021 18:14
 Lab File ID: W10018164.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		1.448	0.0100	4450	4000	11.2	20.0
Benzo[b]fluoranthene	Ave	1.176	1.253	0.7000	4260	4000	6.6	20.0
Benzo[k]fluoranthene	Ave	1.176	1.262	0.7000	4290	4000	7.3	20.0
Benzo[a]pyrene	Lin2		1.207	0.7000	4270	4000	6.6	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.439	0.5000	4290	4000	7.2	20.0
Dibenz(a,h)anthracene	Ave	1.162	1.267	0.4000	4360	4000	9.0	20.0
Benzo[g,h,i]perylene	Ave	1.160	1.257	0.5000	4330	4000	8.3	20.0
2-Fluorophenol (Surr)	Ave	1.302	1.340	0.0100	4120	4000	2.9	20.0
Phenol-d5 (Surr)	Ave	1.636	1.638	0.0100	4000	4000	0.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3871	0.4060	0.0100	4200	4000	4.9	20.0
2-Fluorobiphenyl (Surr)	Ave	1.267	1.269	0.0100	4010	4000	0.2	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1209	0.0100	3880	4000	-2.9	20.0
p-Terphenyl-d14 (Surr)	Ave	0.9774	1.039	0.0100	4250	4000	6.3	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018164.d
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 23-Nov-2021 03:45:30 ALS Bottle#: 31 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-003
 Operator ID: PJQ Instrument ID: HP5973W
 Sublist: chrom-W-LVI-8270*sub55
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 13:47:11 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: quirkp

Date: 23-Nov-2021 13:47:11

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	6.574	6.574	0.000	97	242427	4.00	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	100	963580	4.00	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	93	557939	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.410	0.000	97	952107	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	873871	4.00	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	882594	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.420	5.420	0.000	93	324806	4.00	4.12	
\$ 8 Phenol-d5	99	6.221	6.221	0.000	98	396980	4.00	4.00	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	391236	4.00	4.20	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	99	707783	4.00	4.01	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.811	0.000	93	115093	4.00	3.88	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	908027	4.00	4.25	
14 1,4-Dioxane	88	3.620	3.620	0.000	99	143341	4.00	4.18	
15 N-Nitrosodimethylamine	42	4.010	4.010	0.000	92	168989	4.00	4.14	
16 Pyridine	52	4.052	4.052	0.000	92	479766	8.00	8.14	
36 Benzaldehyde	77	6.194	6.194	0.000	95	602488	8.00	8.98	
37 Phenol	94	6.232	6.232	0.000	98	420518	4.00	4.01	
38 Aniline	93	6.285	6.285	0.000	97	515760	4.00	4.16	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	94	362286	4.00	4.07	
41 2-Chlorophenol	128	6.398	6.398	0.000	97	346505	4.00	4.17	
43 n-Decane	57	6.408	6.408	0.000	91	421952	4.00	4.02	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	97	390896	4.00	4.17	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	93	389725	4.00	4.08	
46 Benzyl alcohol	108	6.675	6.675	0.000	93	210665	4.00	3.99	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	368922	4.00	4.11	
49 2-Methylphenol	108	6.755	6.755	0.000	94	323946	4.00	4.28	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	94	494276	4.00	4.02	
48 Indene	115	6.804	6.804	0.000	91	2880781	20.0	20.2	
56 4-Methylphenol	108	6.878	6.878	0.000	93	324844	4.00	4.12	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	89	231163	4.00	4.14	
53 Acetophenone	105	6.905	6.905	0.000	97	466352	4.00	4.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Hexachloroethane	117	7.023	7.023	0.000	94	153963	4.00	4.15	
61 Nitrobenzene	77	7.060	7.060	0.000	88	365044	4.00	4.28	
63 Isophorone	82	7.252	7.252	0.000	99	687652	4.00	4.39	
68 2,4-Dimethylphenol	107	7.332	7.332	0.000	95	350074	4.00	4.18	
67 2-Nitrophenol	139	7.332	7.332	0.000	96	179523	4.00	4.31	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	99	425722	4.00	4.24	
72 Benzoic acid	105	7.423	7.423	0.000	90	1085545	20.0	19.5	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	94	290878	4.00	4.20	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	324321	4.00	4.19	
76 Naphthalene	128	7.685	7.685	0.000	98	1052112	4.00	4.27	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	373639	4.00	4.00	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	97	290744	4.00	4.20	
81 Hexachlorobutadiene	225	7.776	7.776	0.000	95	212035	4.00	4.25	
84 Caprolactam	113	8.000	8.000	0.000	79	225107	8.00	9.08	
87 4-Chloro-3-methylphenol	107	8.091	8.091	0.000	96	288065	4.00	4.25	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	91	692916	4.00	4.25	
91 1-Methylnaphthalene	142	8.347	8.347	0.000	92	639638	4.00	4.26	
93 Hexachlorocyclopentadiene	237	8.396	8.396	0.000	96	221586	4.00	4.01	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	326821	4.00	4.12	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	94	205674	4.00	3.82	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	94	212855	4.00	4.07	
97 1,1'-Biphenyl	154	8.647	8.647	0.000	95	845717	4.00	4.27	
98 2-Chloronaphthalene	162	8.679	8.679	0.000	97	656562	4.00	4.24	
100 2-Nitroaniline	65	8.743	8.743	0.000	85	180524	4.00	4.09	
104 Dimethyl phthalate	163	8.866	8.866	0.000	99	727539	4.00	4.38	
105 1,3-Dinitrobenzene	168	8.908	8.908	0.000	88	105514	4.00	4.19	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	95	162647	4.00	4.23	
107 Acenaphthylene	152	9.037	9.037	0.000	98	996214	4.00	4.37	
108 3-Nitroaniline	138	9.079	9.079	0.000	95	168351	4.00	4.19	
110 2,4-Dinitrophenol	184	9.165	9.165	0.000	85	136437	8.00	6.98	
109 Acenaphthene	153	9.181	9.181	0.000	95	666963	4.00	4.25	
111 4-Nitrophenol	109	9.191	9.191	0.000	93	179695	8.00	7.70	
113 2,4-Dinitrotoluene	165	9.272	9.272	0.000	95	210766	4.00	4.22	
114 Dibenzofuran	168	9.320	9.320	0.000	96	895403	4.00	4.27	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	177712	4.00	4.12	
120 Hexadecane	57	9.443	9.443	0.000	92	500777	4.00	4.24	
119 Diethyl phthalate	149	9.448	9.448	0.000	98	709800	4.00	4.21	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	92	374276	4.00	4.19	
125 4-Nitroaniline	138	9.598	9.598	0.000	85	168917	4.00	4.27	
123 Fluorene	166	9.608	9.608	0.000	95	739584	4.00	4.28	
126 4,6-Dinitro-2-methylphenol	198	9.619	9.619	0.000	87	203424	8.00	7.68	
128 Diphenylamine	169	9.678	9.678	0.000	95	514338	3.42	3.58	
129 N-Nitrosodiphenylamine	169	9.678	9.678	0.000	100	514338	4.00	4.19	
130 1,2-Diphenylhydrazine	77	9.715	9.715	0.000	100	729949	4.00	4.29	
131 Azobenzene	77	9.715	9.715	0.000	98	731026	4.00	4.26	
137 4-Bromophenyl phenyl ether	248	9.998	9.998	0.000	65	214935	4.00	4.16	
138 Hexachlorobenzene	284	10.084	10.084	0.000	95	246753	4.00	4.02	
141 Atrazine	200	10.094	10.094	0.000	94	444026	8.00	8.79	
146 n-Octadecane	57	10.212	10.212	0.000	93	508062	4.00	4.30	
143 Pentachlorophenol	266	10.239	10.239	0.000	92	281518	8.00	8.32	
149 Phenanthrene	178	10.426	10.426	0.000	98	1061731	4.00	4.19	
150 Anthracene	178	10.468	10.468	0.000	98	1081740	4.00	4.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
151 Carbazole	167	10.586	10.586	0.000	96	885380	4.00	4.97	
154 Di-n-butyl phthalate	149	10.810	10.810	0.000	100	1208862	4.00	4.61	
161 Fluoranthene	202	11.473	11.473	0.000	98	1171814	4.00	4.50	
164 Benzidine	184	11.553	11.553	0.000	99	597787	8.00	8.93	
165 Pyrene	202	11.708	11.708	0.000	97	1190974	4.00	4.32	
172 Butyl benzyl phthalate	149	12.301	12.301	0.000	98	534109	4.00	4.28	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	97	748597	4.00	4.21	
177 3,3'-Dichlorobenzidine	252	13.043	13.043	0.000	73	706802	8.00	7.89	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	98	1155469	4.00	4.24	
181 Chrysene	228	13.177	13.177	0.000	97	1093698	4.00	4.22	
184 Di-n-octyl phthalate	149	13.967	13.967	0.000	99	1265351	4.00	4.45	
186 Benzo[b]fluoranthene	252	14.742	14.742	0.000	97	1106284	4.00	4.26	
187 Benzo[k]fluoranthene	252	14.785	14.785	0.000	99	1113686	4.00	4.29	
189 Benzo[a]pyrene	252	15.276	15.276	0.000	77	1065529	4.00	4.27	
193 Indeno[1,2,3-cd]pyrene	276	17.210	17.210	0.000	99	1270369	4.00	4.29	
194 Dibenz(a,h)anthracene	278	17.221	17.221	0.000	91	1118438	4.00	4.36	
195 Benzo[g,h,i]perylene	276	17.755	17.755	0.000	98	1108989	4.00	4.33	

QC Flag Legend

Processing Flags

Reagents:

MB_L1LVI_WRK_00516

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018164.d

Injection Date: 23-Nov-2021 03:45:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Injection Vol: 2.0 ul

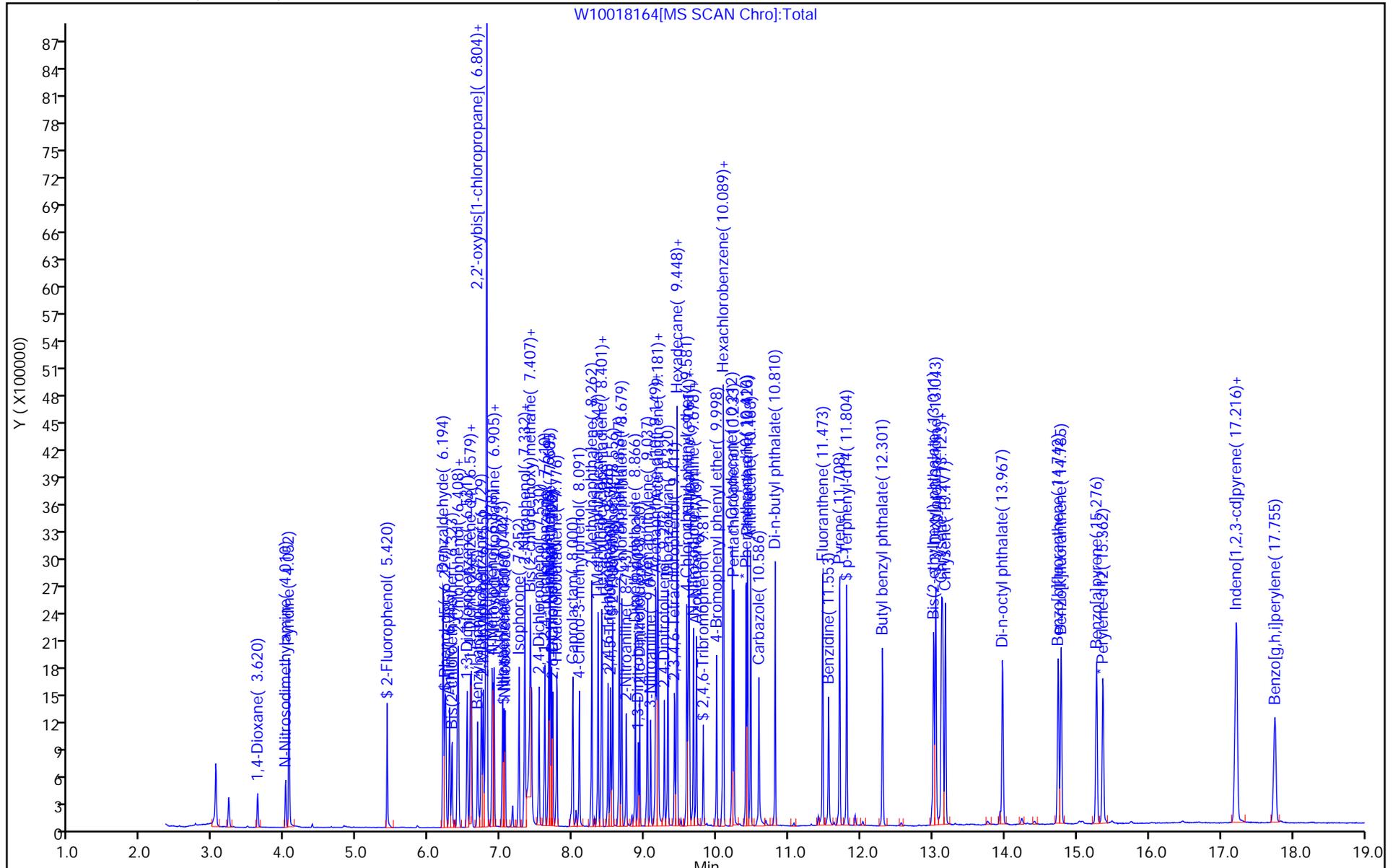
Dil. Factor: 1.0000

ALS Bottle#: 31

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604656/11 Calibration Date: 11/12/2021 15:00
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02826644.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3680	0.3884	0.0100	4220	4000	5.5	30.0
N-Nitrosodimethylamine	Ave	0.4387	0.4562	0.0100	4160	4000	4.0	50.0
Pyridine	Ave	0.4722	0.4650	0.0100	7880	8000	-1.5	50.0
Benzaldehyde	Lin2		0.8033	0.0100	9220	8000	15.2	50.0
Phenol	Ave	1.263	1.297	0.8000	4110	4000	2.7	30.0
Aniline	Ave	1.545	1.490	0.0100	3860	4000	-3.5	30.0
Bis(2-chloroethyl)ether	Ave	0.8938	0.9858	0.7000	4410	4000	10.3	30.0
2-Chlorophenol	Ave	1.229	1.277	0.8000	4160	4000	3.9	30.0
n-Decane	Ave	0.8272	0.8592	0.0100	4150	4000	3.9	30.0
1,3-Dichlorobenzene	Ave	1.480	1.487	0.0100	4020	4000	0.5	30.0
1,4-Dichlorobenzene	Ave	1.497	1.508	0.0100	4030	4000	0.7	30.0
Benzyl alcohol	Lin2		0.6862	0.0100	3970	4000	-0.7	30.0
1,2-Dichlorobenzene	Ave	1.429	1.464	0.0100	4100	4000	2.5	30.0
2-Methylphenol	Ave	1.015	1.084	0.7000	4270	4000	6.8	30.0
bis (2-chloroisopropyl) ether	Ave	0.8598	0.8894	0.0100	4140	4000	3.4	30.0
Indene	Ave	2.095	2.200	0.0100	21000	20000	5.0	30.0
4-Methylphenol	Ave	1.055	1.111	0.6000	4210	4000	5.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.5933	0.6555	0.5000	4420	4000	10.5	30.0
Acetophenone	Ave	1.446	1.532	0.0100	4240	4000	6.0	30.0
Hexachloroethane	Ave	0.5408	0.5414	0.3000	4000	4000	0.1	30.0
Nitrobenzene	Ave	0.2821	0.3060	0.2000	4340	4000	8.5	30.0
Isophorone	Lin2		0.5462	0.4000	4430	4000	10.7	30.0
2-Nitrophenol	Lin2		0.2036	0.1000	4340	4000	8.4	30.0
2,4-Dimethylphenol	Lin2		0.3197	0.2000	4220	4000	5.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.2926	0.3398	0.3000	4640	4000	16.1	30.0
Benzoic acid	Lin2		0.2023	0.0100	21600	20000	7.9	50.0
2,4-Dichlorophenol	Ave	0.2976	0.3251	0.2000	4370	4000	9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3720	0.0100	4420	4000	10.4	30.0
Naphthalene	Lin2		1.031	0.7000	4120	4000	3.0	30.0
4-Chloroaniline	Ave	0.3582	0.3920	0.0100	4380	4000	9.4	30.0
2,6-Dichlorophenol	Ave	0.3006	0.3259	0.0100	4340	4000	8.4	30.0
Hexachlorobutadiene	Ave	0.2325	0.2451	0.0100	4220	4000	5.4	30.0
Caprolactam	Lin2		0.0938	0.0100	8470	8000	5.8	50.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2791	0.2000	4390	4000	9.8	30.0
2-Methylnaphthalene	Ave	0.7072	0.7468	0.4000	4220	4000	5.6	30.0
1-Methylnaphthalene	Ave	0.6464	0.6726	0.0100	4160	4000	4.1	30.0
Hexachlorocyclopentadiene	Lin2		0.4213	0.0500	3870	4000	-3.1	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6488	0.6820	0.0100	4200	4000	5.1	30.0
2,4,6-Trichlorophenol	Lin2		0.3901	0.2000	3910	4000	-2.3	30.0
2,4,5-Trichlorophenol	Lin2		0.4168	0.2000	4170	4000	4.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604656/11 Calibration Date: 11/12/2021 15:00
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02826644.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.422	1.458	0.0100	4100	4000	2.5	30.0
2-Chloronaphthalene	Ave	1.074	1.058	0.8000	3940	4000	-1.5	30.0
2-Nitroaniline	Lin2		0.2448	0.0100	4230	4000	5.8	30.0
Dimethyl phthalate	Ave	1.192	1.299	0.0100	4360	4000	9.0	30.0
1,3-Dinitrobenzene	Lin2		0.1289	0.0100	4430	4000	10.8	30.0
2,6-Dinitrotoluene	Lin2		0.3065	0.2000	4290	4000	7.2	30.0
Acenaphthylene	Ave	1.758	1.799	0.9000	4090	4000	2.3	30.0
3-Nitroaniline	Lin2		0.2984	0.0100	4120	4000	2.9	30.0
2,4-Dinitrophenol	Lin2		0.1665	0.0100	8280	8000	3.5	30.0
Acenaphthene	Ave	1.170	1.241	0.9000	4240	4000	6.1	30.0
4-Nitrophenol	Lin2		0.1548	0.0100	8540	8000	6.8	30.0
2,4-Dinitrotoluene	Lin2		0.3976	0.2000	4110	4000	2.8	30.0
Dibenzofuran	Ave	1.611	1.633	0.8000	4060	4000	1.4	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3745	0.0100	4420	4000	10.4	30.0
Hexadecane	Ave	0.4655	0.4954	0.0100	4260	4000	6.4	30.0
Diethyl phthalate	Ave	1.207	1.254	0.0100	4160	4000	3.9	30.0
4-Chlorophenyl phenyl ether	Ave	0.6675	0.7217	0.4000	4320	4000	8.1	30.0
4-Nitroaniline	Lin2		0.3165	0.0100	4140	4000	3.6	30.0
Fluorene	Ave	1.261	1.334	0.9000	4230	4000	5.9	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1364	0.0100	8980	8000	12.2	30.0
Diphenylamine	Ave	0.5874	0.6385	0.0100	3720	3420	8.7	30.0
N-Nitrosodiphenylamine	Ave	0.5022	0.5459	0.0100	4350	4000	8.7	30.0
1,2-Diphenylhydrazine	Ave	0.5065	0.5485	0.0100	4330	4000	8.3	30.0
trans-Azobenzene	Ave	0.5065	0.5485	0.0100	4330	4000	8.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2539	0.2704	0.1000	4260	4000	6.5	30.0
Hexachlorobenzene	Ave	0.3169	0.3404	0.1000	4300	4000	7.4	30.0
Atrazine	Ave	0.3758	0.3941	0.0100	8390	8000	4.9	30.0
n-Octadecane	Ave	0.2663	0.2841	0.0100	4270	4000	6.7	30.0
Pentachlorophenol	Lin2		0.1679	0.0500	9240	8000	15.5	30.0
Phenanthrene	Ave	1.041	1.100	0.7000	4230	4000	5.7	30.0
Anthracene	Ave	1.031	1.126	0.7000	4370	4000	9.3	30.0
Carbazole	Ave	0.8834	0.9263	0.0100	4190	4000	4.9	30.0
Di-n-butyl phthalate	Ave	1.128	1.211	0.0100	4290	4000	7.3	30.0
Fluoranthene	Ave	1.157	1.249	0.6000	4320	4000	8.0	30.0
Benidine	Ave	0.5912	0.5974	0.0100	8080	8000	1.0	50.0
Pyrene	Ave	1.209	1.244	0.6000	4120	4000	3.0	30.0
Butyl benzyl phthalate	Ave	0.5048	0.5592	0.0100	4430	4000	10.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7195	0.7635	0.0100	4240	4000	6.1	30.0
3,3'-Dichlorobenzidine	Ave	0.4935	0.5147	0.0100	8340	8000	4.3	50.0
Benzo[a]anthracene	Ave	1.210	1.241	0.8000	4100	4000	2.6	30.0
Chrysene	Ave	1.152	1.206	0.7000	4190	4000	4.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: ICV 480-604656/11 Calibration Date: 11/12/2021 15:00
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02826644.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		1.261	0.0100	4090	4000	2.3	30.0
Benzo[b]fluoranthene	Ave	1.155	1.218	0.7000	4220	4000	5.4	30.0
Benzo[k]fluoranthene	Ave	1.171	1.211	0.7000	4140	4000	3.4	30.0
Benzo[a]pyrene	Ave	1.103	1.117	0.7000	4050	4000	1.3	30.0
Indeno[1,2,3-cd]pyrene	Lin2		1.413	0.5000	4210	4000	5.3	30.0
Dibenz(a,h)anthracene	Ave	1.156	1.231	0.4000	4260	4000	6.4	30.0
Benzo[g,h,i]perylene	Ave	1.157	1.206	0.5000	4170	4000	4.2	30.0
2-Fluorophenol (Surr)	Ave	1.072	1.104	0.0100	8230	8000	2.9	30.0
Phenol-d5 (Surr)	Ave	1.235	1.265	0.0100	8200	8000	2.5	30.0
Nitrobenzene-d5 (Surr)	Ave	0.3295	0.3403	0.0100	4130	4000	3.3	30.0
2-Fluorobiphenyl (Surr)	Ave	1.356	1.411	0.0100	4160	4000	4.1	30.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1652	0.0100	8210	8000	2.6	30.0
p-Terphenyl-d14 (Surr)	Ave	1.044	1.031	0.0100	3950	4000	-1.2	30.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D
 Lims ID: ICV - List 1 - 4
 Client ID:
 Sample Type: ICV
 Inject. Date: 12-Nov-2021 15:00:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-011
 Operator ID: JM Instrument ID: HP5973Y
 Sublist:

Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:59:24 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj

Date: 12-Nov-2021 15:20:31

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	6.626	6.626	0.000	92	311454	4.00	4.00	
* 2 Naphthalene-d8	136	7.718	7.716	0.002	98	1087237	4.00	4.00	
* 3 Acenaphthene-d10	164	9.208	9.205	0.003	89	676673	4.00	4.00	
* 4 Phenanthrene-d10	188	10.471	10.471	0.000	94	1201082	4.00	4.00	
* 5 Chrysene-d12	240	13.251	13.246	0.005	97	1197768	4.00	4.00	
* 6 Perylene-d12	264	15.519	15.516	0.003	98	1313357	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.482	5.482	0.000	89	687622	8.00	8.23	
\$ 8 Phenol-d5	99	6.282	6.282	0.000	0	788228	8.00	8.20	
\$ 9 Nitrobenzene-d5	82	7.094	7.094	0.000	87	370001	4.00	4.13	M
\$ 10 2-Fluorobiphenyl	172	8.606	8.603	0.003	99	954934	4.00	4.16	
\$ 11 2,4,6-Tribromophenol	330	9.872	9.872	0.000	90	396936	8.00	8.21	
\$ 12 p-Terphenyl-d14	244	11.884	11.883	0.001	96	1235416	4.00	3.95	
13 1,4-Dioxane	88	3.700	3.700	0.000	88	120963	4.00	4.22	
14 N-Nitrosodimethylamine	42	4.086	4.086	0.000	91	142087	4.00	4.16	
15 Pyridine	52	4.131	4.131	0.000	97	289627	8.00	7.88	
35 Benzaldehyde	77	6.251	6.251	0.000	93	500361	8.00	9.22	
37 Phenol	94	6.294	6.293	0.001	98	403963	4.00	4.11	
36 Aniline	93	6.339	6.342	-0.003	98	464171	4.00	3.86	
39 Bis(2-chloroethyl)ether	93	6.370	6.373	-0.003	98	307033	4.00	4.41	
40 2-Chlorophenol	128	6.453	6.449	0.004	93	397714	4.00	4.16	
41 n-Decane	57	6.455	6.455	0.000	85	267601	4.00	4.15	
43 1,3-Dichlorobenzene	146	6.583	6.583	0.000	98	463107	4.00	4.02	
44 1,4-Dichlorobenzene	146	6.640	6.642	-0.002	95	469536	4.00	4.03	
45 Benzyl alcohol	108	6.728	6.725	0.003	94	213735	4.00	3.97	
46 1,2-Dichlorobenzene	146	6.776	6.779	-0.003	98	455868	4.00	4.10	
48 2-Methylphenol	108	6.807	6.810	-0.003	93	337704	4.00	4.27	
49 2,2'-oxybis[1-chloropropane]	45	6.833	6.830	0.003	84	276995	4.00	4.14	
47 Indene	115	6.855	6.855	0.000	87	3426678	20.0	21.0	
57 4-Methylphenol	108	6.932	6.932	0.000	96	345948	4.00	4.21	
53 N-Nitrosodi-n-propylamine	70	6.941	6.940	0.001	83	204144	4.00	4.42	
52 Acetophenone	105	6.955	6.955	0.001	95	477194	4.00	4.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	7.071	7.074	-0.003	89	168636	4.00	4.00	
59 Nitrobenzene	77	7.108	7.111	-0.003	84	332707	4.00	4.34	
62 Isophorone	82	7.301	7.301	0.000	98	593832	4.00	4.43	
64 2-Nitrophenol	139	7.380	7.380	0.000	89	221321	4.00	4.34	
66 2,4-Dimethylphenol	107	7.383	7.383	0.000	91	347544	4.00	4.22	
69 Bis(2-chloroethoxy)methane	93	7.457	7.457	0.000	97	369396	4.00	4.64	
70 Benzoic acid	105	7.483	7.477	0.006	88	1099484	20.0	21.6	M
72 2,4-Dichlorophenol	162	7.582	7.582	0.000	89	353493	4.00	4.37	
73 1,2,4-Trichlorobenzene	180	7.661	7.658	0.003	94	404407	4.00	4.42	
74 Naphthalene	128	7.735	7.735	0.000	97	1121308	4.00	4.12	
76 4-Chloroaniline	127	7.758	7.755	0.003	97	426188	4.00	4.38	
77 2,6-Dichlorophenol	162	7.772	7.772	0.000	95	354343	4.00	4.34	
79 Hexachlorobutadiene	225	7.826	7.828	-0.002	94	266536	4.00	4.22	
84 Caprolactam	113	8.056	8.053	0.003	86	203885	8.00	8.47	
85 4-Chloro-3-methylphenol	107	8.144	8.143	0.001	94	303501	4.00	4.39	
87 2-Methylnaphthalene	142	8.314	8.314	0.000	93	811952	4.00	4.22	
89 1-Methylnaphthalene	142	8.402	8.402	0.000	93	731277	4.00	4.16	
90 Hexachlorocyclopentadiene	237	8.447	8.447	0.000	91	285087	4.00	3.87	
91 1,2,4,5-Tetrachlorobenzene	216	8.459	8.458	0.001	95	461459	4.00	4.20	
93 2,4,6-Trichlorophenol	196	8.541	8.544	-0.003	88	263993	4.00	3.91	
94 2,4,5-Trichlorophenol	196	8.581	8.578	0.003	95	282034	4.00	4.17	
96 1,1'-Biphenyl	154	8.697	8.697	0.000	95	986305	4.00	4.10	
97 2-Chloronaphthalene	162	8.734	8.731	0.003	95	715663	4.00	3.94	
100 2-Nitroaniline	65	8.796	8.796	0.000	92	165624	4.00	4.23	
105 Dimethyl phthalate	163	8.921	8.918	0.003	99	879314	4.00	4.36	
106 1,3-Dinitrobenzene	168	8.964	8.961	0.003	95	140136	4.00	4.43	
107 2,6-Dinitrotoluene	165	8.984	8.983	0.001	93	207383	4.00	4.29	
108 Acenaphthylene	152	9.091	9.091	0.000	97	1217330	4.00	4.09	
109 3-Nitroaniline	138	9.140	9.139	0.001	95	201898	4.00	4.12	
111 2,4-Dinitrophenol	184	9.222	9.225	-0.003	84	225322	8.00	8.28	a
110 Acenaphthene	153	9.236	9.236	0.000	93	839698	4.00	4.24	
112 4-Nitrophenol	109	9.253	9.253	0.000	83	209457	8.00	8.54	
114 2,4-Dinitrotoluene	165	9.330	9.330	0.000	94	269033	4.00	4.11	
115 Dibenzofuran	168	9.378	9.378	0.000	98	1105194	4.00	4.06	
118 2,3,4,6-Tetrachlorophenol	232	9.472	9.469	0.003	68	253389	4.00	4.42	
121 Hexadecane	57	9.497	9.497	0.000	96	335253	4.00	4.26	
120 Diethyl phthalate	149	9.506	9.506	0.000	99	848842	4.00	4.16	
123 4-Chlorophenyl phenyl ether	204	9.639	9.639	0.000	86	488368	4.00	4.32	
126 4-Nitroaniline	138	9.659	9.659	0.000	91	214160	4.00	4.14	
124 Fluorene	166	9.668	9.667	0.001	93	902999	4.00	4.23	
127 4,6-Dinitro-2-methylphenol	198	9.682	9.679	0.003	94	327710	8.00	8.98	
130 N-Nitrosodiphenylamine	169	9.733	9.733	0.000	76	655653	4.00	4.35	
129 Diphenylamine	169	9.733	9.733	0.000	93	655653	3.42	3.72	
131 1,2-Diphenylhydrazine	77	9.775	9.775	0.000	41	658790	4.00	4.33	
132 Azobenzene	77	9.775	9.775	0.000	97	658790	4.00	4.33	
139 4-Bromophenyl phenyl ether	248	10.056	10.056	0.000	58	324822	4.00	4.26	
140 Hexachlorobenzene	284	10.144	10.144	0.000	96	408880	4.00	4.30	
143 Atrazine	200	10.153	10.150	0.003	95	533315	8.00	8.39	
148 n-Octadecane	57	10.269	10.266	0.003	97	341200	4.00	4.27	
145 Pentachlorophenol	266	10.297	10.297	0.000	95	403318	8.00	9.24	
151 Phenanthrene	178	10.490	10.490	0.000	95	1321131	4.00	4.23	
152 Anthracene	178	10.533	10.533	0.000	95	1352548	4.00	4.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.649	10.649	0.000	96	1112593	4.00	4.19	
157 Di-n-butyl phthalate	149	10.871	10.870	0.001	99	1454584	4.00	4.29	
164 Fluoranthene	202	11.546	11.546	0.000	97	1500477	4.00	4.32	
166 Benzidine	184	11.628	11.631	-0.003	98	1431008	8.00	8.08	
167 Pyrene	202	11.787	11.787	0.000	97	1490617	4.00	4.12	
174 Butyl benzyl phthalate	149	12.392	12.391	0.001	93	669806	4.00	4.43	
181 Bis(2-ethylhexyl) phthalate	149	13.115	13.115	0.000	92	914452	4.00	4.24	
179 3,3'-Dichlorobenzidine	252	13.152	13.152	0.000	72	1233073	8.00	8.34	
180 Benzo[a]anthracene	228	13.234	13.234	0.000	96	1486542	4.00	4.10	
182 Chrysene	228	13.288	13.288	0.000	96	1444370	4.00	4.19	
184 Di-n-octyl phthalate	149	14.089	14.091	-0.003	98	1509800	4.00	4.09	
186 Benzo[b]fluoranthene	252	14.886	14.883	0.003	96	1599619	4.00	4.22	
187 Benzo[k]fluoranthene	252	14.928	14.928	0.000	97	1590022	4.00	4.14	
189 Benzo[a]pyrene	252	15.428	15.428	0.000	76	1467551	4.00	4.05	
193 Indeno[1,2,3-cd]pyrene	276	17.431	17.431	0.000	97	1855155	4.00	4.21	
194 Dibenz(a,h)anthracene	278	17.443	17.442	0.001	91	1616408	4.00	4.26	
195 Benzo[g,h,i]perylene	276	17.999	17.996	0.003	97	1583853	4.00	4.17	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MB_L1SSLV_WRK_00043

Amount Added: 1.00

Units: mL

MB_LLIS_WRK_00225

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

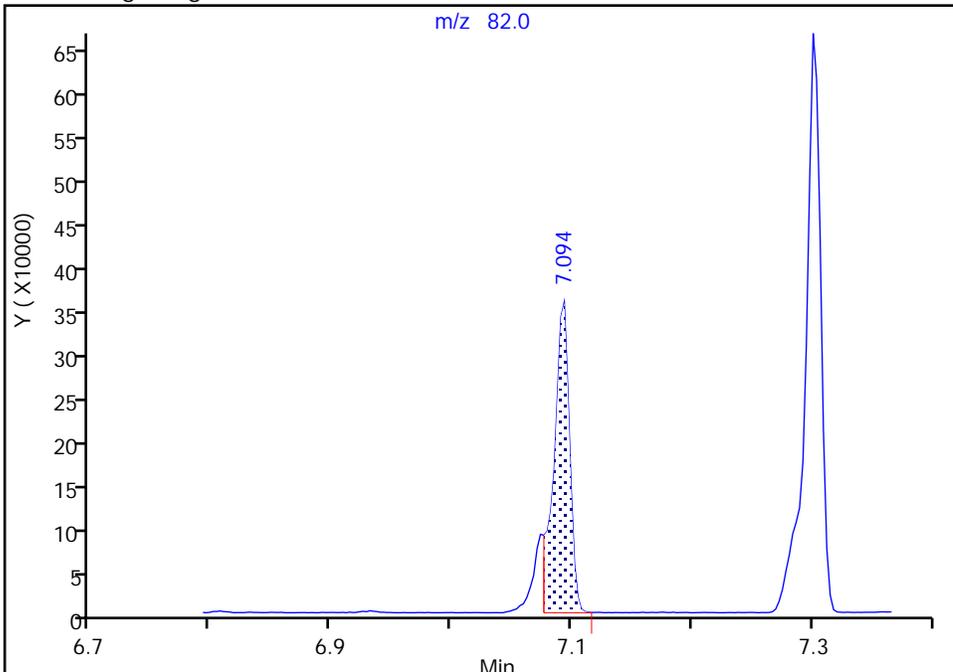
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D
Injection Date: 12-Nov-2021 15:00:30 Instrument ID: HP5973Y
Lims ID: ICV - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

\$ 9 Nitrobenzene-d5, CAS: 4165-60-0

Signal: 1

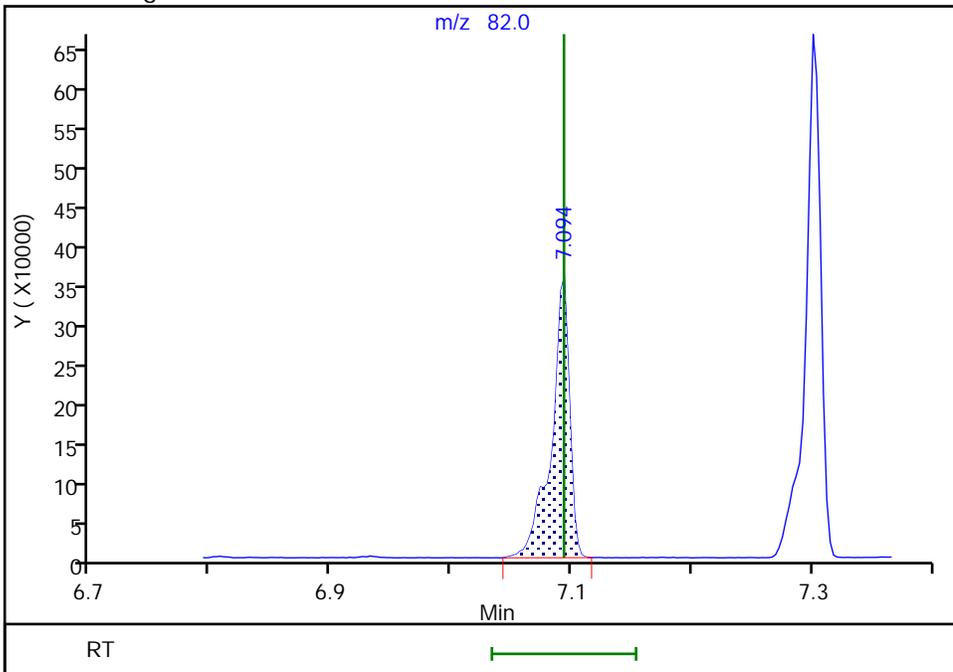
RT: 7.09
Area: 322674
Amount: 3.603303
Amount Units: ng/uL

Processing Integration Results



RT: 7.09
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Amount: 4.131805
Amount Units: ng/uL

Manual Integration Results



Eurofins TestAmerica, Buffalo

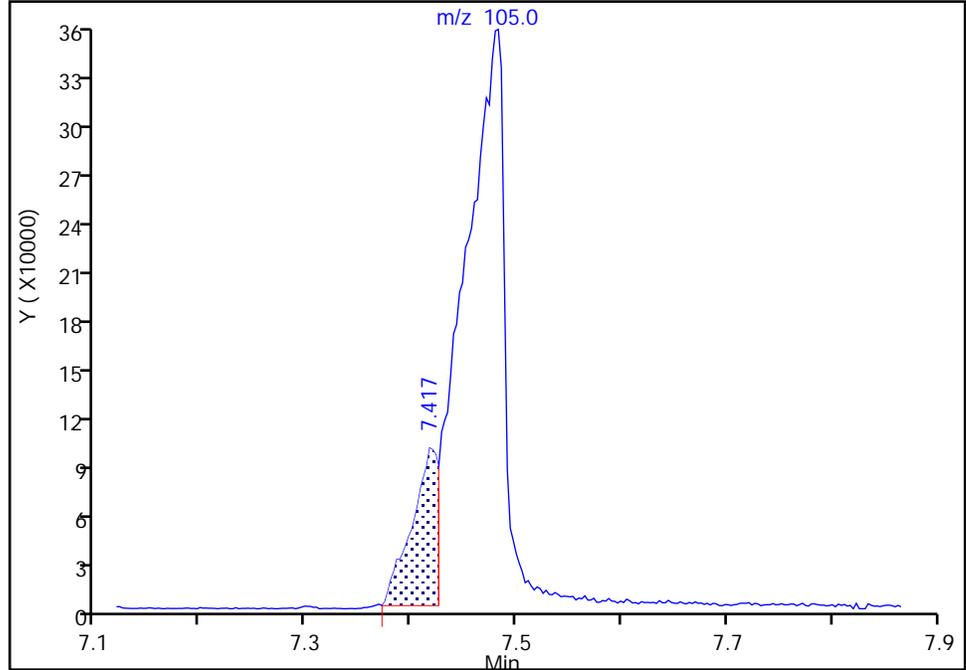
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Injection Date: 12-Nov-2021 15:00:30 Instrument ID: HP5973Y
Lims ID: ICV - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

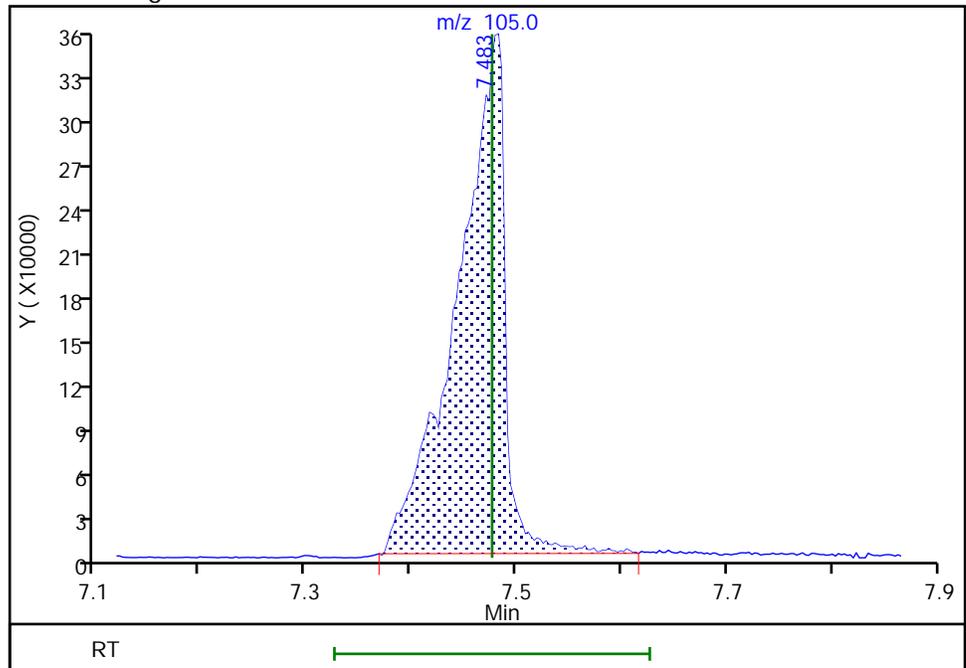
RT: 7.42
Area: 166396
Amount: 4.784758
Amount Units: ng/uL

Processing Integration Results



RT: 7.48
Area: 1099484
Amount: 21.578308
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 12-Nov-2021 15:44:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo

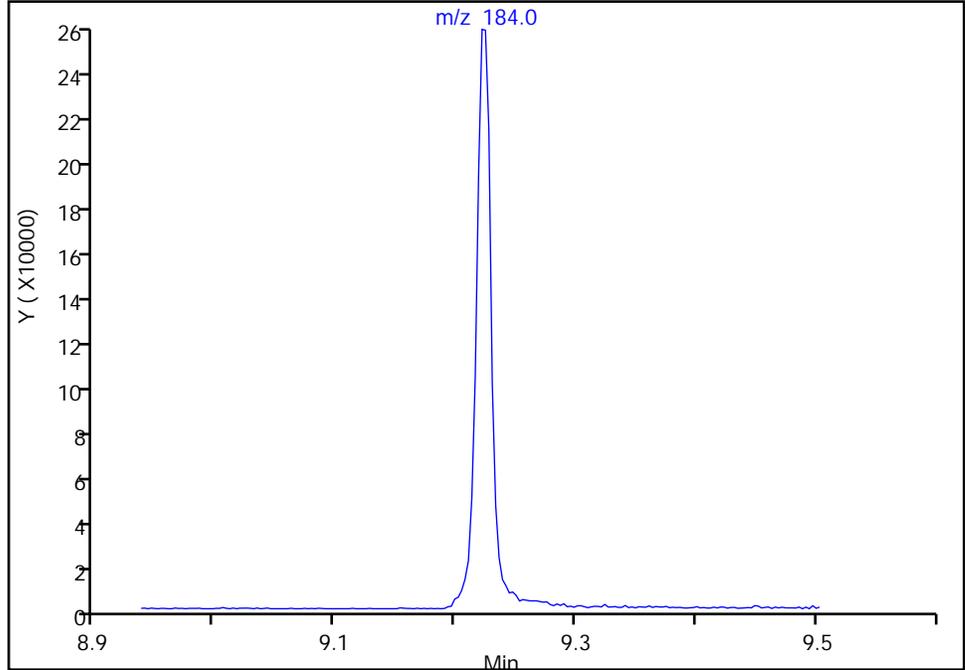
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826644.D
Injection Date: 12-Nov-2021 15:00:30 Instrument ID: HP5973Y
Lims ID: ICV - List 1 - 4
Client ID:
Operator ID: JM ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

111 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

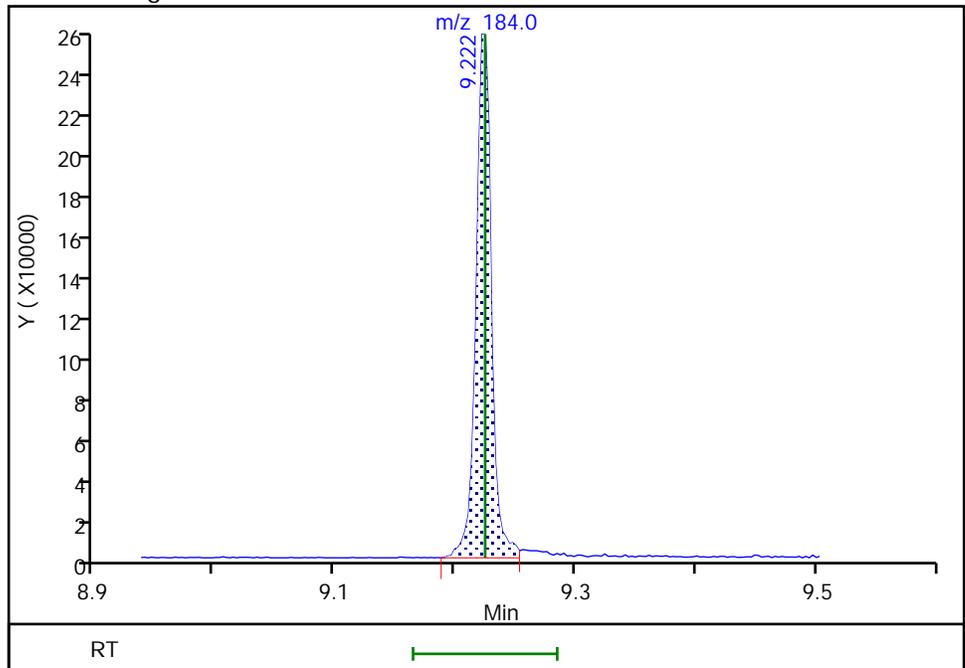
Not Detected
Expected RT: 9.22

Processing Integration Results



Manual Integration Results

RT: 9.22
Area: 225322
Amount: 8.282139
Amount Units: ng/uL



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-607022/3 Calibration Date: 11/30/2021 13:40
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02827245.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.3680	0.3689	0.0100	4010	4000	0.2	20.0
N-Nitrosodimethylamine	Ave	0.4387	0.4257	0.0100	3880	4000	-3.0	50.0
Pyridine	Ave	0.4722	0.3989	0.0100	6760	8000	-15.5	50.0
Benzaldehyde	Lin2		0.8124	0.0100	9320	8000	16.5	50.0
Phenol	Ave	1.263	1.238	0.8000	3920	4000	-2.0	20.0
Aniline	Ave	1.545	1.502	0.0100	3890	4000	-2.8	20.0
Bis(2-chloroethyl)ether	Ave	0.8938	0.9365	0.7000	4190	4000	4.8	20.0
2-Chlorophenol	Ave	1.229	1.286	0.8000	4180	4000	4.6	20.0
n-Decane	Ave	0.8272	0.7500	0.0100	3630	4000	-9.3	20.0
1,3-Dichlorobenzene	Ave	1.480	1.519	0.0100	4110	4000	2.6	20.0
1,4-Dichlorobenzene	Ave	1.497	1.584	0.0100	4230	4000	5.8	20.0
Benzyl alcohol	Lin2		0.6318	0.0100	3660	4000	-8.5	20.0
1,2-Dichlorobenzene	Ave	1.429	1.482	0.0100	4150	4000	3.7	20.0
2-Methylphenol	Ave	1.015	1.047	0.7000	4130	4000	3.1	20.0
bis (2-chloroisopropyl) ether	Ave	0.8598	0.7158	0.0100	3330	4000	-16.7	20.0
Indene	Ave	2.095	2.197	0.0100	21000	20000	4.9	20.0
N-Nitrosodi-n-propylamine	Ave	0.5933	0.6148	0.5000	4150	4000	3.6	20.0
4-Methylphenol	Ave	1.055	1.081	0.6000	4100	4000	2.5	20.0
Acetophenone	Ave	1.446	1.528	0.0100	4230	4000	5.6	20.0
Hexachloroethane	Ave	0.5408	0.5336	0.3000	3950	4000	-1.3	20.0
Nitrobenzene	Ave	0.2821	0.2805	0.2000	3980	4000	-0.6	20.0
Isophorone	Lin2		0.4956	0.4000	4020	4000	0.5	20.0
2-Nitrophenol	Lin2		0.1929	0.1000	4110	4000	2.8	20.0
2,4-Dimethylphenol	Lin2		0.3347	0.2000	4420	4000	10.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.2926	0.3066	0.3000	4190	4000	4.8	20.0
Benzoic acid	Lin2		0.1521	0.0100	16900	20000	-15.6	50.0
2,4-Dichlorophenol	Ave	0.2976	0.3183	0.2000	4280	4000	7.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3369	0.3737	0.0100	4440	4000	10.9	20.0
Naphthalene	Lin2		1.042	0.7000	4160	4000	4.0	20.0
4-Chloroaniline	Ave	0.3582	0.4112	0.0100	4590	4000	14.8	20.0
2,6-Dichlorophenol	Ave	0.3006	0.3154	0.0100	4200	4000	5.0	20.0
Hexachlorobutadiene	Ave	0.2325	0.2645	0.0100	4550	4000	13.7	20.0
Caprolactam	Lin2		0.0917	0.0100	8290	8000	3.6	50.0
4-Chloro-3-methylphenol	Ave	0.2543	0.2706	0.2000	4260	4000	6.4	20.0
2-Methylnaphthalene	Ave	0.7072	0.7540	0.4000	4260	4000	6.6	20.0
1-Methylnaphthalene	Ave	0.6464	0.6848	0.0100	4240	4000	5.9	20.0
Hexachlorocyclopentadiene	Lin2		0.3218	0.0500	2990	4000	-25.3*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6488	0.6860	0.0100	4230	4000	5.7	20.0
2,4,6-Trichlorophenol	Lin2		0.3897	0.2000	3900	4000	-2.5	20.0
2,4,5-Trichlorophenol	Lin2		0.3990	0.2000	3990	4000	-0.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-607022/3 Calibration Date: 11/30/2021 13:40
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02827245.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Ave	1.422	1.488	0.0100	4190	4000	4.7	20.0
2-Chloronaphthalene	Ave	1.074	1.153	0.8000	4290	4000	7.4	20.0
2-Nitroaniline	Lin2		0.2237	0.0100	3880	4000	-3.1	20.0
Dimethyl phthalate	Ave	1.192	1.269	0.0100	4260	4000	6.5	20.0
1,3-Dinitrobenzene	Lin2		0.1226	0.0100	4220	4000	5.6	20.0
2,6-Dinitrotoluene	Lin2		0.3177	0.2000	4440	4000	11.1	20.0
Acenaphthylene	Ave	1.758	1.802	0.9000	4100	4000	2.5	20.0
3-Nitroaniline	Lin2		0.2917	0.0100	4030	4000	0.7	20.0
2,4-Dinitrophenol	Lin2		0.1269	0.0100	6490	8000	-18.9	20.0
Acenaphthene	Ave	1.170	1.180	0.9000	4030	4000	0.9	20.0
4-Nitrophenol	Lin2		0.1409	0.0100	7820	8000	-2.3	20.0
2,4-Dinitrotoluene	Lin2		0.4035	0.2000	4170	4000	4.3	20.0
Dibenzofuran	Ave	1.611	1.707	0.8000	4240	4000	5.9	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3134	0.0100	3720	4000	-7.0	20.0
Hexadecane	Ave	0.4655	0.4204	0.0100	3610	4000	-9.7	20.0
Diethyl phthalate	Ave	1.207	1.305	0.0100	4320	4000	8.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.6675	0.7257	0.4000	4350	4000	8.7	20.0
4-Nitroaniline	Lin2		0.2988	0.0100	3910	4000	-2.2	20.0
Fluorene	Ave	1.261	1.364	0.9000	4330	4000	8.2	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1204	0.0100	7970	8000	-0.4	20.0
Diphenylamine	Ave	0.5874	0.6346	0.0100	3690	3420	8.0	20.0
N-Nitrosodiphenylamine	Ave	0.5022	0.5426	0.0100	4320	4000	8.0	20.0
1,2-Diphenylhydrazine	Ave	0.5065	0.4883	0.0100	3860	4000	-3.6	20.0
trans-Azobenzene	Ave	0.5065	0.4883	0.0100	3860	4000	-3.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2539	0.2878	0.1000	4530	4000	13.3	20.0
Hexachlorobenzene	Ave	0.3169	0.3720	0.1000	4700	4000	17.4	20.0
Atrazine	Ave	0.3758	0.4071	0.0100	8670	8000	8.3	20.0
n-Octadecane	Ave	0.2663	0.2482	0.0100	3730	4000	-6.8	20.0
Pentachlorophenol	Lin2		0.1094	0.0500	6250	8000	-21.8*	20.0
Phenanthrene	Ave	1.041	1.063	0.7000	4090	4000	2.2	20.0
Anthracene	Ave	1.031	1.083	0.7000	4200	4000	5.1	20.0
Carbazole	Ave	0.8834	0.9148	0.0100	4140	4000	3.6	20.0
Di-n-butyl phthalate	Ave	1.128	1.194	0.0100	4230	4000	5.8	20.0
Fluoranthene	Ave	1.157	1.240	0.6000	4290	4000	7.2	20.0
Benidine	Ave	0.5912	0.6222	0.0100	8420	8000	5.3	50.0
Pyrene	Ave	1.209	1.186	0.6000	3930	4000	-1.9	20.0
Butyl benzyl phthalate	Ave	0.5048	0.4841	0.0100	3840	4000	-4.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7195	0.7259	0.0100	4040	4000	0.9	20.0
3,3'-Dichlorobenzidine	Ave	0.4935	0.5603	0.0100	9080	8000	13.5	50.0
Benzo[a]anthracene	Ave	1.210	1.226	0.8000	4050	4000	1.3	20.0
Chrysene	Ave	1.152	1.175	0.7000	4080	4000	2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Lab Sample ID: CCVIS 480-607022/3 Calibration Date: 11/30/2021 13:40
 Instrument ID: HP5973Y Calib Start Date: 11/12/2021 11:23
 GC Column: RXI-5Sil MS ID: 0.25 (mm) Calib End Date: 11/12/2021 14:33
 Lab File ID: Y02827245.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		1.233	0.0100	4000	4000	0.0	20.0
Benzo[b]fluoranthene	Ave	1.155	1.179	0.7000	4080	4000	2.1	20.0
Benzo[k]fluoranthene	Ave	1.171	1.141	0.7000	3900	4000	-2.6	20.0
Benzo[a]pyrene	Ave	1.103	1.122	0.7000	4070	4000	1.7	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.410	0.5000	4200	4000	5.1	20.0
Dibenz(a,h)anthracene	Ave	1.156	1.228	0.4000	4250	4000	6.2	20.0
Benzo[g,h,i]perylene	Ave	1.157	1.241	0.5000	4290	4000	7.2	20.0
2-Fluorophenol (Surr)	Ave	1.072	1.081	0.0100	4030	4000	0.8	20.0
Phenol-d5 (Surr)	Ave	1.235	1.213	0.0100	3930	4000	-1.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3295	0.3177	0.0100	3860	4000	-3.6	20.0
2-Fluorobiphenyl (Surr)	Ave	1.356	1.349	0.0100	3980	4000	-0.5	20.0
2,4,6-Tribromophenol (Surr)	Lin2		0.1784	0.0100	4480	4000	11.9	20.0
p-Terphenyl-d14 (Surr)	Ave	1.044	1.042	0.0100	3990	4000	-0.2	20.0

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827245.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 30-Nov-2021 13:40:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-003
 Operator ID: JM Instrument ID: HP5973Y
 Sublist: chrom-Y-LVI-8270*sub36
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:26:54 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 30-Nov-2021 14:02:37

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	6.491	6.491	0.000	92	204553	4.00	4.00	
* 2 Naphthalene-d8	136	7.580	7.580	0.000	98	720651	4.00	4.00	
* 3 Acenaphthene-d10	164	9.067	9.067	0.000	91	450199	4.00	4.00	
* 4 Phenanthrene-d10	188	10.330	10.330	0.000	94	807429	4.00	4.00	
* 5 Chrysene-d12	240	13.034	13.034	0.000	96	834793	4.00	4.00	
* 6 Perylene-d12	264	15.256	15.256	0.000	99	1013356	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.361	5.361	0.000	87	221038	4.00	4.03	
\$ 8 Phenol-d5	99	6.170	6.170	0.000	0	248083	4.00	3.93	
\$ 9 Nitrobenzene-d5	82	6.959	6.959	0.000	85	228916	4.00	3.86	
\$ 10 2-Fluorobiphenyl	172	8.468	8.468	0.000	98	607473	4.00	3.98	
\$ 11 2,4,6-Tribromophenol	330	9.734	9.734	0.000	88	144007	4.00	4.48	
\$ 12 p-Terphenyl-d14	244	11.715	11.715	0.000	96	869581	4.00	3.99	
13 1,4-Dioxane	88	3.497	3.497	0.000	87	75450	4.00	4.01	
14 N-Nitrosodimethylamine	42	3.914	3.914	0.000	90	87068	4.00	3.88	
15 Pyridine	52	3.959	3.959	0.000	94	163181	8.00	6.76	
35 Benzaldehyde	77	6.116	6.116	0.000	93	332370	8.00	9.32	
37 Phenol	94	6.181	6.181	0.000	96	253214	4.00	3.92	
36 Aniline	93	6.210	6.210	0.000	98	307234	4.00	3.89	
39 Bis(2-chloroethyl)ether	93	6.241	6.241	0.000	98	191572	4.00	4.19	
40 2-Chlorophenol	128	6.320	6.320	0.000	93	263005	4.00	4.18	
41 n-Decane	57	6.320	6.320	0.000	80	153409	4.00	3.63	
43 1,3-Dichlorobenzene	146	6.445	6.445	0.000	98	310753	4.00	4.11	
44 1,4-Dichlorobenzene	146	6.505	6.505	0.000	95	324076	4.00	4.23	
45 Benzyl alcohol	108	6.601	6.601	0.000	94	129228	4.00	3.66	
46 1,2-Dichlorobenzene	146	6.641	6.641	0.000	98	303183	4.00	4.15	
48 2-Methylphenol	108	6.692	6.692	0.000	92	214189	4.00	4.13	
49 2,2'-oxybis[1-chloropropane]	45	6.698	6.698	0.000	82	146417	4.00	3.33	
47 Indene	115	6.718	6.718	0.000	87	2246862	20.0	21.0	
53 N-Nitrosodi-n-propylamine	70	6.811	6.811	0.000	80	125760	4.00	4.15	
57 4-Methylphenol	108	6.817	6.817	0.000	91	221064	4.00	4.10	
52 Acetophenone	105	6.825	6.825	0.000	97	312503	4.00	4.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
58 Hexachloroethane	117	6.936	6.936	0.000	88	109154	4.00	3.95	
59 Nitrobenzene	77	6.976	6.976	0.000	84	202114	4.00	3.98	
62 Isophorone	82	7.169	7.169	0.000	99	357155	4.00	4.02	
64 2-Nitrophenol	139	7.248	7.248	0.000	88	139034	4.00	4.11	
66 2,4-Dimethylphenol	107	7.262	7.262	0.000	93	241193	4.00	4.42	
69 Bis(2-chloroethoxy)methane	93	7.328	7.328	0.000	97	220917	4.00	4.19	
70 Benzoic acid	105	7.364	7.364	0.000	86	547996	20.0	16.9	M
72 2,4-Dichlorophenol	162	7.455	7.455	0.000	89	229391	4.00	4.28	
73 1,2,4-Trichlorobenzene	180	7.523	7.523	0.000	93	269311	4.00	4.44	
74 Naphthalene	128	7.600	7.600	0.000	97	750725	4.00	4.16	
76 4-Chloroaniline	127	7.626	7.626	0.000	97	296336	4.00	4.59	
77 2,6-Dichlorophenol	162	7.640	7.640	0.000	96	227320	4.00	4.20	
79 Hexachlorobutadiene	225	7.691	7.691	0.000	92	190614	4.00	4.55	
84 Caprolactam	113	7.926	7.926	0.000	88	132223	8.00	8.29	
85 4-Chloro-3-methylphenol	107	8.026	8.026	0.000	94	194973	4.00	4.26	
87 2-Methylnaphthalene	142	8.179	8.179	0.000	92	543375	4.00	4.26	
89 1-Methylnaphthalene	142	8.264	8.264	0.000	92	493508	4.00	4.24	
90 Hexachlorocyclopentadiene	237	8.309	8.309	0.000	91	144865	4.00	2.99	
91 1,2,4,5-Tetrachlorobenzene	216	8.321	8.321	0.000	95	308844	4.00	4.23	
93 2,4,6-Trichlorophenol	196	8.412	8.412	0.000	89	175438	4.00	3.90	
94 2,4,5-Trichlorophenol	196	8.451	8.451	0.000	94	179609	4.00	3.99	
96 1,1'-Biphenyl	154	8.559	8.559	0.000	94	669898	4.00	4.19	
97 2-Chloronaphthalene	162	8.596	8.596	0.000	94	518940	4.00	4.29	
100 2-Nitroaniline	65	8.667	8.667	0.000	91	100691	4.00	3.88	
105 Dimethyl phthalate	163	8.786	8.786	0.000	99	571406	4.00	4.26	
106 1,3-Dinitrobenzene	168	8.832	8.832	0.000	95	88376	4.00	4.22	
107 2,6-Dinitrotoluene	165	8.851	8.851	0.000	89	143013	4.00	4.44	
108 Acenaphthylene	152	8.951	8.951	0.000	97	811233	4.00	4.10	
109 3-Nitroaniline	138	9.007	9.007	0.000	89	131304	4.00	4.03	
111 2,4-Dinitrophenol	184	9.093	9.093	0.000	87	114245	8.00	6.49	
110 Acenaphthene	153	9.095	9.095	0.000	93	531247	4.00	4.03	
112 4-Nitrophenol	109	9.141	9.141	0.000	83	126842	8.00	7.82	
114 2,4-Dinitrotoluene	165	9.198	9.198	0.000	93	181656	4.00	4.17	
115 Dibenzofuran	168	9.237	9.237	0.000	96	768345	4.00	4.24	
118 2,3,4,6-Tetrachlorophenol	232	9.337	9.337	0.000	68	141076	4.00	3.72	
121 Hexadecane	57	9.362	9.362	0.000	97	189266	4.00	3.61	
120 Diethyl phthalate	149	9.371	9.371	0.000	98	587575	4.00	4.32	
123 4-Chlorophenyl phenyl ether	204	9.498	9.498	0.000	85	326713	4.00	4.35	
126 4-Nitroaniline	138	9.527	9.527	0.000	57	134520	4.00	3.91	
124 Fluorene	166	9.530	9.530	0.000	94	614086	4.00	4.33	
127 4,6-Dinitro-2-methylphenol	198	9.549	9.549	0.000	97	194446	8.00	7.97	
130 N-Nitrosodiphenylamine	169	9.598	9.598	0.000	68	438081	4.00	4.32	
129 Diphenylamine	169	9.598	9.598	0.000	93	438081	3.42	3.69	
131 1,2-Diphenylhydrazine	77	9.637	9.637	0.000	41	394302	4.00	3.86	
132 Azobenzene	77	9.637	9.637	0.000	96	394302	4.00	3.86	
139 4-Bromophenyl phenyl ether	248	9.915	9.915	0.000	57	232385	4.00	4.53	
140 Hexachlorobenzene	284	10.003	10.003	0.000	94	300376	4.00	4.70	
143 Atrazine	200	10.018	10.018	0.000	93	366529	8.00	8.67	
148 n-Octadecane	57	10.131	10.131	0.000	96	200421	4.00	3.73	
145 Pentachlorophenol	266	10.162	10.162	0.000	95	176693	8.00	6.25	
151 Phenanthrene	178	10.350	10.350	0.000	95	858590	4.00	4.09	
152 Anthracene	178	10.392	10.392	0.000	95	874572	4.00	4.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
153 Carbazole	167	10.511	10.511	0.000	96	738647	4.00	4.14	
157 Di-n-butyl phthalate	149	10.736	10.736	0.000	99	964453	4.00	4.23	
164 Fluoranthene	202	11.388	11.388	0.000	97	1001465	4.00	4.29	
166 Benzidine	184	11.473	11.473	0.000	98	1038898	8.00	8.42	
167 Pyrene	202	11.618	11.618	0.000	97	990296	4.00	3.93	
174 Butyl benzyl phthalate	149	12.203	12.203	0.000	93	404128	4.00	3.84	
181 Bis(2-ethylhexyl) phthalate	149	12.903	12.903	0.000	91	606011	4.00	4.04	
179 3,3'-Dichlorobenzidine	252	12.940	12.940	0.000	71	935533	8.00	9.08	
180 Benzo[a]anthracene	228	13.020	13.020	0.000	96	1023421	4.00	4.05	
182 Chrysene	228	13.071	13.071	0.000	96	981116	4.00	4.08	
184 Di-n-octyl phthalate	149	13.851	13.851	0.000	97	1029148	4.00	4.00	
186 Benzo[b]fluoranthene	252	14.637	14.637	0.000	96	1195186	4.00	4.08	
187 Benzo[k]fluoranthene	252	14.680	14.680	0.000	97	1156141	4.00	3.90	
189 Benzo[a]pyrene	252	15.171	15.171	0.000	76	1136620	4.00	4.07	
193 Indeno[1,2,3-cd]pyrene	276	17.092	17.092	0.000	96	1428840	4.00	4.20	
194 Dibenz(a,h)anthracene	278	17.097	17.097	0.000	88	1244351	4.00	4.25	
195 Benzo[g,h,i]perylene	276	17.631	17.631	0.000	97	1257162	4.00	4.29	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_L1LVI_WRK_00516

Amount Added: 1.00

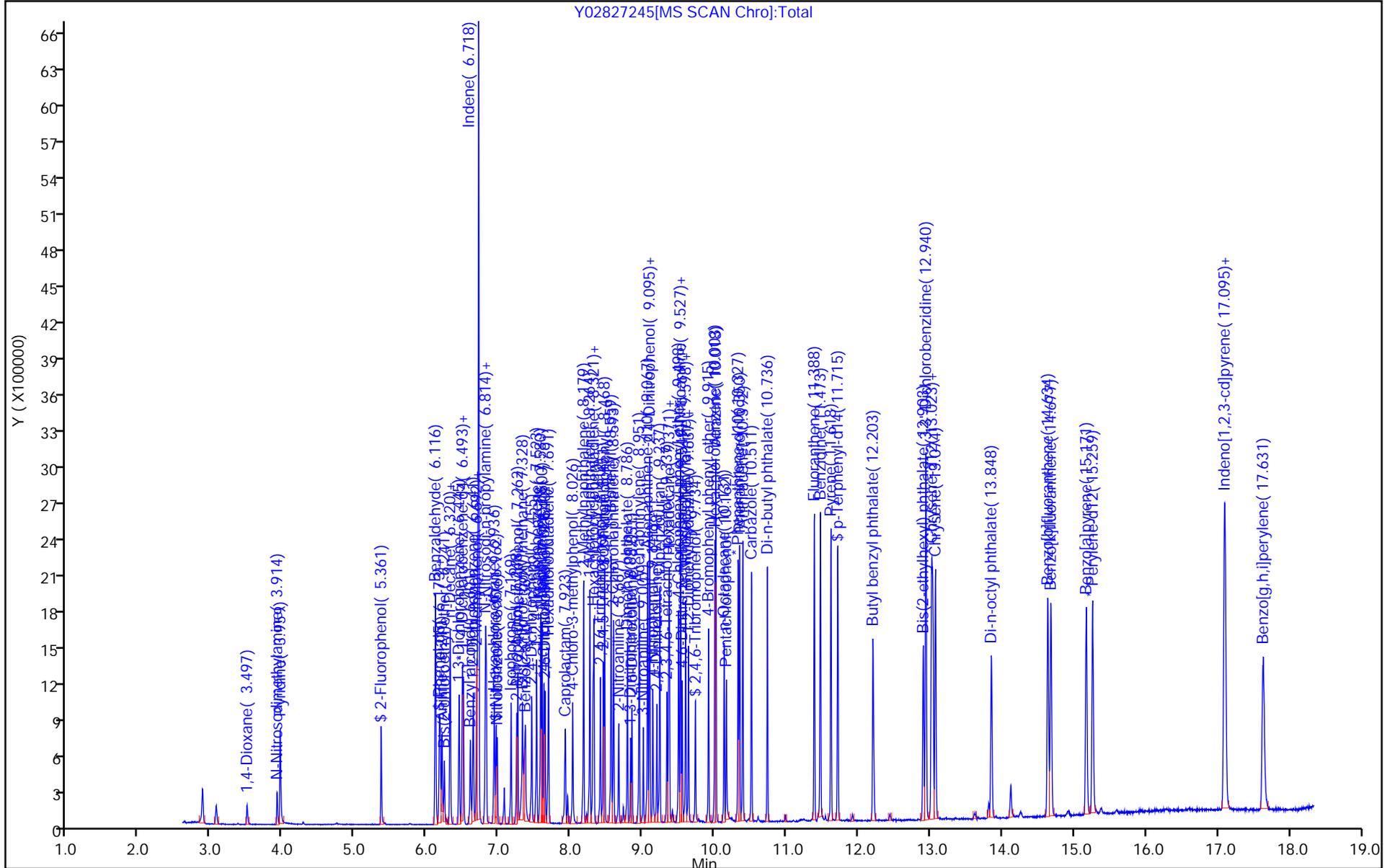
Units: mL

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent



Eurofins TestAmerica, Buffalo

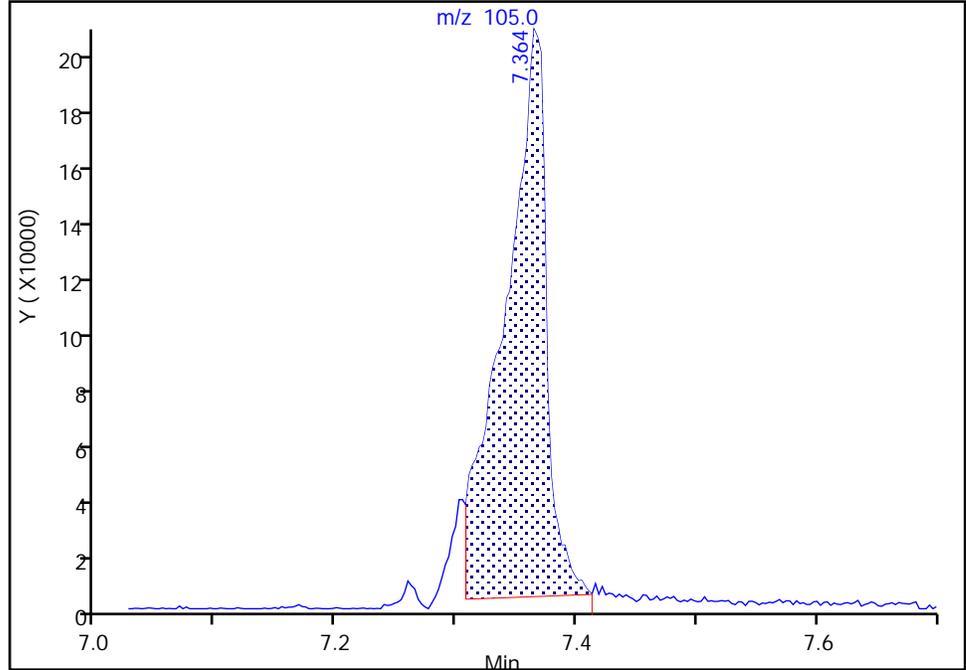
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827245.D
Injection Date: 30-Nov-2021 13:40:30 Instrument ID: HP5973Y
Lims ID: CCVIS
Client ID:
Operator ID: JM ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

70 Benzoic acid, CAS: 65-85-0

Signal: 1

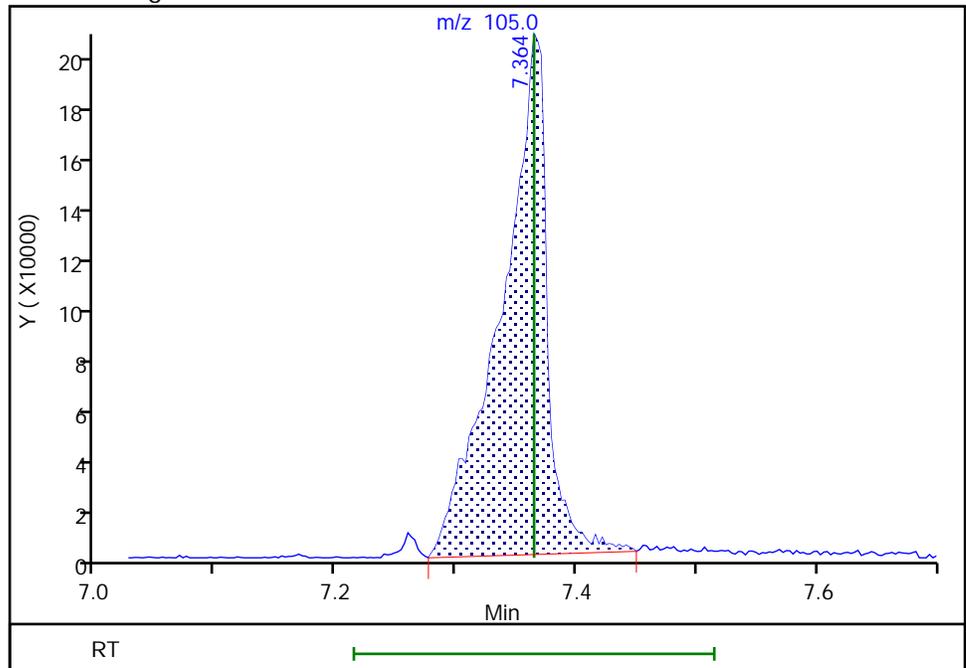
RT: 7.36
Area: 490216
Amount: 15.373148
Amount Units: ng/uL

Processing Integration Results



RT: 7.36
Area: 547996
Amount: 16.876104
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 01-Dec-2021 11:10:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 22-Nov-2021 14:35:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102624-002
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 12:09:00 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1651

First Level Reviewer: quirkp Date: 22-Nov-2021 14:58:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
248 Pentachlorophenol_T	266	10.238	10.238	0.000	92	648479	NR	NR	
249 DFTPP									
250 Benzidine_T	184	11.558	11.558	0.000	99	2003104	NR	NR	
252 4,4'-DDD	235		11.627					ND	
251 4,4'-DDE	246	11.745	11.745	0.000	89	2278		NR	
253 4,4'-DDT	235	12.472	12.472	0.000	98	2109373	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

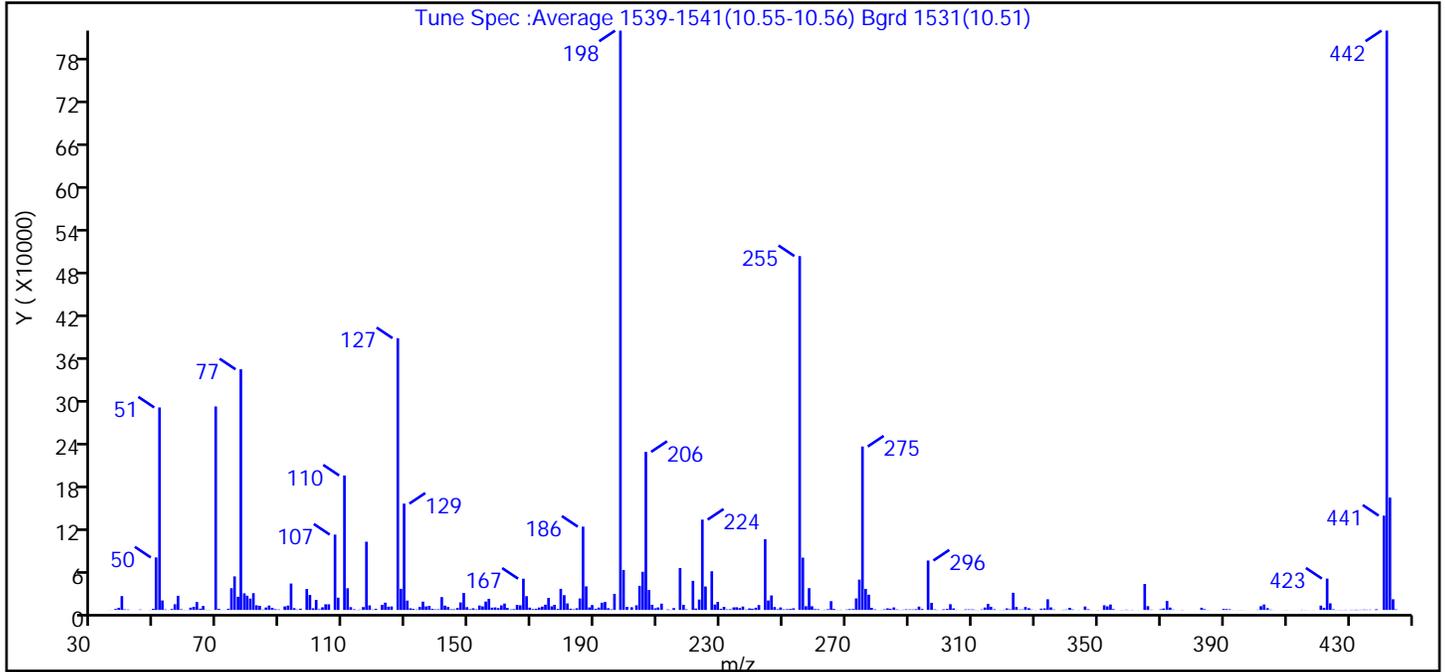
Reagents:

MB_DFTPP_WRK_00401 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102624.b\W10018135.d
 Injection Date: 22-Nov-2021 14:35:30 Instrument ID: HP5973W
 Lims ID: DFTPP
 Client ID:
 Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Tune Method: DFTPP Method 8270D, BP 198

249 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (100.0)
51	10-80% of the base peak	35.0
68	<2% of mass 69	0.0 (0.0)
69	Present	35.1
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	46.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	28.2
365	>1% of mass 198	4.5
441	present but <24% of mass 442	16.3 (16.3)
442	base peak, or >50% of 198	100.0
443	15-24% of mass 442	19.4 (19.4)

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d\W-LVI-8270.rsl\spectra.d
Injection Date: 22-Nov-2021 14:35:30
Spectrum: Tune Spec :Average 1539-1541(10.55-10.56) Bgrd 1531(10.51)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	105	138.00	1604	238.00	571	338.00	65
36.00	155	139.00	796	239.00	2185	339.00	330
37.00	1363	140.00	894	240.00	1693	340.00	524
38.00	3058	141.00	18168	241.00	3092	341.00	3020
39.00	19568	142.00	6179	242.00	6934	342.00	675
40.00	819	143.00	4247	244.00	99840	343.00	78
41.00	565	144.00	873	245.00	13378	344.00	134
44.00	36	145.00	908	246.00	20512	346.00	4849
45.00	582	146.00	2850	247.00	4129	347.00	942
46.00	44	147.00	10634	248.00	989	348.00	102
48.00	169	148.00	23960	249.00	3567	350.00	35
49.00	1579	149.00	3982	250.00	816	350.00	196
50.00	74144	150.00	1050	251.00	1108	352.00	6597
51.00	285952	151.00	2358	252.00	1398	353.00	5112
52.00	13368	152.00	811	253.00	2319	354.00	7677
53.00	712	153.00	6241	255.00	499712	355.00	1122
54.00	117	154.00	5061	256.00	73880	356.00	52
55.00	1341	155.00	11840	257.00	5292	357.00	134
56.00	8082	156.00	15692	258.00	30760	358.00	199
57.00	19984	157.00	3287	259.00	5187	359.00	438
58.00	922	158.00	3632	260.00	1208	360.00	158
59.00	274	159.00	2559	261.00	912	361.00	286
60.00	172	160.00	6475	262.00	121	362.00	44
61.00	3306	161.00	9011	263.00	365	363.00	98
62.00	4435	162.00	2743	264.00	1019	365.00	36704
63.00	11221	163.00	705	265.00	12422	366.00	5351
64.00	1771	164.00	1113	266.00	1378	367.00	401
65.00	5615	165.00	7099	267.00	234	370.00	904
66.00	309	166.00	6589	268.00	313	371.00	2032
67.00	264	167.00	44128	270.00	557	372.00	12684
69.00	287360	168.00	19456	271.00	1160	373.00	3341
70.00	1434	169.00	3297	272.00	1255	374.00	441
71.00	129	170.00	1165	273.00	16309	375.00	52

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d\W-LVI-8270.rsl\spectra.d

Injection Date: 22-Nov-2021 14:35:30

Spectrum: Tune Spec :Average 1539-1541(10.55-10.56) Bgrd 1531(10.51)

Base Peak: 442.10

Minimum % Base Peak: 0

Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	113	171.00	1634	274.00	42800	377.00	54
73.00	1666	172.00	3423	275.00	230784	377.00	262
74.00	30712	173.00	4789	276.00	29720	383.00	3133
75.00	47384	174.00	7436	277.00	21552	384.00	1082
76.00	18608	175.00	16920	278.00	2991	385.00	235
77.00	339840	176.00	5105	279.00	808	386.00	81
78.00	23488	177.00	7243	280.00	99	388.00	33
79.00	20128	178.00	1452	281.00	266	388.00	43
80.00	16044	179.00	29824	282.00	793	389.00	55
81.00	23704	180.00	20880	283.00	2285	390.00	1393
82.00	6606	181.00	9242	284.00	1503	391.00	1207
83.00	5828	182.00	1789	285.00	3598	392.00	954
84.00	448	183.00	844	286.00	716	393.00	133
85.00	3477	184.00	2410	287.00	164	395.00	125
86.00	6221	185.00	16242	288.00	336	396.00	139
87.00	3039	186.00	117632	289.00	860	397.00	94
88.00	1049	187.00	33272	290.00	697	401.00	314
89.00	626	188.00	3549	291.00	640	402.00	5329
90.00	65	189.00	6942	292.00	992	403.00	7685
91.00	4953	190.00	1558	293.00	4732	404.00	2569
92.00	6145	191.00	3371	294.00	1365	405.00	459
93.00	37288	192.00	10213	296.00	69808	406.00	79
94.00	2514	193.00	11251	297.00	9986	407.00	35
95.00	553	194.00	2485	298.00	724	409.00	34
96.00	1775	195.00	858	299.00	271	410.00	218
98.00	29592	196.00	22696	300.00	189	411.00	51
99.00	21224	198.00	818048	301.00	933	412.00	36
100.00	2278	199.00	56496	302.00	1441	413.00	36
101.00	14201	200.00	4348	303.00	8104	415.00	295
102.00	928	202.00	3850	304.00	2146	416.00	172
103.00	3790	203.00	6551	305.00	220	417.00	55
104.00	8003	204.00	34064	306.00	76	419.00	96
105.00	7948	205.00	53912	307.00	127	419.00	44
107.00	106424	206.00	223232	308.00	766	421.00	6139

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d\W-LVI-8270.rslt\spectra.d

Injection Date: 22-Nov-2021 14:35:30

Spectrum: Tune Spec :Average 1539-1541(10.55-10.56) Bgrd 1531(10.51)

Base Peak: 442.10

Minimum % Base Peak: 0

Number of Points: 373

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	17320	207.00	28176	309.00	769	422.00	3061
110.00	189888	208.00	7336	310.00	803	423.00	44312
111.00	30656	209.00	2295	311.00	301	424.00	9371
112.00	3994	210.00	3537	312.00	111	425.00	887
113.00	969	211.00	8891	313.00	718	426.00	158
114.00	230	213.00	736	314.00	3428	427.00	227
115.00	489	214.00	293	315.00	8549	428.00	189
116.00	4114	215.00	2633	316.00	4459	429.00	331
117.00	96384	217.00	59208	317.00	977	431.00	299
118.00	6417	218.00	7181	318.00	40	431.00	275
119.00	502	219.00	876	319.00	175	432.00	378
120.00	1612	221.00	41112	320.00	382	433.00	286
122.00	7126	222.00	1948	321.00	2206	434.00	361
123.00	10265	223.00	14680	322.00	872	435.00	557
124.00	4627	224.00	127552	323.00	24232	436.00	434
125.00	4933	225.00	33096	324.00	4200	437.00	443
127.00	383808	227.00	54600	325.00	552	439.00	616
128.00	29864	228.00	7616	326.00	618	439.00	717
129.00	150144	229.00	11306	327.00	4157	441.00	133184
130.00	13219	230.00	1544	328.00	2415	442.00	818112
131.00	2286	231.00	4390	329.00	484	443.00	158656
132.00	1429	232.00	742	330.00	145	444.00	15109
133.00	548	233.00	955	332.00	1771	445.00	778
134.00	4247	234.00	3641	333.00	2208	446.00	43
135.00	11730	235.00	3815	334.00	15073		
136.00	4988	236.00	2640	335.00	3640		
137.00	5790	237.00	4836	336.00	614		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d

Injection Date: 22-Nov-2021 14:35:30

Instrument ID: HP5973W

Operator ID: PJO

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

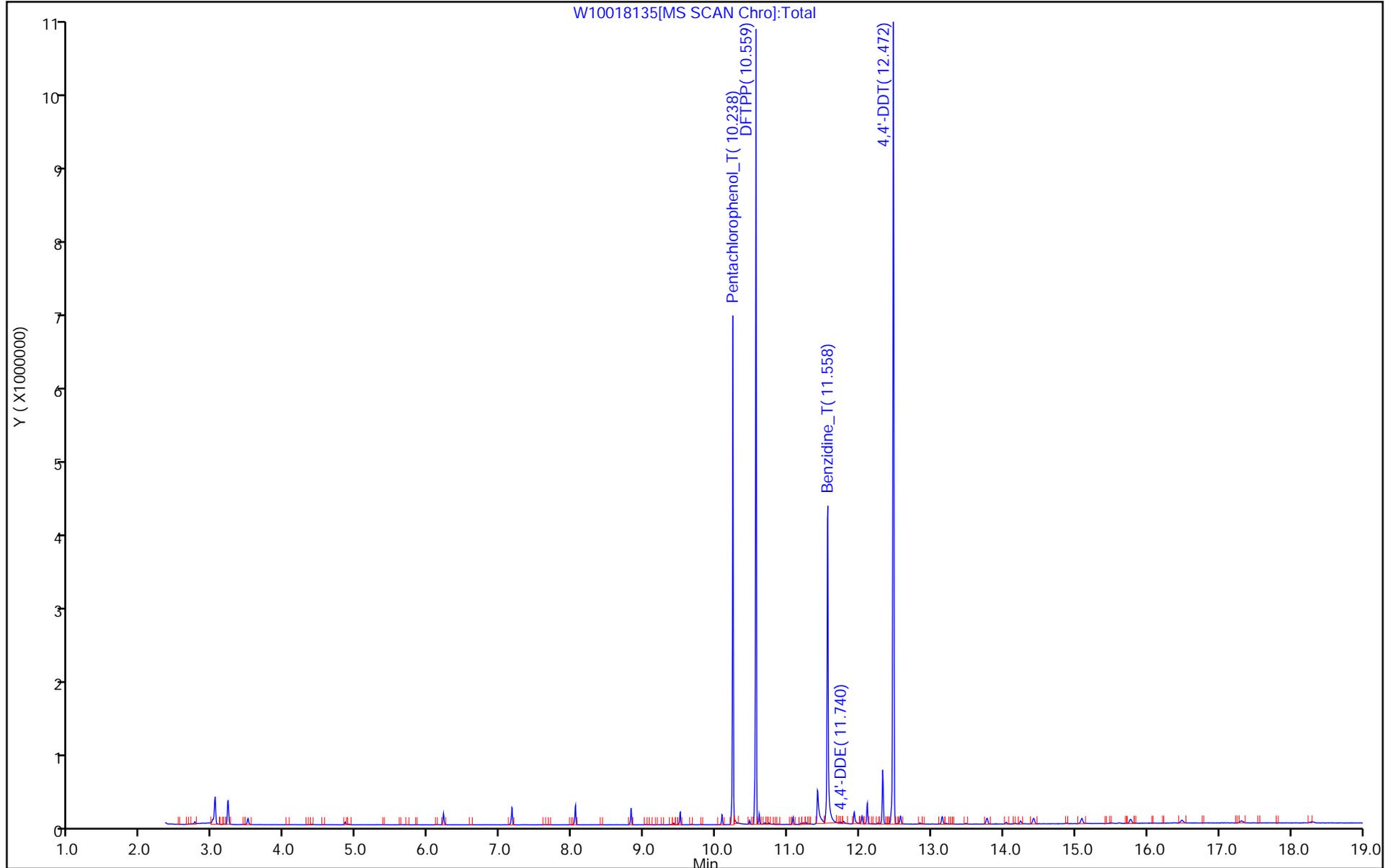
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102624.b\W10018135.d
Injection Date: 22-Nov-2021 14:35:30 Instrument ID: HP5973W
Lims ID: DFTPP
Client ID:
Operator ID: PJO ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

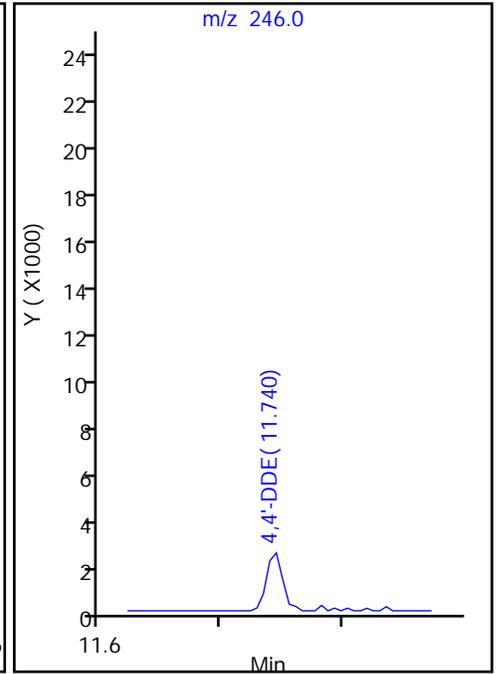
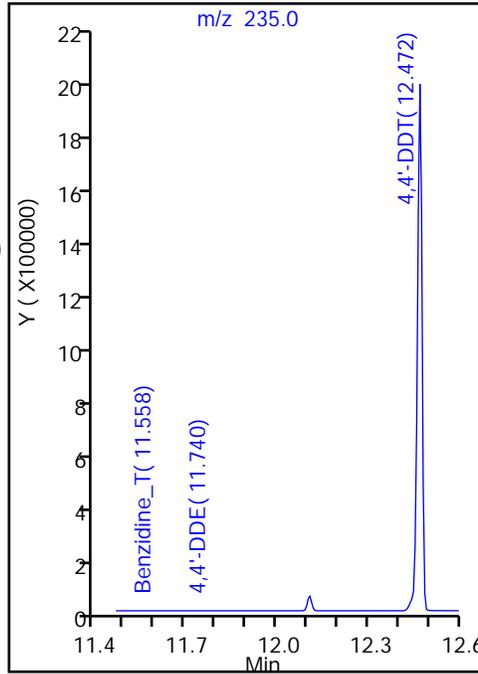
253 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

253 4,4'-DDT, Area = 2109373
252 4,4'-DDD, Area = 0
251 4,4'-DDE, Area = 2278

%Breakdown: 0.11%, <= 20.00%
Passed



Eurofins TestAmerica, Buffalo

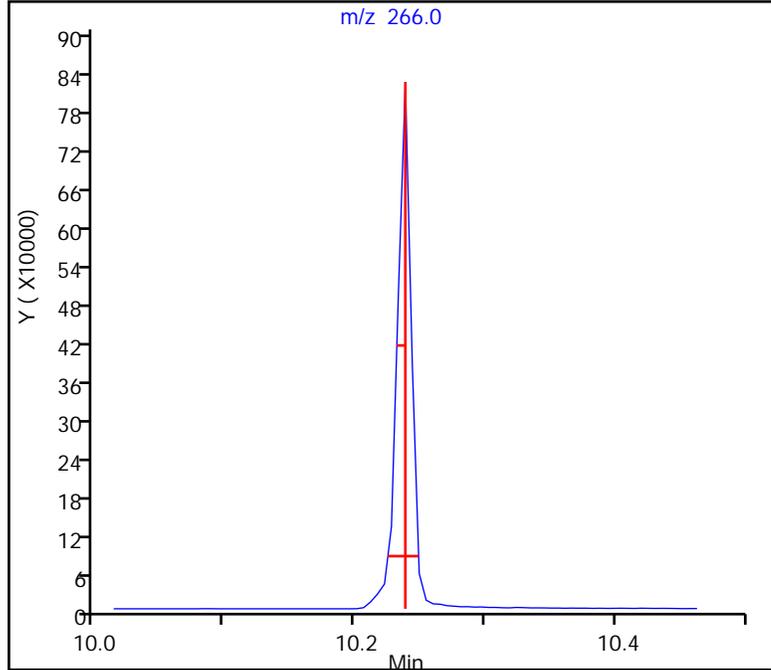
Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d
Injection Date: 22-Nov-2021 14:35:30 Instrument ID: HP5973W
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

248 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.77, Max. Tailing <= 2.00
Passed



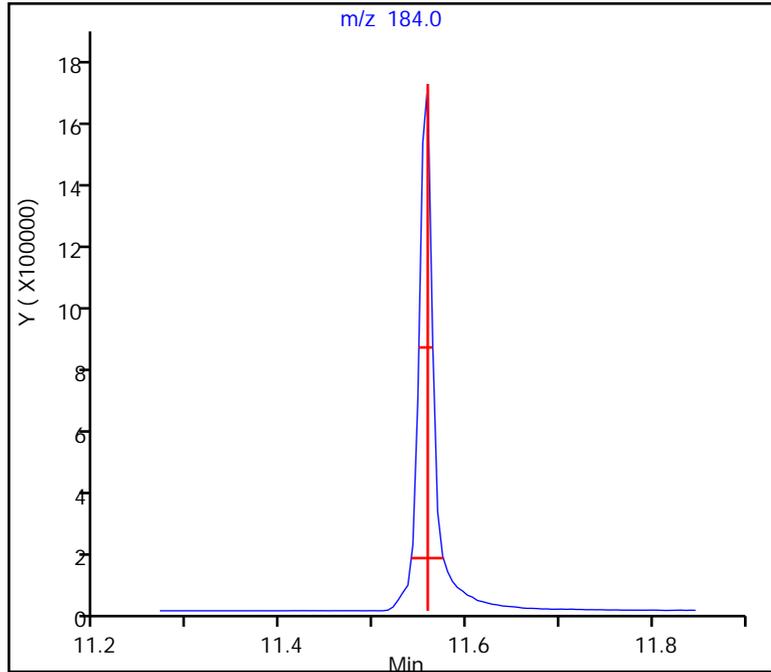
Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018135.d
Injection Date: 22-Nov-2021 14:35:30 Instrument ID: HP5973W
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
250 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 0.94, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 23-Nov-2021 03:18:30 ALS Bottle#: 30 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-002
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 13:45:58 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: quirkp Date: 23-Nov-2021 13:45:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
248 Pentachlorophenol_T	266	10.238	10.238	0.000	92	656507	NR	NR	
249 DFTPP									
250 Benzidine_T	184	11.558	11.558	0.000	99	2237817	NR	NR	
252 4,4'-DDD	235		11.627					ND	
251 4,4'-DDE	246	11.740	11.740	0.000	91	5364		NR	
253 4,4'-DDT	235	12.466	12.466	0.000	97	2112955	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

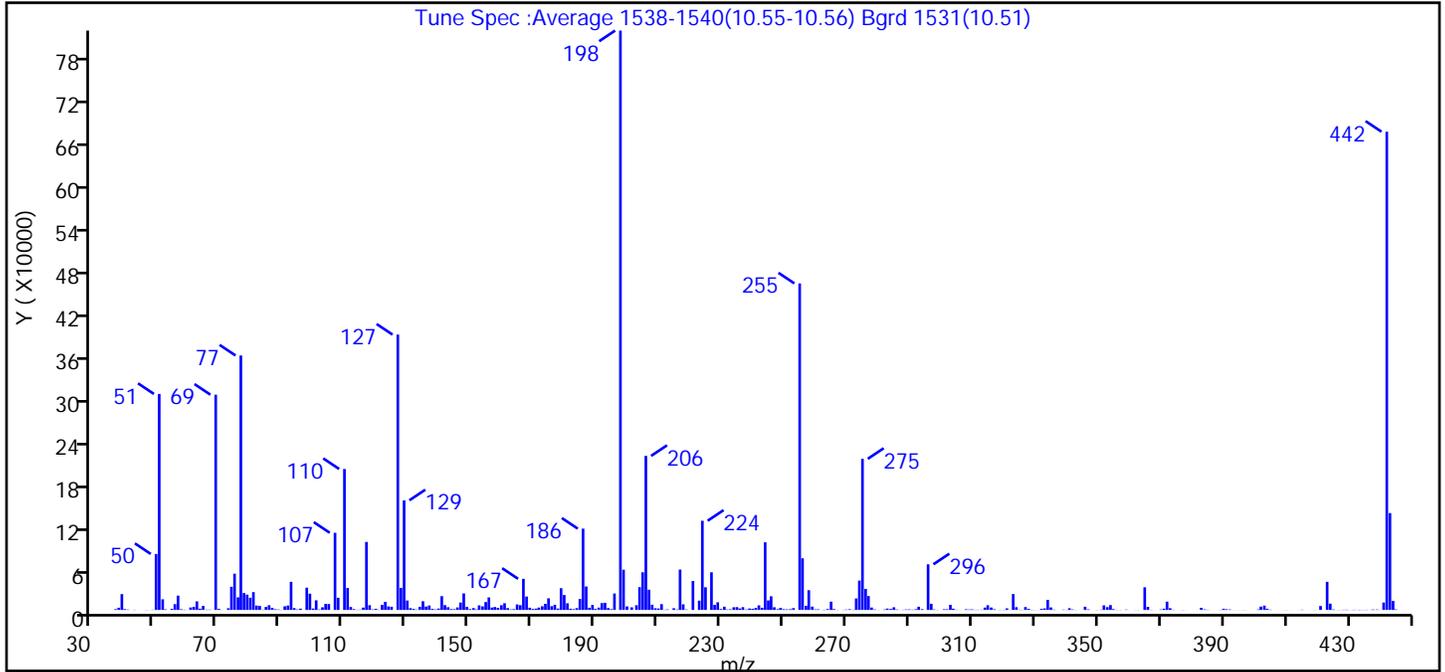
Reagents:

MB_DFTPP_WRK_00401 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W20211122-102625.b\W10018163.d
 Injection Date: 23-Nov-2021 03:18:30 Instrument ID: HP5973W
 Lims ID: DFTPP
 Client ID:
 Operator ID: PJQ ALS Bottle#: 30 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Tune Method: DFTPP Method 8270D, BP 198

249 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (121.1)
51	10-80% of the base peak	37.3
68	<2% of mass 69	0.0 (0.0)
69	Present	37.2
70	<2% of mass 69	0.2 (0.5)
127	10-80% of the base peak	47.5
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	26.1
365	>1% of mass 198	3.9
441	present but <24% of mass 442	1.3 (1.5)
442	base peak, or >50% of 198	82.5
443	15-24% of mass 442	16.7 (20.3)

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d\W-LVI-8270.rsl\spectra.d
Injection Date: 23-Nov-2021 03:18:30
Spectrum: Tune Spec :Average 1538-1540(10.55-10.56) Bgrd 1531(10.51)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1082	140.00	2003	240.00	1607	340.00	195
38.00	3103	141.00	19456	241.00	2829	341.00	2447
39.00	22376	142.00	6829	242.00	6523	342.00	666
40.00	1148	143.00	3897	243.00	3085	343.00	162
41.00	544	144.00	1174	244.00	95496	344.00	57
42.00	27	145.00	1052	245.00	13441	346.00	4570
43.00	258	146.00	3564	246.00	19320	347.00	793
45.00	38	147.00	10482	247.00	3828	348.00	62
46.00	35	148.00	23352	248.00	1064	350.00	51
47.00	251	149.00	4364	249.00	2895	350.00	180
48.00	108	150.00	1199	250.00	1041	351.00	361
49.00	322	151.00	2613	251.00	826	352.00	6456
50.00	79056	152.00	711	252.00	1035	353.00	4013
51.00	305024	153.00	6444	253.00	2590	354.00	6864
52.00	15002	154.00	5010	255.00	461056	355.00	1170
53.00	779	155.00	11159	256.00	72920	356.00	279
55.00	1533	156.00	17712	257.00	5873	357.00	150
56.00	8194	157.00	3447	258.00	27856	358.00	63
57.00	20240	158.00	4145	259.00	4690	359.00	544
58.00	982	159.00	3019	260.00	754	360.00	54
59.00	394	160.00	6696	261.00	817	362.00	104
60.00	94	161.00	9492	262.00	150	363.00	172
61.00	3500	162.00	2587	263.00	305	365.00	32008
62.00	4333	163.00	655	264.00	1237	366.00	4351
63.00	12101	164.00	1040	265.00	11723	367.00	273
64.00	1734	165.00	7747	266.00	1180	368.00	34
65.00	5714	166.00	6728	267.00	204	369.00	58
66.00	451	167.00	43936	269.00	183	370.00	627
67.00	432	168.00	18888	270.00	546	371.00	1788
69.00	303936	169.00	3149	271.00	997	372.00	11703
70.00	1425	170.00	1411	272.00	365	373.00	2422
71.00	112	171.00	1829	273.00	16197	374.00	295
73.00	2361	172.00	3377	274.00	41464	377.00	198

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d\W-LVI-8270.rsl\spectra.d

Injection Date: 23-Nov-2021 03:18:30

Spectrum: Tune Spec :Average 1538-1540(10.55-10.56) Bgrd 1531(10.51)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	32696	173.00	5208	275.00	213376	378.00	89
75.00	51184	174.00	8630	276.00	29704	380.00	33
76.00	17816	175.00	16464	277.00	19632	382.00	34
77.00	359296	176.00	5301	278.00	3425	383.00	3039
78.00	23896	177.00	7318	279.00	718	384.00	785
79.00	21616	178.00	1948	280.00	158	385.00	315
80.00	17232	179.00	30704	281.00	59	386.00	55
81.00	25168	180.00	21104	282.00	601	388.00	36
82.00	6186	181.00	9384	283.00	1936	389.00	247
83.00	5662	182.00	1695	284.00	1383	390.00	1672
84.00	355	183.00	1115	285.00	3784	391.00	994
85.00	4243	184.00	2555	286.00	646	392.00	698
86.00	6662	185.00	15489	287.00	112	393.00	108
87.00	2906	186.00	114800	288.00	295	395.00	60
88.00	969	187.00	33112	289.00	664	395.00	54
89.00	581	188.00	3068	290.00	757	396.00	130
90.00	170	189.00	7078	291.00	442	397.00	140
91.00	5131	190.00	1374	292.00	1009	400.00	35
92.00	6247	191.00	3292	293.00	4558	401.00	713
93.00	39696	192.00	9731	294.00	1112	402.00	4710
94.00	2589	193.00	10105	296.00	64448	403.00	6146
95.00	690	194.00	2660	297.00	8708	404.00	1682
96.00	1842	195.00	1078	298.00	694	405.00	422
98.00	31424	196.00	23240	299.00	176	407.00	43
99.00	22968	198.00	818048	301.00	911	409.00	40
100.00	1986	199.00	56824	302.00	950	410.00	170
101.00	13622	200.00	4978	303.00	7168	412.00	82
102.00	635	202.00	3687	304.00	1751	414.00	38
103.00	3770	203.00	6620	305.00	337	414.00	45
104.00	8545	204.00	32192	306.00	102	415.00	339
105.00	8375	205.00	53160	307.00	34	416.00	62
107.00	108968	206.00	217536	308.00	959	417.00	53
108.00	17232	207.00	28528	309.00	620	418.00	52
110.00	199040	208.00	7429	310.00	803	419.00	156

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d\W-LVI-8270.rsl\spectra.d

Injection Date: 23-Nov-2021 03:18:30

Spectrum: Tune Spec :Average 1538-1540(10.55-10.56) Bgrd 1531(10.51)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 377

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	31080	209.00	2401	311.00	295	421.00	5582
112.00	4167	210.00	2042	312.00	281	423.00	39696
113.00	1156	211.00	8201	313.00	375	424.00	8893
114.00	346	212.00	326	314.00	3343	425.00	694
115.00	435	213.00	718	315.00	6676	426.00	123
116.00	3339	214.00	25	316.00	3453	427.00	166
117.00	96040	215.00	2399	317.00	929	428.00	339
118.00	6717	216.00	631	318.00	86	429.00	358
119.00	746	217.00	57008	319.00	236	430.00	265
120.00	1630	218.00	7938	320.00	293	431.00	237
121.00	319	219.00	620	321.00	2250	432.00	350
122.00	7166	221.00	40808	322.00	138	433.00	287
123.00	11441	223.00	13137	323.00	22472	434.00	251
124.00	4938	224.00	125952	324.00	3907	435.00	249
125.00	4555	225.00	32032	325.00	352	436.00	306
127.00	388800	227.00	53176	326.00	222	437.00	377
128.00	31128	228.00	7194	327.00	4101	438.00	549
129.00	154816	229.00	10822	328.00	1605	439.00	596
130.00	13339	230.00	1306	329.00	314	440.00	61
131.00	2564	231.00	4576	330.00	169	441.00	10456
132.00	1390	232.00	574	331.00	99	442.00	675264
133.00	504	233.00	910	332.00	1621	443.00	136768
134.00	4403	234.00	3817	333.00	2162	444.00	12686
135.00	12290	235.00	4023	334.00	14212	445.00	710
136.00	4805	236.00	2084	335.00	3583	446.00	47
137.00	6292	237.00	3971	336.00	463		
138.00	1542	238.00	650	337.00	48		
139.00	717	239.00	2032	339.00	446		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d

Injection Date: 23-Nov-2021 03:18:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

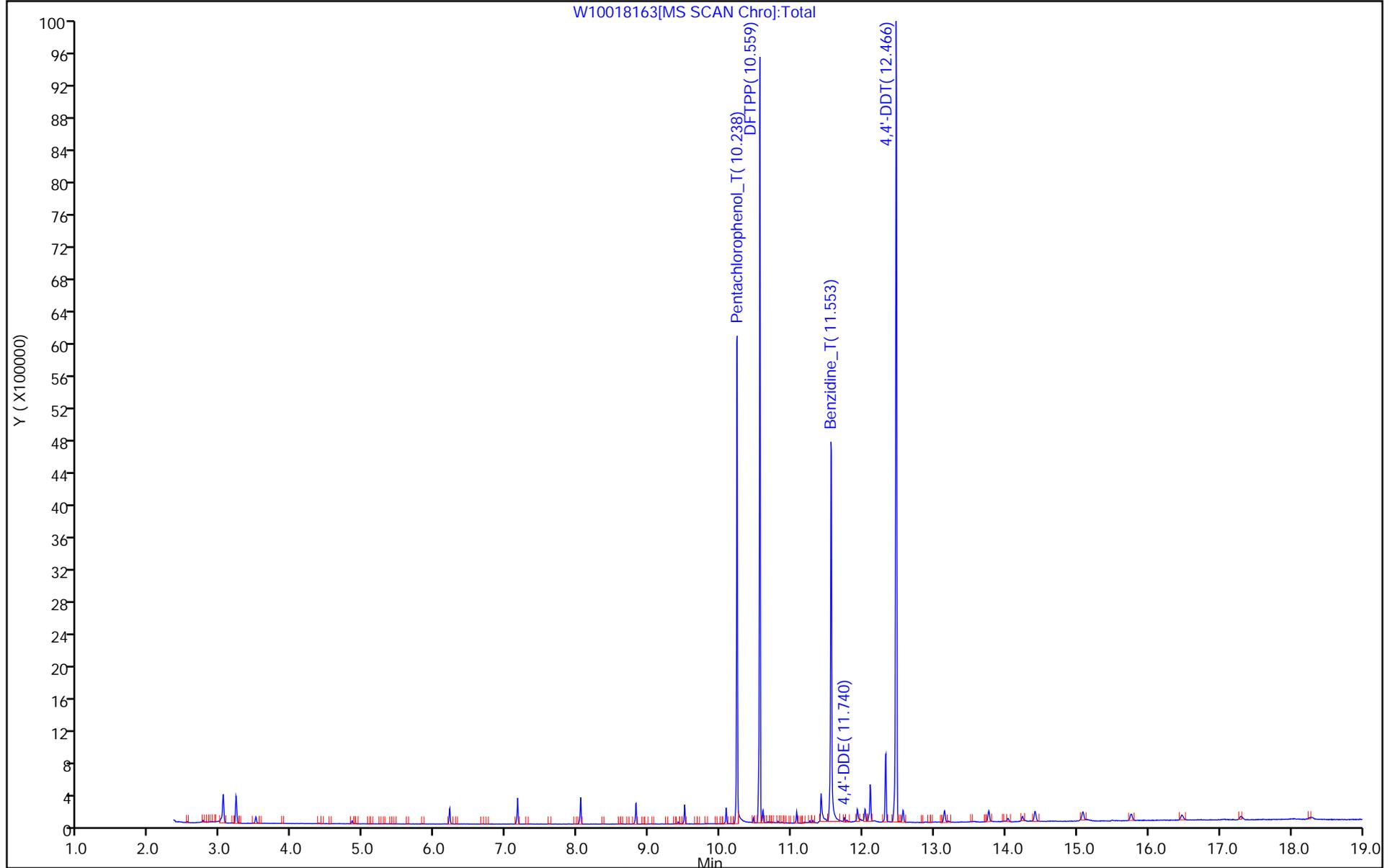
Dil. Factor: 1.0000

ALS Bottle#: 30

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d
Injection Date: 23-Nov-2021 03:18:30 Instrument ID: HP5973W
Lims ID: DFTPP
Client ID:
Operator ID: PJO ALS Bottle#: 30 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

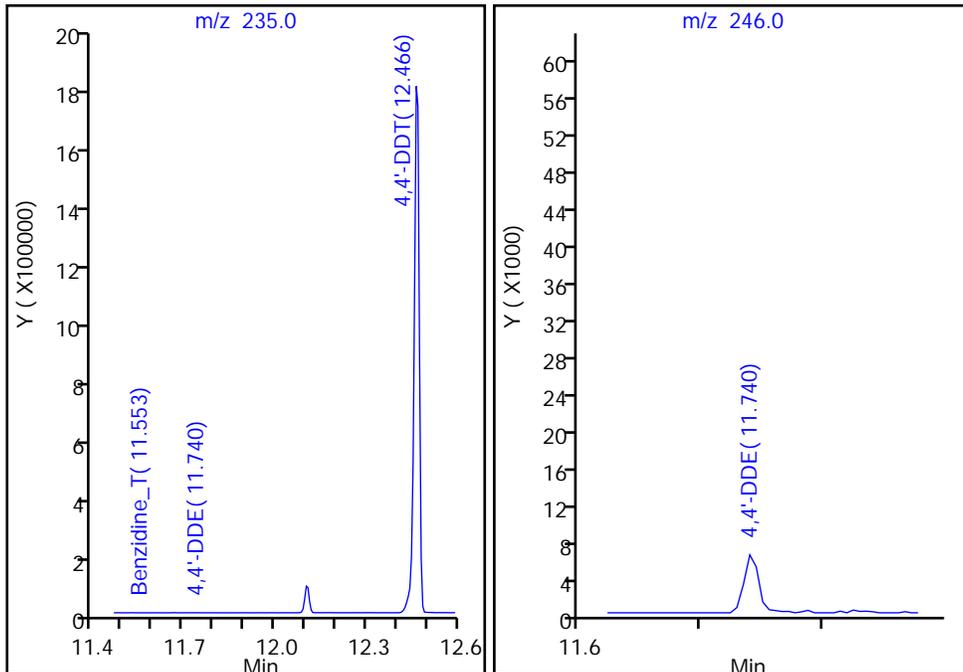
253 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

253 4,4'-DDT, Area = 2112955
252 4,4'-DDD, Area = 0
251 4,4'-DDE, Area = 5364

%Breakdown: 0.25%, <= 20.00%
Passed



Eurofins TestAmerica, Buffalo

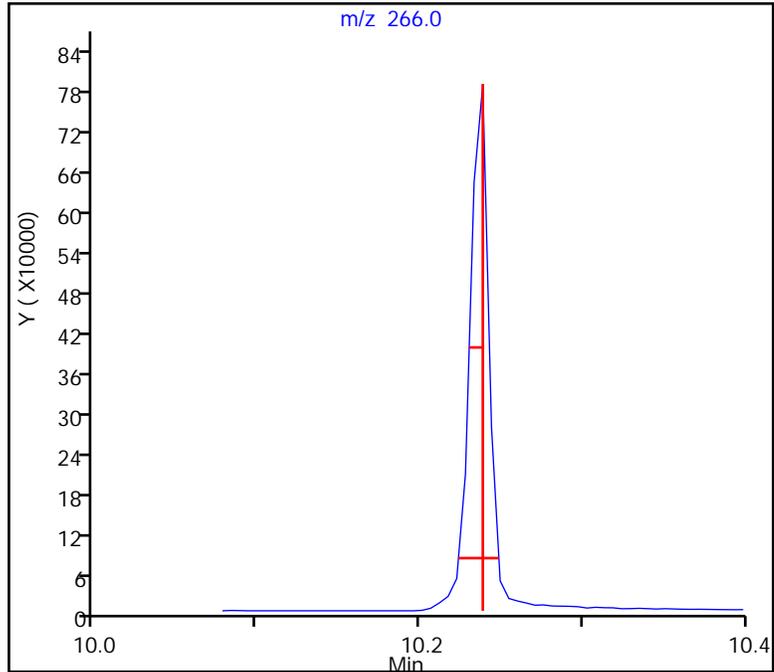
Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d
Injection Date: 23-Nov-2021 03:18:30 Instrument ID: HP5973W
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 30 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

248 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



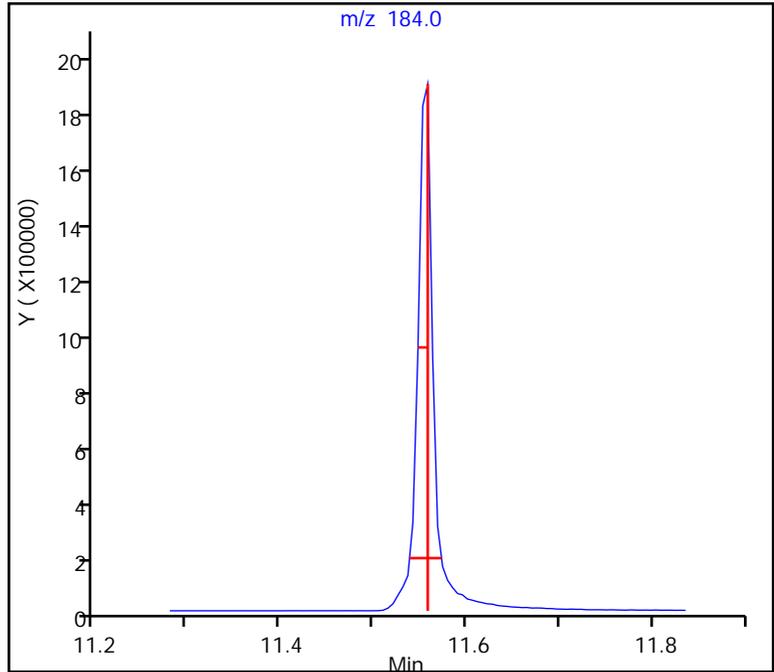
Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018163.d
Injection Date: 23-Nov-2021 03:18:30 Instrument ID: HP5973W
Lims ID: DFTPP
Client ID:
Operator ID: PJQ ALS Bottle#: 30 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
250 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 0.75, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 12-Nov-2021 10:55:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102375-002
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 15-Nov-2021 09:59:24 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1601

First Level Reviewer: marshallj Date: 12-Nov-2021 11:15:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	10.299	10.299	0.000	95	1034059	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.635	11.635	0.000	98	4296226	NR	NR	
253 4,4'-DDE	246	11.822	11.822	0.000	81	2604		NR	
254 4,4'-DDD	235	12.188	12.188	0.000	97	18474		NR	
255 4,4'-DDT	235	12.563	12.563	0.000	99	3397321	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

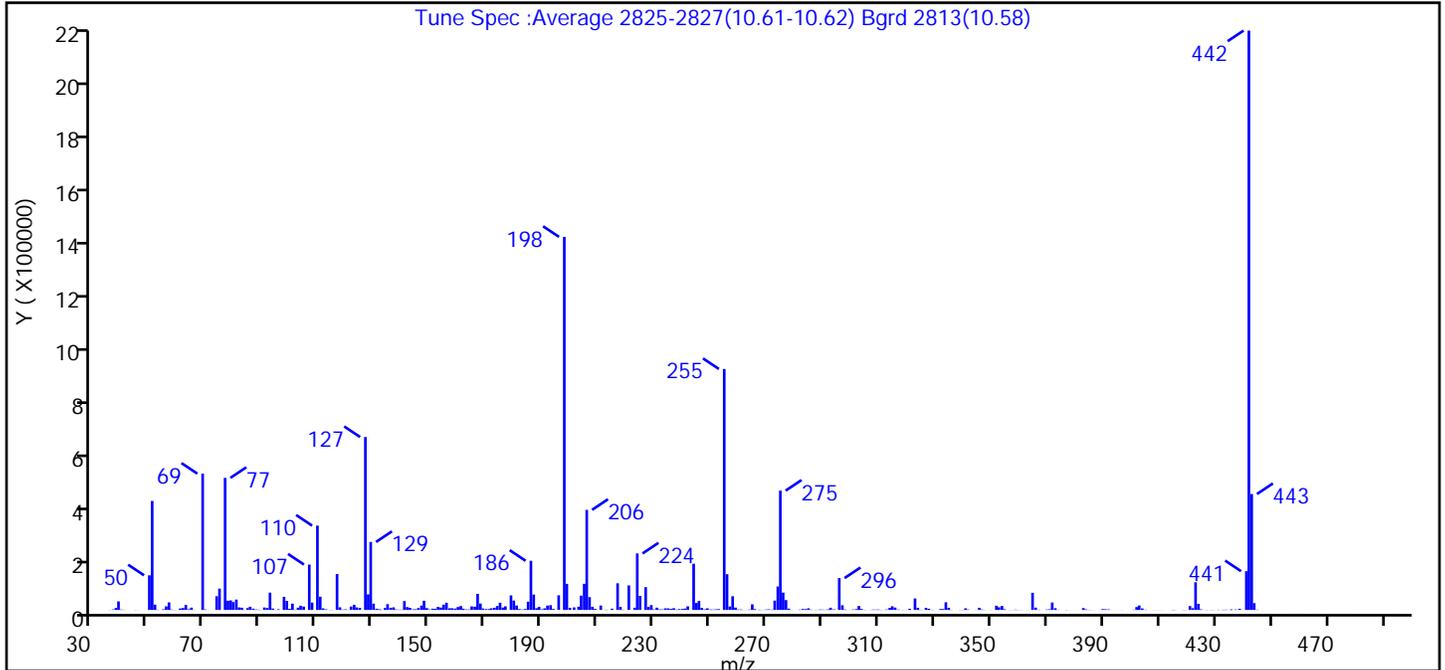
Reagents:

MB_DFTPP_WRK_00401 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D
 Injection Date: 12-Nov-2021 10:55:30 Instrument ID: HP5973Y
 Lims ID: DFTPP
 Client ID:
 Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
 Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (64.4)
51	10-80% of the base peak	29.2
68	<2% of mass 69	0.0 (0.0)
69	Present	36.5
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	46.4
197	<2% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-60% of the base peak	32.0
365	>1% of mass 198	4.6
441	present but <24% of mass 442	10.4 (6.7)
442	base peak, or >50% of 198	155.3
443	15-24% of mass 442	31.1 (20.0)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D\Y-LVI-8270.rsl\spectra.d
Injection Date: 12-Nov-2021 10:55:30
Spectrum: Tune Spec :Average 2825-2827(10.61-10.62) Bgrd 2813(10.58)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	51	147.00	16065	255.00	889856	357.00	424
36.00	564	148.00	34056	256.00	132032	358.00	381
37.00	1932	149.00	6729	257.00	12724	359.00	1189
38.00	7233	150.00	1622	258.00	50520	360.00	449
39.00	31576	151.00	4681	259.00	8720	361.00	441
40.00	1380	152.00	4122	260.00	1672	362.00	94
41.00	573	153.00	11179	261.00	1818	363.00	444
43.00	141	154.00	8754	262.00	354	365.00	63312
45.00	477	155.00	19448	263.00	309	366.00	8538
46.00	158	156.00	26688	264.00	1404	367.00	793
47.00	90	157.00	6081	265.00	20704	368.00	144
50.00	127968	158.00	6205	266.00	2970	369.00	88
51.00	402560	159.00	5091	268.00	893	370.00	1571
52.00	19576	160.00	10808	268.00	441	371.00	2332
53.00	892	161.00	14464	269.00	715	372.00	27424
55.00	2316	162.00	4603	270.00	1447	373.00	6447
56.00	13301	163.00	1814	271.00	2199	374.00	563
57.00	27944	164.00	1505	272.00	1008	377.00	604
58.00	1395	165.00	13032	273.00	34504	378.00	164
59.00	665	166.00	12066	274.00	86744	379.00	91
61.00	5317	167.00	59496	275.00	440640	380.00	173
62.00	7179	168.00	23696	276.00	64032	382.00	102
63.00	18400	169.00	5333	277.00	36400	383.00	6793
64.00	2498	170.00	3104	278.00	4878	384.00	2097
65.00	8572	171.00	3411	279.00	574	385.00	748
66.00	422	172.00	6026	280.00	56	386.00	295
69.00	503296	173.00	7991	281.00	129	387.00	118
70.00	1735	174.00	14458	282.00	1195	389.00	215
71.00	239	175.00	26696	283.00	3515	390.00	3069
74.00	50736	176.00	8907	284.00	3078	391.00	2599
75.00	78864	177.00	13406	285.00	6099	392.00	1964
77.00	487744	179.00	53776	286.00	1045	393.00	249
78.00	34240	180.00	34800	287.00	46	394.00	177

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D\Y-LVI-8270.rsl\spectra.d

Injection Date: 12-Nov-2021 10:55:30

Spectrum: Tune Spec :Average 2825-2827(10.61-10.62) Bgrd 2813(10.58)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	35272	181.00	16286	288.00	658	395.00	47
80.00	29080	182.00	3080	289.00	1525	396.00	53
81.00	38296	183.00	1622	290.00	1284	397.00	372
82.00	9339	184.00	3387	291.00	872	398.00	48
83.00	8157	185.00	30552	292.00	1991	399.00	94
84.00	436	186.00	181568	293.00	8170	401.00	776
85.00	6795	187.00	56752	294.00	2087	402.00	10749
86.00	11909	188.00	6473	296.00	117640	403.00	16480
87.00	4742	189.00	11332	297.00	17256	404.00	5542
88.00	1890	190.00	2208	298.00	1567	405.00	907
89.00	1072	191.00	5915	299.00	403	407.00	116
90.00	341	192.00	16101	300.00	197	408.00	185
91.00	9022	193.00	17568	301.00	1712	408.00	135
92.00	7149	194.00	3455	302.00	2960	409.00	295
93.00	63968	196.00	54136	303.00	14594	410.00	317
94.00	5149	198.00	1377792	304.00	3617	411.00	243
95.00	381	199.00	96456	305.00	639	412.00	72
96.00	2502	200.00	7763	306.00	181	413.00	89
98.00	48544	202.00	9418	307.00	211	414.00	142
99.00	33536	203.00	12029	308.00	1398	415.00	756
100.00	4122	204.00	52800	309.00	1198	416.00	377
101.00	23416	205.00	96568	310.00	1643	418.00	313
102.00	830	206.00	369664	311.00	606	419.00	386
103.00	8264	207.00	47208	312.00	400	420.00	332
104.00	15614	208.00	11707	313.00	1651	421.00	14295
105.00	12521	209.00	3903	314.00	7419	422.00	6378
107.00	167616	211.00	16336	315.00	13546	423.00	102160
108.00	27136	213.00	1089	316.00	8755	424.00	22328
110.00	311424	214.00	157	317.00	1523	425.00	2234
111.00	48992	215.00	4569	318.00	233	426.00	254
112.00	5966	217.00	98456	319.00	458	427.00	578
113.00	2190	218.00	11270	320.00	486	428.00	274
114.00	319	219.00	927	321.00	4248	429.00	461
115.00	546	221.00	90600	323.00	42384	430.00	360

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D\Y-LVI-8270.rsl\spectra.d

Injection Date: 12-Nov-2021 10:55:30

Spectrum: Tune Spec :Average 2825-2827(10.61-10.62) Bgrd 2813(10.58)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	132608	223.00	8218	324.00	8002	431.00	926
118.00	9797	224.00	208640	325.00	730	433.00	783
119.00	1335	225.00	51848	326.00	254	433.00	674
120.00	2261	227.00	84208	327.00	7372	434.00	1028
121.00	561	228.00	11075	328.00	4310	436.00	964
122.00	12721	229.00	17952	329.00	706	436.00	1791
123.00	19024	230.00	1993	330.00	345	437.00	1636
124.00	9361	231.00	8422	332.00	3429	439.00	4390
125.00	7562	232.00	1858	333.00	3242	441.00	143168
127.00	638656	233.00	1811	334.00	28392	442.00	2139648
128.00	57496	234.00	5921	335.00	7793	443.00	428096
129.00	251136	235.00	5727	336.00	539	444.00	25088
130.00	23128	236.00	3722	338.00	79	445.00	909
131.00	4412	237.00	6407	339.00	537	446.00	43
132.00	2376	238.00	1259	340.00	479	447.00	60
133.00	1114	239.00	3103	341.00	6027	449.00	77
134.00	7186	240.00	3525	342.00	1475	450.00	35
135.00	21368	241.00	5042	343.00	46	457.00	64
136.00	7855	242.00	13257	344.00	213	459.00	35
137.00	9564	244.00	170688	345.00	169	461.00	118
138.00	1909	245.00	25720	346.00	7927	467.00	44
139.00	997	246.00	33192	347.00	1613	468.00	34
140.00	914	247.00	7518	348.00	502	473.00	68
141.00	32840	248.00	2151	350.00	346	476.00	47
142.00	10502	249.00	5912	352.00	15684	478.00	46
143.00	7678	250.00	1549	353.00	9979	491.00	36
144.00	2081	251.00	1339	354.00	14816	494.00	42
145.00	2395	252.00	2198	355.00	2430		
146.00	7038	253.00	3100	356.00	28		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D

Injection Date: 12-Nov-2021 10:55:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

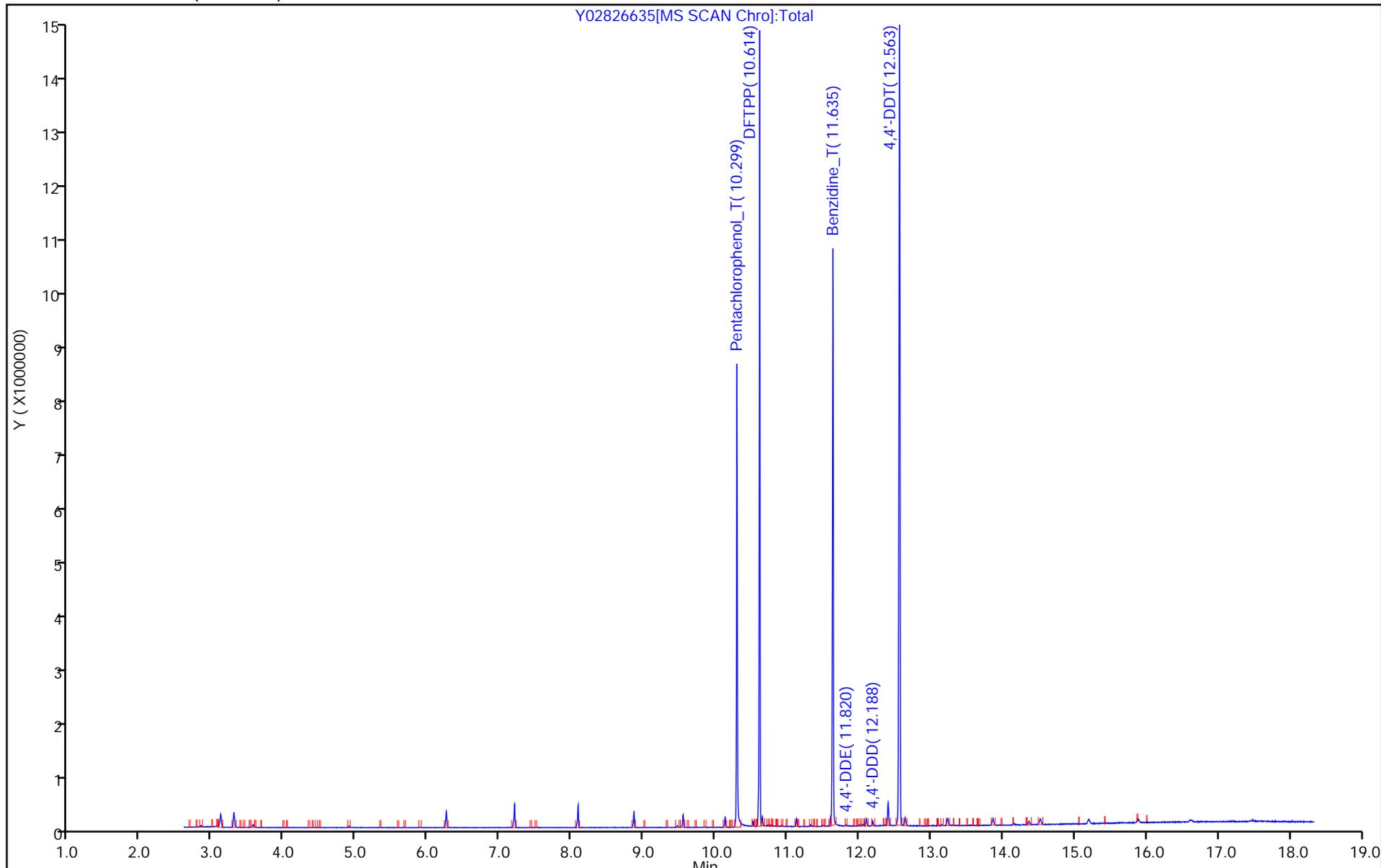
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D
Injection Date: 12-Nov-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

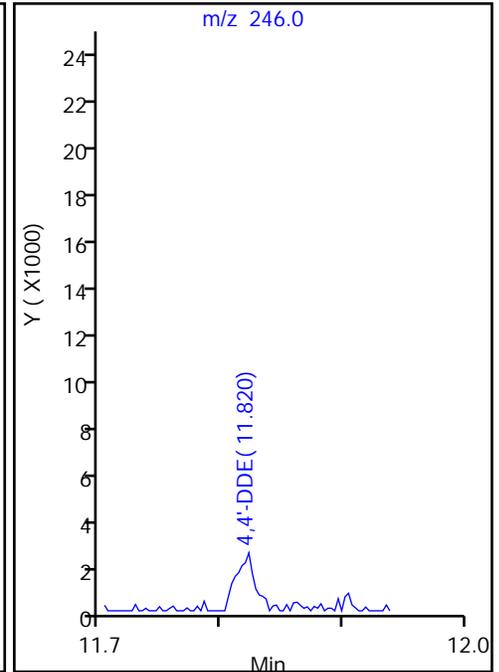
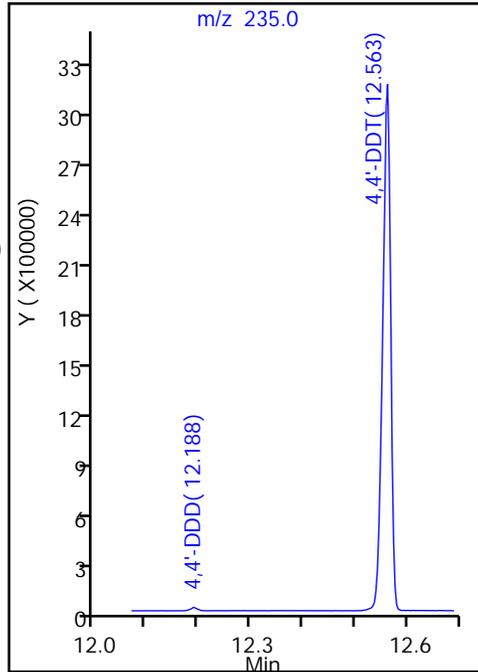
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 3397321
254 4,4'-DDD, Area = 18474
253 4,4'-DDE, Area = 2604

%Breakdown: 0.62%, <= 20.00%
Passed



Eurofins TestAmerica, Buffalo

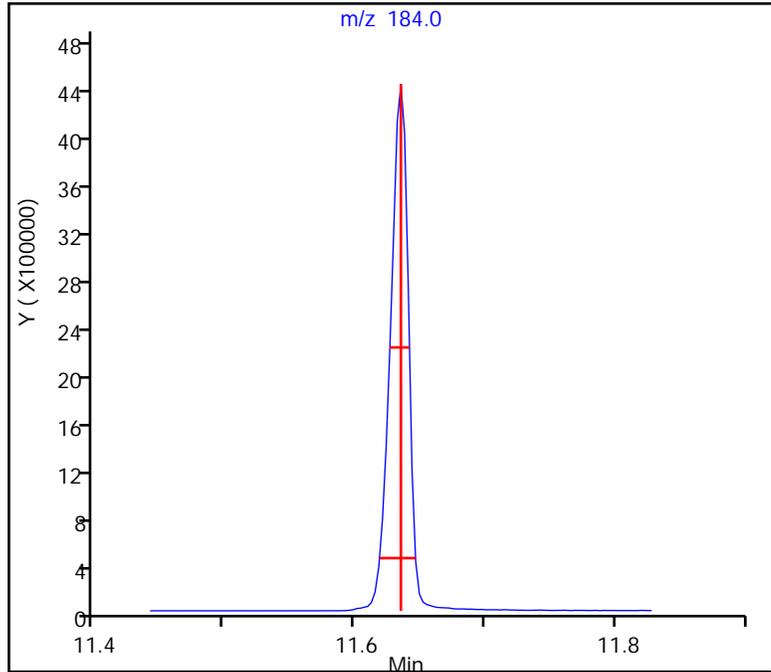
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Injection Date: 12-Nov-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.69, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo

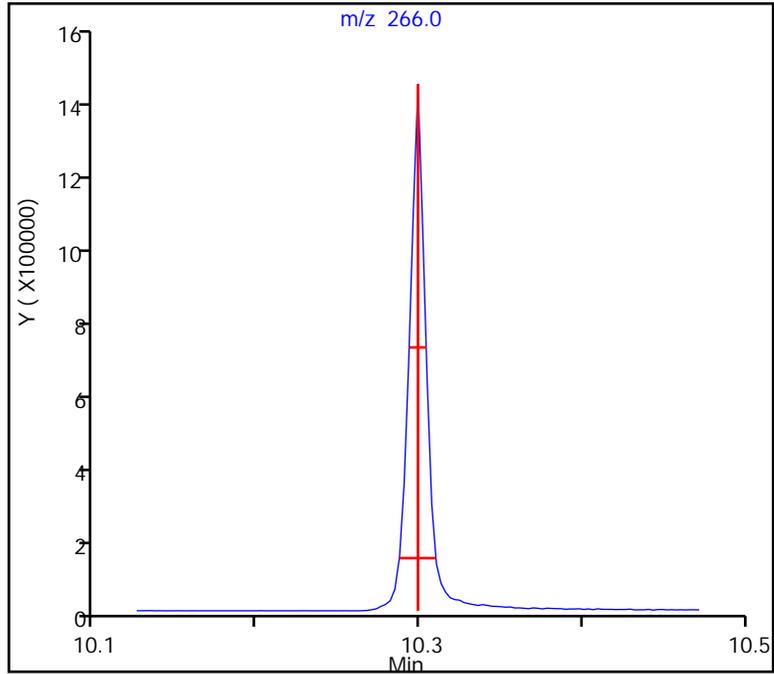
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826635.D
Injection Date: 12-Nov-2021 10:55:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 30-Nov-2021 13:12:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-002
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:26:51 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj Date: 30-Nov-2021 13:33:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
250 Pentachlorophenol_T	266	10.164	10.164	0.000	96	608190	NR	NR	
251 DFTPP									
252 Benzidine_T	184	11.475	11.475	0.000	98	2785559	NR	NR	
253 4,4'-DDE	246	11.648	11.648	0.000	89	3020		NR	
254 4,4'-DDD	235	12.006	12.006	0.000	97	17106		NR	
255 4,4'-DDT	235	12.363	12.363	0.000	98	2313144	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

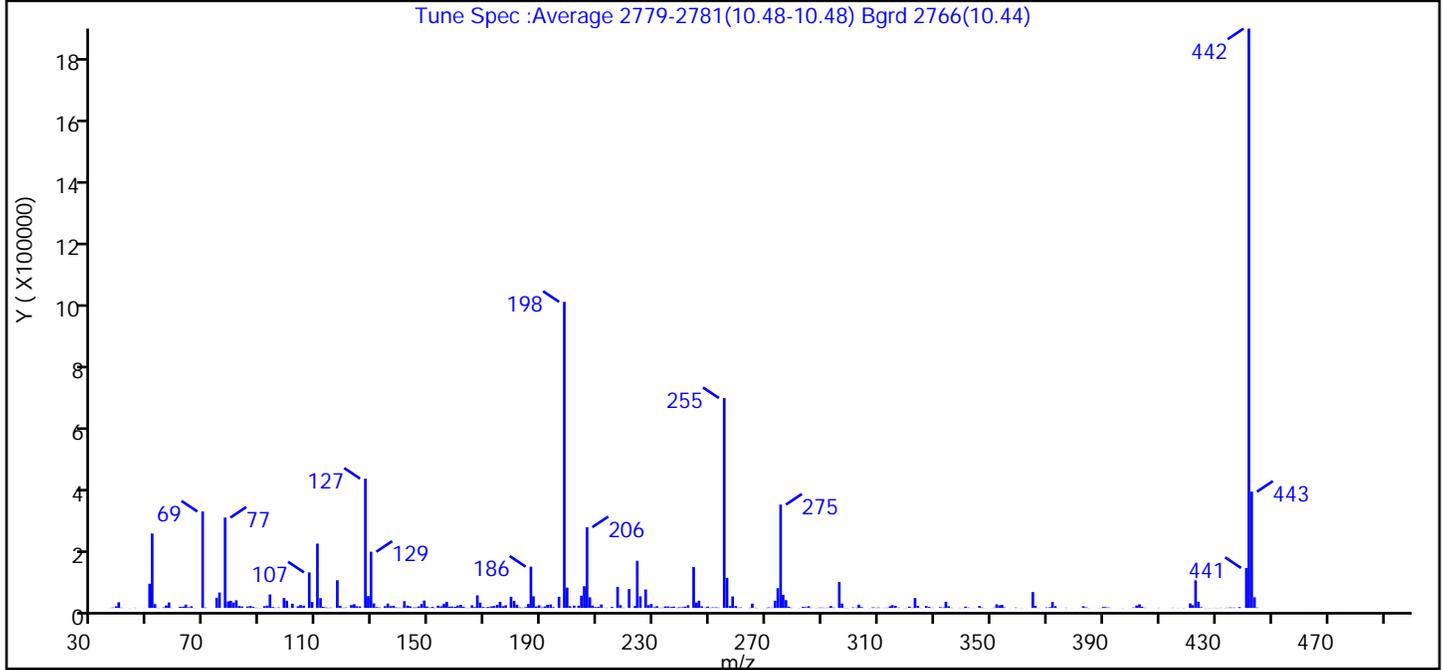
Reagents:

MB_DFTPP_WRK_00401 Amount Added: 1.00 Units: mL

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D
 Injection Date: 30-Nov-2021 13:12:30 Instrument ID: HP5973Y
 Lims ID: DFTPP
 Client ID:
 Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
 Tune Method: DFTPP Method 8270D, BP 198

251 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (52.8)
51	10-80% of the base peak	24.3
68	<2% of mass 69	0.0 (0.0)
69	Present	31.5
70	<2% of mass 69	0.1 (0.4)
127	10-80% of the base peak	42.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.6
275	10-60% of the base peak	33.8
365	>1% of mass 198	5.2
441	present but <24% of mass 442	13.1 (6.9)
442	base peak, or >50% of 198	189.3
443	15-24% of mass 442	38.0 (20.1)

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D\Y-LVI-8270.rslt\spectra.d
Injection Date: 30-Nov-2021 13:12:30
Spectrum: Tune Spec :Average 2779-2781(10.48-10.48) Bgrd 2766(10.44)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	47	143.00	5226	249.00	4307	355.00	1877
36.00	318	144.00	1485	250.00	930	357.00	43
37.00	1381	145.00	1606	251.00	1796	357.00	267
38.00	5289	146.00	4481	252.00	1744	359.00	1356
39.00	18360	147.00	12280	253.00	1009	360.00	277
40.00	977	148.00	23888	255.00	674240	361.00	511
41.00	329	149.00	4482	256.00	96560	363.00	218
43.00	380	150.00	1398	257.00	6135	365.00	51016
44.00	129	151.00	3395	258.00	37080	366.00	6568
45.00	784	152.00	512	259.00	6054	367.00	367
46.00	52	153.00	7362	260.00	1096	369.00	85
47.00	49	154.00	5193	261.00	1687	370.00	1612
48.00	214	155.00	12696	262.00	116	371.00	2530
50.00	77776	156.00	19544	264.00	782	372.00	19224
51.00	239104	157.00	3948	265.00	13780	373.00	5626
52.00	12391	158.00	4520	266.00	700	374.00	332
53.00	718	159.00	3594	267.00	535	377.00	758
54.00	39	160.00	7783	270.00	752	378.00	182
55.00	1528	161.00	9903	271.00	1701	379.00	187
56.00	8014	162.00	3358	272.00	1049	381.00	45
57.00	17504	163.00	744	273.00	23088	382.00	228
58.00	667	164.00	606	274.00	63624	383.00	5619
60.00	8	165.00	8638	275.00	331968	384.00	1821
61.00	3797	166.00	2657	276.00	42472	385.00	452
62.00	4128	167.00	40528	277.00	25120	387.00	78
63.00	10900	168.00	17104	278.00	4187	388.00	78
64.00	2318	169.00	2998	279.00	856	389.00	423
65.00	5303	170.00	2128	282.00	439	390.00	2969
66.00	341	171.00	2886	283.00	3406	391.00	2594
67.00	304	172.00	4927	284.00	2313	392.00	1450
69.00	309824	173.00	6280	285.00	5578	393.00	196
70.00	1286	174.00	9911	286.00	822	395.00	109
71.00	98	175.00	19512	287.00	89	396.00	228

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D\Y-LVI-8270.rsl\spectra.d

Injection Date: 30-Nov-2021 13:12:30

Spectrum: Tune Spec :Average 2779-2781(10.48-10.48) Bgrd 2766(10.44)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	9	176.00	5514	288.00	404	397.00	483
74.00	32536	177.00	8580	289.00	1296	398.00	115
75.00	49656	179.00	35992	290.00	1106	399.00	180
77.00	290240	180.00	22456	291.00	669	400.00	155
78.00	21072	181.00	10417	292.00	1231	401.00	1568
79.00	23048	182.00	1838	293.00	5980	402.00	7932
80.00	17296	183.00	1017	294.00	1250	403.00	11727
81.00	24592	184.00	2582	296.00	83384	404.00	4027
82.00	6201	185.00	12805	297.00	13856	405.00	876
83.00	4831	186.00	132672	298.00	577	406.00	175
84.00	12	187.00	37424	299.00	467	407.00	134
85.00	4791	188.00	4322	300.00	75	408.00	40
86.00	6580	189.00	8622	301.00	1685	409.00	140
87.00	3301	190.00	1712	302.00	1187	410.00	690
88.00	869	191.00	4636	303.00	10445	411.00	70
89.00	494	192.00	10206	304.00	2571	412.00	60
90.00	179	193.00	11178	305.00	184	413.00	128
91.00	5657	194.00	2322	307.00	204	414.00	99
92.00	7391	196.00	35824	307.00	216	415.00	785
93.00	43440	198.00	983360	308.00	1836	417.00	523
94.00	2994	199.00	65368	309.00	1087	417.00	119
95.00	932	200.00	5666	310.00	1583	418.00	359
96.00	1739	202.00	7597	311.00	225	419.00	307
98.00	32256	203.00	7219	312.00	694	421.00	14641
99.00	23224	204.00	39408	313.00	797	422.00	8886
100.00	897	205.00	69960	314.00	5216	423.00	88832
101.00	13582	206.00	259520	315.00	9181	424.00	20112
102.00	150	207.00	34048	316.00	6714	425.00	2375
103.00	5478	208.00	7505	317.00	1257	427.00	405
104.00	9336	209.00	2877	318.00	112	428.00	81
105.00	7222	210.00	3428	319.00	197	428.00	313
107.00	114232	211.00	11129	320.00	491	429.00	271
108.00	19056	213.00	821	321.00	4202	430.00	562
110.00	206656	214.00	22	322.00	916	431.00	450

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D\Y-LVI-8270.rsl\spectra.d

Injection Date: 30-Nov-2021 13:12:30

Spectrum: Tune Spec :Average 2779-2781(10.48-10.48) Bgrd 2766(10.44)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	31456	215.00	3244	323.00	31792	432.00	750
112.00	3449	217.00	67976	324.00	6949	433.00	375
113.00	1525	218.00	8777	325.00	377	434.00	792
114.00	523	219.00	895	327.00	6198	435.00	1382
115.00	1222	221.00	60664	328.00	3213	436.00	858
117.00	88888	223.00	5824	329.00	757	437.00	1241
118.00	6899	224.00	151424	330.00	87	439.00	2467
119.00	898	225.00	37312	331.00	37	439.00	1003
120.00	1476	227.00	59248	332.00	2653	441.00	128488
122.00	9272	228.00	8849	333.00	1638	442.00	1861120
123.00	11980	229.00	12716	334.00	19896	443.00	373504
124.00	5381	230.00	2134	335.00	5270	444.00	34184
125.00	4774	231.00	5577	336.00	788	445.00	1305
127.00	415360	232.00	860	337.00	73	447.00	36
128.00	38120	233.00	898	339.00	707	449.00	38
129.00	180544	234.00	4979	340.00	405	455.00	39
130.00	14577	235.00	4798	341.00	4133	456.00	38
131.00	2756	236.00	3084	342.00	1252	458.00	38
132.00	1674	237.00	4277	343.00	272	462.00	41
133.00	30	238.00	977	344.00	271	464.00	60
134.00	5617	239.00	2200	346.00	6340	465.00	78
135.00	13943	240.00	2141	347.00	1334	471.00	73
136.00	5815	241.00	4120	348.00	291	475.00	157
137.00	6953	242.00	8750	349.00	72	482.00	37
138.00	1668	244.00	131712	350.00	325	483.00	40
139.00	1083	245.00	17176	351.00	953	492.00	55
140.00	953	246.00	23328	352.00	11558	493.00	173
141.00	21800	247.00	5137	353.00	8187	497.00	35
142.00	7546	248.00	1034	354.00	9849		

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D

Injection Date: 30-Nov-2021 13:12:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: DFTPP

Worklist Smp#: 2

Client ID:

Injection Vol: 2.0 ul

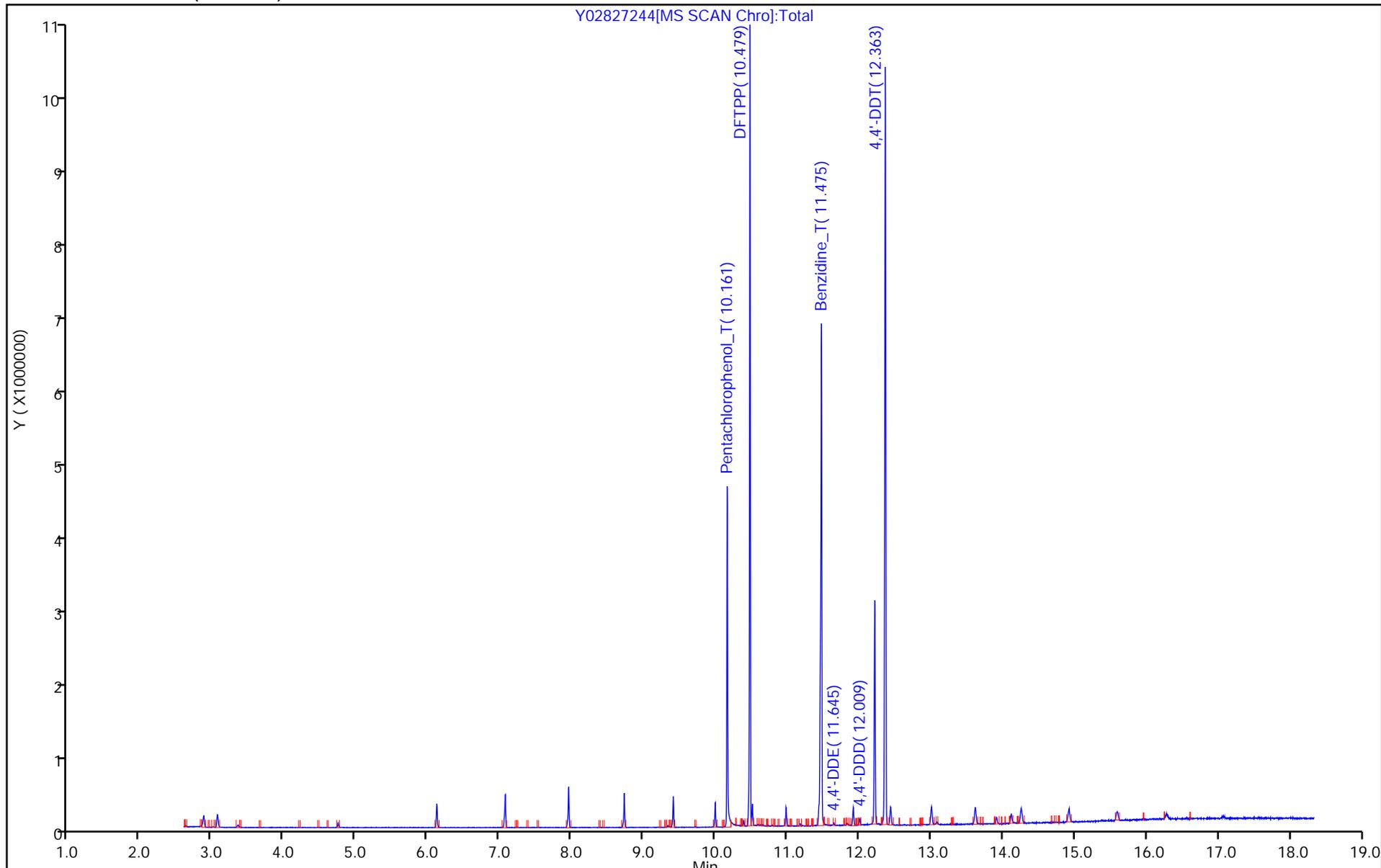
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D
Injection Date: 30-Nov-2021 13:12:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

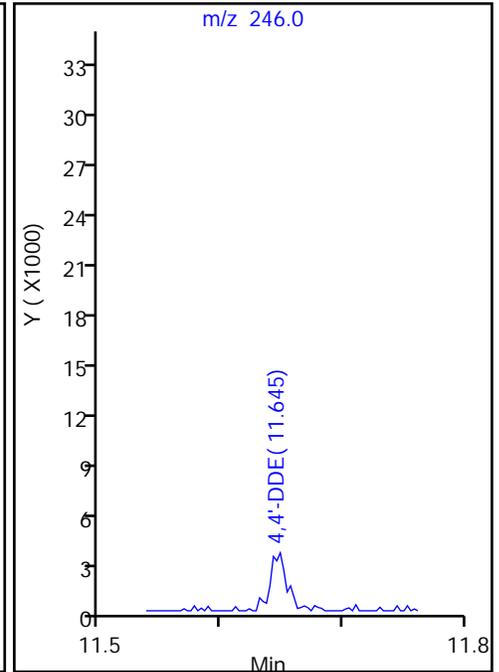
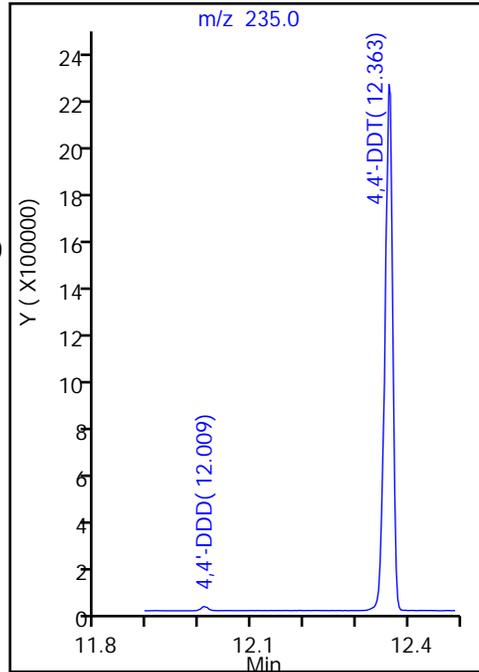
255 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

255 4,4'-DDT, Area = 2313144
254 4,4'-DDD, Area = 17106
253 4,4'-DDE, Area = 3020

%Breakdown: 0.86%, <= 20.00%
Passed



Eurofins TestAmerica, Buffalo

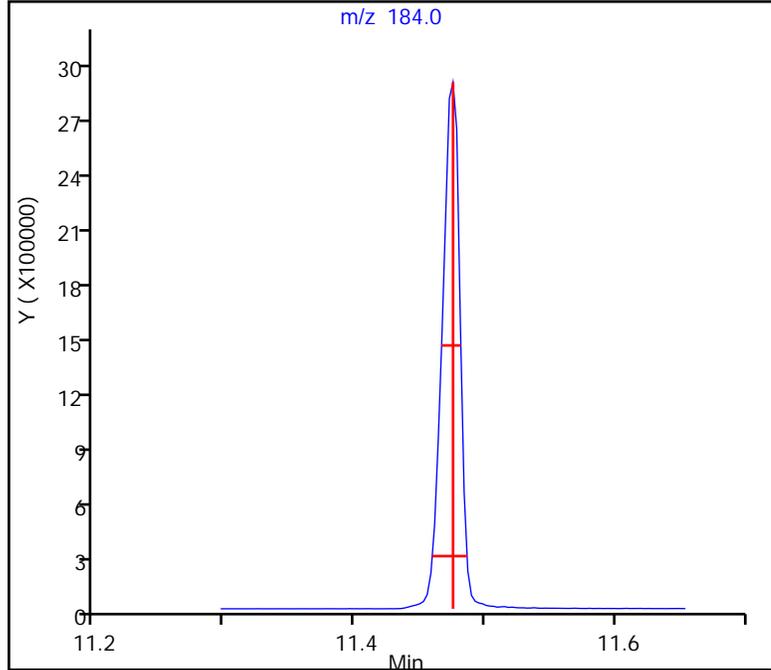
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D
Injection Date: 30-Nov-2021 13:12:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

252 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.69, Max. Tailing <= 2.00
Passed



Eurofins TestAmerica, Buffalo

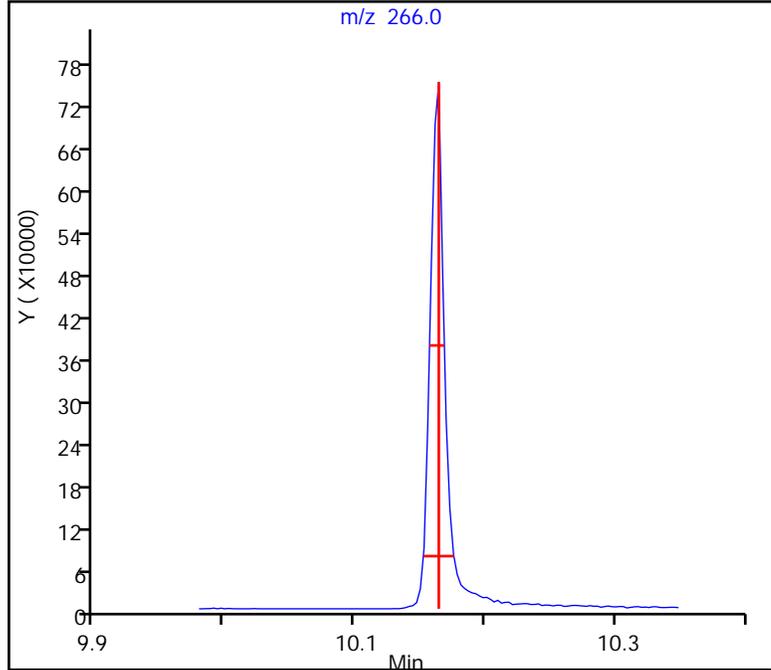
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827244.D
Injection Date: 30-Nov-2021 13:12:30 Instrument ID: HP5973Y
Lims ID: DFTPP
Client ID:
Operator ID: JM ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL

250 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-605089/1-A
 Matrix: Water Lab File ID: W10018172.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 07:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-605089/1-A
 Matrix: Water Lab File ID: W10018172.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 07:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	0.905	J	5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-605089/1-A
 Matrix: Water Lab File ID: W10018172.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 07:23
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	121	S1+	46-120
4165-62-2	Phenol-d5 (Surr)	72		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	138		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	99		41-120
321-60-8	2-Fluorobiphenyl (Surr)	129	S1+	48-120
367-12-4	2-Fluorophenol (Surr)	97		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018172.d
 Lims ID: MB 480-605089/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Nov-2021 07:23:30 ALS Bottle#: 39 Worklist Smp#: 11
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-011
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 14:25:52 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: quirkp

Date: 23-Nov-2021 14:25:52

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.574	6.574	0.000	97	229980	4.00	4.00	
* 2 Naphthalene-d8	136	7.663	7.664	-0.001	100	890828	4.00	4.00	
* 3 Acenaphthene-d10	164	9.149	9.149	0.000	92	510441	4.00	4.00	
* 4 Phenanthrene-d10	188	10.404	10.410	-0.006	97	862997	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	100	767742	4.00	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	810516	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	582871	8.00	7.78	
\$ 8 Phenol-d5	99	6.226	6.221	0.005	99	545401	8.00	5.80	
\$ 9 Nitrobenzene-d5	82	7.038	7.044	-0.006	89	835948	8.00	9.70	
\$ 10 2-Fluorobiphenyl	172	8.550	8.556	-0.006	99	1665020	8.00	10.3	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.806	0.000	93	215776	8.00	7.89	
\$ 12 p-Terphenyl-d14	244	11.809	11.799	0.005	98	2066246	8.00	11.0	
13 o-Anisidine	1		0.750						ND
14 1,4-Dioxane	88		3.620						ND
15 N-Nitrosodimethylamine	42		4.010						ND
16 Pyridine	52		4.052						ND
19 1-Methylcyclopentanol	71		4.314						ND
20 2-Picoline	93		4.549						ND
21 N-Nitrosomethylethylamine	88		4.672						ND
22 2-Chlorobenzotrifluoride	180		4.896						ND
24 Methyl methanesulfonate	80		4.971						ND
23 4-Chlorobenzotrifluoride	180		4.971						ND
25 Acrylamide	44	4.971	4.987	-0.016	51	425			NC
26 n,n'-Dimethylacetamide	87		5.035						ND
27 4-Chloropyridine	78		5.275						ND
28 3-Chloropyridine	78		5.340						ND
30 N-Nitrosodiethylamine	102		5.345						ND
29 3-Chlorobenzotrifluoride	180		5.382						ND
32 Ethyl methanesulfonate	79		5.607						ND
31 2-Chloropyridine	78		5.708						ND
33 2-Chlorotoluene	91		5.820						ND
34 3-Chlorotoluene	91		5.847						ND

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
35 4-Chlorotoluene	91		5.874					ND	
39 Pentachloroethane	167		6.045					ND	
36 Benzaldehyde	77		6.194					ND	
42 p-Fluoroaniline	111	6.210	6.205	0.005	52	1632		NC	
37 Phenol	94		6.232					ND	
38 Aniline	93		6.285					ND	
40 Bis(2-chloroethyl)ether	93		6.323					ND	
41 2-Chlorophenol	128		6.398					ND	
43 n-Decane	57	6.408	6.408	0.000	91	11131		0.1118	
44 1,3-Dichlorobenzene	146		6.531					ND	
45 1,4-Dichlorobenzene	146		6.590					ND	
52 N-Nitrosopyrrolidine	100		6.600					ND	
51 N-Methylaniline	106		6.611					ND	
58 4-Methylbenzenamine	106		6.616					ND	
54 N-Nitrosomorpholine	56		6.627					ND	
57 2-Toluidine	106		6.654					ND	
46 Benzyl alcohol	108		6.675					ND	
47 1,2-Dichlorobenzene	146		6.729					ND	
66 n,n'-Dimethylaniline	120		6.733					ND	
49 2-Methylphenol	108		6.755					ND	
50 2,2'-oxybis[1-chloropropane]	45		6.782					ND	
48 Indene	115	6.798	6.803	-0.006	92	2315		0.0175	
60 2,6-Dichloropyridine	112		6.857					ND	
56 4-Methylphenol	108		6.878					ND	
62 N-Nitrosopiperidine	114		6.894					ND	
55 N-Nitrosodi-n-propylamine	70		6.894					ND	
53 Acetophenone	105	6.905	6.905	0.000	71	2334		0.0216	
65 2-Chloroaniline	127		6.969					ND	
59 Hexachloroethane	117		7.023					ND	
64 Benzeneacetonitrile	117		7.039					ND	
69 Tetraethyl lead	237		7.060					ND	
61 Nitrobenzene	77		7.060					ND	
70 o,o',o''-Triethylphosphorothioat	198		7.097					ND	
240 2,4-Dichlorotoluene	125		7.124					ND	
231 1,3,5-Trichlorobenzene	180		7.209					ND	
73 alpha,alpha-Dimethyl phenethylam	58		7.247					ND	
63 Isophorone	82		7.252					ND	
77 Alpha-Terpineol	59		7.332					ND	
68 2,4-Dimethylphenol	107		7.332					ND	
67 2-Nitrophenol	139		7.332					ND	
71 Bis(2-chloroethoxy)methane	93		7.407					ND	
72 Benzoic acid	105		7.423					ND	
80 Hexachloropropene	213		7.466					ND	
222 4-Chlorophenol	128		7.466					ND	
74 2,4-Dichlorophenol	162		7.530					ND	
82 Benzeneacetic acid (TIC)	91		7.583					ND	
75 1,2,4-Trichlorobenzene	180		7.610					ND	
83 Quinoline	129	7.685	7.669	0.016	57	6455		NC	
86 N-Nitrosodi-n-butylamine	84		7.679					ND	
76 Naphthalene	128	7.685	7.685	0.000	95	51604		0.2263	
78 4-Chloroaniline	127		7.706					ND	U
85 p-Phenylene diamine	108		7.712					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
79 2,6-Dichlorophenol	162		7.722					ND	
81 Hexachlorobutadiene	225		7.776					ND	
88 Safrole, Total	162		7.872					ND	
90 Phthalic anhydride	104		7.963					ND	
84 Caprolactam	113		8.000					ND	
211 2,4,5-Trichlorotoluene	159		8.086					ND	
87 4-Chloro-3-methylphenol	107		8.091					ND	
288 Isosafrole Peak 1	162		8.118					ND	
247 2,3-Dichlorobenzeneamine	161		8.160					ND	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	11537		0.0765	
290 Isosafrole Peak 2	162		8.305					ND	
96 Isosafrole	162		8.305					ND	
91 1-Methylnaphthalene	142	8.347	8.347	0.000	91	6132		0.0442	
93 Hexachlorocyclopentadiene	237		8.396					ND	
99 1-Chloronaphthalene	162		8.401					ND	
92 1,2,4,5-Tetrachlorobenzene	216		8.406					ND	
102 Dicyclohexylamine	138		8.476					ND	
94 2,4,6-Trichlorophenol	196		8.486					ND	
207 1,2,3,4 -Tetrachlorobenzene	216		8.508					ND	
101 1,4-Naphthoquinone	158		8.518					ND	
95 2,4,5-Trichlorophenol	196		8.524					ND	
103 1,4-Dinitrobenzene	168		8.550					ND	
97 1,1'-Biphenyl	154		8.647					ND	
98 2-Chloronaphthalene	162		8.679					ND	
100 2-Nitroaniline	65		8.743					ND	
104 Dimethyl phthalate	163		8.866					ND	
105 1,3-Dinitrobenzene	168		8.908					ND	
106 2,6-Dinitrotoluene	165		8.930					ND	
112 Pentachlorobenzene	250		8.988					ND	
107 Acenaphthylene	152		9.037					ND	
116 2,3,5,6-Tetrachlorophenol	232		9.079					ND	
115 1-Naphthylamine	143		9.079					ND	
108 3-Nitroaniline	138		9.079					ND	
118 2-Naphthylamine	143		9.143					ND	
110 2,4-Dinitrophenol	184		9.165					ND	
109 Acenaphthene	153		9.181					ND	
111 4-Nitrophenol	109		9.191					ND	
121 Thionazin	97		9.229					ND	
127 Tributyl phosphate	99		9.266					ND	
113 2,4-Dinitrotoluene	165		9.272					ND	
124 N-Nitro-o-toluidine	152		9.298					ND	
114 Dibenzofuran	168	9.320	9.320	0.000	63	2606		0.0136	
117 2,3,4,6-Tetrachlorophenol	232		9.416					ND	
120 Hexadecane	57		9.443					ND	U
119 Diethyl phthalate	149		9.448					ND	U
132 Sulfotepp	322		9.469					ND	
122 4-Chlorophenyl phenyl ether	204		9.581					ND	
133 1,3,5-Trinitrobenzene	213		9.587					ND	
125 4-Nitroaniline	138		9.598					ND	
135 Diallate	86		9.603					ND	
291 Diallate Peak 1	86		9.603					ND	
123 Fluorene	166		9.608					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
134 Phorate	75		9.613					ND	
136 Phenacetin	108		9.613					ND	
126 4,6-Dinitro-2-methylphenol	198		9.619					ND	
128 Diphenylamine	169		9.678					ND	
129 N-Nitrosodiphenylamine	169		9.678					ND	
293 Diallate Peak 2	86		9.683					ND	
130 1,2-Diphenylhydrazine	77		9.715					ND	
131 Azobenzene	77		9.715					ND	
140 Simazine	201		9.731					ND	
139 Dimethoate	87		9.763					ND	
142 4-Aminobiphenyl	169	9.870	9.907	-0.043	57	384		NC	
145 Pronamide	173	9.918	9.929	-0.016	56	48		NC	
144 Pentachloronitrobenzene	237		9.939					ND	
137 4-Bromophenyl phenyl ether	248		9.998					ND	
147 Disulfoton	88		10.046					ND	
148 Dinoseb	211		10.057					ND	
138 Hexachlorobenzene	284		10.084					ND	
155 CBF-400	214		10.093					ND	
141 Atrazine	200		10.094					ND	
146 n-Octadecane	57	10.212	10.207	0.000	94	5368		0.0501	
143 Pentachlorophenol	266		10.239					ND	
153 Alachlor	160		10.319					ND	
152 Methyl parathion	109		10.367					ND	
149 Phenanthrene	178	10.425	10.425	-0.001	94	8826		0.0384	
150 Anthracene	178		10.468					ND	
151 Carbazole	167		10.586					ND	
156 Ethyl Parathion	97		10.682					ND	
163 Octachlorostyrene	308		10.697					ND	
205 2-Methylantracene	192	10.709	10.731	-0.027	1	221		NC	
158 Anthraquinone	180		10.735					ND	
157 4-Nitroquinoline-1-oxide	190		10.751					ND	
159 Methapyrilene	58		10.778					ND	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	99	14200		0.0597	
160 Isodrin	193	11.029	10.986	0.037	52	173		NC	
162 1-Hydroxyanthraquinone	224		11.104					ND	
289 Aramite Peak 1	185		11.371					ND	
166 Aramite, Total	185	11.456	11.434	0.016	52	7881		NC	
292 Aramite Peak 2	185	11.435	11.434	-0.005	0	127		NC	
161 Fluoranthene	202		11.473					ND	
176 CAG-800	149		11.482					ND	7
167 1,4-Dihydroxyanthraquinone	240		11.542					ND	
164 Benzidine	184		11.553					ND	
168 p-Dimethylamino azobenzene	120		11.569					ND	
169 Chlorobenzilate	139		11.601					ND	
165 Pyrene	202		11.708					ND	
170 Famphur	218		11.804					ND	
173 9-Octadecenamide	72		11.836					ND	
171 3,3'-Dimethylbenzidine	212		11.921					ND	
254 CBF-500	161		11.958					ND	7
182 NVF-400	82		11.958					ND	7
174 Kepone	272		11.975					ND	
175 2-Acetylaminofluorene	181		12.226					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
172 Butyl benzyl phthalate	149	12.306	12.296	0.005	95	8042		0.1690	
178 4,4'-Methylene bis(2-chloroani	231	12.562	12.568	-0.011	54	158		NC	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.006	0.000	98	17707		0.2495	
177 3,3'-Dichlorobenzidine	252		13.043					ND	
179 Benzo[a]anthracene	228		13.123					ND	
181 Chrysene	228		13.177					ND	
183 6-Methylchrysene	242	13.342	13.310	0.026	1	148		NC	
184 Di-n-octyl phthalate	149		13.967					ND	U
185 7,12-Dimethylbenz(a)anthracene	256		14.160					ND	
188 Hexachlorophene	196		14.709					ND	
186 Benzo[b]fluoranthene	252		14.742					ND	
187 Benzo[k]fluoranthene	252		14.785					ND	
255 CN-500	112		14.816					ND	7
256 CU-600	58		14.842					ND	7
206 Benzo[e]pyrene	252	14.897	14.896	-0.005	5	40		NC	
190 3-Methylcholanthrene	252		15.228					ND	
189 Benzo[a]pyrene	252		15.276					ND	
192 Dibenz[a,h]acridine	279	16.093	16.077	0.016	1	144		NC	
193 Indeno[1,2,3-cd]pyrene	276		17.210					ND	
194 Dibenz(a,h)anthracene	278		17.221					ND	
195 Benzo[g,h,i]perylene	276		17.755					ND	
196 Dibenzo[a,e]pyrene	302		21.093					ND	
208 Lidocaine	1		0.000					ND	
305 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
304 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
307 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
295 1,3-Dibromobenzene TIC	1		0.000					ND	
300 4-Bromofluorobenzene TIC	1		0.000					ND	
299 3'-Bromoacetophenone TIC	1		0.000					ND	
303 2-Bromopyridine TIC	1		0.000					ND	
298 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
197 1,2,3-Trimethylbenzene	105		0.000					ND	
302 Fluorobenzene TIC	1		0.000					ND	
296 1,4-Dibromobenzene TIC	1		0.000					ND	
306 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
297 Ethylene Dibromide TIC	1		0.000					ND	
244 2,4-Toluene diamine	1		0.750					ND	
221 Hexamethyldisiloxane TIC	1		0.750					ND	
235 Pendimethalin	1		0.750					ND	
213 Prometryn (TIC)	1		0.750					ND	
223 1-Bromopropane	1		0.750					ND	
217 Dibenz[a,j]acridine	279		0.750					ND	
212 trans Azobenzene (TIC)	1		0.750					ND	
220 Tetramethyl lead TIC	1		0.750					ND	
214 2,3-Dichlorophenol	1		0.750					ND	
230 Dibenz(a,i)pyrene	1		0.750					ND	
243 2-Chlorobenzotrifluoride TIC	1		0.750					ND	
226 Phenylmercaptan	110		0.750					ND	
227 2,6-Dichlorotoluene TIC	1		0.750					ND	
246 Phenylacetic Acid	1		0.750					ND	
224 4-Chlorobenzotrifluoride TIC	1		0.750					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
234 Dibenzo[a,h]pyrene	1		0.750					ND	
218 Pendimethalin (TIC)	1		0.750					ND	
238 Benefin (TIC)	1		0.750					ND	
225 2,4-Dichlorotoluene TIC	1		0.750					ND	
245 3-Chlorobenzotrifluoride TIC	1		0.750					ND	
241 5-Methyl-o-Anisidine	1		0.750					ND	
229 7H-Dibenzo[c,g]carbazole	1		0.750					ND	
252 4,4'-DDD	235		11.627					ND	
S 260 Chlorobenzotrifluoride N.O.S	1		0.750					ND	7
S 258 3-Methylphenol	1		0.750					ND	7
S 262 Total Cresols	1		0.750					ND	7
S 261 Chlorotoluene N.O.S	1		0.750					ND	7
S 259 EPH Adjustment 1	1		0.750					ND	7
S 257 3 & 4 Methylphenol	108		0.750					ND	7

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018172.d

Injection Date: 23-Nov-2021 07:23:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: MB 480-605089/1-A

Worklist Smp#: 11

Client ID:

Injection Vol: 2.0 ul

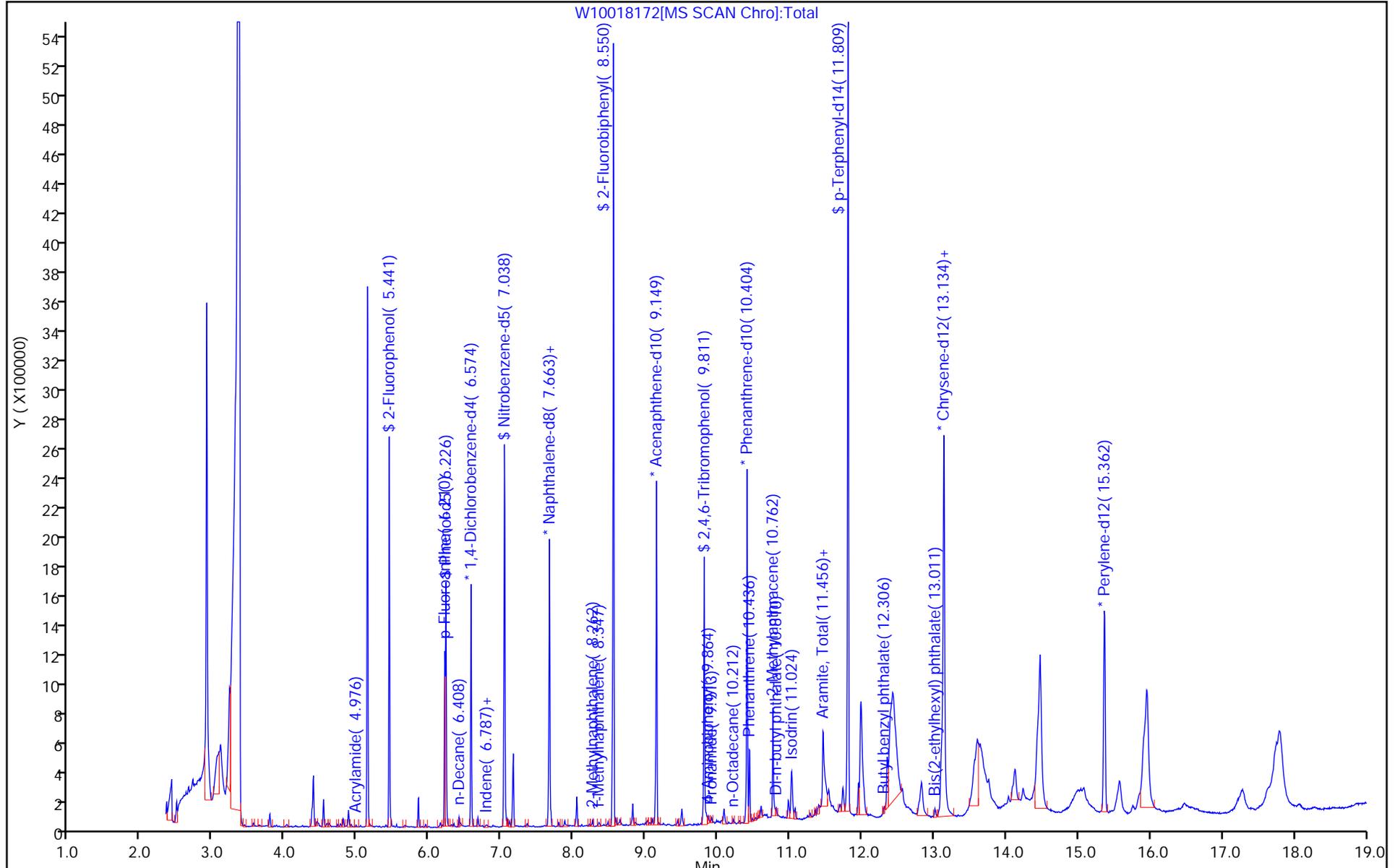
Dil. Factor: 1.0000

ALS Bottle#: 39

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018172.d

Injection Date: 23-Nov-2021 07:23:30

Instrument ID: HP5973W

Lims ID: MB 480-605089/1-A

Client ID:

Operator ID: PJQ

ALS Bottle#: 39

Worklist Smp#: 11

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

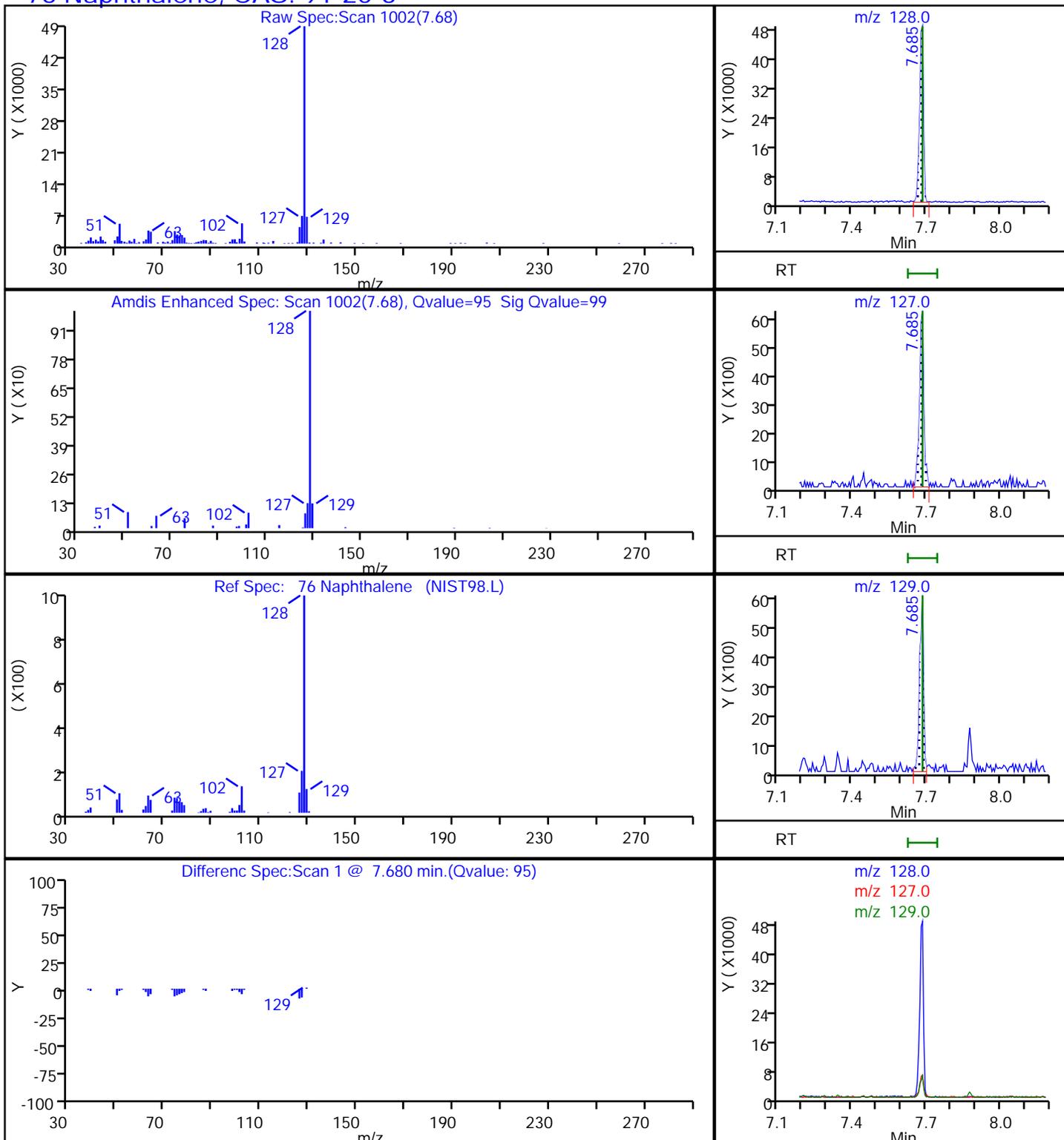
Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

76 Naphthalene, CAS: 91-20-3

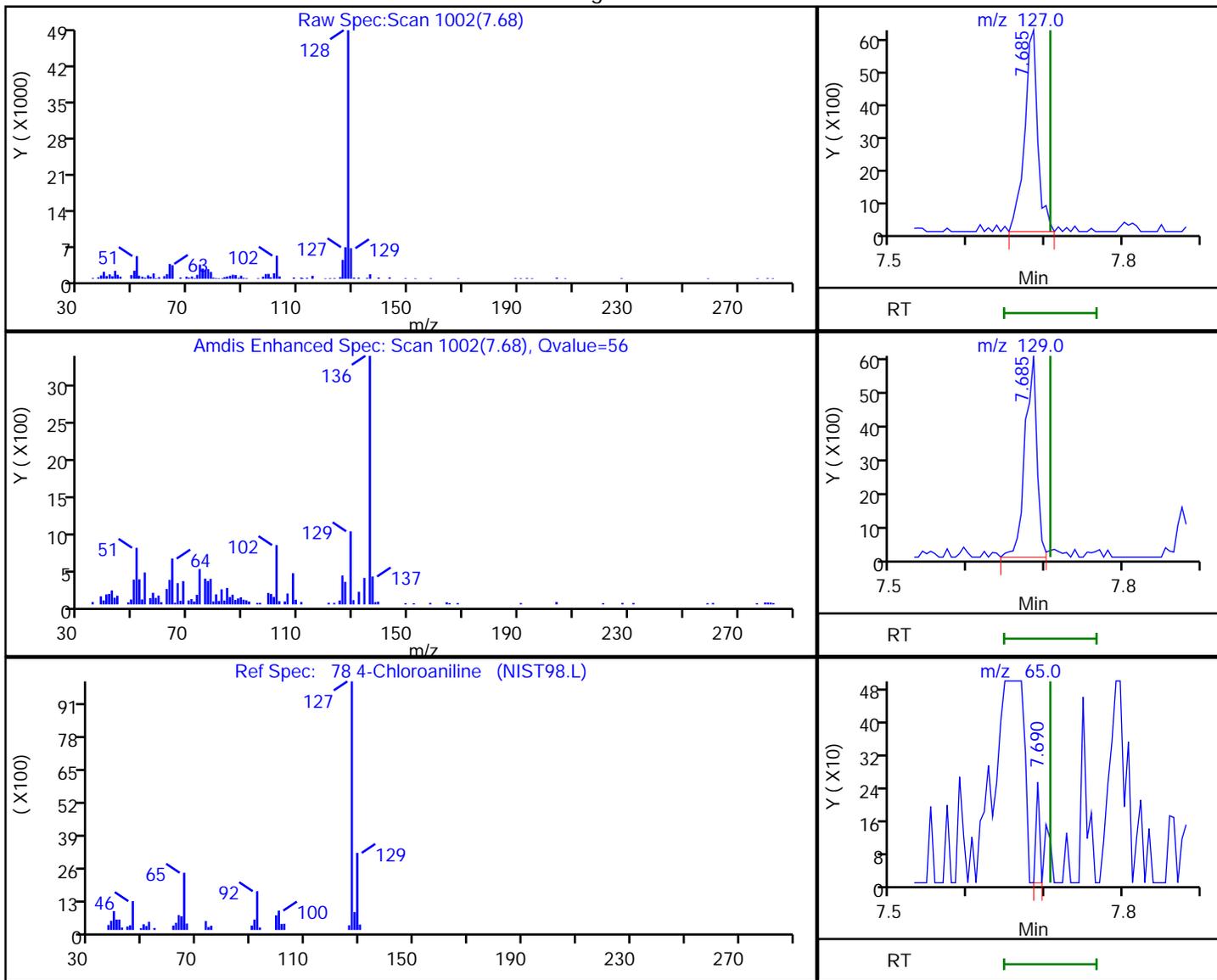


Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018172.d
 Injection Date: 23-Nov-2021 07:23:30 Instrument ID: HP5973W
 Lims ID: MB 480-605089/1-A
 Client ID:
 Operator ID: PJO ALS Bottle#: 39 Worklist Smp#: 11
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

78 4-Chloroaniline, CAS: 106-47-8

Processing Results



RT	Mass	Response	Amount
7.68	127.00	7343	0.084960
7.68	129.00	6455	
7.69	65.00	80	

Reviewer: quirkp, 23-Nov-2021 14:24:32

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018172.d

Injection Date: 23-Nov-2021 07:23:30

Instrument ID: HP5973W

Lims ID: MB 480-605089/1-A

Client ID:

Operator ID: PJO

ALS Bottle#: 39

Worklist Smp#: 11

Injection Vol: 2.0 ul

Dil. Factor: 1.0000

Method: W-LVI-8270

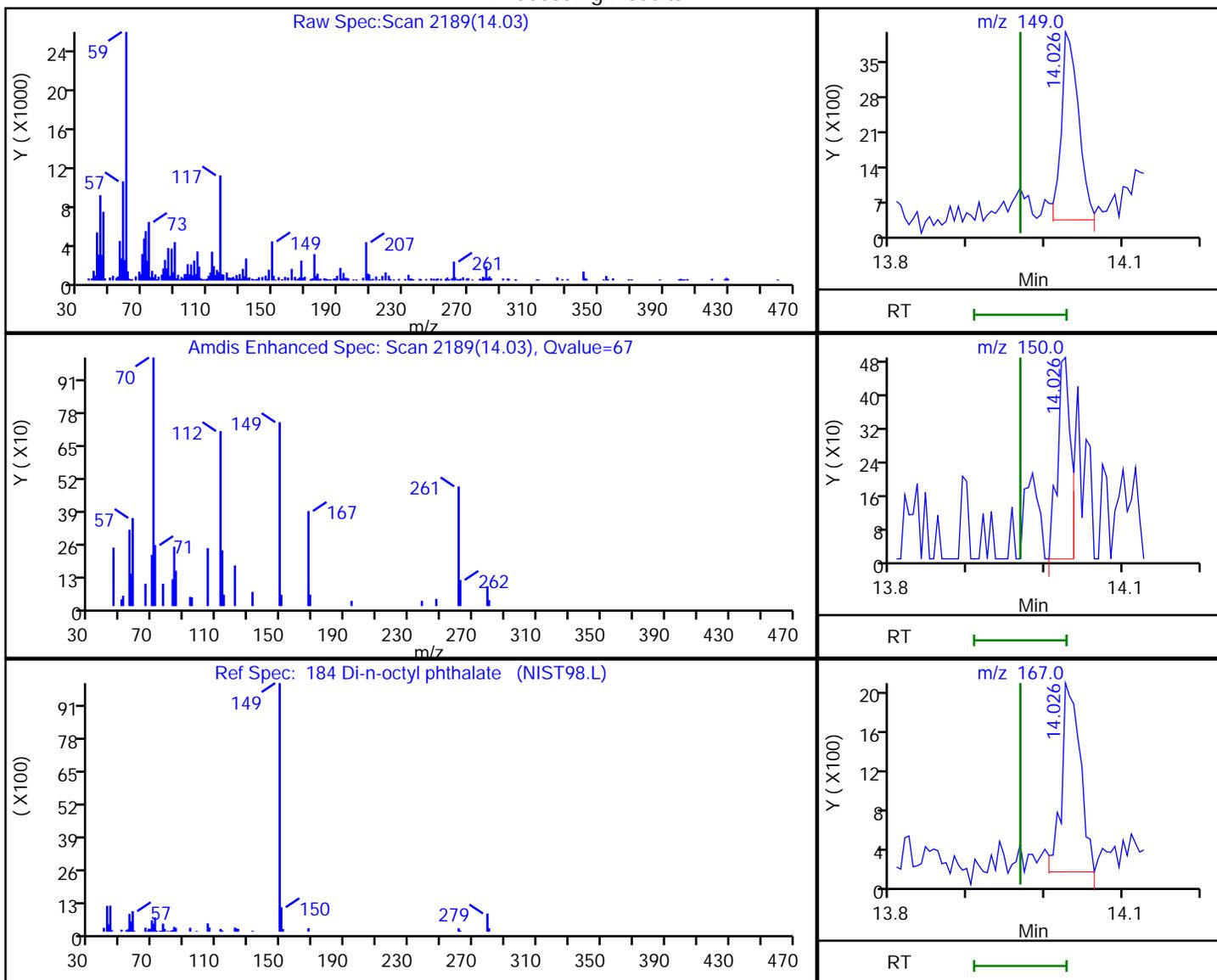
Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)

Detector: MS SCAN

184 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
14.03	149.00	5861	0.193758
14.03	150.00	583	
14.03	167.00	3227	

Reviewer: quirkp, 23-Nov-2021 14:25:15

Audit Action: Marked Compound Undetected

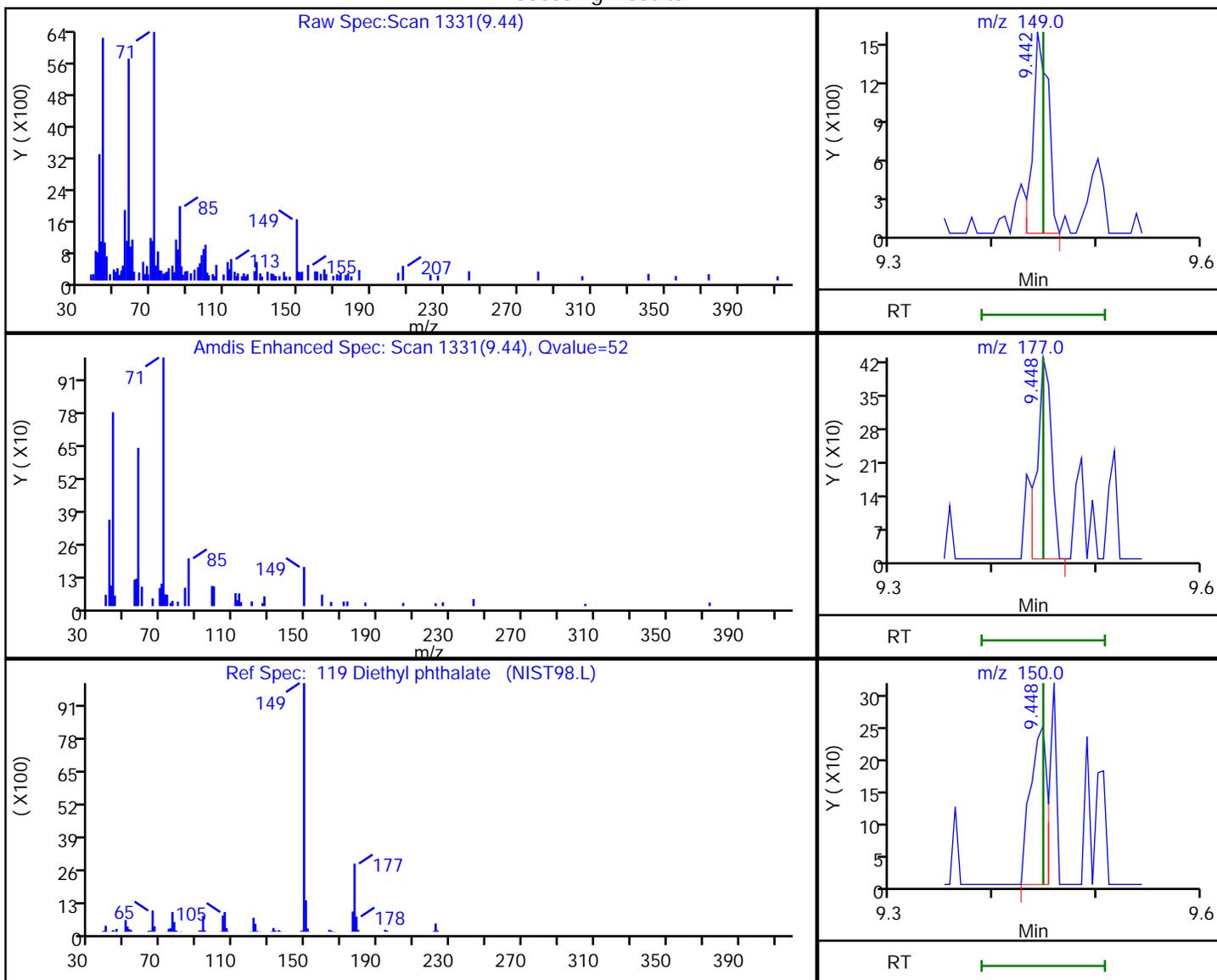
Audit Reason: Invalid Compound ID

Euofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018172.d
 Injection Date: 23-Nov-2021 07:23:30 Instrument ID: HP5973W
 Lims ID: MB 480-605089/1-A
 Client ID:
 Operator ID: PJO ALS Bottle#: 39 Worklist Smp#: 11
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
 Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

119 Diethyl phthalate, CAS: 84-66-2

Processing Results



RT	Mass	Response	Amount
9.44	149.00	1611	0.010447
9.45	177.00	408	
9.45	150.00	287	

Reviewer: quirkp, 23-Nov-2021 14:24:56

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-606423/1-A
 Matrix: Water Lab File ID: Y02827256.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 18:40
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
95-48-7	2-Methylphenol	ND		5.0	0.40
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-606423/1-A
 Matrix: Water Lab File ID: Y02827256.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 18:40
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-606423/1-A
 Matrix: Water Lab File ID: Y02827256.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 18:40
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	68		46-120
4165-62-2	Phenol-d5 (Surr)	41		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	105		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	77		41-120
321-60-8	2-Fluorobiphenyl (Surr)	84		48-120
367-12-4	2-Fluorophenol (Surr)	53		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827256.D
 Lims ID: MB 480-606423/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Nov-2021 18:40:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-014
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 11:45:54

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	6.492	6.490	0.002	91	193708	4.00	4.00	
* 2 Naphthalene-d8	136	7.579	7.579	0.000	98	679294	4.00	4.00	
* 3 Acenaphthene-d10	164	9.066	9.066	0.000	92	419185	4.00	4.00	
* 4 Phenanthrene-d10	188	10.328	10.329	-0.001	94	773762	4.00	4.00	
* 5 Chrysene-d12	240	13.033	13.033	0.000	96	761567	4.00	4.00	
* 6 Perylene-d12	264	15.260	15.258	0.002	99	876445	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.380	5.361	0.019	87	218451	8.00	4.21	
\$ 8 Phenol-d5	99	6.174	6.170	0.004	0	196873	8.00	3.29	
\$ 9 Nitrobenzene-d5	82	6.957	6.959	-0.002	85	306023	8.00	5.47	
\$ 10 2-Fluorobiphenyl	172	8.470	8.468	0.002	98	957819	8.00	6.74	
\$ 11 2,4,6-Tribromophenol	330	9.732	9.734	-0.002	87	191342	8.00	6.17	
\$ 12 p-Terphenyl-d14	244	11.716	11.715	0.001	96	1669012	8.00	8.40	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88		3.497					ND	
14 N-Nitrosodimethylamine	42		3.914					ND	
15 Pyridine	52		3.959					ND	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.784					ND	
20 N-Nitrosomethylethylamine	88		4.892					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
24 Acrylamide	71		5.173					ND	
22 Methyl methanesulfonate	80		5.179					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
26 4-Chloropyridine	78		5.475					ND	
196 CBF-400	214		5.530					ND	
28 N-Nitrosodiethylamine	102		5.547					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
30 Ethyl methanesulfonate	79		5.803					ND	
31 2-Chloropyridine	78		5.922					ND	
257 CBF-500	161		5.944					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
35 Benzaldehyde	77		6.116					ND	
34 4-Chlorotoluene	91		6.134					ND	
37 Phenol	94		6.181					ND	
36 Aniline	93		6.210					ND	
39 Bis(2-chloroethyl)ether	93		6.241					ND	
38 Pentachloroethane	167		6.251					ND	
40 2-Chlorophenol	128		6.320					ND	
41 n-Decane	57	6.319	6.320	-0.001	83	2289		0.0571	M
42 p-Fluoroaniline	111		6.408					ND	
43 1,3-Dichlorobenzene	146		6.445					ND	
44 1,4-Dichlorobenzene	146		6.505					ND	
45 Benzyl alcohol	108		6.601					ND	
46 1,2-Dichlorobenzene	146		6.641					ND	
48 2-Methylphenol	108		6.692					ND	
49 2,2'-oxybis[1-chloropropane]	45		6.698					ND	
47 Indene	115		6.718					ND	U
50 N-Nitrosopyrrolidine	100		6.799					ND	
53 N-Nitrosodi-n-propylamine	70		6.811					ND	
57 4-Methylphenol	108		6.817					ND	
52 Acetophenone	105		6.825					ND	
54 N-Nitrosomorpholine	56		6.827					ND	
51 N-Methylaniline	106		6.855					ND	
56 2-Toluidine	106		6.856					ND	
55 4-Methylbenzenamine	106		6.859					ND	
58 Hexachloroethane	117		6.936					ND	
59 Nitrobenzene	77		6.976					ND	
60 2,6-Dichloropyridine	112		7.071					ND	
61 N-Nitrosopiperidine	114		7.100					ND	
62 Isophorone	82		7.169					ND	
63 2-Chloroaniline	127		7.214					ND	
64 2-Nitrophenol	139		7.248					ND	
66 2,4-Dimethylphenol	107		7.262					ND	
65 Benzeneacetonitrile	117		7.282					ND	
68 o,o',o"-Triethylphosphorothioat	198		7.293					ND	
67 Tetraethyl lead	237		7.302					ND	
69 Bis(2-chloroethoxy)methane	93		7.328					ND	
70 Benzoic acid	105		7.364					ND	
282 2,4-Dichlorotoluene	125		7.383					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.423					ND	
72 2,4-Dichlorophenol	162		7.455					ND	
73 1,2,4-Trichlorobenzene	180		7.523					ND	
75 Alpha-Terpineol	59		7.574					ND	
74 Naphthalene	128		7.600					ND	
76 4-Chloroaniline	127		7.626					ND	
77 2,6-Dichlorophenol	162		7.640					ND	
78 Hexachloropropene	213		7.670					ND	
79 Hexachlorobutadiene	225		7.691					ND	
286 4-Chlorophenol	128		7.691					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.874					ND	
82 N-Nitrosodi-n-butylamine	84		7.883					ND	
83 p-Phenylene diamine	108		7.917					ND	
84 Caprolactam	113		7.926					ND	
85 4-Chloro-3-methylphenol	107		8.026					ND	
86 Safrole, Total	162		8.079					ND	
87 2-Methylnaphthalene	142		8.179					ND	
88 Phthalic anhydride	104		8.213					ND	
89 1-Methylnaphthalene	142		8.264					ND	U
281 2,4,5-Trichlorotoluene	159		8.296					ND	
90 Hexachlorocyclopentadiene	237		8.309					ND	
198 NVF-400	82		8.311					ND	
258 CU-600	58		8.316					ND	U
91 1,2,4,5-Tetrachlorobenzene	216		8.321					ND	
275 Isosafrole Peak 1	162		8.325					ND	
284 2,3-Dichlorobenzeneamine	161		8.412					ND	
93 2,4,6-Trichlorophenol	196		8.412					ND	
94 2,4,5-Trichlorophenol	196		8.451					ND	
95 Isosafrole	162		8.516					ND	
277 Isosafrole Peak 2	162		8.516					ND	
96 1,1'-Biphenyl	154		8.559					ND	
97 2-Chloronaphthalene	162		8.596					ND	
99 1-Chloronaphthalene	162		8.618					ND	
100 2-Nitroaniline	65		8.667					ND	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
103 Dicyclohexylamine	138		8.732					ND	
102 1,4-Naphthoquinone	158		8.734					ND	
104 1,4-Dinitrobenzene	168		8.765					ND	
105 Dimethyl phthalate	163		8.786					ND	
106 1,3-Dinitrobenzene	168		8.832					ND	
107 2,6-Dinitrotoluene	165		8.851					ND	
108 Acenaphthylene	152		8.951					ND	
109 3-Nitroaniline	138		9.007					ND	
111 2,4-Dinitrophenol	184		9.093					ND	
110 Acenaphthene	153		9.095					ND	
112 4-Nitrophenol	109		9.141					ND	
114 2,4-Dinitrotoluene	165		9.198					ND	
113 Pentachlorobenzene	250		9.208					ND	
115 Dibenzofuran	168		9.237					ND	
116 1-Naphthylamine	143		9.302					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.302					ND	
118 2,3,4,6-Tetrachlorophenol	232		9.337					ND	
121 Hexadecane	57		9.362					ND	U
119 2-Naphthylamine	143		9.364					ND	
120 Diethyl phthalate	149		9.371					ND	
122 Thionazin	97		9.443					ND	
123 4-Chlorophenyl phenyl ether	204		9.498					ND	
125 N-Nitro-o-toluidine	152		9.520					ND	
128 Tributyl phosphate	99		9.521					ND	
126 4-Nitroaniline	138		9.527					ND	
124 Fluorene	166		9.530					ND	
127 4,6-Dinitro-2-methylphenol	198		9.549					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169		9.598					ND	
129 Diphenylamine	169		9.598					ND	
131 1,2-Diphenylhydrazine	77		9.637					ND	
132 Azobenzene	77		9.637					ND	
134 Sulfotepp	322		9.687					ND	
135 1,3,5-Trinitrobenzene	213		9.801					ND	
278 Diallylate Peak 1	86		9.824					ND	
136 Diallylate	86		9.824					ND	
138 Phenacetin	108		9.832					ND	
137 Phorate	75		9.832					ND	
280 Diallylate Peak 2	86		9.903					ND	
139 4-Bromophenyl phenyl ether	248		9.915					ND	
141 Dimethoate	87		9.985					ND	
142 Simazine	201		9.992					ND	
140 Hexachlorobenzene	284		10.003					ND	
143 Atrazine	200		10.018					ND	
148 n-Octadecane	57		10.131					ND	
144 4-Aminobiphenyl	169		10.139					ND	
147 Pronamide	173		10.156					ND	
145 Pentachlorophenol	266		10.162					ND	
146 Pentachloronitrobenzene	237		10.170					ND	
149 Disulfoton	88		10.269					ND	
150 Dinoseb	211		10.281					ND	U
151 Phenanthrene	178		10.350					ND	
152 Anthracene	178		10.392					ND	
153 Carbazole	167		10.511					ND	
154 Alachlor	160		10.591					ND	
155 Methyl parathion	109		10.598					ND	
157 Di-n-butyl phthalate	149	10.734	10.736	-0.002	98	10468		0.0480	
288 2-Methylantracene	192		10.885					ND	U
158 Ethyl Parathion	97		10.913					ND	
159 4-Nitroquinoline-1-oxide	190		10.990					ND	
161 Methapyrilene	58		11.013					ND	
160 Anthraquinone	180		11.019					ND	
162 Isodrin	193		11.245					ND	
164 Fluoranthene	202		11.388					ND	
165 1-Hydroxyanthraquinone	224		11.414					ND	
166 Benzidine	184		11.473					ND	
167 Pyrene	202		11.618					ND	
276 Aramite Peak 1	185		11.640					ND	U
168 Aramite, Total	185		11.716					ND	
279 Aramite Peak 2	185		11.716					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	
170 p-Dimethylamino azobenzene	120		11.855					ND	
171 Chlorobenzilate	251		11.884					ND	
169 1,4-Dihydroxyanthraquinone	240		11.888					ND	
172 Famphur	218		12.157					ND	
175 9-Octadecenamide	59		12.188					ND	
174 Butyl benzyl phthalate	149	12.201	12.203	-0.002	91	10508		0.1093	
173 3,3'-Dimethylbenzidine	212		12.230					ND	
176 Kepone	272		12.356					ND	
177 2-Acetylaminofluorene	181		12.553					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.905	12.903	0.002	68	5786		0.0422	M
178 4,4'-Methylene bis(2-chloroani	231		12.922					ND	
179 3,3'-Dichlorobenzidine	252		12.940					ND	
180 Benzo[a]anthracene	228		13.020					ND	
182 Chrysene	228		13.071					ND	
183 6-Methylchrysene	242		13.714					ND	
184 Di-n-octyl phthalate	149		13.851					ND	
185 7,12-Dimethylbenz(a)anthracene	256		14.602					ND	
186 Benzo[b]fluoranthene	252		14.637					ND	
187 Benzo[k]fluoranthene	252		14.680					ND	
192 Hexachlorophene	196		14.981					ND	
189 Benzo[a]pyrene	252		15.171					ND	
283 Benzo[e]pyrene	252		15.335					ND	U
190 3-Methylcholanthrene	268		15.712					ND	
191 Dibenz[a,h]acridine	279		16.631					ND	U
193 Indeno[1,2,3-cd]pyrene	276		17.092					ND	
194 Dibenz(a,h)anthracene	278		17.097					ND	
195 Benzo[g,h,i]perylene	276		17.631					ND	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		22.440					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
205 Phenylmercaptan	110		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
254 4,4'-DDD	235		12.006					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1		0.195					ND	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1		0.195					ND	
S 262 3 & 4 Methylphenol	108		0.195					ND	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827256.D

Injection Date: 30-Nov-2021 18:40:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: MB 480-606423/1-A

Worklist Smp#: 14

Client ID:

Injection Vol: 2.0 ul

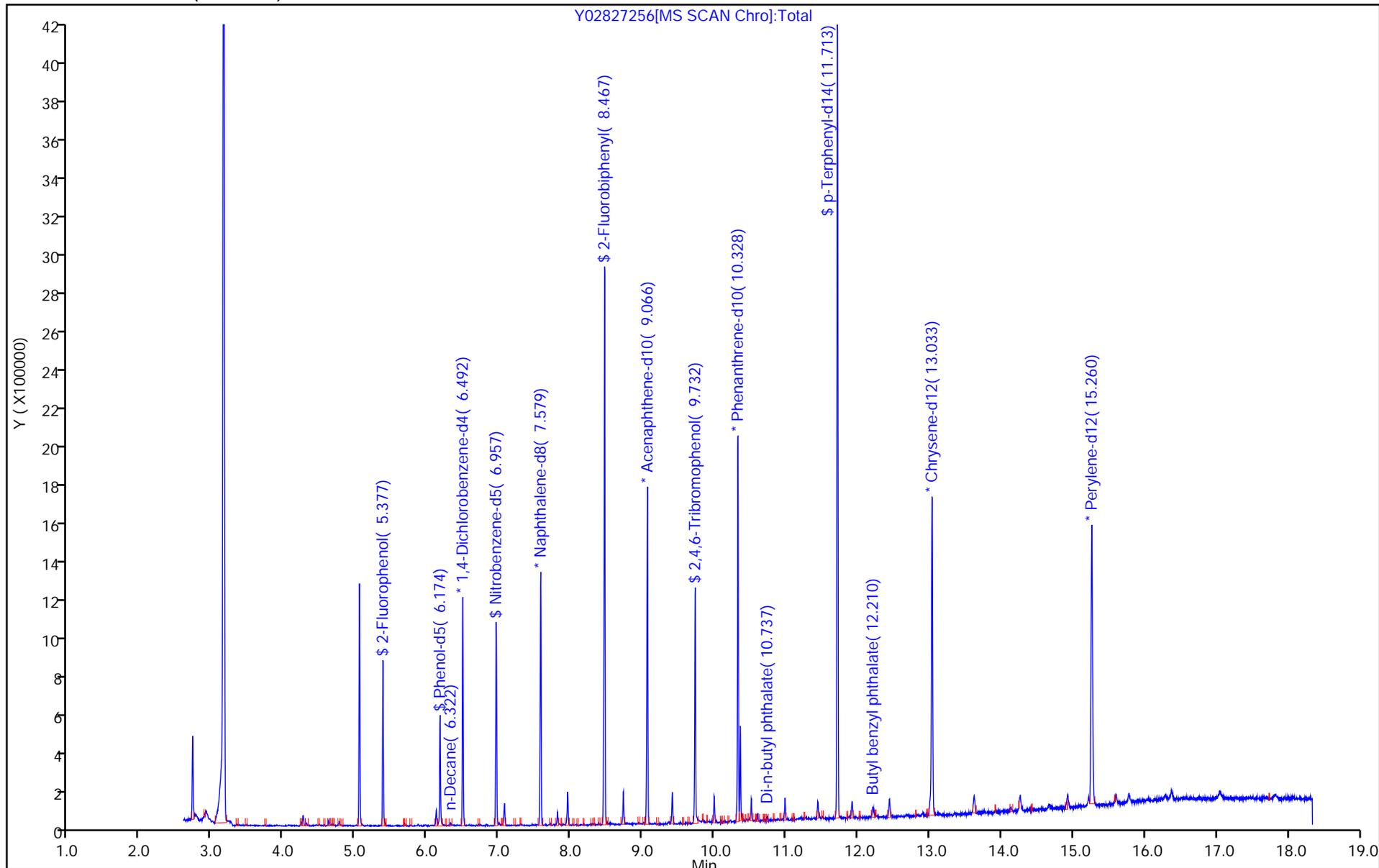
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



Euofins TestAmerica, Buffalo

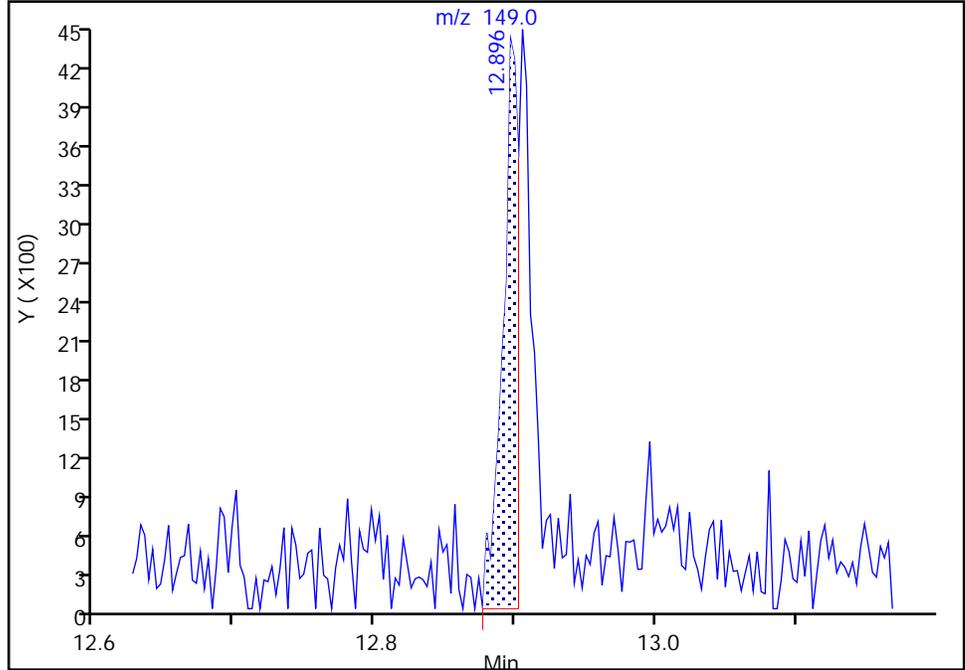
Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827256.D
Injection Date: 30-Nov-2021 18:40:30 Instrument ID: HP5973Y
Lims ID: MB 480-606423/1-A
Client ID:
Operator ID: JM ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 2.0 ul Dil. Factor: 1.0000
Method: Y-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector: MS SCAN

181 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

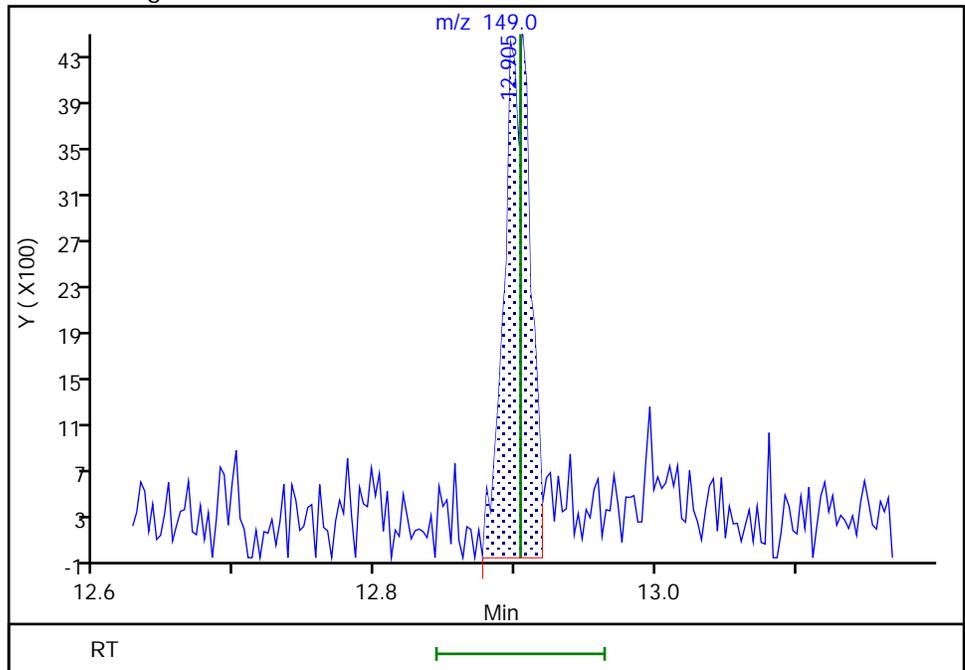
RT: 12.90
Area: 3341
Amount: 0.024388
Amount Units: ng/uL

Processing Integration Results



RT: 12.90
Area: 5786
Amount: 0.042235
Amount Units: ng/uL

Manual Integration Results



Reviewer: marshallj, 01-Dec-2021 11:45:04
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-605089/2-A
 Matrix: Water Lab File ID: W10018173.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 07:50
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	40.0		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	35.6		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	42.2		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	40.4		5.0	0.61
120-83-2	2,4-Dichlorophenol	42.3		5.0	0.51
105-67-9	2,4-Dimethylphenol	41.4		5.0	0.50
51-28-5	2,4-Dinitrophenol	80.9		10	2.2
121-14-2	2,4-Dinitrotoluene	43.8		5.0	0.45
606-20-2	2,6-Dinitrotoluene	43.5		5.0	0.40
91-58-7	2-Chloronaphthalene	39.4		5.0	0.46
95-57-8	2-Chlorophenol	38.4		5.0	0.53
95-48-7	2-Methylphenol	38.4		5.0	0.40
91-57-6	2-Methylnaphthalene	37.9		5.0	0.60
88-74-4	2-Nitroaniline	42.6		10	0.42
88-75-5	2-Nitrophenol	42.2		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	81.8		5.0	0.40
99-09-2	3-Nitroaniline	36.2		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	91.3		10	2.2
101-55-3	4-Bromophenyl phenyl ether	42.8		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	43.5		5.0	0.45
106-47-8	4-Chloroaniline	31.9		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	41.1		5.0	0.35
106-44-5	4-Methylphenol	36.5		10	0.36
100-01-6	4-Nitroaniline	44.9		10	0.25
100-02-7	4-Nitrophenol	61.9		10	1.5
83-32-9	Acenaphthene	41.3		5.0	0.41
208-96-8	Acenaphthylene	39.9		5.0	0.38
98-86-2	Acetophenone	39.6		5.0	0.54
120-12-7	Anthracene	41.6		5.0	0.28
1912-24-9	Atrazine	87.3		5.0	0.46
100-52-7	Benzaldehyde	74.8		5.0	0.27
56-55-3	Benzo[a]anthracene	37.9		5.0	0.36
50-32-8	Benzo[a]pyrene	33.1		5.0	0.47
205-99-2	Benzo[b]fluoranthene	38.0		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-605089/2-A
 Matrix: Water Lab File ID: W10018173.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 07:50
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	38.2		5.0	0.35
207-08-9	Benzo[k]fluoranthene	37.6		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	41.1		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	37.5		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	35.9		5.0	2.2
85-68-7	Butyl benzyl phthalate	41.0		5.0	1.0
105-60-2	Caprolactam	34.7		5.0	2.2
86-74-8	Carbazole	50.2		5.0	0.30
218-01-9	Chrysene	36.6		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	38.2		5.0	0.42
84-74-2	Di-n-butyl phthalate	41.7		5.0	0.31
117-84-0	Di-n-octyl phthalate	38.1		5.0	0.47
132-64-9	Dibenzofuran	41.4		10	0.51
84-66-2	Diethyl phthalate	42.9		5.0	0.22
131-11-3	Dimethyl phthalate	44.3		5.0	0.36
206-44-0	Fluoranthene	42.8		5.0	0.40
86-73-7	Fluorene	42.0		5.0	0.36
118-74-1	Hexachlorobenzene	40.2		5.0	0.51
87-68-3	Hexachlorobutadiene	33.4		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	28.5		5.0	0.59
67-72-1	Hexachloroethane	32.4		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	37.1		5.0	0.47
78-59-1	Isophorone	42.4		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	41.0		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	43.9		5.0	0.51
91-20-3	Naphthalene	37.9		5.0	0.76
98-95-3	Nitrobenzene	41.6		5.0	0.29
87-86-5	Pentachlorophenol	81.9		10	2.2
85-01-8	Phenanthrene	43.5		5.0	0.44
108-95-2	Phenol	23.5		5.0	0.39
129-00-0	Pyrene	41.3		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-605089/2-A
 Matrix: Water Lab File ID: W10018173.d
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 07:50
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	129	S1+	46-120
4165-62-2	Phenol-d5 (Surr)	73		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	119		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	135	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	130	S1+	48-120
367-12-4	2-Fluorophenol (Surr)	95		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018173.d
 Lims ID: LCS 480-605089/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Nov-2021 07:50:30 ALS Bottle#: 40 Worklist Smp#: 12
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-012
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 23-Nov-2021 14:27:16 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1623

First Level Reviewer: quirkp

Date: 23-Nov-2021 14:27:16

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	6.574	6.574	0.000	96	229898	4.00	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	99	898903	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.149	0.005	92	525224	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.410	0.000	97	879026	4.00	4.00	
* 5 Chrysene-d12	240	13.145	13.139	0.006	99	840913	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.362	0.005	98	848141	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	568013	8.00	7.59	
\$ 8 Phenol-d5	99	6.232	6.221	0.011	99	549665	8.00	5.84	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	90	896956	8.00	10.3	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	99	1724860	8.00	10.4	
\$ 11 2,4,6-Tribromophenol	330	9.817	9.806	0.006	93	302353	8.00	10.8	
\$ 12 p-Terphenyl-d14	244	11.809	11.799	0.005	98	1955805	8.00	9.52	
14 1,4-Dioxane	88	3.700	3.700	0.080	98	211618	8.00	6.50	a
15 N-Nitrosodimethylamine	42	4.063	4.009	0.053	94	277854	8.00	7.18	
16 Pyridine	52	4.116	4.116	0.064	92	617214	16.0	11.0	a
36 Benzaldehyde	77	6.200	6.194	0.006	96	1190127	16.0	18.7	E
37 Phenol	94	6.243	6.232	0.011	99	583983	8.00	5.88	
38 Aniline	93	6.285	6.285	0.000	98	852793	8.00	7.26	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	95	789983	8.00	9.37	
41 2-Chlorophenol	128	6.403	6.397	0.005	97	756499	8.00	9.61	
43 n-Decane	57	6.408	6.408	0.000	91	624833	8.00	6.28	
44 1,3-Dichlorobenzene	146	6.531	6.531	0.000	97	742616	8.00	8.35	
45 1,4-Dichlorobenzene	146	6.590	6.590	0.000	94	779742	8.00	8.60	
46 Benzyl alcohol	108	6.681	6.675	0.006	92	453848	8.00	9.07	
47 1,2-Dichlorobenzene	146	6.729	6.729	0.000	96	729034	8.00	8.56	
49 2-Methylphenol	108	6.761	6.755	0.006	94	689630	8.00	9.60	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	95	1036757	8.00	8.89	
48 Indene	115	6.809	6.803	0.005	87	5625853	64.0	42.2	E
56 4-Methylphenol	108	6.884	6.878	0.006	95	681264	8.00	9.12	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	90	542768	8.00	10.2	
53 Acetophenone	105	6.905	6.905	0.000	96	1070421	8.00	9.91	
59 Hexachloroethane	117	7.023	7.022	0.000	94	284990	8.00	8.10	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
61 Nitrobenzene	77	7.060	7.060	0.000	87	827301	8.00	10.4	
63 Isophorone	82	7.252	7.252	0.000	99	1547805	8.00	10.6	
68 2,4-Dimethylphenol	107	7.338	7.332	0.006	95	809687	8.00	10.4	
67 2-Nitrophenol	139	7.332	7.332	0.000	97	419254	8.00	10.6	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	99	963157	8.00	10.3	
72 Benzoic acid	105	7.445	7.423	0.022	89	1838357	64.0	33.7	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	95	683524	8.00	10.6	
75 1,2,4-Trichlorobenzene	180	7.610	7.610	0.000	94	682449	8.00	9.46	
76 Naphthalene	128	7.685	7.685	0.000	99	2179137	8.00	9.47	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	694944	8.00	7.97	
79 2,6-Dichlorophenol	162	7.722	7.722	0.000	97	683727	8.00	10.6	
81 Hexachlorobutadiene	225	7.776	7.776	0.000	95	388596	8.00	8.34	
84 Caprolactam	113	8.006	8.000	0.006	80	200618	16.0	8.68	
87 4-Chloro-3-methylphenol	107	8.091	8.091	0.000	96	687326	8.00	10.9	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	1443705	8.00	9.49	
91 1-Methylnaphthalene	142	8.353	8.347	0.006	92	1385252	8.00	9.89	
93 Hexachlorocyclopentadiene	237	8.396	8.395	0.000	97	370587	8.00	7.13	
92 1,2,4,5-Tetrachlorobenzene	216	8.406	8.406	0.000	98	690213	8.00	9.24	
94 2,4,6-Trichlorophenol	196	8.492	8.486	0.006	92	518882	8.00	10.1	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	93	526326	8.00	10.5	
97 1,1'-Biphenyl	154	8.647	8.647	0.000	96	1861633	8.00	10.0	
98 2-Chloronaphthalene	162	8.679	8.679	0.000	97	1435634	8.00	9.85	
100 2-Nitroaniline	65	8.743	8.743	0.000	85	453020	8.00	10.7	
104 Dimethyl phthalate	163	8.871	8.866	0.005	99	1732859	8.00	11.1	
105 1,3-Dinitrobenzene	168	8.908	8.908	0.000	88	275377	8.00	11.3	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	95	402625	8.00	10.9	
107 Acenaphthylene	152	9.037	9.037	0.000	98	2142012	8.00	9.97	
108 3-Nitroaniline	138	9.085	9.079	0.006	95	349005	8.00	9.04	
110 2,4-Dinitrophenol	184	9.170	9.165	0.005	86	408648	16.0	20.2	
109 Acenaphthene	153	9.181	9.181	0.000	95	1524973	8.00	10.3	
111 4-Nitrophenol	109	9.197	9.191	0.006	92	350648	16.0	15.5	
113 2,4-Dinitrotoluene	165	9.277	9.272	0.005	94	528035	8.00	11.0	
114 Dibenzofuran	168	9.320	9.320	0.000	96	2044935	8.00	10.4	
117 2,3,4,6-Tetrachlorophenol	232	9.416	9.416	0.000	72	447498	8.00	10.8	
120 Hexadecane	57	9.448	9.443	0.005	92	879177	8.00	7.91	
119 Diethyl phthalate	149	9.453	9.448	0.005	98	1703088	8.00	10.7	
122 4-Chlorophenyl phenyl ether	204	9.582	9.581	0.001	93	863907	8.00	10.3	
125 4-Nitroaniline	138	9.603	9.597	0.005	87	427695	8.00	11.2	
123 Fluorene	166	9.614	9.608	0.006	94	1704123	8.00	10.5	
126 4,6-Dinitro-2-methylphenol	198	9.624	9.614	0.005	89	587709	16.0	22.8	
128 Diphenylamine	169	9.678	9.673	0.000	94	1242722	6.84	9.37	
129 N-Nitrosodiphenylamine	169	9.678	9.673	0.000	99	1242722	8.00	11.0	
130 1,2-Diphenylhydrazine	77	9.720	9.715	0.005	99	1666434	8.00	10.4	
131 Azobenzene	77	9.720	9.710	0.005	98	1666434	8.00	10.5	
137 4-Bromophenyl phenyl ether	248	9.998	9.993	0.000	65	510826	8.00	10.7	
138 Hexachlorobenzene	284	10.089	10.078	0.005	95	569762	8.00	10.0	
141 Atrazine	200	10.100	10.094	0.006	95	1037688	16.0	21.8	E
146 n-Octadecane	57	10.212	10.207	0.000	95	993351	8.00	9.11	
143 Pentachlorophenol	266	10.239	10.233	0.000	92	660315	16.0	20.5	
149 Phenanthrene	178	10.431	10.425	0.005	98	2544989	8.00	10.9	
150 Anthracene	178	10.474	10.463	0.006	98	2343784	8.00	10.4	
151 Carbazole	167	10.586	10.580	0.000	97	2043469	8.00	12.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	100	2527382	8.00	10.4	
161 Fluoranthene	202	11.473	11.467	0.000	98	2566787	8.00	10.7	
164 Benzidine	184	11.553	11.548	0.000	99	488453	16.0	7.58	
165 Pyrene	202	11.708	11.703	0.000	96	2738101	8.00	10.3	
172 Butyl benzyl phthalate	149	12.306	12.296	0.005	98	1248977	8.00	10.3	
180 Bis(2-ethylhexyl) phthalate	149	13.017	13.006	0.006	97	1564157	8.00	8.98	
177 3,3'-Dichlorobenzidine	252	13.049	13.038	0.006	73	1761041	16.0	20.4	
179 Benzo[a]anthracene	228	13.129	13.118	0.006	99	2486317	8.00	9.48	
181 Chrysene	228	13.182	13.171	0.005	96	2280906	8.00	9.14	
184 Di-n-octyl phthalate	149	13.973	13.962	0.006	99	2659690	8.00	9.52	
186 Benzo[b]fluoranthene	252	14.753	14.742	0.011	97	2365420	8.00	9.49	
187 Benzo[k]fluoranthene	252	14.790	14.785	0.005	98	2342492	8.00	9.39	
189 Benzo[a]pyrene	252	15.282	15.276	0.006	77	1993488	8.00	8.28	
193 Indeno[1,2,3-cd]pyrene	276	17.226	17.210	0.016	99	2651426	8.00	9.28	
194 Dibenz(a,h)anthracene	278	17.232	17.221	0.011	91	2356808	8.00	9.56	
195 Benzo[g,h,i]perylene	276	17.766	17.755	0.011	98	2345942	8.00	9.54	
S 258 3-Methylphenol	1				0		8.00	9.12	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018173.d

Injection Date: 23-Nov-2021 07:50:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: LCS 480-605089/2-A

Worklist Smp#: 12

Client ID:

Injection Vol: 2.0 ul

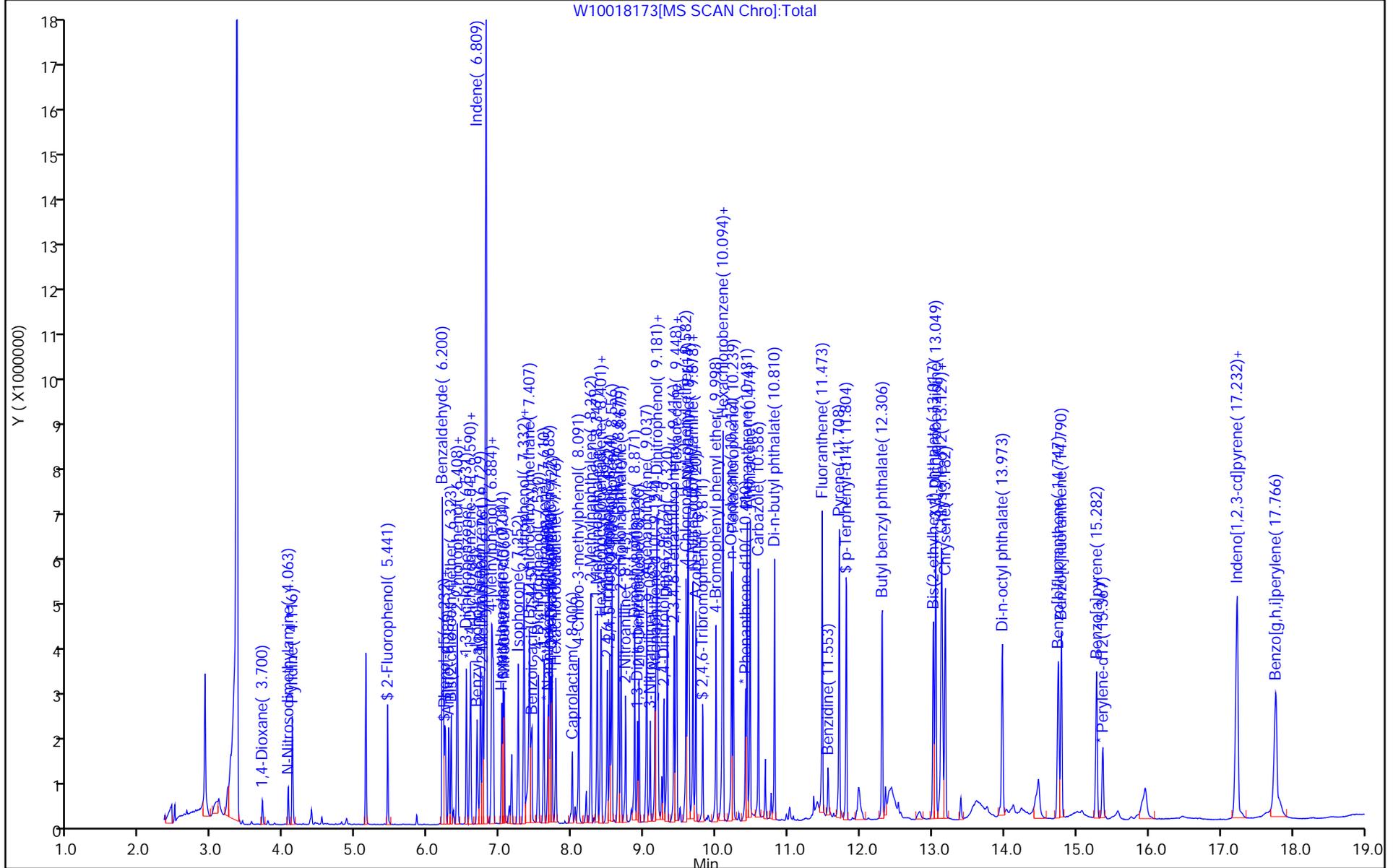
Dil. Factor: 1.0000

ALS Bottle#: 40

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-606423/2-A
 Matrix: Water Lab File ID: Y02827257.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 19:07
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	28.7		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	21.2		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	31.5		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	29.9		5.0	0.61
120-83-2	2,4-Dichlorophenol	30.5		5.0	0.51
105-67-9	2,4-Dimethylphenol	30.0		5.0	0.50
51-28-5	2,4-Dinitrophenol	48.7		10	2.2
121-14-2	2,4-Dinitrotoluene	33.4		5.0	0.45
606-20-2	2,6-Dinitrotoluene	32.4		5.0	0.40
91-58-7	2-Chloronaphthalene	29.7		5.0	0.46
95-57-8	2-Chlorophenol	24.5		5.0	0.53
95-48-7	2-Methylphenol	25.0		5.0	0.40
91-57-6	2-Methylnaphthalene	27.2		5.0	0.60
88-74-4	2-Nitroaniline	28.6		10	0.42
88-75-5	2-Nitrophenol	28.8		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	58.5		5.0	0.40
99-09-2	3-Nitroaniline	27.0		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	58.7		10	2.2
101-55-3	4-Bromophenyl phenyl ether	33.5		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	31.6		5.0	0.45
106-47-8	4-Chloroaniline	26.5		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	32.0		5.0	0.35
106-44-5	4-Methylphenol	24.3		10	0.36
100-01-6	4-Nitroaniline	31.3		10	0.25
100-02-7	4-Nitrophenol	43.3		10	1.5
83-32-9	Acenaphthene	29.7		5.0	0.41
208-96-8	Acenaphthylene	27.4		5.0	0.38
98-86-2	Acetophenone	27.4		5.0	0.54
120-12-7	Anthracene	31.2		5.0	0.28
1912-24-9	Atrazine	68.9		5.0	0.46
100-52-7	Benzaldehyde	53.6		5.0	0.27
56-55-3	Benzo[a]anthracene	32.1		5.0	0.36
50-32-8	Benzo[a]pyrene	28.0		5.0	0.47
205-99-2	Benzo[b]fluoranthene	31.9		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-606423/2-A
 Matrix: Water Lab File ID: Y02827257.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 19:07
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	33.6		5.0	0.35
207-08-9	Benzo[k]fluoranthene	30.8		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	29.4		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	26.7		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	32.5		5.0	2.2
85-68-7	Butyl benzyl phthalate	31.9		5.0	1.0
105-60-2	Caprolactam	22.9		5.0	2.2
86-74-8	Carbazole	34.0		5.0	0.30
218-01-9	Chrysene	32.2		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	34.2		5.0	0.42
84-74-2	Di-n-butyl phthalate	33.3		5.0	0.31
117-84-0	Di-n-octyl phthalate	31.5		5.0	0.47
132-64-9	Dibenzofuran	30.1		10	0.51
84-66-2	Diethyl phthalate	33.7		5.0	0.22
131-11-3	Dimethyl phthalate	33.5		5.0	0.36
206-44-0	Fluoranthene	32.7		5.0	0.40
86-73-7	Fluorene	31.9		5.0	0.36
118-74-1	Hexachlorobenzene	34.7		5.0	0.51
87-68-3	Hexachlorobutadiene	23.3		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	14.0		5.0	0.59
67-72-1	Hexachloroethane	20.2		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	33.1		5.0	0.47
78-59-1	Isophorone	28.0		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	28.2		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	32.0		5.0	0.51
91-20-3	Naphthalene	26.6		5.0	0.76
98-95-3	Nitrobenzene	25.6		5.0	0.29
87-86-5	Pentachlorophenol	37.1		10	2.2
85-01-8	Phenanthrene	31.1		5.0	0.44
108-95-2	Phenol	16.4		5.0	0.39
129-00-0	Pyrene	31.5		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-606423/2-A
 Matrix: Water Lab File ID: Y02827257.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 19:07
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	76		46-120
4165-62-2	Phenol-d5 (Surr)	44		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	104		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	114		41-120
321-60-8	2-Fluorobiphenyl (Surr)	93		48-120
367-12-4	2-Fluorophenol (Surr)	58		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827257.D
 Lims ID: LCS 480-606423/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Nov-2021 19:07:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-015
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 11:49:45

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	6.493	6.490	0.003	91	190715	4.00	4.00	
* 2 Naphthalene-d8	136	7.580	7.579	0.001	98	664224	4.00	4.00	
* 3 Acenaphthene-d10	164	9.067	9.066	0.001	90	414218	4.00	4.00	
* 4 Phenanthrene-d10	188	10.330	10.329	0.001	94	748291	4.00	4.00	
* 5 Chrysene-d12	240	13.037	13.033	0.004	96	763780	4.00	4.00	
* 6 Perylene-d12	264	15.262	15.258	0.004	99	921178	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.378	5.361	0.017	87	236114	8.00	4.62	
\$ 8 Phenol-d5	99	6.176	6.170	0.006	0	209428	8.00	3.56	
\$ 9 Nitrobenzene-d5	82	6.962	6.959	0.003	85	330685	8.00	6.04	
\$ 10 2-Fluorobiphenyl	172	8.468	8.468	0.000	98	1044614	8.00	7.44	
\$ 11 2,4,6-Tribromophenol	330	9.734	9.734	0.000	88	275111	8.00	9.12	
\$ 12 p-Terphenyl-d14	244	11.717	11.715	0.002	96	1653797	8.00	8.30	
13 1,4-Dioxane	88	3.556	3.497	0.059	85	68998	8.00	3.93	
14 N-Nitrosodimethylamine	42	3.951	3.914	0.037	91	94203	8.00	4.50	
15 Pyridine	52	4.002	3.959	0.043	94	109216	16.0	4.85	
35 Benzaldehyde	77	6.116	6.116	0.000	92	443793	16.0	13.4	
37 Phenol	94	6.187	6.181	0.006	98	246898	8.00	4.10	
36 Aniline	93	6.210	6.210	0.000	97	309487	8.00	4.20	
39 Bis(2-chloroethyl)ether	93	6.241	6.241	0.000	99	284428	8.00	6.67	
40 2-Chlorophenol	128	6.326	6.320	0.006	93	359021	8.00	6.13	
41 n-Decane	57	6.323	6.320	0.003	85	134804	8.00	3.42	
43 1,3-Dichlorobenzene	146	6.445	6.445	0.000	98	377572	8.00	5.35	
44 1,4-Dichlorobenzene	146	6.505	6.505	0.000	95	400707	8.00	5.61	
45 Benzyl alcohol	108	6.601	6.601	0.000	94	184916	8.00	5.59	
46 1,2-Dichlorobenzene	146	6.641	6.641	0.000	98	383354	8.00	5.63	
48 2-Methylphenol	108	6.692	6.692	0.000	94	302599	8.00	6.25	
49 2,2'-oxybis[1-chloropropane]	45	6.698	6.698	0.000	83	217293	8.00	5.30	
47 Indene	115	6.720	6.718	0.002	89	4841211	64.0	48.5	
53 N-Nitrosodi-n-propylamine	70	6.811	6.811	0.000	82	199633	8.00	7.06	
57 4-Methylphenol	108	6.820	6.817	0.003	96	304909	8.00	6.06	
52 Acetophenone	105	6.825	6.825	0.000	97	471923	8.00	6.84	
58 Hexachloroethane	117	6.933	6.936	-0.003	89	130005	8.00	5.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
59 Nitrobenzene	77	6.979	6.976	0.003	84	299965	8.00	6.40	
62 Isophorone	82	7.172	7.169	0.003	98	573499	8.00	7.00	
64 2-Nitrophenol	139	7.248	7.248	0.000	88	225641	8.00	7.20	
66 2,4-Dimethylphenol	107	7.262	7.262	0.000	92	377194	8.00	7.51	
69 Bis(2-chloroethoxy)methane	93	7.328	7.328	0.000	96	357502	8.00	7.36	
70 Benzoic acid	105	7.359	7.364	-0.005	88	413470	64.0	14.3	M
72 2,4-Dichlorophenol	162	7.455	7.455	0.000	88	376384	8.00	7.62	
73 1,2,4-Trichlorobenzene	180	7.526	7.523	0.003	94	369453	8.00	6.60	
74 Naphthalene	128	7.597	7.600	-0.003	96	1103347	8.00	6.64	
76 4-Chloroaniline	127	7.626	7.626	0.000	97	393885	8.00	6.62	
77 2,6-Dichlorophenol	162	7.643	7.640	0.003	94	364448	8.00	7.30	
79 Hexachlorobutadiene	225	7.688	7.691	-0.003	92	224621	8.00	5.82	
84 Caprolactam	113	7.918	7.926	-0.008	92	83548	16.0	5.73	
85 4-Chloro-3-methylphenol	107	8.026	8.026	0.000	93	333390	8.00	7.90	
87 2-Methylnaphthalene	142	8.179	8.179	0.000	92	797569	8.00	6.79	
89 1-Methylnaphthalene	142	8.264	8.264	0.000	92	765948	8.00	7.14	
90 Hexachlorocyclopentadiene	237	8.309	8.309	0.000	94	157560	8.00	3.51	
91 1,2,4,5-Tetrachlorobenzene	216	8.321	8.321	0.000	95	446608	8.00	6.65	
93 2,4,6-Trichlorophenol	196	8.412	8.412	0.000	88	311920	8.00	7.47	
94 2,4,5-Trichlorophenol	196	8.451	8.451	0.000	93	328754	8.00	7.86	
96 1,1'-Biphenyl	154	8.559	8.559	0.000	94	1057167	8.00	7.18	
97 2-Chloronaphthalene	162	8.596	8.596	0.000	95	826026	8.00	7.43	
100 2-Nitroaniline	65	8.667	8.667	0.000	93	173135	8.00	7.15	
105 Dimethyl phthalate	163	8.789	8.786	0.003	99	1034709	8.00	8.38	
106 1,3-Dinitrobenzene	168	8.834	8.832	0.002	96	161309	8.00	8.24	
107 2,6-Dinitrotoluene	165	8.854	8.851	0.003	91	240476	8.00	8.10	
108 Acenaphthylene	152	8.954	8.951	0.003	97	1248713	8.00	6.86	
109 3-Nitroaniline	138	9.010	9.007	0.003	92	204297	8.00	6.75	
111 2,4-Dinitrophenol	184	9.095	9.093	0.002	63	209040	16.0	12.2	
110 Acenaphthene	153	9.095	9.095	0.000	91	900394	8.00	7.43	
112 4-Nitrophenol	109	9.144	9.141	0.003	82	164428	16.0	10.8	
114 2,4-Dinitrotoluene	165	9.200	9.198	0.002	93	337636	8.00	8.36	
115 Dibenzofuran	168	9.240	9.237	0.003	96	1255447	8.00	7.53	
118 2,3,4,6-Tetrachlorophenol	232	9.340	9.337	0.003	68	262679	8.00	7.38	
121 Hexadecane	57	9.362	9.362	0.000	98	273900	8.00	5.68	
120 Diethyl phthalate	149	9.374	9.371	0.003	98	1052182	8.00	8.41	
123 4-Chlorophenyl phenyl ether	204	9.498	9.498	0.000	85	552998	8.00	8.00	
126 4-Nitroaniline	138	9.532	9.527	0.005	90	247412	8.00	7.82	
124 Fluorene	166	9.530	9.530	0.000	94	1042119	8.00	7.98	
127 4,6-Dinitro-2-methylphenol	198	9.552	9.549	0.003	95	340069	16.0	14.7	
130 N-Nitrosodiphenylamine	169	9.598	9.598	0.000	62	751659	8.00	8.00	
129 Diphenylamine	169	9.598	9.598	0.000	92	751659	6.84	6.84	
131 1,2-Diphenylhydrazine	77	9.637	9.637	0.000	41	695573	8.00	7.34	
132 Azobenzene	77	9.637	9.637	0.000	96	695573	8.00	7.34	
139 4-Bromophenyl phenyl ether	248	9.918	9.915	0.003	57	397346	8.00	8.37	
140 Hexachlorobenzene	284	10.006	10.003	0.003	95	513767	8.00	8.67	
143 Atrazine	200	10.023	10.018	0.005	93	670807	16.0	17.2	
148 n-Octadecane	57	10.134	10.131	0.003	97	317383	8.00	6.37	
145 Pentachlorophenol	266	10.165	10.162	0.003	94	252643	16.0	9.28	
151 Phenanthrene	178	10.350	10.350	0.000	95	1514704	8.00	7.78	
152 Anthracene	178	10.395	10.392	0.003	95	1504135	8.00	7.80	
153 Carbazole	167	10.514	10.511	0.003	96	1402652	8.00	8.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
157 Di-n-butyl phthalate	149	10.738	10.736	0.002	99	1758437	8.00	8.33	
164 Fluoranthene	202	11.388	11.388	0.000	96	1769189	8.00	8.18	
166 Benzidine	184	11.471	11.473	-0.002	98	233260	16.0	2.07	
167 Pyrene	202	11.621	11.618	0.003	97	1815367	8.00	7.87	
174 Butyl benzyl phthalate	149	12.208	12.203	0.005	94	767709	8.00	7.96	
181 Bis(2-ethylhexyl) phthalate	149	12.906	12.903	0.003	91	1115943	8.00	8.12	
179 3,3'-Dichlorobenzidine	252	12.946	12.940	0.006	71	1378893	16.0	14.6	
180 Benzo[a]anthracene	228	13.023	13.020	0.003	96	1851637	8.00	8.01	
182 Chrysene	228	13.077	13.071	0.006	96	1770924	8.00	8.05	
184 Di-n-octyl phthalate	149	13.854	13.851	0.003	97	1870013	8.00	7.87	
186 Benzo[b]fluoranthene	252	14.643	14.637	0.006	95	2123039	8.00	7.98	
187 Benzo[k]fluoranthene	252	14.683	14.680	0.003	97	2079766	8.00	7.71	
189 Benzo[a]pyrene	252	15.174	15.171	0.003	75	1777620	8.00	7.00	
193 Indeno[1,2,3-cd]pyrene	276	17.103	17.092	0.011	95	2564097	8.00	8.28	
194 Dibenz(a,h)anthracene	278	17.106	17.097	0.009	91	2275970	8.00	8.55	
195 Benzo[g,h,i]perylene	276	17.640	17.631	0.009	97	2238114	8.00	8.40	
S 263 3-Methylphenol	1				0		8.00	6.06	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827257.D

Injection Date: 30-Nov-2021 19:07:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: LCS 480-606423/2-A

Worklist Smp#: 15

Client ID:

Injection Vol: 2.0 ul

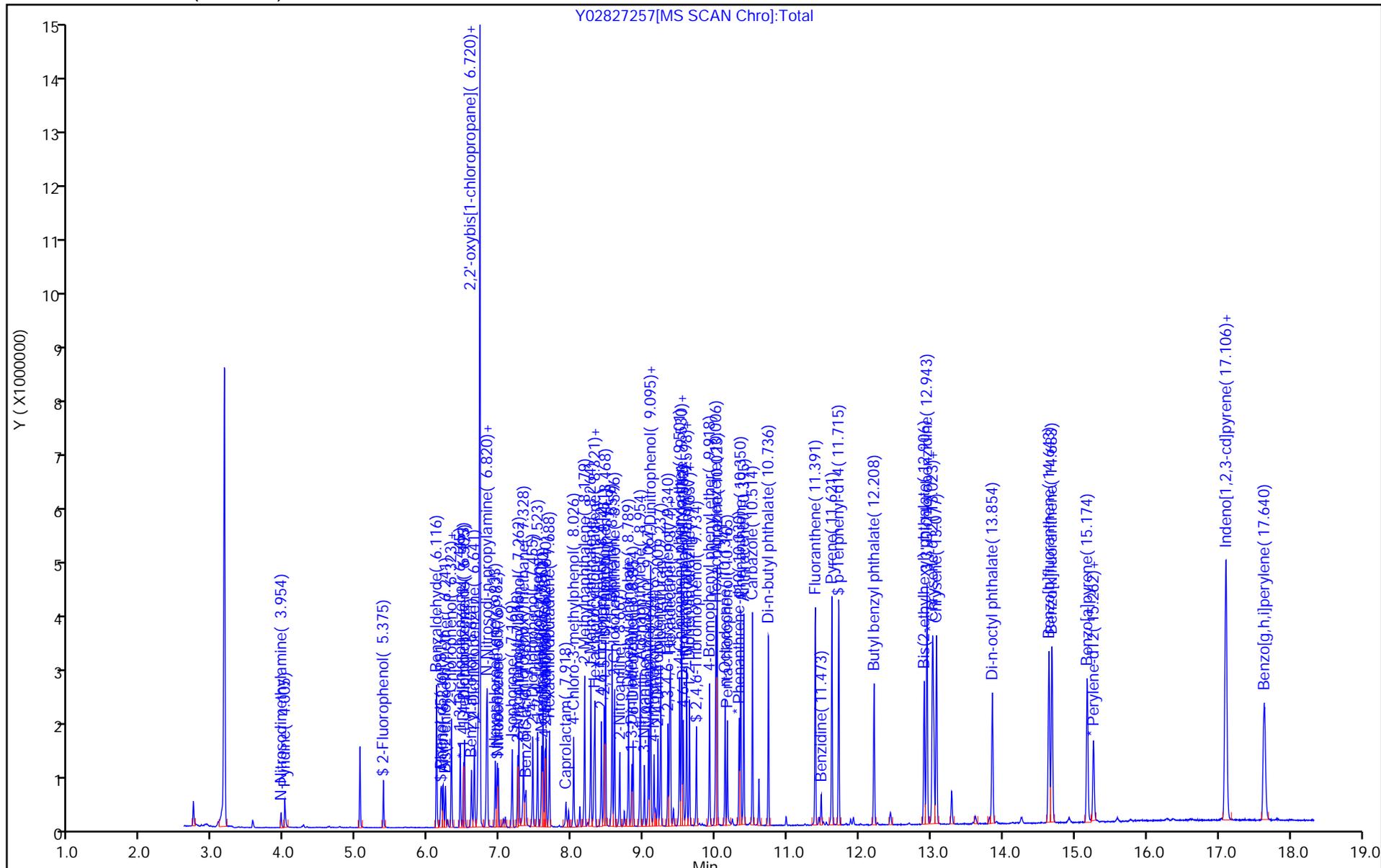
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS Lab Sample ID: 480-192275-4 MS
 Matrix: Water Lab File ID: W10018174.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 08:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	33.0		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	30.1		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	34.5		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	34.3		5.0	0.61
120-83-2	2,4-Dichlorophenol	34.6		5.0	0.51
105-67-9	2,4-Dimethylphenol	34.0		5.0	0.50
51-28-5	2,4-Dinitrophenol	68.1		10	2.2
121-14-2	2,4-Dinitrotoluene	36.3		5.0	0.45
606-20-2	2,6-Dinitrotoluene	36.5		5.0	0.40
91-58-7	2-Chloronaphthalene	32.4		5.0	0.46
95-57-8	2-Chlorophenol	32.4		5.0	0.53
95-48-7	2-Methylphenol	31.4		5.0	0.40
91-57-6	2-Methylnaphthalene	31.3		5.0	0.60
88-74-4	2-Nitroaniline	35.3		10	0.42
88-75-5	2-Nitrophenol	35.9		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	64.9		5.0	0.40
99-09-2	3-Nitroaniline	29.6		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	77.4		10	2.2
101-55-3	4-Bromophenyl phenyl ether	35.9		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	35.4		5.0	0.45
106-47-8	4-Chloroaniline	26.7		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	33.5		5.0	0.35
106-44-5	4-Methylphenol	29.7		10	0.36
100-01-6	4-Nitroaniline	35.0		10	0.25
100-02-7	4-Nitrophenol	50.4		10	1.5
83-32-9	Acenaphthene	33.8		5.0	0.41
208-96-8	Acenaphthylene	33.5		5.0	0.38
98-86-2	Acetophenone	32.8		5.0	0.54
120-12-7	Anthracene	35.6		5.0	0.28
1912-24-9	Atrazine	74.8		5.0	0.46
100-52-7	Benzaldehyde	63.2		5.0	0.27
56-55-3	Benzo[a]anthracene	25.1		5.0	0.36
50-32-8	Benzo[a]pyrene	19.1		5.0	0.47
205-99-2	Benzo[b]fluoranthene	22.1		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS Lab Sample ID: 480-192275-4 MS
 Matrix: Water Lab File ID: W10018174.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 08:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	21.1		5.0	0.35
207-08-9	Benzo[k]fluoranthene	21.5		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	34.1		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	31.8		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	21.0		5.0	2.2
85-68-7	Butyl benzyl phthalate	30.6		5.0	1.0
105-60-2	Caprolactam	27.9		5.0	2.2
86-74-8	Carbazole	41.7		5.0	0.30
218-01-9	Chrysene	24.1		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	20.4		5.0	0.42
84-74-2	Di-n-butyl phthalate	35.0		5.0	0.31
117-84-0	Di-n-octyl phthalate	22.1		5.0	0.47
132-64-9	Dibenzofuran	34.0		10	0.51
84-66-2	Diethyl phthalate	35.6		5.0	0.22
131-11-3	Dimethyl phthalate	36.9		5.0	0.36
206-44-0	Fluoranthene	36.4		5.0	0.40
86-73-7	Fluorene	34.4		5.0	0.36
118-74-1	Hexachlorobenzene	32.4		5.0	0.51
87-68-3	Hexachlorobutadiene	28.0		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	23.2		5.0	0.59
67-72-1	Hexachloroethane	27.6		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	20.2		5.0	0.47
78-59-1	Isophorone	35.4		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	34.6		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	37.2		5.0	0.51
91-20-3	Naphthalene	32.3		5.0	0.76
98-95-3	Nitrobenzene	34.8		5.0	0.29
87-86-5	Pentachlorophenol	71.6		10	2.2
85-01-8	Phenanthrene	36.8		5.0	0.44
108-95-2	Phenol	19.7		5.0	0.39
129-00-0	Pyrene	33.8		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS Lab Sample ID: 480-192275-4 MS
 Matrix: Water Lab File ID: W10018174.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 08:17
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	109		46-120
4165-62-2	Phenol-d5 (Surr)	60		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	73		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	116		41-120
321-60-8	2-Fluorobiphenyl (Surr)	106		48-120
367-12-4	2-Fluorophenol (Surr)	80		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018174.d
 Lims ID: 480-192275-A-4-A MS
 Client ID: 828021-GW-04
 Sample Type: MS
 Inject. Date: 23-Nov-2021 08:17:30 ALS Bottle#: 41 Worklist Smp#: 13
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-013
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:10:13

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	6.579	6.574	0.005	95	232411	4.00	4.00	
* 2 Naphthalene-d8	136	7.664	7.664	0.000	99	910378	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.149	0.005	91	524906	4.00	4.00	
* 4 Phenanthrene-d10	188	10.410	10.410	0.000	97	860050	4.00	4.00	
* 5 Chrysene-d12	240	13.139	13.139	0.000	99	832781	4.00	4.00	
* 6 Perylene-d12	264	15.362	15.362	0.000	98	851878	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	484344	8.00	6.40	
\$ 8 Phenol-d5	99	6.232	6.221	0.011	99	456949	8.00	4.81	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	765123	8.00	8.68	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	99	1410310	8.00	8.49	
\$ 11 2,4,6-Tribromophenol	330	9.811	9.795	0.000	93	254547	8.00	9.31	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1184702	8.00	5.82	
36 Benzaldehyde	77	6.200	6.194	0.006	95	1016129	16.0	15.8	
37 Phenol	94	6.243	6.232	0.011	99	494497	8.00	4.92	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	0.000	95	677753	8.00	7.95	
41 2-Chlorophenol	128	6.403	6.397	0.005	97	645812	8.00	8.11	
49 2-Methylphenol	108	6.761	6.755	0.006	93	570666	8.00	7.86	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	95	887174	8.00	7.53	
56 4-Methylphenol	108	6.884	6.878	0.006	94	560866	8.00	7.43	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	90	463849	8.00	8.66	
53 Acetophenone	105	6.905	6.905	0.000	97	895430	8.00	8.20	
59 Hexachloroethane	117	7.023	7.022	0.000	94	245074	8.00	6.89	
61 Nitrobenzene	77	7.060	7.060	0.000	87	700170	8.00	8.69	
63 Isophorone	82	7.252	7.252	0.000	99	1308889	8.00	8.85	
68 2,4-Dimethylphenol	107	7.338	7.332	0.006	94	673885	8.00	8.51	
67 2-Nitrophenol	139	7.332	7.332	0.000	94	360389	8.00	8.98	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	98	808548	8.00	8.51	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	94	564814	8.00	8.64	
76 Naphthalene	128	7.685	7.685	0.000	98	1879531	8.00	8.07	
78 4-Chloroaniline	127	7.706	7.706	0.000	95	589535	8.00	6.67	
81 Hexachlorobutadiene	225	7.776	7.776	0.000	95	330148	8.00	7.00	
84 Caprolactam	113	8.006	8.000	0.006	80	162182	16.0	6.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107	8.091	8.091	0.000	97	565705	8.00	8.84	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	1206873	8.00	7.83	
93 Hexachlorocyclopentadiene	237	8.396	8.395	0.000	96	301655	8.00	5.81	
94 2,4,6-Trichlorophenol	196	8.486	8.486	0.000	92	439597	8.00	8.57	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	93	429186	8.00	8.62	
97 1,1'-Biphenyl	154	8.647	8.646	0.000	95	1535465	8.00	8.25	
98 2-Chloronaphthalene	162	8.679	8.679	0.000	97	1180863	8.00	8.10	
100 2-Nitroaniline	65	8.743	8.743	0.000	84	374394	8.00	8.84	
104 Dimethyl phthalate	163	8.871	8.865	0.005	99	1443228	8.00	9.23	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	95	336733	8.00	9.13	
107 Acenaphthylene	152	9.037	9.036	0.000	98	1800273	8.00	8.39	
108 3-Nitroaniline	138	9.085	9.079	0.006	95	284669	8.00	7.41	
110 2,4-Dinitrophenol	184	9.170	9.165	0.005	85	340825	16.0	17.0	
109 Acenaphthene	153	9.181	9.181	0.000	94	1248891	8.00	8.46	
111 4-Nitrophenol	109	9.197	9.191	0.006	87	283195	16.0	12.6	
113 2,4-Dinitrotoluene	165	9.277	9.271	0.005	94	435705	8.00	9.07	
114 Dibenzofuran	168	9.320	9.320	0.000	96	1677713	8.00	8.50	
119 Diethyl phthalate	149	9.453	9.448	0.005	98	1413033	8.00	8.91	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	92	704404	8.00	8.38	
125 4-Nitroaniline	138	9.603	9.597	0.005	84	331953	8.00	8.75	
123 Fluorene	166	9.614	9.608	0.006	94	1397042	8.00	8.60	
126 4,6-Dinitro-2-methylphenol	198	9.624	9.614	0.005	90	485225	16.0	19.4	
129 N-Nitrosodiphenylamine	169	9.678	9.673	0.000	99	1030109	8.00	9.29	
137 4-Bromophenyl phenyl ether	248	9.998	9.993	0.000	68	419221	8.00	8.98	
138 Hexachlorobenzene	284	10.089	10.078	0.005	94	449694	8.00	8.11	
141 Atrazine	200	10.094	10.094	0.000	94	888404	16.0	18.7	E
143 Pentachlorophenol	266	10.239	10.233	0.000	93	563082	16.0	17.9	
149 Phenanthrene	178	10.431	10.425	0.005	98	2106414	8.00	9.20	
150 Anthracene	178	10.474	10.463	0.006	98	1963903	8.00	8.91	
151 Carbazole	167	10.586	10.580	0.000	96	1661690	8.00	10.4	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	100	2073837	8.00	8.75	
161 Fluoranthene	202	11.473	11.467	0.000	98	2140170	8.00	9.11	
165 Pyrene	202	11.708	11.708	0.000	97	2216188	8.00	8.44	
172 Butyl benzyl phthalate	149	12.306	12.301	0.005	98	921335	8.00	7.66	
180 Bis(2-ethylhexyl) phthalate	149	13.011	13.011	0.000	97	895103	8.00	5.25	
177 3,3'-Dichlorobenzidine	252	13.049	13.038	0.006	73	1384788	16.0	16.2	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	99	1628132	8.00	6.27	
181 Chrysene	228	13.177	13.177	0.000	97	1485939	8.00	6.01	
184 Di-n-octyl phthalate	149	13.967	13.967	0.000	99	1506668	8.00	5.52	
186 Benzo[b]fluoranthene	252	14.747	14.747	0.005	97	1382168	8.00	5.52	
187 Benzo[k]fluoranthene	252	14.785	14.790	0.000	99	1347716	8.00	5.38	
189 Benzo[a]pyrene	252	15.276	15.282	0.000	77	1154835	8.00	4.79	
193 Indeno[1,2,3-cd]pyrene	276	17.210	17.216	0.000	98	1444550	8.00	5.05	
194 Dibenz(a,h)anthracene	278	17.226	17.227	0.005	91	1265182	8.00	5.11	
195 Benzo[g,h,i]perylene	276	17.760	17.761	0.005	98	1301232	8.00	5.27	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018174.d

Injection Date: 23-Nov-2021 08:17:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-A-4-A MS

Worklist Smp#: 13

Client ID: 828021-GW-04

Injection Vol: 2.0 ul

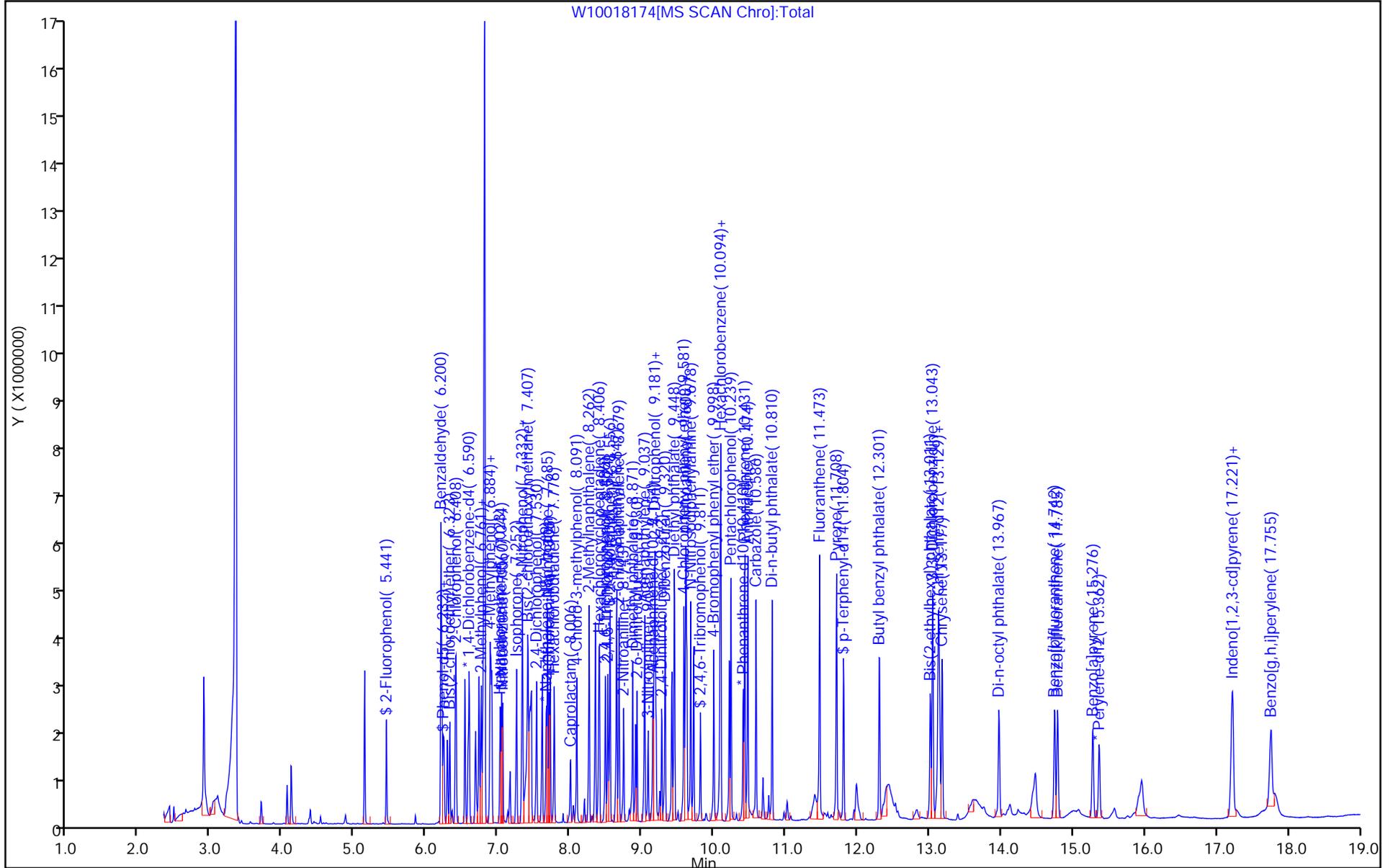
Dil. Factor: 1.0000

ALS Bottle#: 41

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS RE Lab Sample ID: 480-192275-4 MS RE
 Matrix: Water Lab File ID: Y02827258.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 19:34
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	32.0		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	25.9		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	35.3		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	34.0		5.0	0.61
120-83-2	2,4-Dichlorophenol	34.4		5.0	0.51
105-67-9	2,4-Dimethylphenol	35.7		5.0	0.50
51-28-5	2,4-Dinitrophenol	57.9		10	2.2
121-14-2	2,4-Dinitrotoluene	35.7		5.0	0.45
606-20-2	2,6-Dinitrotoluene	37.1		5.0	0.40
91-58-7	2-Chloronaphthalene	34.2		5.0	0.46
95-57-8	2-Chlorophenol	29.8		5.0	0.53
95-48-7	2-Methylphenol	29.1		5.0	0.40
91-57-6	2-Methylnaphthalene	31.3		5.0	0.60
88-74-4	2-Nitroaniline	32.0		10	0.42
88-75-5	2-Nitrophenol	33.8		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	63.8		5.0	0.40
99-09-2	3-Nitroaniline	31.2		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	66.2		10	2.2
101-55-3	4-Bromophenyl phenyl ether	37.4		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	35.3		5.0	0.45
106-47-8	4-Chloroaniline	34.3		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	35.2		5.0	0.35
106-44-5	4-Methylphenol	28.1		10	0.36
100-01-6	4-Nitroaniline	33.3		10	0.25
100-02-7	4-Nitrophenol	45.8		10	1.5
83-32-9	Acenaphthene	33.0		5.0	0.41
208-96-8	Acenaphthylene	31.7		5.0	0.38
98-86-2	Acetophenone	33.1		5.0	0.54
120-12-7	Anthracene	34.6		5.0	0.28
1912-24-9	Atrazine	73.4		5.0	0.46
100-52-7	Benzaldehyde	65.2		5.0	0.27
56-55-3	Benzo[a]anthracene	27.5		5.0	0.36
50-32-8	Benzo[a]pyrene	21.1		5.0	0.47
205-99-2	Benzo[b]fluoranthene	24.5		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS RE Lab Sample ID: 480-192275-4 MS RE
 Matrix: Water Lab File ID: Y02827258.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 19:34
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	23.8		5.0	0.35
207-08-9	Benzo[k]fluoranthene	23.6		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	34.1		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	32.1		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	23.4		5.0	2.2
85-68-7	Butyl benzyl phthalate	32.6		5.0	1.0
105-60-2	Caprolactam	23.9		5.0	2.2
86-74-8	Carbazole	36.2		5.0	0.30
218-01-9	Chrysene	27.0		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	24.2		5.0	0.42
84-74-2	Di-n-butyl phthalate	34.7		5.0	0.31
117-84-0	Di-n-octyl phthalate	23.3		5.0	0.47
132-64-9	Dibenzofuran	34.1		10	0.51
84-66-2	Diethyl phthalate	36.1		5.0	0.22
131-11-3	Dimethyl phthalate	36.9		5.0	0.36
206-44-0	Fluoranthene	34.6		5.0	0.40
86-73-7	Fluorene	35.1		5.0	0.36
118-74-1	Hexachlorobenzene	36.3		5.0	0.51
87-68-3	Hexachlorobutadiene	30.6		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	17.0		5.0	0.59
67-72-1	Hexachloroethane	26.8		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	23.4		5.0	0.47
78-59-1	Isophorone	32.7		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	32.6		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	35.9		5.0	0.51
91-20-3	Naphthalene	31.4		5.0	0.76
98-95-3	Nitrobenzene	31.1		5.0	0.29
87-86-5	Pentachlorophenol	41.2		10	2.2
85-01-8	Phenanthrene	34.7		5.0	0.44
108-95-2	Phenol	18.0		5.0	0.39
129-00-0	Pyrene	33.2		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MS RE Lab Sample ID: 480-192275-4 MS RE
 Matrix: Water Lab File ID: Y02827258.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 19:34
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	88		46-120
4165-62-2	Phenol-d5 (Surr)	52		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	86		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	123	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	105		48-120
367-12-4	2-Fluorophenol (Surr)	71		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827258.D
 Lims ID: 480-192275-B-4-A MS
 Client ID: 828021-GW-04
 Sample Type: MS
 Inject. Date: 30-Nov-2021 19:34:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-016
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 08:59:50

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	6.490	6.490	0.000	92	181505	4.00	4.00	
* 2 Naphthalene-d8	136	7.582	7.579	0.003	98	638827	4.00	4.00	
* 3 Acenaphthene-d10	164	9.069	9.066	0.003	90	400425	4.00	4.00	
* 4 Phenanthrene-d10	188	10.329	10.329	0.000	94	713935	4.00	4.00	
* 5 Chrysene-d12	240	13.036	13.033	0.003	96	707305	4.00	4.00	
* 6 Perylene-d12	264	15.261	15.258	0.003	98	854995	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.380	5.361	0.019	88	276314	8.00	5.68	
\$ 8 Phenol-d5	99	6.177	6.170	0.007	0	233756	8.00	4.17	
\$ 9 Nitrobenzene-d5	82	6.961	6.959	0.002	85	370543	8.00	7.04	
\$ 10 2-Fluorobiphenyl	172	8.470	8.468	0.002	98	1142852	8.00	8.42	
\$ 11 2,4,6-Tribromophenol	330	9.736	9.734	0.002	88	284604	8.00	9.88	
\$ 12 p-Terphenyl-d14	244	11.714	11.715	-0.001	96	1275247	8.00	6.91	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	3.572	3.497	0.075	86	81461	8.00	4.88	a
14 N-Nitrosodimethylamine	42	3.958	3.914	0.044	91	110292	8.00	5.54	
15 Pyridine	52	4.012	3.959	0.053	96	216675	16.0	10.1	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.784					ND	
20 N-Nitrosomethylethylamine	88		4.892					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
24 Acrylamide	71		5.173					ND	
22 Methyl methanesulfonate	80		5.179					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
26 4-Chloropyridine	78		5.475					ND	
196 CBF-400	214		5.530					ND	
28 N-Nitrosodiethylamine	102		5.547					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
30 Ethyl methanesulfonate	79		5.803					ND	
31 2-Chloropyridine	78		5.922					ND	
257 CBF-500	161		5.944					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
35 Benzaldehyde	77	6.115	6.116	-0.001	93	513213	16.0	16.3	
34 4-Chlorotoluene	91		6.134					ND	
37 Phenol	94	6.189	6.181	0.008	95	257290	8.00	4.49	
36 Aniline	93	6.209	6.210	-0.001	97	453558	8.00	6.47	
39 Bis(2-chloroethyl)ether	93	6.240	6.241	-0.001	99	325143	8.00	8.02	
38 Pentachloroethane	167		6.251					ND	
40 2-Chlorophenol	128	6.325	6.320	0.005	93	414854	8.00	7.44	
41 n-Decane	57	6.322	6.320	0.002	81	154673	8.00	4.12	
42 p-Fluoroaniline	111	6.447	6.408	0.039	62	166053		NC	
43 1,3-Dichlorobenzene	146	6.447	6.445	0.002	97	473989	8.00	7.06	
44 1,4-Dichlorobenzene	146	6.507	6.505	0.002	97	488942	8.00	7.20	
45 Benzyl alcohol	108	6.603	6.601	0.002	96	226870	8.00	7.19	
46 1,2-Dichlorobenzene	146	6.643	6.641	0.002	98	460125	8.00	7.10	
48 2-Methylphenol	108	6.694	6.692	0.002	94	334630	8.00	7.26	
49 2,2'-oxybis[1-chloropropane]	45	6.697	6.698	-0.001	81	252155	8.00	6.46	
47 Indene	115	6.722	6.718	0.004	88	5727864	64.0	60.3	E
50 N-Nitrosopyrrolidine	100		6.799					ND	
53 N-Nitrosodi-n-propylamine	70	6.813	6.811	0.002	85	219612	8.00	8.16	
57 4-Methylphenol	108	6.819	6.817	0.002	97	336229	8.00	7.03	
52 Acetophenone	105	6.824	6.825	-0.001	97	542341	8.00	8.27	
54 N-Nitrosomorpholine	56		6.827					ND	
51 N-Methylaniline	106		6.855					ND	
56 2-Toluidine	106		6.856					ND	
55 4-Methylbenzenamine	106		6.859					ND	
58 Hexachloroethane	117	6.935	6.936	-0.001	89	164125	8.00	6.69	
59 Nitrobenzene	77	6.978	6.976	0.002	84	350561	8.00	7.78	
60 2,6-Dichloropyridine	112		7.071					ND	
61 N-Nitrosopiperidine	114		7.100					ND	
62 Isophorone	82	7.171	7.169	0.002	98	644994	8.00	8.18	
63 2-Chloroaniline	127		7.214					ND	
64 2-Nitrophenol	139	7.247	7.248	-0.001	90	254576	8.00	8.44	
66 2,4-Dimethylphenol	107	7.264	7.262	0.002	94	431327	8.00	8.93	
65 Benzeneacetonitrile	117		7.282					ND	
68 o,o',o"-Triethylphosphorothioat	198		7.293					ND	
67 Tetraethyl lead	237		7.302					ND	
69 Bis(2-chloroethoxy)methane	93	7.327	7.328	-0.001	97	398552	8.00	8.53	
70 Benzoic acid	105	7.361	7.364	-0.003	85	419651	64.0	14.9	M
282 2,4-Dichlorotoluene	125	7.355	7.382	-0.027	1	165		NC	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
71 alpha,alpha-Dimethyl phenethylam	158		7.423					ND	
72 2,4-Dichlorophenol	162	7.457	7.455	0.002	89	409017	8.00	8.61	
73 1,2,4-Trichlorobenzene	180	7.525	7.523	0.002	93	443118	8.00	8.24	
75 Alpha-Terpineol	59		7.574					ND	
74 Naphthalene	128	7.599	7.600	-0.001	97	1254597	8.00	7.85	
76 4-Chloroaniline	127	7.627	7.626	0.001	97	490120	8.00	8.57	
77 2,6-Dichlorophenol	162	7.642	7.640	0.002	95	414158	8.00	8.63	
78 Hexachloropropene	213		7.670					ND	
79 Hexachlorobutadiene	225	7.690	7.691	-0.001	91	284244	8.00	7.65	
286 4-Chlorophenol	128	7.690	7.691	-0.001	53	549		NC	
80 Benzeneacetic acid (TIC)	91		7.827					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.874					ND	
82 N-Nitrosodi-n-butylamine	84		7.883					ND	
83 p-Phenylene diamine	108		7.917					ND	
84 Caprolactam	113	7.920	7.926	-0.006	89	83788	16.0	5.97	
85 4-Chloro-3-methylphenol	107	8.025	8.026	-0.001	92	358123	8.00	8.82	
86 Safrole, Total	162		8.079					ND	
87 2-Methylnaphthalene	142	8.178	8.179	-0.001	92	883160	8.00	7.82	
88 Phthalic anhydride	104		8.213					ND	
89 1-Methylnaphthalene	142	8.266	8.264	0.002	92	854338	8.00	8.28	
281 2,4,5-Trichlorotoluene	159	8.303	8.296	0.007	0	39		NC	
90 Hexachlorocyclopentadiene	237	8.308	8.309	-0.001	91	185160	8.00	4.24	
198 NVF-400	82	8.308	8.310	-0.003	0	1675		0.0105	
258 CU-600	58	8.283	8.316	-0.033	0	69		0.000432	
91 1,2,4,5-Tetrachlorobenzene	216	8.323	8.321	0.002	94	495691	8.00	7.63	
275 Isosafrole Peak 1	162		8.325					ND	U
284 2,3-Dichlorobenzamine	161	8.411	8.412	-0.001	49	3719		NC	
93 2,4,6-Trichlorophenol	196	8.411	8.412	-0.001	88	343831	8.00	8.50	
94 2,4,5-Trichlorophenol	196	8.453	8.451	0.002	93	357117	8.00	8.83	
95 Isosafrole	162		8.516					ND	
277 Isosafrole Peak 2	162		8.516					ND	
96 1,1'-Biphenyl	154	8.561	8.559	0.002	95	1138289	8.00	8.00	
97 2-Chloronaphthalene	162	8.595	8.596	-0.001	94	918022	8.00	8.54	
99 1-Chloronaphthalene	162		8.618					ND	U
100 2-Nitroaniline	65	8.669	8.667	0.002	92	187599	8.00	8.00	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
103 Dicyclohexylamine	138		8.732					ND	
102 1,4-Naphthoquinone	158		8.734					ND	
104 1,4-Dinitrobenzene	168		8.765					ND	
105 Dimethyl phthalate	163	8.791	8.786	0.005	99	1099922	8.00	9.22	
106 1,3-Dinitrobenzene	168	8.836	8.832	0.004	96	181739	8.00	9.62	
107 2,6-Dinitrotoluene	165	8.853	8.851	0.002	89	266260	8.00	9.28	
108 Acenaphthylene	152	8.953	8.951	0.002	97	1395422	8.00	7.93	
109 3-Nitroaniline	138	9.012	9.007	0.005	91	229019	8.00	7.81	
111 2,4-Dinitrophenol	184	9.097	9.093	0.004	64	243012	16.0	14.5	
110 Acenaphthene	153	9.097	9.095	0.002	91	967251	8.00	8.26	
112 4-Nitrophenol	109	9.146	9.141	0.005	82	168345	16.0	11.4	
114 2,4-Dinitrotoluene	165	9.199	9.198	0.001	93	348504	8.00	8.92	
113 Pentachlorobenzene	250		9.208					ND	
115 Dibenzofuran	168	9.239	9.237	0.002	96	1373204	8.00	8.51	
116 1-Naphthylamine	143		9.302					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.302					ND	
118 2,3,4,6-Tetrachlorophenol	232	9.338	9.337	0.001	68	273620	8.00	7.94	
121 Hexadecane	57	9.364	9.362	0.002	97	194061	8.00	4.16	
119 2-Naphthylamine	143		9.364					ND	
120 Diethyl phthalate	149	9.375	9.371	0.004	99	1090051	8.00	9.02	
122 Thionazin	97		9.443					ND	
123 4-Chlorophenyl phenyl ether	204	9.500	9.498	0.002	85	588583	8.00	8.81	
125 N-Nitro-o-toluidine	152		9.520					ND	U
128 Tributyl phosphate	99		9.521					ND	
126 4-Nitroaniline	138	9.531	9.527	0.004	80	254984	8.00	8.33	
124 Fluorene	166	9.531	9.530	0.001	92	1107166	8.00	8.77	
127 4,6-Dinitro-2-methylphenol	198	9.554	9.549	0.005	96	367411	16.0	16.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169	9.600	9.598	0.002	62	804713	8.00	8.98	
129 Diphenylamine	169	9.600	9.598	0.002	91	804713	6.84	7.68	
131 1,2-Diphenylhydrazine	77	9.639	9.637	0.002	41	722479	8.00	7.99	
132 Azobenzene	77	9.639	9.637	0.002	96	722479	8.00	7.99	
134 Sulfotepp	322		9.687					ND	
135 1,3,5-Trinitrobenzene	213		9.801					ND	U
278 Diallate Peak 1	86		9.824					ND	
136 Diallate	86		9.824					ND	
138 Phenacetin	108		9.832					ND	
137 Phorate	75		9.832					ND	
280 Diallate Peak 2	86		9.903					ND	
139 4-Bromophenyl phenyl ether	248	9.917	9.915	0.002	57	423209	8.00	9.34	
141 Dimethoate	87		9.985					ND	U
142 Simazine	201		9.992					ND	U
140 Hexachlorobenzene	284	10.005	10.003	0.002	94	513522	8.00	9.08	
143 Atrazine	200	10.022	10.018	0.004	93	690125	16.0	18.3	
148 n-Octadecane	57	10.133	10.131	0.002	96	230610	8.00	4.85	
144 4-Aminobiphenyl	169		10.139					ND	
147 Pronamide	173		10.156					ND	U
145 Pentachlorophenol	266	10.164	10.162	0.002	95	269181	16.0	10.3	
146 Pentachloronitrobenzene	237		10.170					ND	
149 Disulfoton	88		10.269					ND	U
150 Dinoseb	211		10.281					ND	
151 Phenanthrene	178	10.352	10.350	0.002	95	1610701	8.00	8.67	
152 Anthracene	178	10.394	10.392	0.002	95	1590479	8.00	8.65	
153 Carbazole	167	10.516	10.511	0.005	96	1426185	8.00	9.05	
154 Alachlor	160		10.591					ND	U
155 Methyl parathion	109		10.598					ND	
157 Di-n-butyl phthalate	149	10.737	10.736	0.001	99	1746019	8.00	8.67	
288 2-Methylantracene	192	10.842	10.882	-0.043	27	1376		NC	
158 Ethyl Parathion	97		10.913					ND	
159 4-Nitroquinoline-1-oxide	190		10.990					ND	
161 Methapyrilene	58		11.013					ND	
160 Anthraquinone	180		11.019					ND	
162 Isodrin	193		11.245					ND	U
164 Fluoranthene	202	11.390	11.388	0.002	96	1786808	8.00	8.66	
165 1-Hydroxyanthraquinone	224		11.414					ND	
166 Benzidine	184	11.472	11.473	-0.001	98	950495	16.0	9.09	
167 Pyrene	202	11.620	11.618	0.002	97	1774974	8.00	8.30	
276 Aramite Peak 1	185		11.640					ND	U
168 Aramite, Total	185		11.716					ND	
279 Aramite Peak 2	185		11.716					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	U
170 p-Dimethylamino azobenzene	120		11.855					ND	
171 Chlorobenzilate	251		11.884					ND	
169 1,4-Dihydroxyanthraquinone	240		11.888					ND	
172 Famphur	218		12.157					ND	
175 9-Octadecenamide	59		12.188					ND	
174 Butyl benzyl phthalate	149	12.204	12.203	0.001	93	727748	8.00	8.15	
173 3,3'-Dimethylbenzidine	212		12.230					ND	U
176 Kepone	272		12.356					ND	
177 2-Acetylaminofluorene	181		12.553					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.905	12.903	0.002	92	743084	8.00	5.84	
178 4,4'-Methylene bis(2-chloroani	231		12.922					ND	
179 3,3'-Dichlorobenzidine	252	12.942	12.940	0.002	71	1391201	16.0	15.9	
180 Benzo[a]anthracene	228	13.022	13.020	0.002	97	1468531	8.00	6.86	
182 Chrysene	228	13.073	13.071	0.002	95	1376238	8.00	6.76	
183 6-Methylchrysene	242		13.714					ND	U
184 Di-n-octyl phthalate	149	13.850	13.851	-0.001	97	1275733	8.00	5.82	
185 7,12-Dimethylbenz(a)anthracene	256		14.602					ND	
186 Benzo[b]fluoranthene	252	14.639	14.637	0.002	95	1511577	8.00	6.12	
187 Benzo[k]fluoranthene	252	14.679	14.680	-0.001	97	1477775	8.00	5.90	
192 Hexachlorophene	196		14.981					ND	
189 Benzo[a]pyrene	252	15.173	15.171	0.002	75	1241793	8.00	5.27	
283 Benzo[e]pyrene	252	15.306	15.339	-0.029	79	8294		NC	
190 3-Methylcholanthrene	268		15.712					ND	
191 Dibenz[a,h]acridine	279		16.631					ND	
193 Indeno[1,2,3-cd]pyrene	276	17.102	17.092	0.010	93	1677271	8.00	5.84	
194 Dibenz(a,h)anthracene	278	17.099	17.097	0.002	85	1493189	8.00	6.04	
195 Benzo[g,h,i]perylene	276	17.636	17.631	0.005	96	1473347	8.00	5.96	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		22.440					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
205 Phenylmercaptan	110		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
250 Pentachlorophenol_T	266	10.164	10.164	0.000	95	256673		NR	
252 Benzidine_T	184	11.472	11.475	-0.003	98	957569		NR	
253 4,4'-DDE	246	11.600	11.648	-0.048	51	63		NR	
254 4,4'-DDD	235		12.006					ND	
255 4,4'-DDT	235		12.363					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			14.3	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		8.00	7.03	
S 262 3 & 4 Methylphenol	108				0			7.03	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD Lab Sample ID: 480-192275-4 MSD
 Matrix: Water Lab File ID: W10018175.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 08:44
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	35.7		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	32.8		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	39.0		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	37.5		5.0	0.61
120-83-2	2,4-Dichlorophenol	38.2		5.0	0.51
105-67-9	2,4-Dimethylphenol	37.2		5.0	0.50
51-28-5	2,4-Dinitrophenol	73.3		10	2.2
121-14-2	2,4-Dinitrotoluene	40.1		5.0	0.45
606-20-2	2,6-Dinitrotoluene	40.1		5.0	0.40
91-58-7	2-Chloronaphthalene	35.1		5.0	0.46
95-57-8	2-Chlorophenol	34.8		5.0	0.53
95-48-7	2-Methylphenol	34.4		5.0	0.40
91-57-6	2-Methylnaphthalene	34.2		5.0	0.60
88-74-4	2-Nitroaniline	38.2		10	0.42
88-75-5	2-Nitrophenol	39.1		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	75.0		5.0	0.40
99-09-2	3-Nitroaniline	31.8		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	78.2		10	2.2
101-55-3	4-Bromophenyl phenyl ether	36.1		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	39.0		5.0	0.45
106-47-8	4-Chloroaniline	28.4		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	36.2		5.0	0.35
106-44-5	4-Methylphenol	33.1		10	0.36
100-01-6	4-Nitroaniline	40.8		10	0.25
100-02-7	4-Nitrophenol	53.4		10	1.5
83-32-9	Acenaphthene	37.0		5.0	0.41
208-96-8	Acenaphthylene	36.2		5.0	0.38
98-86-2	Acetophenone	36.5		5.0	0.54
120-12-7	Anthracene	36.2		5.0	0.28
1912-24-9	Atrazine	79.0		5.0	0.46
100-52-7	Benzaldehyde	68.7		5.0	0.27
56-55-3	Benzo[a]anthracene	27.3		5.0	0.36
50-32-8	Benzo[a]pyrene	20.9		5.0	0.47
205-99-2	Benzo[b]fluoranthene	24.0		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
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 Matrix: Water Lab File ID: W10018175.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
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 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	23.3		5.0	0.35
207-08-9	Benzo[k]fluoranthene	23.5		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	37.1		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	34.8		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	23.1		5.0	2.2
85-68-7	Butyl benzyl phthalate	33.2		5.0	1.0
105-60-2	Caprolactam	30.0		5.0	2.2
86-74-8	Carbazole	44.4		5.0	0.30
218-01-9	Chrysene	25.6		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	22.7		5.0	0.42
84-74-2	Di-n-butyl phthalate	35.2		5.0	0.31
117-84-0	Di-n-octyl phthalate	24.5		5.0	0.47
132-64-9	Dibenzofuran	37.0		10	0.51
84-66-2	Diethyl phthalate	39.1		5.0	0.22
131-11-3	Dimethyl phthalate	40.2		5.0	0.36
206-44-0	Fluoranthene	37.2		5.0	0.40
86-73-7	Fluorene	38.2		5.0	0.36
118-74-1	Hexachlorobenzene	32.8		5.0	0.51
87-68-3	Hexachlorobutadiene	30.2		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	24.8		5.0	0.59
67-72-1	Hexachloroethane	30.5		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	22.5		5.0	0.47
78-59-1	Isophorone	38.4		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	38.4		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	37.9		5.0	0.51
91-20-3	Naphthalene	34.7		5.0	0.76
98-95-3	Nitrobenzene	37.5		5.0	0.29
87-86-5	Pentachlorophenol	71.1		10	2.2
85-01-8	Phenanthrene	38.3		5.0	0.44
108-95-2	Phenol	21.1		5.0	0.39
129-00-0	Pyrene	36.3		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD Lab Sample ID: 480-192275-4 MSD
 Matrix: Water Lab File ID: W10018175.d
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/16/2021 06:44
 Sample wt/vol: 250 (mL) Date Analyzed: 11/23/2021 08:44
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 606080 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	119		46-120
4165-62-2	Phenol-d5 (Surr)	66		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	82		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	121	S1+	41-120
321-60-8	2-Fluorobiphenyl (Surr)	116		48-120
367-12-4	2-Fluorophenol (Surr)	86		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018175.d
 Lims ID: 480-192275-A-4-B MSD
 Client ID: 828021-GW-04
 Sample Type: MSD
 Inject. Date: 23-Nov-2021 08:44:30 ALS Bottle#: 42 Worklist Smp#: 14
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102625-014
 Operator ID: PJQ Instrument ID: HP5973W
 Method: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 24-Nov-2021 16:20:27 Calib Date: 22-Nov-2021 18:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102624.b\W10018143.d
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1614

First Level Reviewer: schickr

Date: 24-Nov-2021 16:10:37

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	6.579	6.574	0.005	96	228951	4.00	4.00	
* 2 Naphthalene-d8	136	7.669	7.664	0.005	100	905661	4.00	4.00	
* 3 Acenaphthene-d10	164	9.154	9.149	0.005	92	525958	4.00	4.00	
* 4 Phenanthrene-d10	188	10.409	10.410	-0.001	97	925883	4.00	4.00	
* 5 Chrysene-d12	240	13.145	13.139	0.006	99	842964	4.00	4.00	
* 6 Perylene-d12	264	15.367	15.362	0.005	98	869341	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.441	5.420	0.021	93	515400	8.00	6.91	
\$ 8 Phenol-d5	99	6.232	6.221	0.011	98	490945	8.00	5.24	
\$ 9 Nitrobenzene-d5	82	7.044	7.044	0.000	89	833427	8.00	9.51	
\$ 10 2-Fluorobiphenyl	172	8.556	8.556	0.000	100	1544856	8.00	9.28	
\$ 11 2,4,6-Tribromophenol	330	9.816	9.795	0.005	93	284178	8.00	9.65	
\$ 12 p-Terphenyl-d14	244	11.804	11.804	0.000	98	1348387	8.00	6.55	
36 Benzaldehyde	77	6.200	6.194	0.006	96	1088143	16.0	17.2	E
37 Phenol	94	6.242	6.232	0.010	99	522181	8.00	5.28	
40 Bis(2-chloroethyl)ether	93	6.323	6.323	-0.001	95	730515	8.00	8.70	
41 2-Chlorophenol	128	6.403	6.397	0.005	97	682361	8.00	8.70	
49 2-Methylphenol	108	6.761	6.755	0.006	94	614724	8.00	8.59	
50 2,2'-oxybis[1-chloropropane]	45	6.782	6.782	0.000	95	951490	8.00	8.19	
56 4-Methylphenol	108	6.883	6.878	0.005	93	614724	8.00	8.26	
55 N-Nitrosodi-n-propylamine	70	6.894	6.894	0.000	90	507349	8.00	9.61	
53 Acetophenone	105	6.905	6.905	0.000	97	982638	8.00	9.13	
59 Hexachloroethane	117	7.022	7.022	-0.001	94	267256	8.00	7.63	
61 Nitrobenzene	77	7.060	7.060	0.000	87	751204	8.00	9.38	
63 Isophorone	82	7.252	7.252	0.000	99	1412571	8.00	9.60	
68 2,4-Dimethylphenol	107	7.338	7.332	0.006	95	731872	8.00	9.29	
67 2-Nitrophenol	139	7.332	7.332	0.000	97	391070	8.00	9.78	
71 Bis(2-chloroethoxy)methane	93	7.407	7.407	0.000	100	877095	8.00	9.28	
74 2,4-Dichlorophenol	162	7.530	7.530	0.000	95	620537	8.00	9.54	
76 Naphthalene	128	7.685	7.685	0.000	99	2012546	8.00	8.68	
78 4-Chloroaniline	127	7.706	7.706	0.000	96	624218	8.00	7.10	
81 Hexachlorobutadiene	225	7.776	7.776	0.000	96	354083	8.00	7.55	
84 Caprolactam	113	8.005	8.000	0.005	79	173755	16.0	7.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Diff RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
87 4-Chloro-3-methylphenol	107	8.091	8.091	0.000	96	619984	8.00	9.74	
89 2-Methylnaphthalene	142	8.262	8.262	0.000	92	1311293	8.00	8.55	
93 Hexachlorocyclopentadiene	237	8.395	8.395	-0.001	97	323209	8.00	6.21	
94 2,4,6-Trichlorophenol	196	8.491	8.486	0.005	92	482507	8.00	9.38	
95 2,4,5-Trichlorophenol	196	8.524	8.524	0.000	93	487524	8.00	9.76	
97 1,1'-Biphenyl	154	8.646	8.646	-0.001	96	1666529	8.00	8.93	
98 2-Chloronaphthalene	162	8.678	8.679	-0.001	97	1280812	8.00	8.77	
100 2-Nitroaniline	65	8.743	8.743	0.000	84	406443	8.00	9.56	
104 Dimethyl phthalate	163	8.871	8.865	0.005	99	1574949	8.00	10.1	
106 2,6-Dinitrotoluene	165	8.930	8.930	0.000	95	370566	8.00	10.0	
107 Acenaphthylene	152	9.036	9.036	-0.001	98	1944990	8.00	9.04	
108 3-Nitroaniline	138	9.084	9.079	0.005	96	306842	8.00	7.96	
110 2,4-Dinitrophenol	184	9.170	9.165	0.005	85	369023	16.0	18.3	
109 Acenaphthene	153	9.181	9.181	0.000	94	1369682	8.00	9.26	
111 4-Nitrophenol	109	9.197	9.191	0.006	92	301620	16.0	13.4	
113 2,4-Dinitrotoluene	165	9.277	9.271	0.005	95	483142	8.00	10.0	
114 Dibenzofuran	168	9.320	9.320	0.000	96	1830902	8.00	9.26	
119 Diethyl phthalate	149	9.453	9.448	0.005	98	1551344	8.00	9.76	
122 4-Chlorophenyl phenyl ether	204	9.581	9.581	0.000	93	761784	8.00	9.05	
125 4-Nitroaniline	138	9.603	9.597	0.005	86	388852	8.00	10.2	
123 Fluorene	166	9.613	9.608	0.005	95	1553581	8.00	9.55	
126 4,6-Dinitro-2-methylphenol	198	9.624	9.614	0.005	89	528039	16.0	19.6	
129 N-Nitrosodiphenylamine	169	9.677	9.673	-0.001	99	1130847	8.00	9.47	
137 4-Bromophenyl phenyl ether	248	9.998	9.993	0.000	65	454082	8.00	9.03	
138 Hexachlorobenzene	284	10.089	10.078	0.005	94	490203	8.00	8.21	
141 Atrazine	200	10.099	10.094	0.005	95	939964	16.0	19.7	E
143 Pentachlorophenol	266	10.238	10.233	-0.001	92	601920	16.0	17.8	
149 Phenanthrene	178	10.431	10.425	0.005	98	2357151	8.00	9.57	
150 Anthracene	178	10.473	10.463	0.005	98	2146879	8.00	9.04	
151 Carbazole	167	10.586	10.580	0.000	96	1905553	8.00	11.1	
154 Di-n-butyl phthalate	149	10.810	10.805	0.000	100	2248049	8.00	8.81	
161 Fluoranthene	202	11.472	11.467	-0.001	98	2355395	8.00	9.31	
165 Pyrene	202	11.707	11.708	-0.001	96	2411054	8.00	9.07	
172 Butyl benzyl phthalate	149	12.306	12.301	0.005	98	1009783	8.00	8.29	
180 Bis(2-ethylhexyl) phthalate	149	13.016	13.011	0.005	96	997628	8.00	5.77	
177 3,3'-Dichlorobenzidine	252	13.048	13.038	0.005	73	1619479	16.0	18.8	
179 Benzo[a]anthracene	228	13.123	13.123	0.000	99	1795832	8.00	6.83	
181 Chrysene	228	13.182	13.177	0.005	96	1598836	8.00	6.39	
184 Di-n-octyl phthalate	149	13.973	13.967	0.006	99	1699393	8.00	6.13	
186 Benzo[b]fluoranthene	252	14.742	14.747	0.000	96	1535965	8.00	6.01	
187 Benzo[k]fluoranthene	252	14.785	14.790	0.000	99	1499451	8.00	5.87	
189 Benzo[a]pyrene	252	15.276	15.282	0.000	77	1289424	8.00	5.23	
193 Indeno[1,2,3-cd]pyrene	276	17.210	17.216	0.000	98	1640715	8.00	5.61	
194 Dibenz(a,h)anthracene	278	17.226	17.227	0.005	91	1434699	8.00	5.68	
195 Benzo[g,h,i]perylene	276	17.755	17.761	0.000	98	1470677	8.00	5.83	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973W\20211122-102625.b\W10018175.d

Injection Date: 23-Nov-2021 08:44:30

Instrument ID: HP5973W

Operator ID: PJQ

Lims ID: 480-192275-A-4-B MSD

Worklist Smp#: 14

Client ID: 828021-GW-04

Injection Vol: 2.0 ul

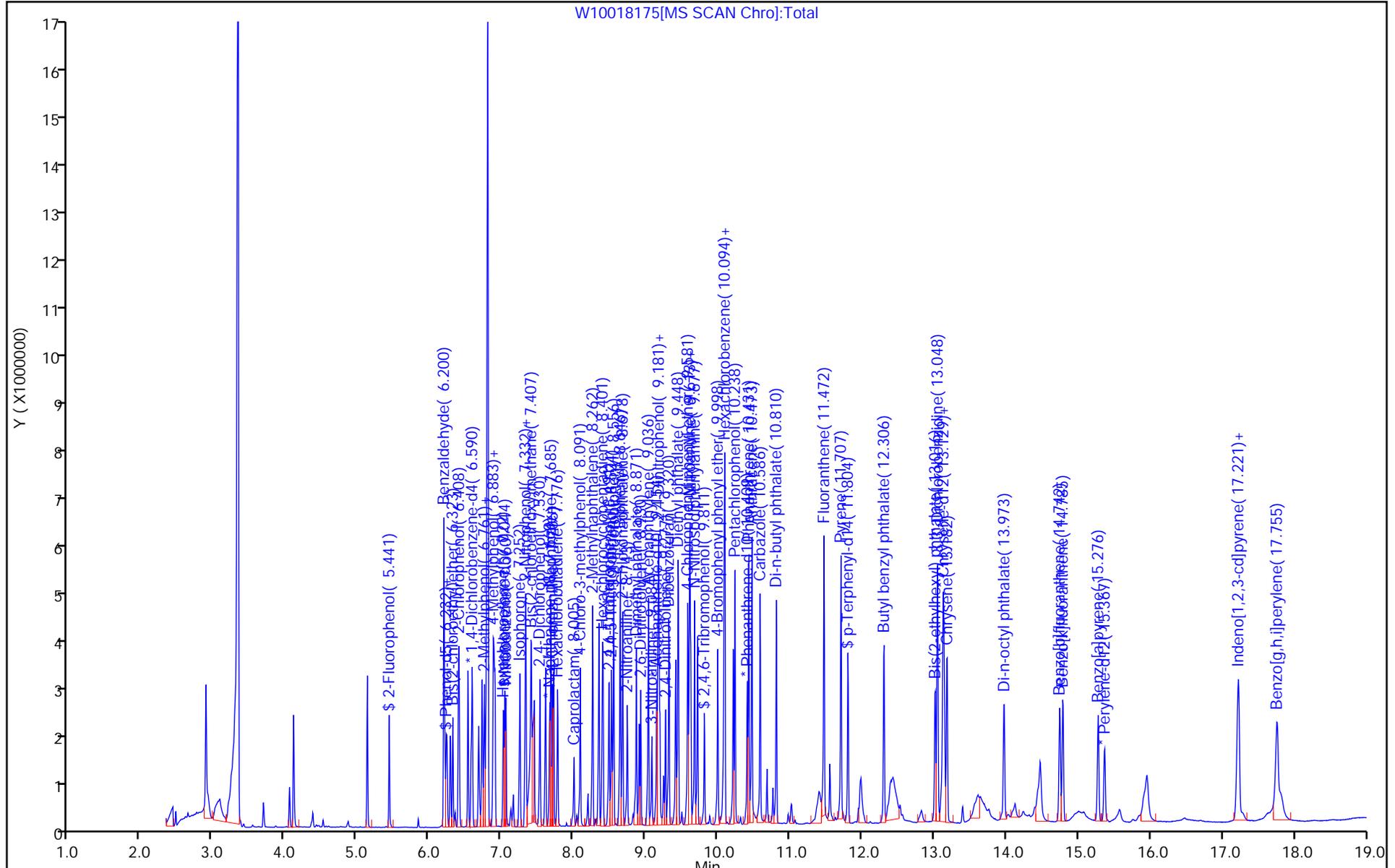
Dil. Factor: 1.0000

ALS Bottle#: 42

Method: W-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD RE Lab Sample ID: 480-192275-4 MSD RE
 Matrix: Water Lab File ID: Y02827259.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:01
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	30.9		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	23.9		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	32.6		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	31.1		5.0	0.61
120-83-2	2,4-Dichlorophenol	32.1		5.0	0.51
105-67-9	2,4-Dimethylphenol	33.1		5.0	0.50
51-28-5	2,4-Dinitrophenol	50.5		10	2.2
121-14-2	2,4-Dinitrotoluene	33.4		5.0	0.45
606-20-2	2,6-Dinitrotoluene	36.0		5.0	0.40
91-58-7	2-Chloronaphthalene	31.6		5.0	0.46
95-57-8	2-Chlorophenol	28.2		5.0	0.53
95-48-7	2-Methylphenol	26.8		5.0	0.40
91-57-6	2-Methylnaphthalene	28.1		5.0	0.60
88-74-4	2-Nitroaniline	30.6		10	0.42
88-75-5	2-Nitrophenol	31.0		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	55.5		5.0	0.40
99-09-2	3-Nitroaniline	30.2		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	62.3		10	2.2
101-55-3	4-Bromophenyl phenyl ether	34.3		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	32.6		5.0	0.45
106-47-8	4-Chloroaniline	29.8		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	33.3		5.0	0.35
106-44-5	4-Methylphenol	26.2		10	0.36
100-01-6	4-Nitroaniline	32.8		10	0.25
100-02-7	4-Nitrophenol	44.5		10	1.5
83-32-9	Acenaphthene	32.0		5.0	0.41
208-96-8	Acenaphthylene	30.2		5.0	0.38
98-86-2	Acetophenone	31.4		5.0	0.54
120-12-7	Anthracene	32.2		5.0	0.28
1912-24-9	Atrazine	70.9		5.0	0.46
100-52-7	Benzaldehyde	62.0		5.0	0.27
56-55-3	Benzo[a]anthracene	25.0		5.0	0.36
50-32-8	Benzo[a]pyrene	19.5		5.0	0.47
205-99-2	Benzo[b]fluoranthene	22.3		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD RE Lab Sample ID: 480-192275-4 MSD RE
 Matrix: Water Lab File ID: Y02827259.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:01
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	22.1		5.0	0.35
207-08-9	Benzo[k]fluoranthene	21.3		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	31.3		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	29.9		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	21.3		5.0	2.2
85-68-7	Butyl benzyl phthalate	29.9		5.0	1.0
105-60-2	Caprolactam	22.8		5.0	2.2
86-74-8	Carbazole	33.7		5.0	0.30
218-01-9	Chrysene	24.2		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	22.2		5.0	0.42
84-74-2	Di-n-butyl phthalate	32.6		5.0	0.31
117-84-0	Di-n-octyl phthalate	21.2		5.0	0.47
132-64-9	Dibenzofuran	31.6		10	0.51
84-66-2	Diethyl phthalate	35.3		5.0	0.22
131-11-3	Dimethyl phthalate	36.2		5.0	0.36
206-44-0	Fluoranthene	32.9		5.0	0.40
86-73-7	Fluorene	33.3		5.0	0.36
118-74-1	Hexachlorobenzene	33.2		5.0	0.51
87-68-3	Hexachlorobutadiene	27.2		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	15.8		5.0	0.59
67-72-1	Hexachloroethane	24.4		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	21.1		5.0	0.47
78-59-1	Isophorone	30.4		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	31.7		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	33.3		5.0	0.51
91-20-3	Naphthalene	29.0		5.0	0.76
98-95-3	Nitrobenzene	28.4		5.0	0.29
87-86-5	Pentachlorophenol	37.8		10	2.2
85-01-8	Phenanthrene	32.0		5.0	0.44
108-95-2	Phenol	15.5		5.0	0.39
129-00-0	Pyrene	30.8		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____
 Client Sample ID: 828021-GW-04 MSD RE Lab Sample ID: 480-192275-4 MSD RE
 Matrix: Water Lab File ID: Y02827259.D
 Analysis Method: 8270D Date Collected: 11/10/2021 11:44
 Extract. Method: 3510C Date Extracted: 11/24/2021 09:06
 Sample wt/vol: 250 (mL) Date Analyzed: 11/30/2021 20:01
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 2 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 607022 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5 (Surr)	83		46-120
4165-62-2	Phenol-d5 (Surr)	51		22-120
1718-51-0	p-Terphenyl-d14 (Surr)	77		60-148
118-79-6	2,4,6-Tribromophenol (Surr)	116		41-120
321-60-8	2-Fluorobiphenyl (Surr)	101		48-120
367-12-4	2-Fluorophenol (Surr)	67		35-120

Eurofins TestAmerica, Buffalo
Target Compound Quantitation Report

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827259.D
 Lims ID: 480-192275-B-4-B MSD
 Client ID: 828021-GW-04
 Sample Type: MSD
 Inject. Date: 30-Nov-2021 20:01:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 2.0 ul Dil. Factor: 1.0000
 Sample Info: 480-0102788-017
 Operator ID: JM Instrument ID: HP5973Y
 Method: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y-LVI-8270.m
 Limit Group: MB - 8270D ICAL
 Last Update: 01-Dec-2021 12:27:00 Calib Date: 12-Nov-2021 18:10:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Buffalo\ChromData\HP5973Y\20211112-102375.b\Y02826651.D
 Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: marshallj

Date: 01-Dec-2021 08:59:57

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	6.493	6.490	0.003	92	191804	4.00	4.00	
* 2 Naphthalene-d8	136	7.580	7.579	0.001	98	684503	4.00	4.00	
* 3 Acenaphthene-d10	164	9.069	9.066	0.003	92	419203	4.00	4.00	
* 4 Phenanthrene-d10	188	10.329	10.329	0.000	94	771884	4.00	4.00	
* 5 Chrysene-d12	240	13.036	13.033	0.003	96	778314	4.00	4.00	
* 6 Perylene-d12	264	15.261	15.258	0.003	99	921014	4.00	4.00	
\$ 7 2-Fluorophenol	112	5.378	5.361	0.017	88	275472	8.00	5.36	
\$ 8 Phenol-d5	99	6.178	6.170	0.008	0	241941	8.00	4.09	
\$ 9 Nitrobenzene-d5	82	6.961	6.959	0.002	85	372434	8.00	6.61	
\$ 10 2-Fluorobiphenyl	172	8.471	8.468	0.003	98	1153184	8.00	8.12	
\$ 11 2,4,6-Tribromophenol	330	9.733	9.734	-0.001	88	289206	8.00	9.29	
\$ 12 p-Terphenyl-d14	244	11.714	11.715	-0.001	96	1251153	8.00	6.16	
237 Lidocaine	1		0.195					ND	
13 1,4-Dioxane	88	3.573	3.497	0.076	87	81649	8.00	4.63	a
14 N-Nitrosodimethylamine	42	3.959	3.914	0.045	96	112841	8.00	5.36	
15 Pyridine	52	4.010	3.959	0.051	96	217218	16.0	9.59	
18 1-Methylcyclopentanol	71		4.617					ND	
19 2-Picoline	93		4.784					ND	
20 N-Nitrosomethylethylamine	88		4.892					ND	
21 2-Chlorobenzotrifluoride	180		5.167					ND	
24 Acrylamide	71		5.173					ND	
22 Methyl methanesulfonate	80		5.179					ND	
23 4-Chlorobenzotrifluoride	180		5.237					ND	
25 n,n'-Dimethylacetamide	87		5.306					ND	
26 4-Chloropyridine	78		5.475					ND	
196 CBF-400	214		5.530					ND	
28 N-Nitrosodiethylamine	102		5.547					ND	
27 3-Chloropyridine	78		5.564					ND	
29 3-Chlorobenzotrifluoride	180		5.637					ND	
30 Ethyl methanesulfonate	79		5.803					ND	
31 2-Chloropyridine	78		5.922					ND	
257 CBF-500	161		5.944					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
32 2-Chlorotoluene	91		6.081					ND	
33 3-Chlorotoluene	91		6.102					ND	
35 Benzaldehyde	77	6.118	6.116	0.002	94	515707	16.0	15.5	
34 4-Chlorotoluene	91		6.134					ND	
37 Phenol	94	6.189	6.181	0.008	98	235272	8.00	3.88	
36 Aniline	93	6.209	6.210	-0.001	97	436705	8.00	5.90	
39 Bis(2-chloroethyl)ether	93	6.240	6.241	-0.001	99	319922	8.00	7.46	
38 Pentachloroethane	167		6.251					ND	
40 2-Chlorophenol	128	6.325	6.320	0.005	93	416079	8.00	7.06	
41 n-Decane	57	6.323	6.320	0.002	78	148454	8.00	3.74	
42 p-Fluoroaniline	111		6.408					ND	
43 1,3-Dichlorobenzene	146	6.447	6.445	0.002	98	464457	8.00	6.54	
44 1,4-Dichlorobenzene	146	6.507	6.505	0.002	97	481876	8.00	6.71	
45 Benzyl alcohol	108	6.603	6.601	0.002	95	210488	8.00	6.32	
46 1,2-Dichlorobenzene	146	6.643	6.641	0.002	98	465508	8.00	6.80	
48 2-Methylphenol	108	6.694	6.692	0.002	94	326001	8.00	6.70	
49 2,2'-oxybis[1-chloropropane]	45	6.700	6.698	0.002	81	246829	8.00	5.99	
47 Indene	115	6.720	6.718	0.002	88	5696299	64.0	56.7	
50 N-Nitrosopyrrolidine	100		6.799					ND	
53 N-Nitrosodi-n-propylamine	70	6.811	6.811	0.000	88	225221	8.00	7.92	
57 4-Methylphenol	108	6.819	6.817	0.002	94	330650	8.00	6.54	
52 Acetophenone	105	6.825	6.825	0.000	96	543983	8.00	7.84	
54 N-Nitrosomorpholine	56		6.827					ND	
51 N-Methylaniline	106		6.855					ND	
56 2-Toluidine	106		6.856					ND	
55 4-Methylbenzenamine	106		6.859					ND	
58 Hexachloroethane	117	6.935	6.936	-0.001	88	158506	8.00	6.11	
59 Nitrobenzene	77	6.978	6.976	0.002	84	342978	8.00	7.11	
60 2,6-Dichloropyridine	112		7.071					ND	
61 N-Nitrosopiperidine	114		7.100					ND	
62 Isophorone	82	7.171	7.169	0.002	98	641439	8.00	7.59	
63 2-Chloroaniline	127		7.214					ND	
64 2-Nitrophenol	139	7.248	7.248	0.000	89	250224	8.00	7.75	
66 2,4-Dimethylphenol	107	7.262	7.262	0.000	95	428118	8.00	8.27	
65 Benzeneacetonitrile	117		7.282					ND	
68 o,o',o"-Triethylphosphorothioat	198		7.293					ND	
67 Tetraethyl lead	237		7.302					ND	
69 Bis(2-chloroethoxy)methane	93	7.327	7.328	-0.001	95	392119	8.00	7.83	
70 Benzoic acid	105	7.355	7.364	-0.009	83	363077	64.0	12.6	
282 2,4-Dichlorotoluene	125		7.383					ND	
287 1,3,5-Trichlorobenzene	180		7.416					ND	
71 alpha,alpha-Dimethyl phenethylam	58		7.423					ND	
72 2,4-Dichlorophenol	162	7.458	7.455	0.003	88	408780	8.00	8.03	
73 1,2,4-Trichlorobenzene	180	7.526	7.523	0.003	94	432388	8.00	7.50	
75 Alpha-Terpineol	59		7.574					ND	
74 Naphthalene	128	7.599	7.600	-0.001	97	1240132	8.00	7.24	
76 4-Chloroaniline	127	7.628	7.626	0.002	97	455911	8.00	7.44	
77 2,6-Dichlorophenol	162	7.642	7.640	0.002	96	405943	8.00	7.89	
78 Hexachloropropene	213		7.670					ND	
79 Hexachlorobutadiene	225	7.690	7.691	-0.001	92	270508	8.00	6.80	
286 4-Chlorophenol	128		7.691					ND	
80 Benzeneacetic acid (TIC)	91		7.827					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
81 Quinoline	129		7.874					ND	U
82 N-Nitrosodi-n-butylamine	84		7.883					ND	
83 p-Phenylene diamine	108		7.917					ND	
84 Caprolactam	113	7.920	7.926	-0.006	88	85736	16.0	5.71	
85 4-Chloro-3-methylphenol	107	8.025	8.026	-0.001	92	354699	8.00	8.15	
86 Safrole, Total	162		8.079					ND	
87 2-Methylnaphthalene	142	8.178	8.179	-0.001	90	849917	8.00	7.02	
88 Phthalic anhydride	104		8.213					ND	
89 1-Methylnaphthalene	142	8.266	8.264	0.002	92	838962	8.00	7.58	
281 2,4,5-Trichlorotoluene	159	8.297	8.296	0.001	0	61		NC	
90 Hexachlorocyclopentadiene	237	8.309	8.309	0.000	91	179663	8.00	3.94	
198 NVF-400	82	8.312	8.310	0.001	0	1537		0.008982	
258 CU-600	58		8.316					ND	
91 1,2,4,5-Tetrachlorobenzene	216	8.320	8.321	-0.001	95	492730	8.00	7.25	
275 Isosafrole Peak 1	162		8.325					ND	
284 2,3-Dichlorobenzeneamine	161	8.414	8.412	0.002	50	3592		NC	
93 2,4,6-Trichlorophenol	196	8.411	8.412	-0.001	88	329214	8.00	7.78	
94 2,4,5-Trichlorophenol	196	8.454	8.451	0.003	94	344977	8.00	8.15	
95 Isosafrole	162		8.516					ND	
277 Isosafrole Peak 2	162		8.516					ND	
96 1,1'-Biphenyl	154	8.561	8.559	0.002	94	1150993	8.00	7.73	
97 2-Chloronaphthalene	162	8.595	8.596	-0.001	94	888564	8.00	7.90	
99 1-Chloronaphthalene	162		8.618					ND	
100 2-Nitroaniline	65	8.666	8.667	-0.001	92	187519	8.00	7.64	
285 1,2,3,4 -Tetrachlorobenzene	216		8.730					ND	
103 Dicyclohexylamine	138		8.732					ND	
102 1,4-Naphthoquinone	158		8.734					ND	
104 1,4-Dinitrobenzene	168		8.765					ND	
105 Dimethyl phthalate	163	8.788	8.786	0.002	99	1129146	8.00	9.04	
106 1,3-Dinitrobenzene	168	8.837	8.832	0.005	96	178866	8.00	8.85	
107 2,6-Dinitrotoluene	165	8.854	8.851	0.003	93	270584	8.00	9.01	
108 Acenaphthylene	152	8.953	8.951	0.002	97	1388516	8.00	7.54	
109 3-Nitroaniline	138	9.010	9.007	0.003	89	231709	8.00	7.55	
111 2,4-Dinitrophenol	184	9.095	9.093	0.002	64	220016	16.0	12.6	
110 Acenaphthene	153	9.095	9.095	0.000	91	980188	8.00	7.99	
112 4-Nitrophenol	109	9.143	9.141	0.002	83	171121	16.0	11.1	
114 2,4-Dinitrotoluene	165	9.200	9.198	0.002	94	341805	8.00	8.36	
113 Pentachlorobenzene	250		9.208					ND	
115 Dibenzofuran	168	9.240	9.237	0.003	96	1334570	8.00	7.90	
116 1-Naphthylamine	143		9.302					ND	
117 2,3,5,6-Tetrachlorophenol	232		9.302					ND	
118 2,3,4,6-Tetrachlorophenol	232	9.339	9.337	0.002	68	284389	8.00	7.88	
121 Hexadecane	57	9.364	9.362	0.002	97	200884	8.00	4.12	
119 2-Naphthylamine	143		9.364					ND	
120 Diethyl phthalate	149	9.373	9.371	0.002	98	1116297	8.00	8.82	
122 Thionazin	97		9.443					ND	
123 4-Chlorophenyl phenyl ether	204	9.501	9.498	0.003	85	582832	8.00	8.33	
125 N-Nitro-o-toluidine	152		9.520					ND	U
128 Tributyl phosphate	99		9.521					ND	
126 4-Nitroaniline	138	9.532	9.527	0.005	89	262469	8.00	8.19	
124 Fluorene	166	9.529	9.530	-0.001	93	1098927	8.00	8.32	
127 4,6-Dinitro-2-methylphenol	198	9.552	9.549	0.003	95	373193	16.0	15.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
130 N-Nitrosodiphenylamine	169	9.600	9.598	0.002	75	805825	8.00	8.31	
129 Diphenylamine	169	9.600	9.598	0.002	92	805825	6.84	7.11	
131 1,2-Diphenylhydrazine	77	9.637	9.637	0.000	42	734482	8.00	7.51	
132 Azobenzene	77	9.637	9.637	0.000	96	734482	8.00	7.51	
134 Sulfotepp	322		9.687					ND	
135 1,3,5-Trinitrobenzene	213		9.801					ND	
278 Diallate Peak 1	86		9.824					ND	
136 Diallate	86		9.824					ND	
138 Phenacetin	108		9.832					ND	
137 Phorate	75		9.832					ND	
280 Diallate Peak 2	86		9.903					ND	
139 4-Bromophenyl phenyl ether	248	9.918	9.915	0.003	58	420201	8.00	8.58	
141 Dimethoate	87		9.985					ND	U
142 Simazine	201		9.992					ND	
140 Hexachlorobenzene	284	10.006	10.003	0.003	95	508061	8.00	8.31	
143 Atrazine	200	10.023	10.018	0.005	92	698090	16.0	17.7	
148 n-Octadecane	57	10.133	10.131	0.002	97	235402	8.00	4.58	
144 4-Aminobiphenyl	169		10.139					ND	
147 Pronamide	173		10.156					ND	U
145 Pentachlorophenol	266	10.165	10.162	0.003	96	265744	16.0	9.45	
146 Pentachloronitrobenzene	237		10.170					ND	
149 Disulfoton	88		10.269					ND	U
150 Dinoseb	211		10.281					ND	U
151 Phenanthrene	178	10.349	10.350	-0.001	95	1606084	8.00	8.00	
152 Anthracene	178	10.394	10.392	0.002	95	1600310	8.00	8.05	
153 Carbazole	167	10.516	10.511	0.005	96	1438180	8.00	8.44	
154 Alachlor	160		10.591					ND	U
155 Methyl parathion	109		10.598					ND	U
157 Di-n-butyl phthalate	149	10.738	10.736	0.002	99	1775624	8.00	8.15	
288 2-Methylantracene	192	10.840	10.882	-0.045	30	1329		NC	
158 Ethyl Parathion	97		10.913					ND	
159 4-Nitroquinoline-1-oxide	190		10.990					ND	
161 Methapyrilene	58		11.013					ND	
160 Anthraquinone	180		11.019					ND	U
162 Isodrin	193		11.245					ND	
164 Fluoranthene	202	11.388	11.388	0.000	97	1833387	8.00	8.21	
165 1-Hydroxyanthraquinone	224		11.414					ND	
166 Benzidine	184	11.473	11.473	0.000	98	962862	16.0	8.37	
167 Pyrene	202	11.620	11.618	0.002	97	1808191	8.00	7.69	
276 Aramite Peak 1	185		11.640					ND	U
168 Aramite, Total	185		11.716					ND	
279 Aramite Peak 2	185		11.716					ND	U
241 5-Methyl-o-Anisidine	122		11.753					ND	U
170 p-Dimethylamino azobenzene	120		11.855					ND	
171 Chlorobenzilate	251		11.884					ND	
169 1,4-Dihydroxyanthraquinone	240		11.888					ND	U
172 Famphur	218		12.157					ND	
175 9-Octadecenamide	59		12.188					ND	
174 Butyl benzyl phthalate	149	12.208	12.203	0.005	93	734222	8.00	7.48	
173 3,3'-Dimethylbenzidine	212		12.230					ND	U
176 Kepone	272		12.356					ND	
177 2-Acetylaminofluorene	181		12.553					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
181 Bis(2-ethylhexyl) phthalate	149	12.906	12.903	0.003	92	746466	8.00	5.33	
178 4,4'-Methylene bis(2-chloroani	231		12.922					ND	U
179 3,3'-Dichlorobenzidine	252	12.945	12.940	0.005	71	1332806	16.0	13.9	
180 Benzo[a]anthracene	228	13.022	13.020	0.002	97	1471920	8.00	6.25	
182 Chrysene	228	13.073	13.071	0.002	95	1358401	8.00	6.06	
183 6-Methylchrysene	242		13.714					ND	U
184 Di-n-octyl phthalate	149	13.853	13.851	0.002	97	1274380	8.00	5.29	
185 7,12-Dimethylbenz(a)anthracene	256		14.602					ND	
186 Benzo[b]fluoranthene	252	14.640	14.637	0.003	95	1480397	8.00	5.57	
187 Benzo[k]fluoranthene	252	14.682	14.680	0.002	97	1438186	8.00	5.33	
192 Hexachlorophene	196		14.981					ND	
189 Benzo[a]pyrene	252	15.173	15.171	0.002	76	1236013	8.00	4.86	
283 Benzo[e]pyrene	252	15.312	15.339	-0.023	53	11604		NC	
190 3-Methylcholanthrene	268		15.712					ND	
191 Dibenz[a,h]acridine	279		16.631					ND	U
193 Indeno[1,2,3-cd]pyrene	276	17.100	17.092	0.008	95	1631184	8.00	5.28	
194 Dibenz(a,h)anthracene	278	17.105	17.097	0.008	87	1476621	8.00	5.55	
195 Benzo[g,h,i]perylene	276	17.636	17.631	0.005	96	1472011	8.00	5.52	
199 CAG-800	149		19.675					ND	
256 CN-500	112		19.994					ND	
197 Dibenzo[a,e]pyrene	302		22.440					ND	
295 4-Bromofluorobenzene TIC	1		0.000					ND	
298 2-Bromopyridine TIC	1		0.000					ND	
293 3-Nitro-4-Chlorobenzotrifluoride	1		0.000					ND	
299 1-Bromo-3-fluorobenzene TIC	1		0.000					ND	
303 Carbofuran	1		0.000					ND	
296 1,2-dichloro-4-(trifluoromethyl)	1		0.000					ND	
294 3'-Bromoacetophenone TIC	1		0.000					ND	
302 1-Bromo-2-chloroethane TIC	1		0.000					ND	
301 3-Amino-4-Chlorobenzotrifluoride	1		0.000					ND	
290 1,3-Dibromobenzene TIC	1		0.000					ND	
297 Fluorobenzene TIC	1		0.000					ND	
300 1-Bromo-4-ethylbenzene TIC	1		0.000					ND	
291 1,4-Dibromobenzene TIC	1		0.000					ND	
292 Ethylene Dibromide TIC	1		0.000					ND	
205 Phenylmercaptan	110		0.195					ND	
230 2,3-Dichlorophenol	1		0.195					ND	
247 Benefin (TIC)	1		0.195					ND	
224 1-Bromopropane	1		0.195					ND	
238 Phenylacetic Acid	1		0.195					ND	
201 7H-Dibenzo[c,g]carbazole	1		0.195					ND	
215 trans Azobenzene (TIC)	1		0.195					ND	
222 2-Chlorobenzotrifluoride TIC	1		0.195					ND	
233 4-Chlorobenzotrifluoride TIC	1		0.195					ND	
225 Dibenz(a,i)pyrene	1		0.195					ND	
227 Dibenz[a,j]acridine	279		0.195					ND	
211 Pendimethalin (TIC)	1		0.195					ND	
219 Photomirex TIC	1		0.195					ND	
204 2,6-Dichlorotoluene TIC	1		0.195					ND	
240 Prometryn (TIC)	1		0.195					ND	
210 Dibenzo[a,h]pyrene	1		0.195					ND	
206 2,4-Toluene diamine	1		0.195					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/uL	OnCol Amt ng/uL	Flags
218 3-Chlorobenzotrifluoride TIC	1		0.195					ND	
212 Hexamethyldisiloxane TIC	1		0.195					ND	
244 Pendimethalin	1		0.195					ND	
220 Tetramethyl lead TIC	1		0.195					ND	
250 Pentachlorophenol_T	266	10.165	10.164	0.001	96	252104		NR	
252 Benzidine_T	184	11.473	11.475	-0.002	98	971836		NR	
253 4,4'-DDE	246		11.648					ND	
254 4,4'-DDD	235		12.006					ND	
255 4,4'-DDT	235		12.363					ND	
S 259 Chlorobenzotrifluoride N.O.S	1		0.195					ND	
S 261 Total Cresols	1				0			13.2	
S 260 Chlorotoluene N.O.S	1		0.195					ND	
S 263 3-Methylphenol	1				0		8.00	6.54	
S 262 3 & 4 Methylphenol	108				0			6.54	
S 264 EPH Adjustment 1	1		0.195					ND	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MB_LLIS_WRK_00226

Amount Added: 20.00

Units: uL

Run Reagent

Eurofins TestAmerica, Buffalo

Data File: \\chromfs\Buffalo\ChromData\HP5973Y\20211130-102788.b\Y02827259.D

Injection Date: 30-Nov-2021 20:01:30

Instrument ID: HP5973Y

Operator ID: JM

Lims ID: 480-192275-B-4-B MSD

Worklist Smp#: 17

Client ID: 828021-GW-04

Injection Vol: 2.0 ul

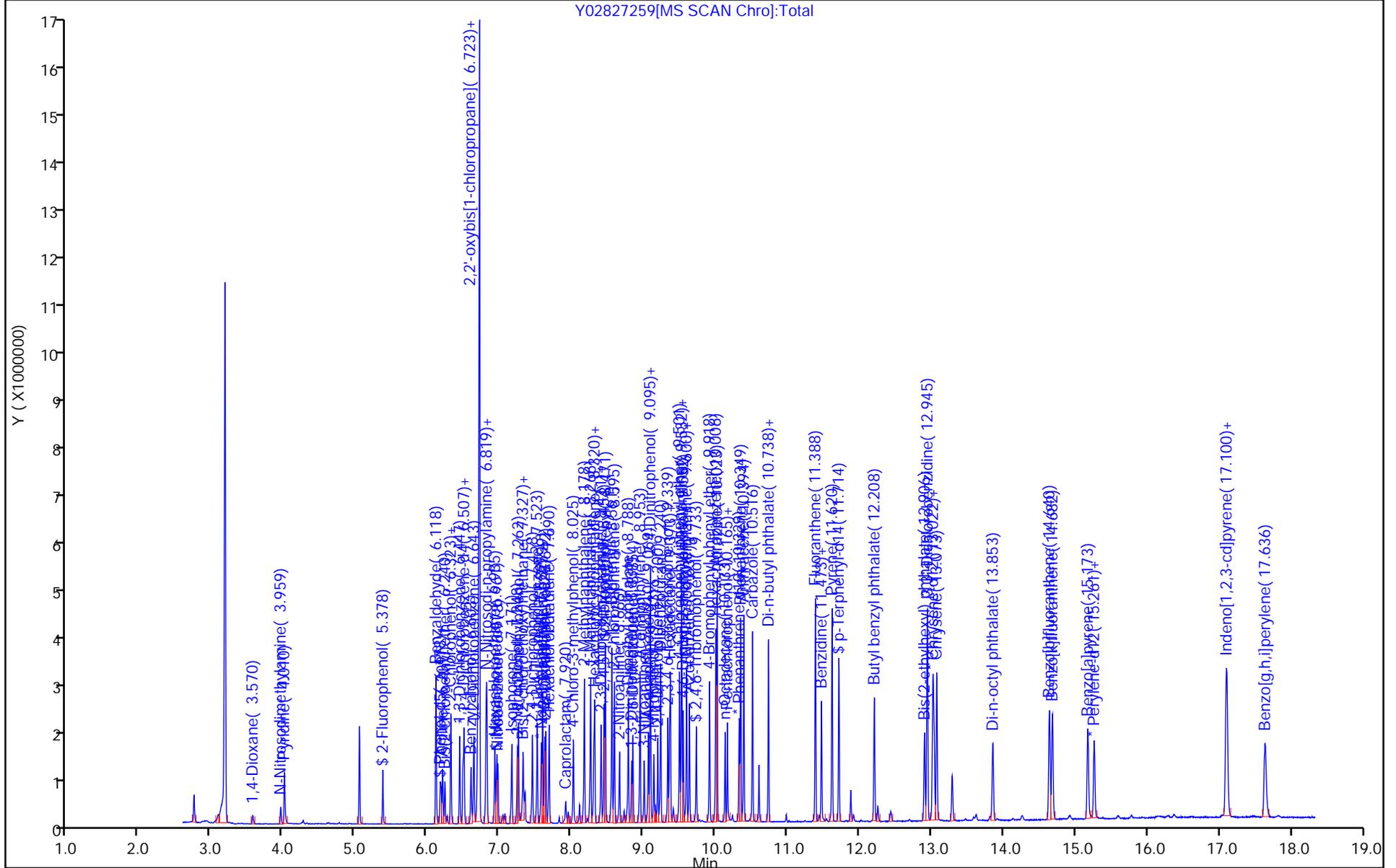
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: Y-LVI-8270

Limit Group: MB - 8270D ICAL

Column: RXI-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, BuffaloJob No.: 480-192275-1

SDG No.: _____

Instrument ID: HP5973WStart Date: 11/22/2021 14:35Analysis Batch Number: 606072End Date: 11/23/2021 02:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-606072/2		11/22/2021 14:35	1	W10018135.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/3		11/22/2021 15:02	1	W10018136.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/4		11/22/2021 15:29	1	W10018137.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/5		11/22/2021 15:57	1	W10018138.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/6		11/22/2021 16:25	1	W10018139.d	RXI-5Sil MS 0.25 (mm)
ICIS 480-606072/7		11/22/2021 16:52	1	W10018140.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/8		11/22/2021 17:20	1	W10018141.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/9		11/22/2021 17:47	1	W10018142.d	RXI-5Sil MS 0.25 (mm)
IC 480-606072/10		11/22/2021 18:14	1	W10018143.d	RXI-5Sil MS 0.25 (mm)
ICV 480-606072/11		11/22/2021 18:42	1	W10018144.d	RXI-5Sil MS 0.25 (mm)
CCVIS 480-606072/12		11/22/2021 19:10	1		RXI-5Sil MS 0.25 (mm)
RL 480-606072/13		11/22/2021 19:37	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 20:04	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 20:32	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 20:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 21:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 21:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 22:20	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 22:47	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 23:14	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/22/2021 23:41	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 00:08	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 00:36	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 01:03	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 01:30	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 01:57	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 02:24	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Instrument ID: HP5973W Start Date: 11/23/2021 03:18

Analysis Batch Number: 606080 End Date: 11/23/2021 14:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-606080/2		11/23/2021 03:18	1	W10018163.d	RXI-5Sil MS 0.25 (mm)
CCVIS 480-606080/3		11/23/2021 03:45	1	W10018164.d	RXI-5Sil MS 0.25 (mm)
RL 480-606080/4		11/23/2021 04:13	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 04:40	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 05:07	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 05:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 06:01	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 06:28	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 06:56	1		RXI-5Sil MS 0.25 (mm)
MB 480-605089/1-A		11/23/2021 07:23	1	W10018172.d	RXI-5Sil MS 0.25 (mm)
LCS 480-605089/2-A		11/23/2021 07:50	1	W10018173.d	RXI-5Sil MS 0.25 (mm)
480-192275-4 MS	828021-GW-04 MS	11/23/2021 08:17	1	W10018174.d	RXI-5Sil MS 0.25 (mm)
480-192275-4 MSD	828021-GW-04 MSD	11/23/2021 08:44	1	W10018175.d	RXI-5Sil MS 0.25 (mm)
480-192275-4	828021-GW-04	11/23/2021 09:11	1	W10018176.d	RXI-5Sil MS 0.25 (mm)
480-192275-1	828021-GW-14	11/23/2021 09:38	1	W10018177.d	RXI-5Sil MS 0.25 (mm)
480-192275-2	828021-GW-11	11/23/2021 10:05	1	W10018178.d	RXI-5Sil MS 0.25 (mm)
480-192275-3	828021-DUP-11112021	11/23/2021 10:32	1	W10018179.d	RXI-5Sil MS 0.25 (mm)
480-192275-5	828021-GW-10	11/23/2021 10:59	1	W10018180.d	RXI-5Sil MS 0.25 (mm)
480-192275-6	828021-GW-2	11/23/2021 11:26	1	W10018181.d	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 11:54	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 12:22	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 12:49	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 13:17	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 13:44	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 14:11	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/23/2021 14:39	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Instrument ID: HP5973Y Start Date: 11/12/2021 10:55

Analysis Batch Number: 604656 End Date: 11/12/2021 22:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-604656/2		11/12/2021 10:55	1	Y02826635.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/3		11/12/2021 11:23	1	Y02826636.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/4		11/12/2021 11:50	1	Y02826637.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/5		11/12/2021 12:17	1	Y02826638.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/6		11/12/2021 12:44	1	Y02826639.D	RXI-5Sil MS 0.25 (mm)
ICIS 480-604656/7		11/12/2021 13:12	1	Y02826640.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/8		11/12/2021 13:39	1	Y02826641.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/9		11/12/2021 14:06	1	Y02826642.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/10		11/12/2021 14:33	1	Y02826643.D	RXI-5Sil MS 0.25 (mm)
ICV 480-604656/11		11/12/2021 15:00	1	Y02826644.D	RXI-5Sil MS 0.25 (mm)
IC 480-604656/12		11/12/2021 15:27	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/13		11/12/2021 15:55	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/14		11/12/2021 16:22	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/15		11/12/2021 16:49	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/16		11/12/2021 17:16	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/17		11/12/2021 17:43	1		RXI-5Sil MS 0.25 (mm)
IC 480-604656/18		11/12/2021 18:10	1		RXI-5Sil MS 0.25 (mm)
ICV 480-604656/19		11/12/2021 18:37	1		RXI-5Sil MS 0.25 (mm)
ICV 480-604656/20		11/12/2021 19:05	1		RXI-5Sil MS 0.25 (mm)
CCVIS 480-604656/21		11/12/2021 19:32	1		RXI-5Sil MS 0.25 (mm)
CCV 480-604656/22		11/12/2021 19:59	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 20:26	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 20:53	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 21:21	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 21:48	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 22:15	50		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/12/2021 22:42	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Instrument ID: HP5973Y Start Date: 11/30/2021 13:12

Analysis Batch Number: 607022 End Date: 12/01/2021 01:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-607022/2		11/30/2021 13:12	1	Y02827244.D	RXI-5Sil MS 0.25 (mm)
CCVIS 480-607022/3		11/30/2021 13:40	1	Y02827245.D	RXI-5Sil MS 0.25 (mm)
CCV 480-607022/5		11/30/2021 14:34	1		RXI-5Sil MS 0.25 (mm)
CCV 480-607022/7		11/30/2021 15:29	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 16:23	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 16:51	5		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 17:18	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 17:45	10		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 18:12	1		RXI-5Sil MS 0.25 (mm)
MB 480-606423/1-A		11/30/2021 18:40	1	Y02827256.D	RXI-5Sil MS 0.25 (mm)
LCS 480-606423/2-A		11/30/2021 19:07	1	Y02827257.D	RXI-5Sil MS 0.25 (mm)
480-192275-4 MS RE	828021-GW-04 MS RE	11/30/2021 19:34	1	Y02827258.D	RXI-5Sil MS 0.25 (mm)
480-192275-4 MSD RE	828021-GW-04 MSD RE	11/30/2021 20:01	1	Y02827259.D	RXI-5Sil MS 0.25 (mm)
480-192275-4 RE	828021-GW-04 RE	11/30/2021 20:29	1	Y02827260.D	RXI-5Sil MS 0.25 (mm)
480-192275-1 RE	828021-GW-14 RE	11/30/2021 20:56	1	Y02827261.D	RXI-5Sil MS 0.25 (mm)
480-192275-2 RE	828021-GW-11 RE	11/30/2021 21:23	1	Y02827262.D	RXI-5Sil MS 0.25 (mm)
480-192275-3 RE	828021-DUP-11112021 RE	11/30/2021 21:50	1	Y02827263.D	RXI-5Sil MS 0.25 (mm)
480-192275-5 RE	828021-GW-10 RE	11/30/2021 22:17	1	Y02827264.D	RXI-5Sil MS 0.25 (mm)
480-192275-6 RE	828021-GW-2 RE	11/30/2021 22:45	1	Y02827265.D	RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 23:12	20		RXI-5Sil MS 0.25 (mm)
ZZZZZ		11/30/2021 23:39	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/01/2021 00:07	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/01/2021 00:34	1		RXI-5Sil MS 0.25 (mm)
ZZZZZ		12/01/2021 01:01	1		RXI-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605089 Batch Start Date: 11/16/21 06:44 Batch Analyst: Palermo, Stephan M

Batch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00124
MB 480-605089/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-605089/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192275-A-4 MS	828021-GW-04	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192275-A-4 MSD	828021-GW-04	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192275-A-4	828021-GW-04	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-B-1	828021-GW-14	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-B-2	828021-GW-11	3510C, 8270D	T	240 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-A-3	828021-DUP-11112 021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-A-5	828021-GW-10	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-A-6	828021-GW-2	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00087					
MB 480-605089/1		3510C, 8270D		1 mL					
LCS 480-605089/2		3510C, 8270D		1 mL					
480-192275-A-4 MS	828021-GW-04	3510C, 8270D	T	1 mL					
480-192275-A-4 MSD	828021-GW-04	3510C, 8270D	T	1 mL					
480-192275-A-4	828021-GW-04	3510C, 8270D	T	1 mL					
480-192275-B-1	828021-GW-14	3510C, 8270D	T	1 mL					
480-192275-B-2	828021-GW-11	3510C, 8270D	T	1 mL					
480-192275-A-3	828021-DUP-11112 021	3510C, 8270D	T	1 mL					
480-192275-A-5	828021-GW-10	3510C, 8270D	T	1 mL					
480-192275-A-6	828021-GW-2	3510C, 8270D	T	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 TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605089 Batch Start Date: 11/16/21 06:44 Batch Analyst: Palermo, Stephan MBatch Method: 3510C Batch End Date: _____

Batch Notes	
Method/Fraction	3510C_LVI/8270D
Analyst ID - Extraction	SP
Analyst ID - Spike Analyst	SP
Analyst ID - Spike Witness Analyst	SP
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	6650797
Base Used to Adjust pH ID	6650804
Prep Solvent ID	6761997
Prep Solvent Volume Used	120 mL
Na2SO4 ID	6673813
Analyst ID - Concentration	SP
Vial Lot Number	00259742

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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 606423 Batch Start Date: 11/24/21 09:05 Batch Analyst: Pollock, Jacob M

Batch Method: 3510C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	O_8270LL LCS 00124
MB 480-606423/1		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	
LCS 480-606423/2		3510C, 8270D		250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192275-B-4 MS	828021-GW-04	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192275-B-4 MSD	828021-GW-04	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	1 mL
480-192275-B-4	828021-GW-04	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-A-1	828021-GW-14	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-A-2	828021-GW-11	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-B-3	828021-DUP-11112 021	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-B-5	828021-GW-10	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	
480-192275-B-6	828021-GW-2	3510C, 8270D	T	250 mL	1 mL	7 SU	<2 SU	>11 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270LLsurr 00087	AnalysisComment				
MB 480-606423/1		3510C, 8270D		1 mL	TV-3				
LCS 480-606423/2		3510C, 8270D		1 mL	TV-3				
480-192275-B-4 MS	828021-GW-04	3510C, 8270D	T	1 mL					
480-192275-B-4 MSD	828021-GW-04	3510C, 8270D	T	1 mL					
480-192275-B-4	828021-GW-04	3510C, 8270D	T	1 mL					
480-192275-A-1	828021-GW-14	3510C, 8270D	T	1 mL					
480-192275-A-2	828021-GW-11	3510C, 8270D	T	1 mL					
480-192275-B-3	828021-DUP-11112 021	3510C, 8270D	T	1 mL					
480-192275-B-5	828021-GW-10	3510C, 8270D	T	1 mL					
480-192275-B-6	828021-GW-2	3510C, 8270D	T	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 TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 606423 Batch Start Date: 11/24/21 09:05 Batch Analyst: Pollock, Jacob MBatch Method: 3510C Batch End Date: _____

Batch Notes	
Method/Fraction	3510C_LVI/8270D
Analyst ID - Extraction	JP
Analyst ID - Spike Analyst	JP
Analyst ID - Spike Witness Analyst	JP
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	6650797
Base Used to Adjust pH ID	6781594
Prep Solvent ID	6793858
Prep Solvent Volume Used	120 mL
Na2SO4 ID	6673813
Analyst ID - Concentration	JP
Vial Lot Number	00259742

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.

METALS

COVER PAGE
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job Number: 480-192275-1

SDG No.: _____

Project: SMP C - Golden Road

Client Sample ID	Lab Sample ID
828021-GW-14	480-192275-1
828021-GW-11	480-192275-2
828021-DUP-11112021	480-192275-3
828021-GW-04	480-192275-4
828021-GW-10	480-192275-5
828021-GW-2	480-192275-6

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 828021-GW-14

Lab Sample ID: 480-192275-1

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG ID.:

Matrix: Water

Date Sampled: 11/11/2021 08:38

Reporting Basis: WET

Date Received: 11/12/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.013	0.015	0.0056	mg/L	J		1	6010C
7440-39-3	Barium	0.20	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	125	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	5.4	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	49.4	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.16	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.5	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	81.6	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.0017	0.0050	0.0015	mg/L	J		1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 828021-GW-11

Lab Sample ID: 480-192275-2

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG ID.:

Matrix: Water

Date Sampled: 11/10/2021 15:11

Reporting Basis: WET

Date Received: 11/12/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.20	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.080	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	160	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	1.4	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	47.3	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.063	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	2.7	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	76.5	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.012	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 828021-DUP-11112021

Lab Sample ID: 480-192275-3

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG ID.:

Matrix: Water

Date Sampled: 11/11/2021 00:00

Reporting Basis: WET

Date Received: 11/12/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.010	0.015	0.0056	mg/L	J		1	6010C
7440-39-3	Barium	0.19	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	124	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	5.1	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	48.9	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.16	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.4	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	80.5	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.0017	0.0050	0.0015	mg/L	J		1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 828021-GW-04

Lab Sample ID: 480-192275-4

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG ID.:

Matrix: Water

Date Sampled: 11/10/2021 11:44

Reporting Basis: WET

Date Received: 11/12/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.13	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	145	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.37	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	46.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.027	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	2.7	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	140	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 828021-GW-10

Lab Sample ID: 480-192275-5

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG ID.:

Matrix: Water

Date Sampled: 11/10/2021 13:28

Reporting Basis: WET

Date Received: 11/12/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.086	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	116	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.77	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	42.1	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.091	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	2.5	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	67.5	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0036	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 828021-GW-2

Lab Sample ID: 480-192275-6

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG ID.:

Matrix: Water

Date Sampled: 11/10/2021 14:19

Reporting Basis: WET

Date Received: 11/12/2021 10:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.060	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	194	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.79	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	50.6	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.052	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	2.7	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	81.7	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.017	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.000043	mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEI_MSS_ICV_00087 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00201

Analyte	ICV 480-605752/5 11/18/2021 15:35				CCV 480-605752/17 11/18/2021 21:43				CCV 480-605752/29 11/18/2021 22:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	35.85		37.5	96	47.43		50.0	95	47.80		50.0	96
Antimony	0.759		0.750	101	0.939		1.00	94	0.920		1.00	92
Arsenic	0.714		0.750	95	0.956		1.00	96	0.945		1.00	95
Barium	0.713		0.750	95	0.942		1.00	94	0.939		1.00	94
Beryllium	0.732		0.750	98	0.972		1.00	97	0.987		1.00	99
Cadmium	0.715		0.750	95	0.939		1.00	94	0.920		1.00	92
Calcium	36.99		37.5	99	48.43		50.0	97	49.27		50.0	99
Chromium	0.732		0.750	98	0.962		1.00	96	0.978		1.00	98
Cobalt	0.714		0.750	95	0.952		1.00	95	0.954		1.00	95
Copper	0.690		0.750	92	0.959		1.00	96	0.956		1.00	96
Iron	37.65		37.5	100	49.04		50.0	98	50.65		50.0	101
Lead	0.728		0.750	97	0.949		1.00	95	0.950		1.00	95
Magnesium	36.65		37.5	98	47.72		50.0	95	48.53		50.0	97
Manganese	0.742		0.750	99	0.979		1.00	98	0.998		1.00	100
Nickel	0.722		0.750	96	0.970		1.00	97	0.986		1.00	99
Potassium	36.09		37.5	96	47.96		50.0	96	48.71		50.0	97
Selenium	0.702		0.750	94	0.940		1.00	94	0.925		1.00	93
Silver	0.727		0.750	97	0.950		1.00	95	0.950		1.00	95
Sodium	35.80		37.5	95	47.12		50.0	94	47.81		50.0	96
Thallium	0.732		0.750	98	0.987		1.00	99	1.00		1.00	100
Vanadium	0.725		0.750	97	0.966		1.00	97	0.979		1.00	98
Zinc	0.747		0.750	100	0.956		1.00	96	0.981		1.00	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEI_MSS_ICV_00087 Concentration Units: mg/L

CCV Source: MEI_MSS_STD2_00201

Analyte	CCV 480-605752/41 11/18/2021 23:14											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	47.60		50.0	95								
Antimony	0.923		1.00	92								
Arsenic	0.959		1.00	96								
Barium	0.935		1.00	93								
Beryllium	0.985		1.00	98								
Cadmium	0.929		1.00	93								
Calcium	49.74		50.0	99								
Chromium	0.975		1.00	97								
Cobalt	0.967		1.00	97								
Copper	0.954		1.00	95								
Iron	51.01		50.0	102								
Lead	0.965		1.00	97								
Magnesium	49.49		50.0	99								
Manganese	1.01		1.00	101								
Nickel	0.992		1.00	99								
Potassium	48.47		50.0	97								
Selenium	0.940		1.00	94								
Silver	0.961		1.00	96								
Sodium	46.94		50.0	94								
Thallium	1.01		1.00	101								
Vanadium	0.980		1.00	98								
Zinc	1.00		1.00	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEI_10_CCVL_00405 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00405

Analyte	ICVL 480-605752/7 11/18/2021 15:42				CCVL 480-605752/19 11/18/2021 21:51				CCVL 480-605752/31 11/18/2021 22:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.168	J	0.200	84	0.147	J	0.200	74	0.185	J	0.200	93
Antimony	0.0199	J	0.0200	100	0.0171	J	0.0200	85	0.0194	J	0.0200	97
Arsenic	0.0122	J	0.0150	81	0.0107	J	0.0150	71	0.0113	J	0.0150	75
Barium	0.00212		0.00200	106	0.00204		0.00200	102	0.00203		0.00200	102
Beryllium	0.00192	J	0.00200	96	0.00178	J	0.00200	89	0.00187	J	0.00200	94
Cadmium	0.00204		0.00200	102	0.00188	J	0.00200	94	0.00186	J	0.00200	93
Calcium	0.512		0.500	102	0.504		0.500	101	0.500		0.500	100
Chromium	0.00415		0.00400	104	0.00376	J	0.00400	94	0.00375	J	0.00400	94
Cobalt	0.00389	J	0.00400	97	0.00359	J	0.00400	90	0.00364	J	0.00400	91
Copper	0.00951	J	0.0100	95	0.00944	J	0.0100	94	0.00925	J	0.0100	93
Iron	0.0511		0.0500	102	0.0527		0.0500	105	0.0514		0.0500	103
Lead	0.00946	J	0.0100	95	0.00913	J	0.0100	91	0.00883	J	0.0100	88
Magnesium	0.191	J	0.200	95	0.189	J	0.200	95	0.188	J	0.200	94
Manganese	0.00328		0.00300	109	0.00332		0.00300	111	0.00327		0.00300	109
Nickel	0.00905	J	0.0100	91	0.00926	J	0.0100	93	0.00910	J	0.0100	91
Potassium	0.495	J	0.500	99	0.512		0.500	102	0.484	J	0.500	97
Selenium	0.0220	J	0.0250	88	0.0189	J	0.0250	76	0.0228	J	0.0250	91
Silver	0.00575	J	0.00600	96	0.00606		0.00600	101	0.00573	J	0.00600	96
Sodium	0.964	J	1.01	96	0.947	J	1.01	94	0.951	J	1.01	94
Thallium	0.0185	J	0.0200	93	0.0188	J	0.0200	94	0.0196	J	0.0200	98
Vanadium	0.00469	J	0.00500	94	0.00494	J	0.00500	99	0.00452	J	0.00500	90
Zinc	0.0102		0.0100	102	0.0101		0.0100	101	0.00967	J	0.0100	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEI_10_CCVL_00405 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00405

Analyte	CCVL 480-605752/43 11/18/2021 23:22											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.180	J	0.200	90								
Antimony	0.0181	J	0.0200	90								
Arsenic	0.0127	J	0.0150	85								
Barium	0.00202		0.00200	101								
Beryllium	0.00188	J	0.00200	94								
Cadmium	0.00179	J	0.00200	90								
Calcium	0.504		0.500	101								
Chromium	0.00404		0.00400	101								
Cobalt	0.00369	J	0.00400	92								
Copper	0.00930	J	0.0100	93								
Iron	0.0503		0.0500	101								
Lead	0.00903	J	0.0100	90								
Magnesium	0.189	J	0.200	95								
Manganese	0.00333		0.00300	111								
Nickel	0.00912	J	0.0100	91								
Potassium	0.484	J	0.500	97								
Selenium	0.0206	J	0.0250	82								
Silver	0.00609		0.00600	102								
Sodium	0.964	J	1.01	96								
Thallium	0.0180	J	0.0200	90								
Vanadium	0.00459	J	0.00500	92								
Zinc	0.00962	J	0.0100	96								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEH_HG1_WKG_02712 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_02712

Analyte	ICV 480-605677/9 11/18/2021 12:28				ICVL 480-605677/11 11/18/2021 12:31				CCV 480-605677/12 11/18/2021 12:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00324		0.00300	108	0.00021 0		0.00020 0	105	0.00210		0.00200	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEH_HG1_WKG_02712 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_02712

Analyte	CCV 480-605677/24 11/18/2021 12:53				CCV 480-605677/36 11/18/2021 13:08				CCV 480-605677/48 11/18/2021 13:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00212		0.00200	106	0.00212		0.00200	106	0.00213		0.00200	107

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

ICV Source: MEH_HG1_WKG_02712 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_02712

Analyte	CCV 480-605677/60 11/18/2021 13:40				CCVL 480-605677/106 11/18/2021 14:40							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00213		0.00200	107	0.00022 0		0.00020 0	110				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 480-605752/6 11/18/2021 15:38		CCB 480-605752/18 11/18/2021 21:47		CCB 480-605752/30 11/18/2021 22:32		CCB 480-605752/42 11/18/2021 23:18	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Lead	0.010	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		ND		ND		ND	
Selenium	0.025	ND		ND		ND		ND	
Silver	0.0060	ND		ND		ND		ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 480-605677/10 11/18/2021 12:30		CCB 480-605677/13 11/18/2021 12:34		CCB 480-605677/25 11/18/2021 12:54		CCB 480-605677/37 11/18/2021 13:10	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 480-605677/49 11/18/2021 13:25		CCB 480-605677/61 11/18/2021 13:41					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Concentration Units: mg/L

Lab Sample ID: MB 480-605257/1-A

Instrument Code: ICAP1

Batch No.: 605752

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	ND			6010C
7439-96-5	Manganese	ND			6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 480-605378/1-A
Instrument Code: LEEMAN5 Batch No.: 605677

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 480-605413/1-A
Instrument Code: LEEMAN5 Batch No.: 605677

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID: ICSA 480-605752/8

Instrument ID: ICAP1

Lab File ID: I1111821A-6.asc

ICS Source: MEI_MSS_ICSA_00034

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500	503	101
Antimony		-0.0013	
Arsenic		-0.0173	
Barium	0.0120	0.0135	
Beryllium		-0.0001	
Cadmium		0.0006	
Calcium	500	470	94
Chromium		-0.0025	
Cobalt		0.0001	
Copper		0.0002	
Iron	200	188	94
Lead		-0.0026	
Magnesium	500	497	99
Manganese		0.0003	
Nickel		0.0029	
Potassium		0.0684	
Selenium		0.0019	
Silver		-0.0013	
Sodium		0.0441	
Thallium		0.0008	
Vanadium		-0.0016	
Zinc		0.0008	
<i>Boron</i>		<i>-0.0002</i>	
<i>Lithium</i>		<i>0.0032</i>	
<i>Molybdenum</i>		<i>-0.0030</i>	
<i>Silicon</i>		<i>-0.0078</i>	
<i>Sulfur</i>		<i>-0.220</i>	
<i>Tin</i>		<i>-0.0030</i>	
<i>Titanium</i>		<i>0.0019</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Lab Sample ID: ICSAB 480-605752/9

Instrument ID: ICAP1

Lab File ID: I1111821A-6.asc

ICS Source: MEI_MSS_ICSAB_00030

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500	496	99
Antimony	0.500	0.498	100
Arsenic	0.500	0.488	98
Barium	0.513	0.516	101
Beryllium	0.250	0.249	100
Cadmium	0.500	0.516	103
Calcium	500	470	94
Chromium	0.500	0.492	98
Cobalt	0.500	0.496	99
Copper	0.500	0.502	100
Iron	200	191	96
Lead	0.500	0.495	99
Magnesium	500	516	103
Manganese	0.501	0.493	99
Nickel	0.501	0.495	99
Potassium	5.00	5.32	106
Selenium	0.500	0.480	96
Silver	0.500	0.527	105
Sodium	5.00	5.17	103
Thallium	0.500	0.492	98
Vanadium	0.500	0.492	98
Zinc	0.501	0.478	96
<i>Boron</i>	<i>5.00</i>	<i>4.71</i>	<i>94</i>
<i>Lithium</i>		<i>0.0025</i>	
<i>Molybdenum</i>	<i>0.500</i>	<i>0.489</i>	<i>98</i>
<i>Silicon</i>	<i>5.00</i>	<i>4.75</i>	<i>95</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.501</i>	<i>100</i>
<i>Sulfur</i>		<i>-0.238</i>	
<i>Tin</i>	<i>0.500</i>	<i>0.488</i>	<i>98</i>
<i>Titanium</i>	<i>0.500</i>	<i>0.498</i>	<i>100</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS

Client ID: 828021-GW-04 MS

Lab ID: 480-192275-4 MS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	9.80	ND	10.0	98	75-125		6010C
Antimony	0.201	ND	0.200	100	75-125		6010C
Arsenic	0.207	ND	0.200	103	75-125		6010C
Barium	0.329	0.13	0.200	100	75-125		6010C
Beryllium	0.209	ND	0.200	104	75-125		6010C
Cadmium	0.193	ND	0.200	97	75-125		6010C
Calcium	157.5	145	10.0	126	75-125	4	6010C
Chromium	0.194	ND	0.200	97	75-125		6010C
Cobalt	0.196	ND	0.200	98	75-125		6010C
Copper	0.195	ND	0.200	97	75-125		6010C
Iron	10.45	0.37	10.0	101	75-125		6010C
Lead	0.195	ND	0.200	98	75-125		6010C
Magnesium	57.35	46.0	10.0	113	75-125	4	6010C
Manganese	0.231	0.027	0.200	102	75-125		6010C
Nickel	0.199	ND	0.200	99	75-125		6010C
Potassium	12.96	2.7	10.0	103	75-125		6010C
Selenium	0.186	ND	0.200	93	75-125		6010C
Silver	0.0498	ND	0.0500	100	75-125		6010C
Sodium	151.3	140	10.0	115	75-125	4	6010C
Thallium	0.204	ND	0.200	102	75-125		6010C
Vanadium	0.199	ND	0.200	100	75-125		6010C
Zinc	0.200	ND	0.200	100	75-125		6010C
Mercury	0.00672	ND	0.00667	101	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: 828021-GW-04 MSD

Lab ID: 480-192275-4 MSD

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	9.77	10.0	98	75-125	0	20		6010C
Antimony	0.201	0.200	101	75-125	0	20		6010C
Arsenic	0.204	0.200	102	75-125	1	20		6010C
Barium	0.329	0.200	100	75-125	0	20		6010C
Beryllium	0.209	0.200	104	75-125	0	20		6010C
Cadmium	0.193	0.200	97	75-125	0	20		6010C
Calcium	157.7	10.0	129	75-125	0	20	4	6010C
Chromium	0.194	0.200	97	75-125	0	20		6010C
Cobalt	0.194	0.200	97	75-125	1	20		6010C
Copper	0.194	0.200	97	75-125	0	20		6010C
Iron	10.38	10.0	100	75-125	1	20		6010C
Lead	0.194	0.200	97	75-125	0	20		6010C
Magnesium	56.83	10.0	108	75-125	1	20	4	6010C
Manganese	0.228	0.200	101	75-125	1	20		6010C
Nickel	0.197	0.200	98	75-125	1	20		6010C
Potassium	12.94	10.0	103	75-125	0	20		6010C
Selenium	0.183	0.200	92	75-125	1	20		6010C
Silver	0.0492	0.0500	98	75-125	1	20		6010C
Sodium	153.9	10.0	141	75-125	2	20	4	6010C
Thallium	0.203	0.200	101	75-125	1	20		6010C
Vanadium	0.198	0.200	99	75-125	0	20		6010C
Zinc	0.194	0.200	97	75-125	3	20		6010C
Mercury	0.00678	0.00667	102	80-120	1	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
 POST DIGESTION SPIKE SAMPLE RECOVERY
 METALS

Client ID: 828021-GW-04 PDS

Lab ID: 480-192275-4 PDS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	9.90	ND	10.0	99	80-120		6010C
Antimony	0.211	ND	0.200	106	80-120		6010C
Arsenic	0.215	ND	0.200	107	80-120		6010C
Barium	0.328	0.13	0.200	100	80-120		6010C
Beryllium	0.214	ND	0.200	107	80-120		6010C
Cadmium	0.200	ND	0.200	100	80-120		6010C
Calcium	149.4	145	10.0	NC	80-120		6010C
Chromium	0.199	ND	0.200	99	80-120		6010C
Cobalt	0.202	ND	0.200	101	80-120		6010C
Copper	0.203	ND	0.200	101	80-120		6010C
Iron	10.71	0.37	10.0	103	80-120		6010C
Lead	0.202	ND	0.200	101	80-120		6010C
Magnesium	54.83	46.0	10.0	88	80-120		6010C
Manganese	0.234	0.027	0.200	104	80-120		6010C
Nickel	0.204	ND	0.200	102	80-120		6010C
Potassium	12.90	2.7	10.0	102	80-120		6010C
Selenium	0.193	ND	0.200	96	80-120		6010C
Silver	0.0505	ND	0.0500	101	80-120		6010C
Sodium	145.4	140	10.0	NC	80-120		6010C
Thallium	0.210	ND	0.200	105	80-120		6010C
Vanadium	0.204	ND	0.200	102	80-120		6010C
Zinc	0.197	ND	0.200	99	80-120		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-605257/2-A

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

Sample Matrix: Water

LCS Source: MED_02_W2_00067

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10.0	9.63		96	80	120		6010C
Antimony	0.200	0.197		98	80	120		6010C
Arsenic	0.200	0.192		96	80	120		6010C
Barium	0.200	0.210		105	80	120		6010C
Beryllium	0.200	0.205		103	80	120		6010C
Cadmium	0.200	0.188		94	80	120		6010C
Calcium	10.0	9.81		98	80	120		6010C
Chromium	0.200	0.193		96	80	120		6010C
Cobalt	0.200	0.188		94	80	120		6010C
Copper	0.200	0.190		95	80	120		6010C
Iron	10.0	10.10		101	80	120		6010C
Lead	0.200	0.188		94	80	120		6010C
Magnesium	10.0	9.90		99	80	120		6010C
Manganese	0.200	0.211		106	80	120		6010C
Nickel	0.200	0.190		95	80	120		6010C
Potassium	10.0	9.73		97	80	120		6010C
Selenium	0.200	0.180		90	80	120		6010C
Silver	0.0500	0.0463		93	80	120		6010C
Sodium	10.0	9.51		95	80	120		6010C
Thallium	0.200	0.200		100	80	120		6010C
Vanadium	0.200	0.194		97	80	120		6010C
Zinc	0.200	0.193		97	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-605378/2-A

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

Sample Matrix: Water

LCS Source: MEH_HG1_WKG_02712

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00667	0.00695		104	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS

Lab ID: LCS 480-605413/2-A

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

Sample Matrix: Water

LCS Source: MEH_HG1_WKG_02712

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00667	0.00702		105	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
 LAB CONTROL SAMPLE DUPLICATE
 METALS

Lab ID: LCSD 480-605413/3-A

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

Sample Matrix: Water

LCS Source: MEH_HG1_WKG_02712

Analyte	(SDR) C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.00685	0.00667	103	80-120	2	20		7470A

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-192275-4

SDG No: _____

Lab Name: Eurofins TestAmerica, Buffalo

Job No: 480-192275-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Aluminum	ND	ND	NC		6010C
Antimony	ND	ND	NC		6010C
Arsenic	ND	ND	NC		6010C
Barium	0.13	0.132	2.5		6010C
Beryllium	ND	ND	NC		6010C
Cadmium	ND	ND	NC		6010C
Calcium	145	147.1	1.6		6010C
Chromium	ND	ND	NC		6010C
Cobalt	ND	ND	NC		6010C
Copper	ND	ND	NC		6010C
Iron	0.37	0.387	NC		6010C
Lead	ND	ND	NC		6010C
Magnesium	46.0	45.57	1.0		6010C
Manganese	0.027	0.0278	2.9		6010C
Nickel	ND	ND	NC		6010C
Potassium	2.7	2.74	2.8		6010C
Selenium	ND	ND	NC		6010C
Silver	ND	ND	NC		6010C
Sodium	140	135.9	2.7		6010C
Thallium	ND	ND	NC		6010C
Vanadium	ND	ND	NC		6010C
Zinc	ND	ND	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 480-192275-4

SDG No: _____

Lab Name: Eurofins TestAmerica, Buffalo

Job No: 480-192275-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Mercury	ND	ND	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job Number: 480-192275-1

SDG Number: _____

Matrix: Water

Instrument ID: ICAP1

Method: 6010C

MDL Date: 07/17/2013 11:47

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.002	0.0005
Calcium	317.933	0.5	0.1
Chromium	267.716	0.004	0.001
Cobalt	228.616	0.004	0.00063
Copper	327.396	0.01	0.0016
Iron	259.940	0.05	0.0193
Lead	220.353	0.01	0.003
Magnesium	279.079	0.2	0.0434
Manganese	257.610	0.003	0.0004
Nickel	231.604	0.01	0.00126
Potassium	766.490	0.5	0.1
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.200	0.01	0.0015

9-IN
 CALIBRATION BLANK DETECTION LIMITS
 METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job Number: 480-192275-1

SDG Number: _____

Matrix: Water

Instrument ID: ICAP1

Method: 6010C

XMDL Date: 07/17/2013 11:47

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.002	0.0005
Calcium	317.933	0.5	0.1
Chromium	267.716	0.004	0.001
Cobalt	228.616	0.004	0.00063
Copper	327.396	0.01	0.0016
Iron	259.940	0.05	0.0193
Lead	220.353	0.01	0.003
Magnesium	279.079	0.2	0.0434
Manganese	257.610	0.003	0.0004
Nickel	231.604	0.01	0.00126
Potassium	766.490	0.5	0.1
Selenium	196.090	0.025	0.0087
Silver	328.068	0.006	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.2	0.01	0.0015

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192275-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A MDL Date: 06/21/2021 17:21
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.0002	0.000043

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192275-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN5
Method: 7470A XMDL Date: 06/21/2021 17:23

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury	253.7	0.0002	0.000043

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192275-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 11/23/2020

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Cu	Fe	K
Aluminum	308.215														
Antimony	206.833											0.005976		0.000013	
Arsenic	189.042		-0.0000330									-0.011195			
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.003343										0.000001	
Calcium	317.933														
Chromium	267.716		0.000013											-0.000007	
Cobalt	228.616														
Copper	327.396							0.000008							
Iron	259.940														
Lead	220.353		-0.000031										0.000143	0.000041	
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610		0.000006											0.000003	
Molybdenum	202.030														
Nickel	231.604													0.000010	
Potassium	766.490														
Selenium	196.090		-0.000019												
Silicon	288.158														
Silver	328.068									-0.006683					
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856										0.004598				
Tin	189.989														
Titanium	334.904														
Vanadium	292.402													0.00002	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192275-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 11/23/2020

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Ce	Co	Cr	Cu	Fe	K
Zinc	206.200											-0.001456			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192275-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 11/23/2020

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti
Aluminum	308.215														
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042														-0.001025
Boron	208.959				0.002541										
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716			0.000064											
Cobalt	228.616				-0.001081										0.001734
Copper	327.396														
Iron	259.940														
Lead	220.353				-0.001520							0.000018			
Lithium	670.784														
Magnesium	279.079			-0.003583											
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090			0.000315											
Silicon	288.158														
Silver	328.068			0.000072											
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856			0.000597											
Tin	189.989														
Titanium	334.904				.01185109										
Vanadium	292.402				0.012980										0.000492
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job Number: 480-192275-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 11/23/2020

Analyte	Wave Length	Tl	V	Zn										
Aluminum	308.215													
Antimony	206.833													
Arsenic	189.042													
Barium	455.403													
Beryllium	313.042													
Boron	208.959													
Cadmium	228.802													
Calcium	317.933													
Chromium	267.716													
Cobalt	228.616													
Copper	327.396													
Iron	259.940													
Lead	220.353													
Lithium	670.784													
Magnesium	279.079													
Manganese	257.610													
Molybdenum	202.030													
Nickel	231.604													
Potassium	766.490													
Selenium	196.090													
Silicon	288.158													
Silver	328.068													
Sodium	589.592													
Strontium	407.771													
Sulfur	182.034													
Thallium	190.856		0.002141											
Tin	189.989													
Titanium	334.904													
Vanadium	292.402													
Zinc	206.200													

11-IN
 LINEAR RANGES
 METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No: 480-192275-1

SDG No.: _____

Instrument ID: ICAP1

Date: 08/01/2019 09:58

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum	15	600	6010C
Antimony	15	10	6010C
Arsenic	15	5	6010C
Barium	15	10	6010C
Beryllium	15	25	6010C
Cadmium	15	5	6010C
Calcium	15	1000	6010C
Chromium	15	10	6010C
Cobalt	15	20	6010C
Copper	15	25	6010C
Iron	15	600	6010C
Lead	15	120	6010C
Magnesium	15	500	6010C
Manganese	15	50	6010C
Nickel	15	10	6010C
Potassium	15	600	6010C
Selenium	15	60	6010C
Silver	15	3	6010C
Sodium	15	1000	6010C
Thallium	15	20	6010C
Vanadium	15	5	6010C
Zinc	15	20	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No: 480-192275-1

SDG No.: _____

Instrument ID: LEEMAN5

Date: 10/09/2018 16:19

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury	10	20	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-605257/1-A	11/17/2021 09:41	605257		50	50
LCS 480-605257/2-A	11/17/2021 09:41	605257		50	50
480-192275-1	11/17/2021 09:41	605257		50	50
480-192275-2	11/17/2021 09:41	605257		50	50
480-192275-3	11/17/2021 09:41	605257		50	50
480-192275-4	11/17/2021 09:41	605257		50	50
480-192275-4 MS	11/17/2021 09:41	605257		50	50
480-192275-4 MSD	11/17/2021 09:41	605257		50	50
480-192275-5	11/17/2021 09:41	605257		50	50
480-192275-6	11/17/2021 09:41	605257		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-605378/1-A	11/18/2021 10:55	605378		30	50
LCS 480-605378/2-A	11/18/2021 10:55	605378		30	50
480-192275-1	11/18/2021 10:55	605378		30	50
480-192275-2	11/18/2021 10:55	605378		30	50
480-192275-3	11/18/2021 10:55	605378		30	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins TestAmerica, Buffalo

Job No.: 480-192275-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-605413/1-A	11/18/2021 10:55	605413		30	50
LCS 480-605413/2-A	11/18/2021 10:55	605413		30	50
LCSD 480-605413/3-A	11/18/2021 10:55	605413		30	50
480-192275-4	11/18/2021 10:55	605413		30	50
480-192275-4 MS	11/18/2021 10:55	605413		30	50
480-192275-4 MSD	11/18/2021 10:55	605413		30	50
480-192275-5	11/18/2021 10:55	605413		30	50
480-192275-6	11/18/2021 10:55	605413		30	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010C

Start Date: 11/18/2021 15:20 End Date: 11/19/2021 00:07

Lab Sample ID	D / F	Type	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ICIS 480-605752/1	1		15:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-605752/2			15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-605752/3			15:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-605752/4			15:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-605752/5	1		15:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-605752/6	1		15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 480-605752/7	1		15:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-605752/8	1		15:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-605752/9	1		15:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:54																			
ZZZZZZ			15:58																			
ZZZZZZ			16:02																			
ZZZZZZ			16:06																			
ZZZZZZ			16:10																			
CCV 480-605752/15			16:14																			
CCB 480-605752/16			16:17																			
CCV 480-605752/17	1		21:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-605752/18	1		21:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-605752/19	1		21:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-605257/1-A	1	T	21:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 480-605257/2-A	1	T	21:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			22:02																			
ZZZZZZ			22:06																			
ZZZZZZ			22:09																			
ZZZZZZ			22:13																			
ZZZZZZ			22:17																			
ZZZZZZ			22:21																			
480-192275-1	1	T	22:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-605752/29	1		22:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-605752/30	1		22:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-605752/31	1		22:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-2	1	T	22:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-3	1	T	22:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-4	1	T	22:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-4 SD	5	T	22:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-4 PDS	1	T	22:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-4 MS	1	T	22:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-4 MSD	1	T	23:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-5	1	T	23:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-192275-6	1	T	23:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-605752/41	1		23:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-605752/42	1		23:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010C

Start Date: 11/18/2021 15:20 End Date: 11/19/2021 00:07

Lab Sample ID	D / F	Type	Time	Analytes																		
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
CCVL 480-605752/43	1		23:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:25																			
ZZZZZZ			23:29																			
ZZZZZZ			23:33																			
ZZZZZZ			23:37																			
ZZZZZZ			23:41																			
ZZZZZZ			23:44																			
ZZZZZZ			23:48																			
ZZZZZZ			23:52																			
CCV 480-605752/52			00:00																			
CCB 480-605752/53			00:03																			
CCVL 480-605752/54			00:07																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010C

Start Date: 11/18/2021 15:20 End Date: 11/19/2021 00:07

Lab Sample ID	D / F	Type	Time	Analytes															
				V	Zn														
ICIS 480-605752/1	1		15:20	X	X														
IC 480-605752/2			15:23	X	X														
IC 480-605752/3			15:27	X	X														
IC 480-605752/4			15:31	X	X														
ICV 480-605752/5	1		15:35	X	X														
ICB 480-605752/6	1		15:38	X	X														
ICVL 480-605752/7	1		15:42	X	X														
ICSA 480-605752/8	1		15:46	X	X														
ICSAB 480-605752/9	1		15:50	X	X														
ZZZZZZ			15:54																
ZZZZZZ			15:58																
ZZZZZZ			16:02																
ZZZZZZ			16:06																
ZZZZZZ			16:10																
CCV 480-605752/15			16:14																
CCB 480-605752/16			16:17																
CCV 480-605752/17	1		21:43	X	X														
CCB 480-605752/18	1		21:47	X	X														
CCVL 480-605752/19	1		21:51	X	X														
MB 480-605257/1-A	1	T	21:54	X	X														
LCS 480-605257/2-A	1	T	21:58	X	X														
ZZZZZZ			22:02																
ZZZZZZ			22:06																
ZZZZZZ			22:09																
ZZZZZZ			22:13																
ZZZZZZ			22:17																
ZZZZZZ			22:21																
480-192275-1	1	T	22:25	X	X														
CCV 480-605752/29	1		22:29	X	X														
CCB 480-605752/30	1		22:32	X	X														
CCVL 480-605752/31	1		22:36	X	X														
480-192275-2	1	T	22:40	X	X														
480-192275-3	1	T	22:44	X	X														
480-192275-4	1	T	22:47	X	X														
480-192275-4 SD	5	T	22:51	X	X														
480-192275-4 PDS	1	T	22:55	X	X														
480-192275-4 MS	1	T	22:59	X	X														
480-192275-4 MSD	1	T	23:03	X	X														
480-192275-5	1	T	23:07	X	X														
480-192275-6	1	T	23:10	X	X														
CCV 480-605752/41	1		23:14	X	X														
CCB 480-605752/42	1		23:18	X	X														

15-IN
ICP INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1
 SDG No.: _____ Analysis Batch No.: 605752
 ICP Instrument ID: ICAP1 Start Date: 11/18/2021 End Date: 11/18/2021

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In 230.606	Q	Element Y 224.306	Q	Element Y 360.073	Q	Element Y 377.433	Q	Element	Q
ICIS 480-605752/1	15:20										
ICV 480-605752/5	15:35	87		97		94		99			
ICB 480-605752/6	15:38	101		102		100		99			
ICVL 480-605752/7	15:42	99		100		99		98			
ICSA 480-605752/8	15:46	74		88		85		95			
ICSAB 480-605752/9	15:50	73		88		83		92			
CCV 480-605752/17	21:43	87		100		96		98			
CCB 480-605752/18	21:47	102		105		102		100			
CCVL 480-605752/19	21:51	101		106		102		98			
MB 480-605257/1-A	21:54	101		106		102		98			
LCS 480-605257/2-A	21:58	95		103		99		98			
480-192275-1	22:25	87		99		95		98			
CCV 480-605752/29	22:29	88		103		95		95			
CCB 480-605752/30	22:32	102		106		102		95			
CCVL 480-605752/31	22:36	102		106		103		98			
480-192275-2	22:40	86		98		93		96			
480-192275-3	22:44	87		100		93		94			
480-192275-4	22:47	85		98		92		96			
480-192275-4 SD	22:51	95		102		99		97			
480-192275-4 PDS	22:55	84		98		93		98			
480-192275-4 MS	22:59	84		98		92		94			
480-192275-4 MSD	23:03	84		98		93		95			
480-192275-5	23:07	88		99		94		94			
480-192275-6	23:10	86		97		92		94			
CCV 480-605752/41	23:14	88		103		96		95			
CCB 480-605752/42	23:18	102		107		102		96			
CCVL 480-605752/43	23:22	101		106		101		93			

Run File: I1111821A

Instrument: ICAP1

Analyst: ADM

Data Review: *AMM 11/19/21*

Spikes Ids:6639940(W1), 6639959(W2) 6639939(Sn), 6742802(Ag), 6742856(Si),
6742882(S), 6370646(TCLP)

Pipette Ids: 10/6/21-(1-11)

Internal Standard:6768496

Seq#	Run File ID	Sample ID	Date / Time	Sample Type
1	I1111821A	ICIS-6785149	11/18/21 03:20 PM	Standard
2	I1111821A	IC-6768474	11/18/21 03:23 PM	Standard
3	I1111821A	IC-6774594	11/18/21 03:27 PM	Standard
4	I1111821A	IC-6755031	11/18/21 03:31 PM	Standard
5	I1111821A	ICV-6771259	11/18/21 03:35 PM	QC
6	I1111821A	ICB-6785149	11/18/21 03:38 PM	QC
7	I1111821A	ICVL-6768474	11/18/21 03:42 PM	QC
8	I1111821A	ICSA-6731637	11/18/21 03:46 PM	QC
9	I1111821A	ICSAB-6743474	11/18/21 03:50 PM	QC
10	I1111821A	ICEX1	11/18/21 03:54 PM	Unknown
11	I1111821A	ICEX2	11/18/21 03:58 PM	Unknown
12	I1111821A	ICEX3	11/18/21 04:02 PM	Unknown
13	I1111821A	ICEX4	11/18/21 04:06 PM	Unknown
14	I1111821A	ICEX5	11/18/21 04:10 PM	Unknown
15	I1111821A	CCV-6774594	11/18/21 04:14 PM	QC
16	I1111821A	CCB-6785149	11/18/21 04:17 PM	QC
17	I1111821A	CCVL-6768474	11/18/21 04:30 PM	QC
18	I1111821A	LB 480-605164/1-B	11/18/21 04:34 PM	Unknown
19	I1111821A	480-192194-C-3-A	11/18/21 04:38 PM	Unknown
20	I1111821A	480-192194-C-3-ASD@5	11/18/21 04:42 PM	Unknown
21	I1111821A	480-192194-C-3-APDS	11/18/21 04:46 PM	Unknown
22	I1111821A	480-192194-C-3-B MS	11/18/21 04:49 PM	Unknown
23	I1111821A	480-192194-C-3-C MSD	11/18/21 04:53 PM	Unknown
24	I1111821A	480-192194-C-4-A	11/18/21 04:57 PM	Unknown
25	I1111821A	480-192194-C-5-A	11/18/21 05:01 PM	Unknown
26	I1111821A	480-192011-C-2-A	11/18/21 05:05 PM	Unknown
27	I1111821A	CCV-6774594	11/18/21 05:09 PM	QC
28	I1111821A	CCB-6785149	11/18/21 05:13 PM	QC
29	I1111821A	CCVL-6768474	11/18/21 05:17 PM	QC
30	I1111821A	480-192011-C-3-A	11/18/21 05:20 PM	Unknown
31	I1111821A	MB 480-604724/1-A	11/18/21 05:24 PM	Unknown
32	I1111821A	LCS 480-604724/2-A	11/18/21 05:28 PM	Unknown
33	I1111821A	480-191982-T-4-A	11/18/21 05:32 PM	Unknown
34	I1111821A	480-192051-I-1-A	11/18/21 05:36 PM	Unknown
35	I1111821A	480-192059-C-1-B	11/18/21 05:40 PM	Unknown
36	I1111821A	480-192059-C-2-B	11/18/21 05:44 PM	Unknown
37	I1111821A	480-191827-D-1-A	11/18/21 05:47 PM	Unknown
38	I1111821A	480-191827-D-2-A	11/18/21 05:51 PM	Unknown
39	I1111821A	CCV-6774594	11/18/21 05:55 PM	QC
40	I1111821A	CCB-6785149	11/18/21 05:58 PM	QC
41	I1111821A	CCVL-6768474	11/18/21 06:02 PM	QC
42	I1111821A	480-191827-D-3-A	11/18/21 06:06 PM	Unknown

43	I1111821A	480-191827-D-4-A	11/18/21 06:10 PM	Unknown
44	I1111821A	480-191827-D-5-A	11/18/21 06:14 PM	Unknown
45	I1111821A	480-192007-D-1-A	11/18/21 06:18 PM	Unknown
46	I1111821A	480-192007-D-2-A	11/18/21 06:21 PM	Unknown
47	I1111821A	480-192007-D-3-A	11/18/21 06:25 PM	Unknown
48	I1111821A	480-192007-D-4-A	11/18/21 06:29 PM	Unknown
49	I1111821A	480-191949-C-1-A	11/18/21 06:33 PM	Unknown
50	I1111821A	480-191949-C-2-A	11/18/21 06:36 PM	Unknown
51	I1111821A	CCV-6774594	11/18/21 06:40 PM	QC
52	I1111821A	CCB-6785149	11/18/21 06:44 PM	QC
53	I1111821A	CCVL-6768474	11/18/21 06:48 PM	QC
54	I1111821A	MB 480-605253/1-A	11/18/21 06:52 PM	Unknown
55	I1111821A	LCS 480-605253/2-A	11/18/21 06:56 PM	Unknown
56	I1111821A	480-192086-D-1-A	11/18/21 06:59 PM	Unknown
57	I1111821A	480-192086-D-2-A	11/18/21 07:03 PM	Unknown
58	I1111821A	480-192086-D-3-A	11/18/21 07:07 PM	Unknown
59	I1111821A	480-192086-D-3-B MS	11/18/21 07:11 PM	Unknown
60	I1111821A	480-192086-D-3-C MSD	11/18/21 07:15 PM	Unknown
61	I1111821A	MB 480-605252/1-A	11/18/21 07:19 PM	Unknown
62	I1111821A	LCS 480-605252/2-A	11/18/21 07:22 PM	Unknown
63	I1111821A	CCV-6774594	11/18/21 07:26 PM	QC
64	I1111821A	CCB-6785149	11/18/21 07:30 PM	QC
65	I1111821A	CCVL-6768474	11/18/21 07:33 PM	QC
66	I1111821A	480-192036-D-1-A	11/18/21 07:37 PM	Unknown
67	I1111821A	480-192035-D-1-C	11/18/21 07:41 PM	Unknown
68	I1111821A	480-192035-D-2-C	11/18/21 07:45 PM	Unknown
69	I1111821A	480-192035-D-3-C	11/18/21 07:49 PM	Unknown
70	I1111821A	192086-1 TOT	11/18/21 07:53 PM	Unknown
71	I1111821A	192167-5 TOT	11/18/21 07:56 PM	Unknown
72	I1111821A	192167-7 TOT	11/18/21 08:00 PM	Unknown
73	I1111821A	192035-1 TOT	11/18/21 08:04 PM	Unknown
74	I1111821A	192035-2 TOT	11/18/21 08:08 PM	Unknown
75	I1111821A	CCV-6774594	11/18/21 08:12 PM	QC
76	I1111821A	CCB-6785149	11/18/21 08:15 PM	QC
77	I1111821A	CCVL-6768474	11/18/21 08:19 PM	QC
78	I1111821A	192036-1 TOT	11/18/21 08:23 PM	Unknown
79	I1111821A	192409-1 TOT	11/18/21 08:27 PM	Unknown
80	I1111821A	192235-18 TOT	11/18/21 08:31 PM	Unknown
81	I1111821A	192235-7 TOT	11/18/21 08:34 PM	Unknown
82	I1111821A	192235-9 TOT	11/18/21 08:38 PM	Unknown
83	I1111821A	191974-5 SOL	11/18/21 08:42 PM	Unknown
84	I1111821A	191974-6 SOL	11/18/21 08:46 PM	Unknown
85	I1111821A	191976-2 SOL	11/18/21 08:50 PM	Unknown
86	I1111821A	192025-2 SOL	11/18/21 08:53 PM	Unknown
87	I1111821A	CCV-6774594	11/18/21 08:57 PM	QC
88	I1111821A	CCB-6785149	11/18/21 09:01 PM	QC
89	I1111821A	CCVL-6768474	11/18/21 09:05 PM	QC
90	I1111821A	192134-11 SOL	11/18/21 09:08 PM	Unknown
91	I1111821A	192134-2 SOL	11/18/21 09:12 PM	Unknown
92	I1111821A	192134-6 SOL	11/18/21 09:16 PM	Unknown
93	I1111821A	192025-4 SOL	11/18/21 09:20 PM	Unknown
94	I1111821A	192025-5 SOL	11/18/21 09:24 PM	Unknown

95	I1111821A	192025-6 SOL	11/18/21 09:28 PM	Unknown
96	I1111821A	192025-7 SOL	11/18/21 09:32 PM	Unknown
97	I1111821A	192025-8 SOL	11/18/21 09:36 PM	Unknown
98	I1111821A	192064-2 SOL	11/18/21 09:39 PM	Unknown
99	I1111821A	CCV-6774594	11/18/21 09:43 PM	QC
100	I1111821A	CCB-6785149	11/18/21 09:47 PM	QC
101	I1111821A	CCVL-6768474	11/18/21 09:51 PM	QC
102	I1111821A	MB 480-605257/1-A	11/18/21 09:54 PM	Unknown
103	I1111821A	LCS 480-605257/2-A	11/18/21 09:58 PM	Unknown
104	I1111821A	480-192037-D-1-A	11/18/21 10:02 PM	Unknown
105	I1111821A	480-192037-D-2-A	11/18/21 10:06 PM	Unknown
106	I1111821A	480-192037-D-3-A	11/18/21 10:09 PM	Unknown
107	I1111821A	480-192037-D-4-A	11/18/21 10:13 PM	Unknown
108	I1111821A	480-192037-D-5-A	11/18/21 10:17 PM	Unknown
109	I1111821A	480-192337-C-1-B	11/18/21 10:21 PM	Unknown
110	I1111821A	480-192275-C-1-B	11/18/21 10:25 PM	Unknown
111	I1111821A	CCV-6774594	11/18/21 10:29 PM	QC
112	I1111821A	CCB-6785149	11/18/21 10:32 PM	QC
113	I1111821A	CCVL-6768474	11/18/21 10:36 PM	QC
114	I1111821A	480-192275-C-2-B	11/18/21 10:40 PM	Unknown
115	I1111821A	480-192275-C-3-B	11/18/21 10:44 PM	Unknown
116	I1111821A	480-192275-C-4-D	11/18/21 10:47 PM	Unknown
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118	I1111821A	480-192275-C-4-DPDS	11/18/21 10:55 PM	Unknown
119	I1111821A	480-192275-C-4-E MS	11/18/21 10:59 PM	Unknown
120	I1111821A	480-192275-C-4-F MSD	11/18/21 11:03 PM	Unknown
121	I1111821A	480-192275-C-5-B	11/18/21 11:07 PM	Unknown
122	I1111821A	480-192275-C-6-B	11/18/21 11:10 PM	Unknown
123	I1111821A	CCV-6774594	11/18/21 11:14 PM	QC
124	I1111821A	CCB-6785149	11/18/21 11:18 PM	QC
125	I1111821A	CCVL-6768474	11/18/21 11:22 PM	QC
126	I1111821A	480-192381-C-1-B	11/18/21 11:25 PM	Unknown
127	I1111821A	480-192381-E-2-B	11/18/21 11:29 PM	Unknown
128	I1111821A	480-192381-C-4-B	11/18/21 11:33 PM	Unknown
129	I1111821A	480-192381-C-5-B	11/18/21 11:37 PM	Unknown
130	I1111821A	480-192381-C-6-B	11/18/21 11:41 PM	Unknown
131	I1111821A	480-192381-C-7-B	11/18/21 11:44 PM	Unknown
132	I1111821A	480-192237-A-1-A	11/18/21 11:48 PM	Unknown
133	I1111821A	480-192290-C-1-B	11/18/21 11:52 PM	Unknown
134	I1111821A	MB 480-605468/1-A	11/18/21 11:56 PM	Unknown
135	I1111821A	CCV-6774594	11/19/21 12:00 AM	QC
136	I1111821A	CCB-6785149	11/19/21 12:03 AM	QC
137	I1111821A	CCVL-6768474	11/19/21 12:07 AM	QC
138	I1111821A	LCS 480-605468/2-A	11/19/21 12:11 AM	Unknown
139	I1111821A	480-192471-C-1-A	11/19/21 12:14 AM	Unknown
140	I1111821A	480-192480-D-1-A	11/19/21 12:18 AM	Unknown
141	I1111821A	480-192304-C-1-A	11/19/21 12:22 AM	Unknown
142	I1111821A	480-192417-D-1-A	11/19/21 12:26 AM	Unknown
143	I1111821A	480-192417-D-2-A	11/19/21 12:30 AM	Unknown
144	I1111821A	480-192417-D-3-A	11/19/21 12:34 AM	Unknown
145	I1111821A	480-192417-D-4-A	11/19/21 12:37 AM	Unknown
146	I1111821A	480-192417-D-6-A	11/19/21 12:41 AM	Unknown

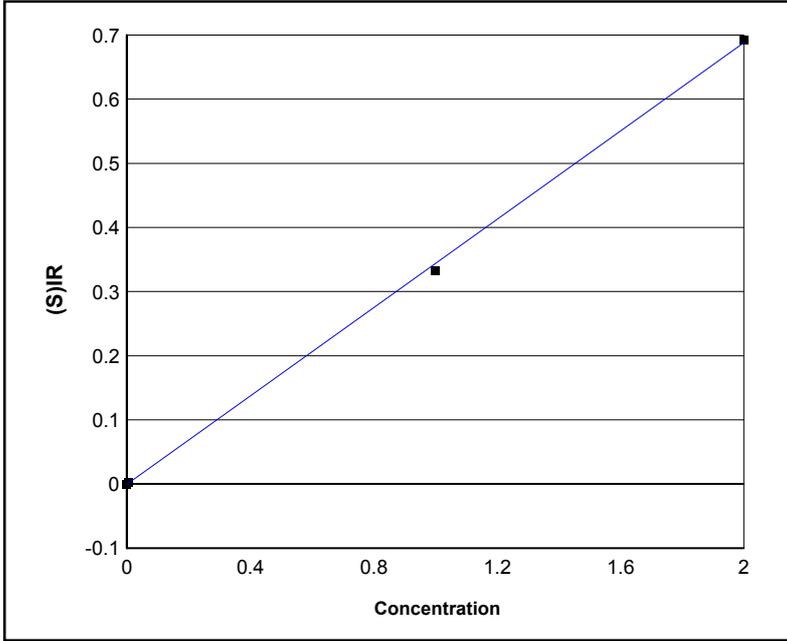
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148	I1111821A	CCB-6785149	11/19/21 12:49 AM	QC
149	I1111821A	CCVL-6768474	11/19/21 12:52 AM	QC
150	I1111821A	480-192417-D-6-ASD@5	11/19/21 12:56 AM	Unknown
151	I1111821A	480-192417-D-6-APDS	11/19/21 01:00 AM	Unknown
152	I1111821A	480-192417-D-6-B MS	11/19/21 01:04 AM	Unknown
153	I1111821A	480-192417-D-6-C MSD	11/19/21 01:07 AM	Unknown
154	I1111821A	480-192417-D-7-A	11/19/21 01:11 AM	Unknown
155	I1111821A	480-192417-D-8-A	11/19/21 01:15 AM	Unknown
156	I1111821A	480-192434-A-1-A	11/19/21 01:19 AM	Unknown
157	I1111821A	480-192434-A-6-A	11/19/21 01:22 AM	Unknown
158	I1111821A	480-192385-C-2-A	11/19/21 01:26 AM	Unknown
159	I1111821A	CCV-6774594	11/19/21 01:30 AM	QC
160	I1111821A	CCB-6785149	11/19/21 01:34 AM	QC
161	I1111821A	CCVL-6768474	11/19/21 01:37 AM	QC
162	I1111821A	480-192385-C-3-A	11/19/21 01:41 AM	Unknown
163	I1111821A	480-192385-C-4-A	11/19/21 01:45 AM	Unknown
164	I1111821A	480-192385-C-5-A	11/19/21 01:49 AM	Unknown
165	I1111821A	480-192385-C-6-A	11/19/21 01:53 AM	Unknown
166	I1111821A	480-192385-C-7-A	11/19/21 01:57 AM	Unknown
167	I1111821A	480-192385-C-8-A	11/19/21 02:00 AM	Unknown
168	I1111821A	480-192461-A-1-A	11/19/21 02:04 AM	Unknown
169	I1111821A	MB 480-605471/1-A	11/19/21 02:08 AM	Unknown
170	I1111821A	LCS 480-605471/2-A	11/19/21 02:12 AM	Unknown
171	I1111821A	CCV-6774594	11/19/21 02:16 AM	QC
172	I1111821A	CCB-6785149	11/19/21 02:19 AM	QC
173	I1111821A	CCVL-6768474	11/19/21 02:23 AM	QC
174	I1111821A	480-192429-B-1-A	11/19/21 02:27 AM	Unknown
175	I1111821A	480-192429-B-2-A	11/19/21 02:31 AM	Unknown
176	I1111821A	480-192429-B-3-A	11/19/21 02:35 AM	Unknown
177	I1111821A	480-192429-B-3-ASD@5	11/19/21 02:38 AM	Unknown
178	I1111821A	480-192429-B-3-APDS	11/19/21 02:42 AM	Unknown
179	I1111821A	480-192429-B-3-B MS	11/19/21 02:46 AM	Unknown
180	I1111821A	480-192429-B-3-C MSD	11/19/21 02:50 AM	Unknown
181	I1111821A	480-192429-B-4-A	11/19/21 02:53 AM	Unknown
182	I1111821A	480-192429-B-5-A	11/19/21 02:57 AM	Unknown
183	I1111821A	CCV-6774594	11/19/21 03:01 AM	QC
184	I1111821A	CCB-6785149	11/19/21 03:04 AM	QC
185	I1111821A	CCVL-6768474	11/19/21 03:08 AM	QC
186	I1111821A	480-192429-B-6-A	11/19/21 03:12 AM	Unknown
187	I1111821A	480-192429-B-7-A	11/19/21 03:16 AM	Unknown
188	I1111821A	480-192429-B-8-A	11/19/21 03:20 AM	Unknown
189	I1111821A	480-192429-B-9-A	11/19/21 03:24 AM	Unknown
190	I1111821A	480-192429-B-10-A	11/19/21 03:27 AM	Unknown
191	I1111821A	480-192429-B-11-A	11/19/21 03:31 AM	Unknown
192	I1111821A	480-192429-B-12-A	11/19/21 03:35 AM	Unknown
193	I1111821A	480-192476-C-2-A	11/19/21 03:39 AM	Unknown
194	I1111821A	480-192476-C-3-A	11/19/21 03:43 AM	Unknown
195	I1111821A	CCV-6774594	11/19/21 03:46 AM	QC
196	I1111821A	CCB-6785149	11/19/21 03:50 AM	QC
197	I1111821A	CCVL-6768474	11/19/21 03:54 AM	QC
198	I1111821A	480-192476-C-4-A	11/19/21 03:58 AM	Unknown

199	I1111821A	480-192476-C-5-A	11/19/21 04:02 AM	Unknown
200	I1111821A	480-192476-C-6-A	11/19/21 04:05 AM	Unknown
201	I1111821A	480-192476-C-7-A	11/19/21 04:09 AM	Unknown
202	I1111821A	480-192476-C-8-A	11/19/21 04:13 AM	Unknown
203	I1111821A	480-192446-D-1-A	11/19/21 04:17 AM	Unknown
204	I1111821A	MB 480-605464/1-A	11/19/21 04:21 AM	Unknown
205	I1111821A	LCS 480-605464/2-A	11/19/21 04:24 AM	Unknown
206	I1111821A	480-192174-C-22-B	11/19/21 04:28 AM	Unknown
207	I1111821A	CCV-6774594	11/19/21 04:32 AM	QC
208	I1111821A	CCB-6785149	11/19/21 04:35 AM	QC
209	I1111821A	CCVL-6768474	11/19/21 04:39 AM	QC
210	I1111821A	480-192174-C-23-B	11/19/21 04:43 AM	Unknown
211	I1111821A	480-192174-C-25-B	11/19/21 04:47 AM	Unknown
212	I1111821A	480-192288-C-1-B	11/19/21 04:51 AM	Unknown
213	I1111821A	480-192288-C-2-B	11/19/21 04:55 AM	Unknown
214	I1111821A	480-192288-C-3-B	11/19/21 04:59 AM	Unknown
215	I1111821A	480-192288-C-4-B	11/19/21 05:03 AM	Unknown
216	I1111821A	480-192288-C-5-D	11/19/21 05:07 AM	Unknown
217	I1111821A	480-192288-C-5-DSD@5	11/19/21 05:10 AM	Unknown
218	I1111821A	480-192288-C-5-DPDS	11/19/21 05:14 AM	Unknown
219	I1111821A	CCV-6774594	11/19/21 05:18 AM	QC
220	I1111821A	CCB-6785149	11/19/21 05:22 AM	QC
221	I1111821A	CCVL-6768474	11/19/21 05:25 AM	QC
222	I1111821A	480-192288-C-5-E MS	11/19/21 05:29 AM	Unknown
223	I1111821A	480-192288-C-5-F MSD	11/19/21 05:33 AM	Unknown
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225	I1111821A	480-192288-C-7-B	11/19/21 05:41 AM	Unknown
226	I1111821A	480-192288-C-8-B	11/19/21 05:45 AM	Unknown
227	I1111821A	480-192288-C-9-B	11/19/21 05:48 AM	Unknown
228	I1111821A	480-192288-C-10-B	11/19/21 05:52 AM	Unknown
229	I1111821A	480-192288-C-11-B	11/19/21 05:56 AM	Unknown
230	I1111821A	480-192288-C-12-B	11/19/21 06:00 AM	Unknown
231	I1111821A	CCV-6774594	11/19/21 06:04 AM	QC
232	I1111821A	CCB-6785149	11/19/21 06:07 AM	QC
233	I1111821A	CCVL-6768474	11/19/21 06:11 AM	QC
234	I1111821A	480-192288-C-13-B	11/19/21 06:15 AM	Unknown
235	I1111821A	480-192288-C-14-B	11/19/21 06:19 AM	Unknown
236	I1111821A	480-192288-C-15-B	11/19/21 06:22 AM	Unknown
237	I1111821A	480-192288-C-16-B	11/19/21 06:26 AM	Unknown
238	I1111821A	480-192272-C-1-A	11/19/21 06:30 AM	Unknown
239	I1111821A	RAW LB BATCH 605381	11/19/21 06:34 AM	Unknown
240	I1111821A	CCVL-6768474	11/19/21 06:38 AM	QC
241	I1111821A	CCV-6774594	11/19/21 06:42 AM	QC
242	I1111821A	CCB-6785149	11/19/21 06:45 AM	QC

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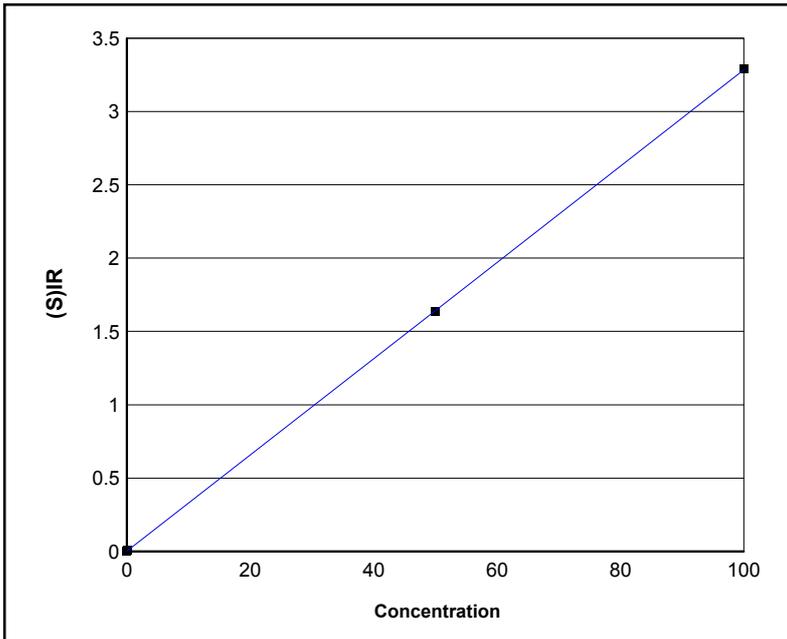
Author: ADM
 Published: 11/19/2021 7:56:30AM
 Instrument Name: iCAP1
 Method Name: ICAP1 New Stds (1008)

Serial Number: 20094603



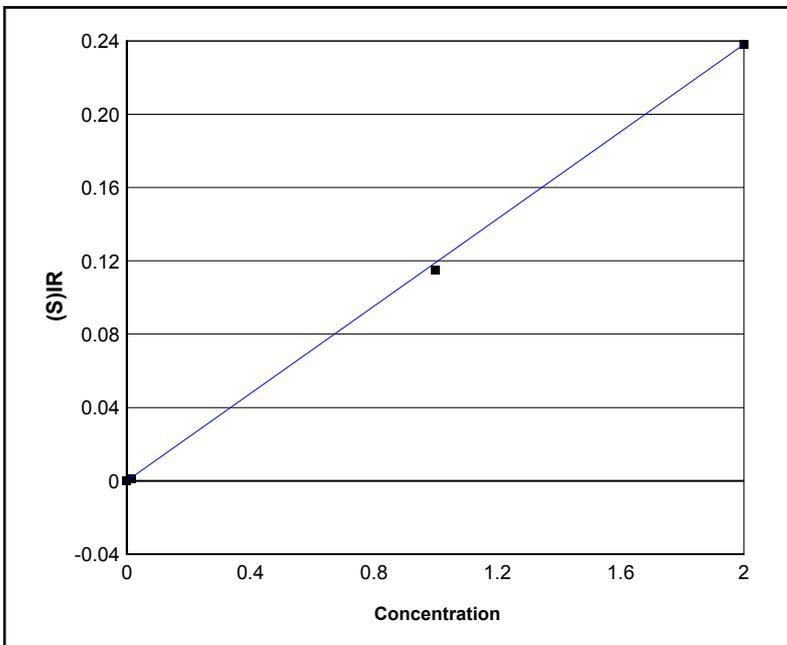
Element Name: Ag	
Element Wavelength: Ag 328.068 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99982	
A0 (Offset): -0.00025144	
A1 (Gain): 0.34422	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000002641	0.0000002641	0.00000	-0.00025135	0.0000070661	1
IC-6768474	0.0060000	0.0058148	-0.00018515	-3.0859	0.0017503	0.000089636	1
IC-6774594	1.0000	0.97351	-0.026491	-2.6491	0.33259	0.00094711	1
IC-6755031	2.0000	2.0267	0.026677	1.3339	0.69285	0.00064281	1



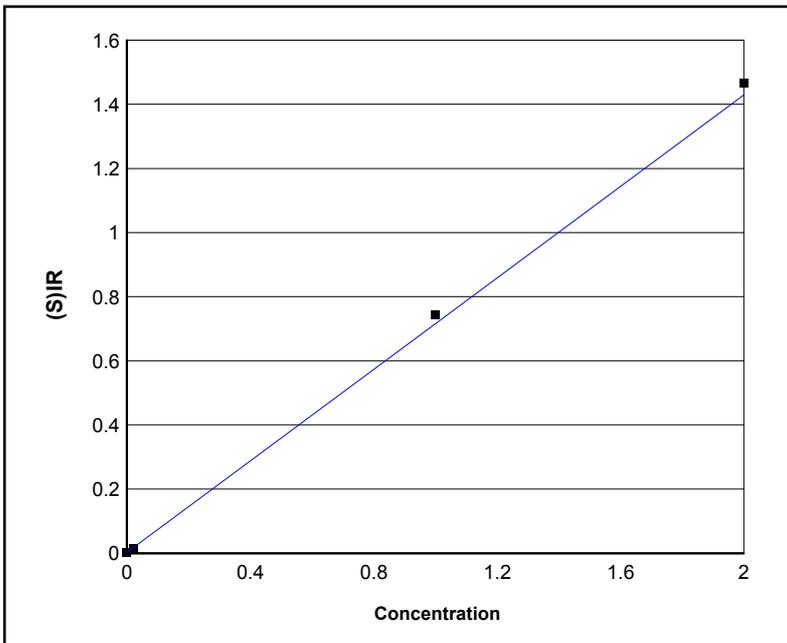
Element Name: Al	
Element Wavelength: Al 308.215 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99999	
A0 (Offset): 0.0011597	
A1 (Gain): 0.032836	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000071714	0.0000071714	0.00000	0.0011599	0.00010362	1
IC-6768474	0.20000	0.19329	-0.0067134	-3.3567	0.0075064	0.00048217	1
IC-6774594	50.000	49.764	-0.23573	-0.47145	1.6352	0.0065450	1
IC-6755031	100.00	100.24	0.24244	0.24244	3.2927	0.0073140	1



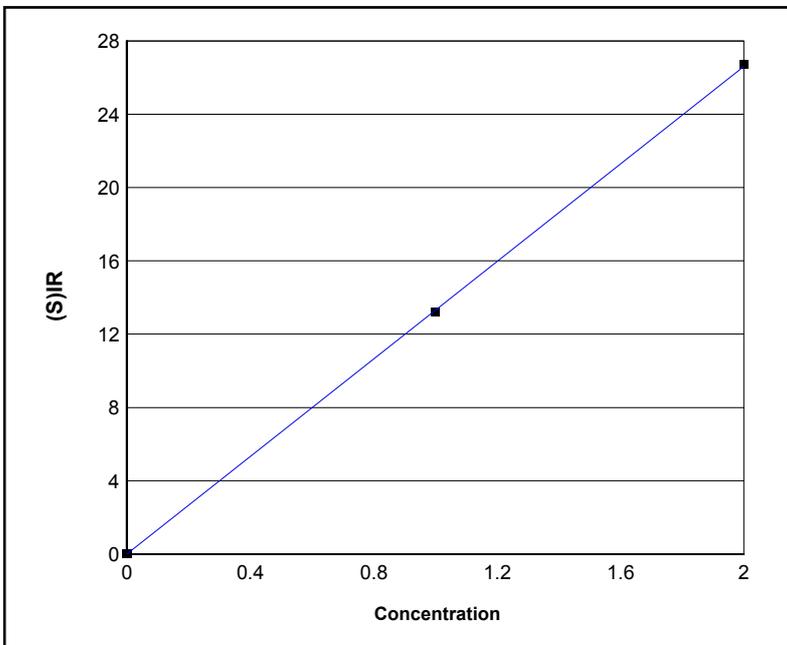
Element Name:	As	
Element Wavelength:	As 189.042 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99967	
A0 (Offset):	-0.000070920	
A1 (Gain):	0.11909	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000042621	0.0000042621	0.00000	-0.000070413	0.00030349	1
IC-6768474	0.015000	0.010868	-0.0041319	-27.546	0.0012176	0.00019024	1
IC-6774594	1.0000	0.97846	-0.021537	-2.1537	0.11501	0.00067202	1
IC-6755031	2.0000	2.0257	0.025706	1.2853	0.23829	0.0010791	1



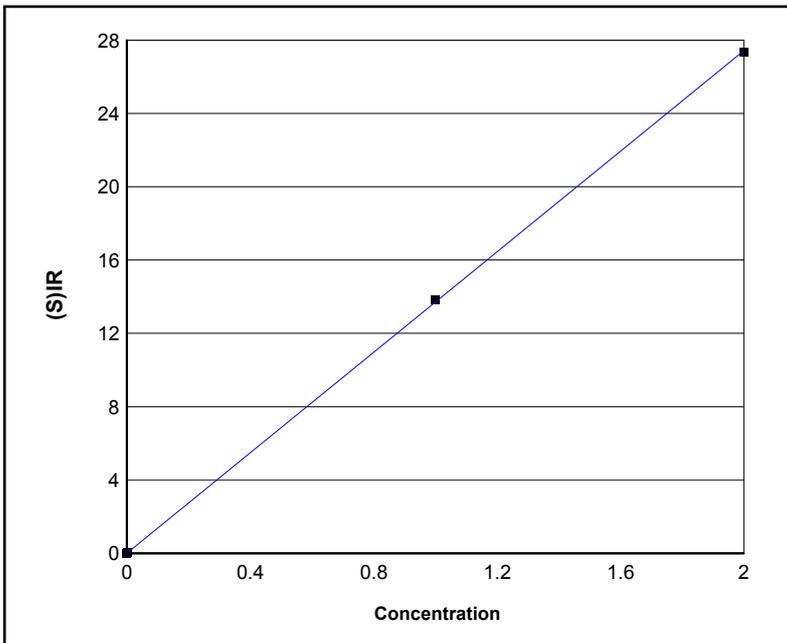
Element Name:	B	
Element Wavelength:	B 208.959 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	0.0024176	
A1 (Gain):	0.71316	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000011803	0.0000011803	0.00000	0.0024184	0.00012986	1
IC-6768474	0.020000	0.018699	-0.0013012	-6.5060	0.015971	0.00018079	1
IC-6774594	1.0000	1.0108	0.010810	1.0810	0.74515	0.00052616	1
IC-6755031	2.0000	1.9905	-0.0095285	-0.47642	1.4657	0.0042525	1



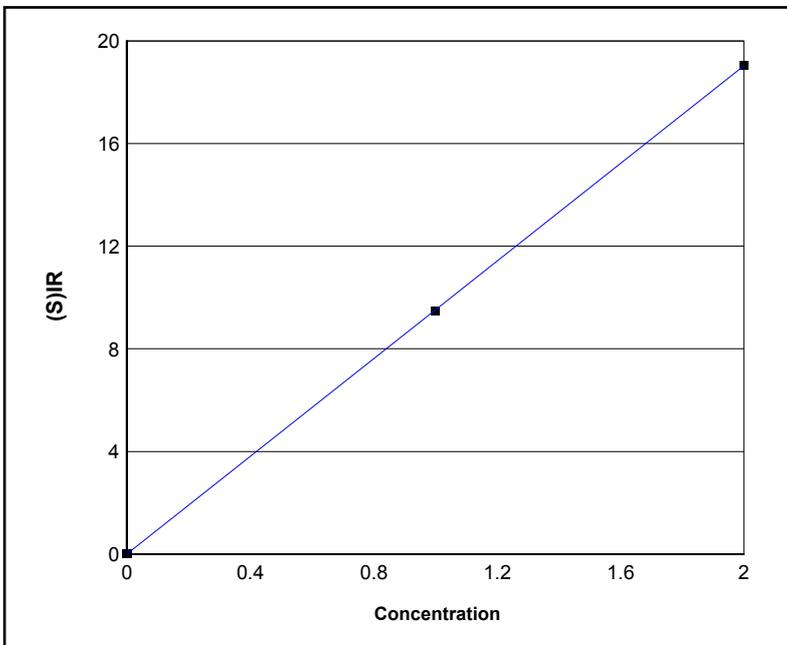
Element Name: Ba	
Element Wavelength: Ba 455.403 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): 0.0077835	
A1 (Gain): 13.299	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000000405	-0.0000000405	0.00000	0.0077830	0.00069942	1
IC-6768474	0.0020000	0.0020492	0.000049217	2.4608	0.035035	0.0011705	1
IC-6774594	1.0000	0.99133	-0.0086666	-0.86666	13.191	0.00020449	1
IC-6755031	2.0000	2.0086	0.0086174	0.43087	26.719	0.11138	1



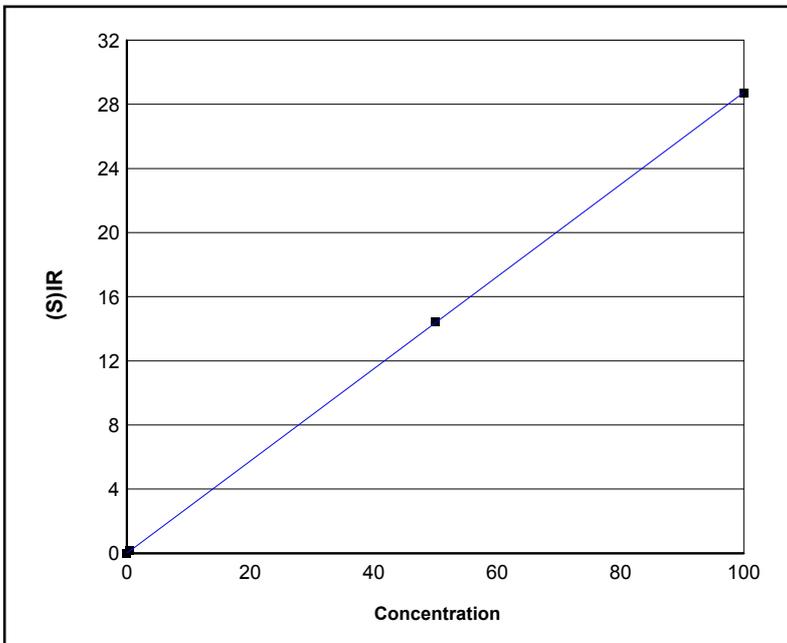
Element Name: Ba	
Element Wavelength: Ba 455.403 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99999	
A0 (Offset): 0.0018784	
A1 (Gain): 13.709	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000001280	-0.0000001280	0.00000	0.0018766	0.00014266	1
IC-6768474	0.0020000	0.0021214	0.00012143	6.0717	0.030961	0.00015908	1
IC-6774594	1.0000	1.0067	0.0067354	0.67354	13.803	0.038763	1
IC-6755031	2.0000	1.9931	-0.0068568	-0.34284	27.326	0.063425	1



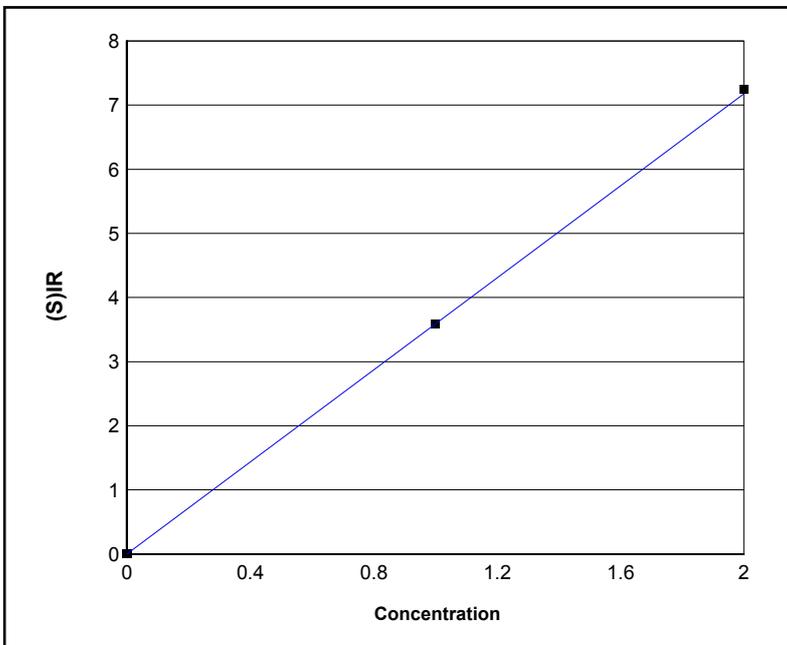
Element Name: Be	
Element Wavelength: Be 313.042 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 1.00000	
A0 (Offset): 0.0012210	
A1 (Gain): 9.5147	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000000077	-0.0000000077	0.00000	0.0012209	0.000069140	1
IC-6768474	0.0020000	0.0020095	0.0000095257	0.47628	0.020307	0.00087974	1
IC-6774594	1.0000	0.99816	-0.0018438	-0.18438	9.4916	0.017222	1
IC-6755031	2.0000	2.0018	0.0018343	0.091715	19.035	0.033458	1



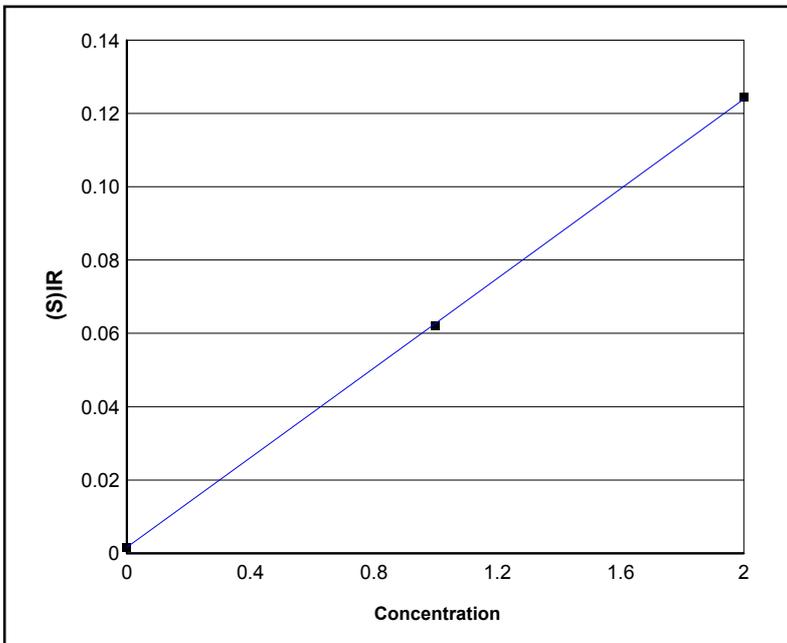
Element Name: Ca	
Element Wavelength: Ca 317.933 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 1.00000	
A0 (Offset): 0.0085064	
A1 (Gain): 0.28739	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000059228	-0.0000059228	0.00000	0.0085047	0.00081323	1
IC-6768474	0.50000	0.50547	0.0054717	1.0943	0.15377	0.00080376	1
IC-6774594	50.000	50.096	0.095684	0.19137	14.405	0.030570	1
IC-6755031	100.00	99.899	-0.10116	-0.10116	28.718	0.010077	1



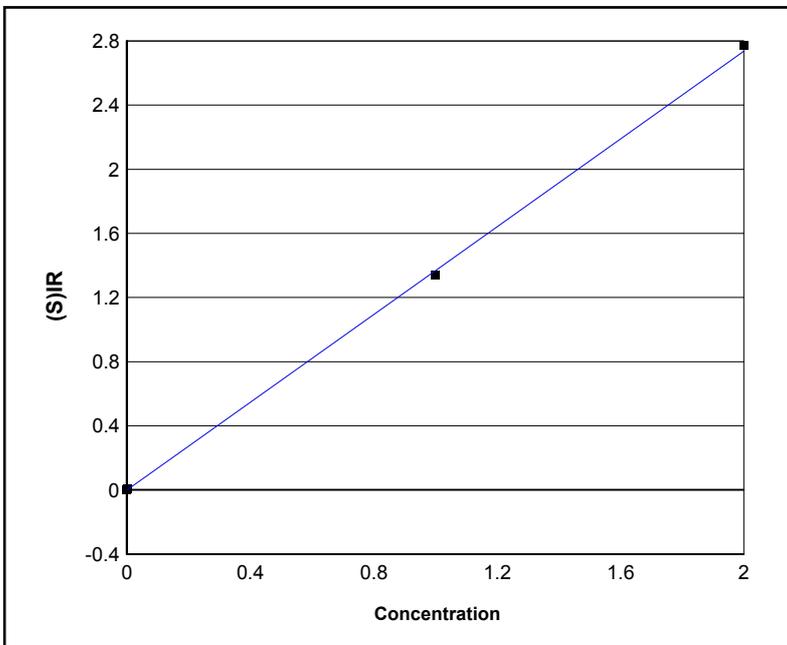
Element Name: Cd	
Element Wavelength: Cd 228.802 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): 0.0010015	
A1 (Gain): 3.5867	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000000996	0.0000000996	0.00000	0.0010018	0.00019122	1
IC-6768474	0.0020000	0.0019082	-0.000091759	-4.5880	0.0082125	0.00012965	1
IC-6774594	1.0000	0.99202	-0.0079800	-0.79800	3.5835	0.0083641	1
IC-6755031	2.0000	2.0081	0.0080758	0.40379	7.2522	0.014668	1



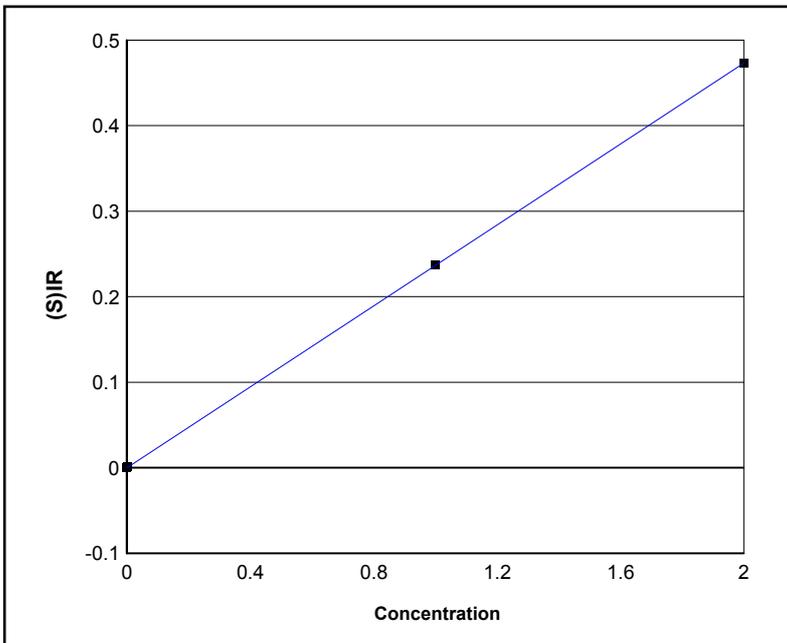
Element Name: Ce	
Element Wavelength: Ce 404.076 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 1.0000	
A0 (Offset): 0.001650	
A1 (Gain): 0.06113	
A2 (Curvature): 0.0000	
n (Exponent): 1.000	
Reslope	QC Normalize
Slope: 1.000	Slope factor: 1.000
Y Int: 0.0000	Offset: 0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.0000	0.000004935	0.000004935	0.0000	0.001650	0.0002044	1
IC-6774594	1.000	0.9901	-0.009869	-0.9869	0.06217	0.002219	1
IC-6755031	2.000	2.010	0.009869	0.4935	0.1245	0.0008351	1



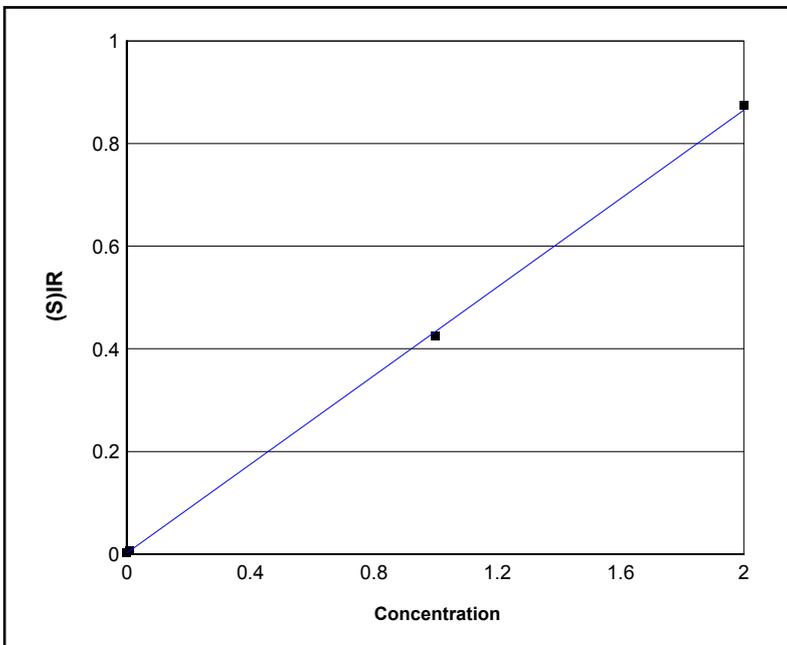
Element Name:	Co	
Element Wavelength:	Co 228.616 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99986	
A0 (Offset):	-0.000039614	
A1 (Gain):	1.3686	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000002947	0.0000002947	0.00000	-0.000039211	0.00016121	1
IC-6768474	0.0040000	0.0037512	-0.00024875	-6.2188	0.0050935	0.00017406	1
IC-6774594	1.0000	0.97678	-0.023218	-2.3218	1.3381	0.0019904	1
IC-6755031	2.0000	2.0235	0.023466	1.1733	2.7718	0.0022241	1



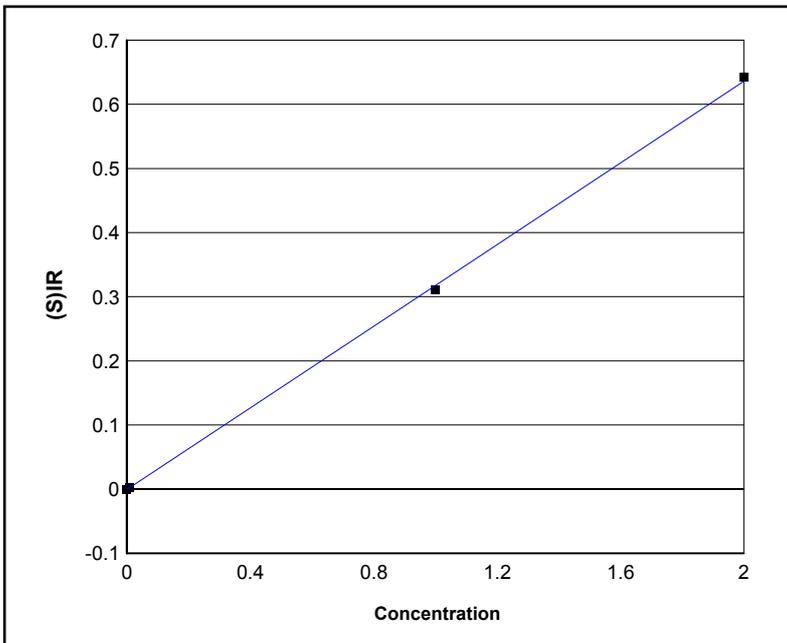
Element Name:	Cr	
Element Wavelength:	Cr 267.716 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	1.00000	
A0 (Offset):	-0.000015016	
A1 (Gain):	0.23655	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000000562	-0.0000000562	0.00000	-0.000015029	0.000095983	1
IC-6768474	0.0040000	0.0040562	0.000056197	1.4049	0.00094466	0.000052471	1
IC-6774594	1.0000	1.0001	0.000064043	0.0064043	0.23669	0.00026256	1
IC-6755031	2.0000	1.9999	-0.00012022	-0.0060108	0.47334	0.000049812	1



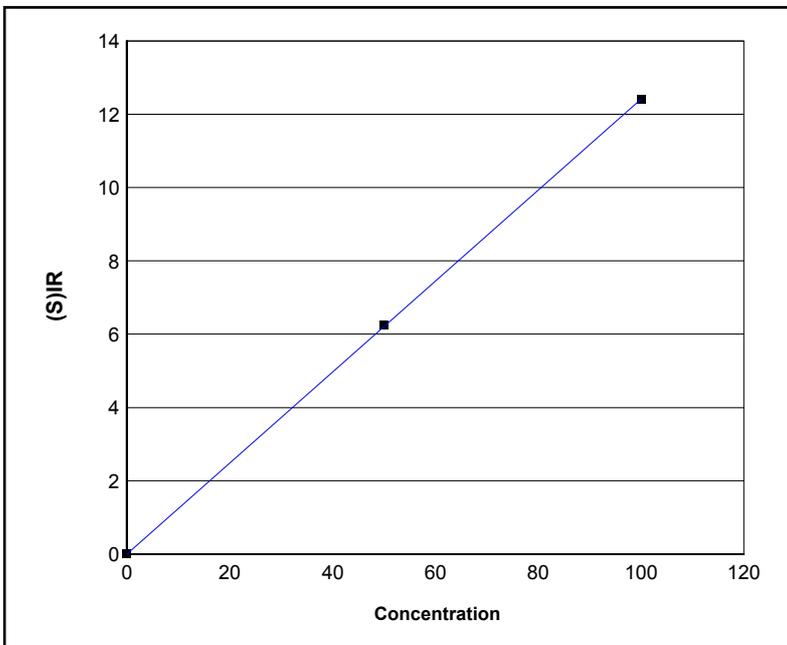
Element Name:	Cu	
Element Wavelength:	Cu 324.754 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99987	
A0 (Offset):	0.0025662	
A1 (Gain):	0.43140	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000004282	0.0000004282	0.00000	0.0025664	0.000020225	1
IC-6768474	0.010000	0.0096816	-0.00031840	-3.1840	0.0067428	0.00013375	1
IC-6774594	1.0000	0.97771	-0.022285	-2.2285	0.42435	0.00052538	1
IC-6755031	2.0000	2.0226	0.022604	1.1302	0.87511	0.00068454	1



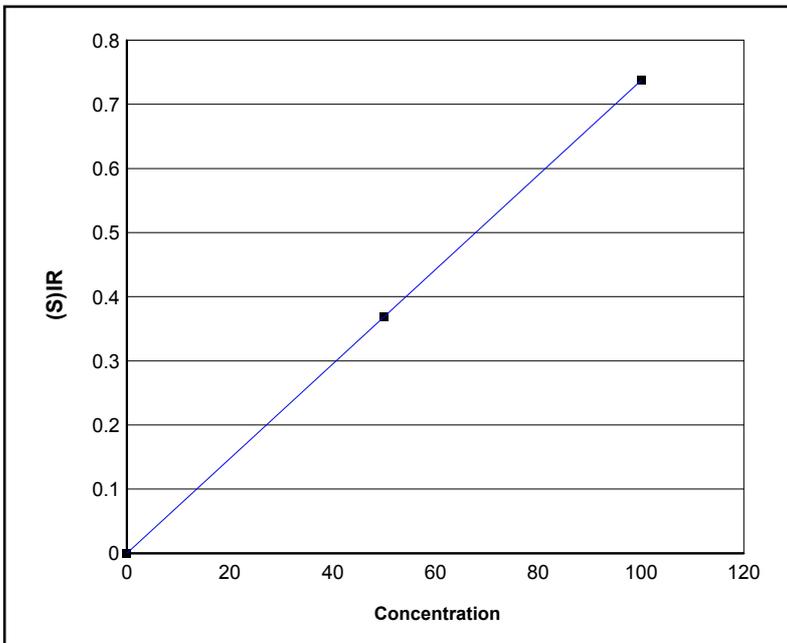
Element Name:	Cu	
Element Wavelength:	Cu 327.396 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99988	
A0 (Offset):	-0.00024573	
A1 (Gain):	0.31805	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000004568	0.0000004568	0.00000	-0.00024558	0.000069400	1
IC-6768474	0.010000	0.0096488	-0.00035120	-3.5120	0.0028243	0.000066137	1
IC-6774594	1.0000	0.97852	-0.021475	-2.1475	0.31110	0.00056970	1
IC-6755031	2.0000	2.0218	0.021826	1.0913	0.64304	0.00090817	1



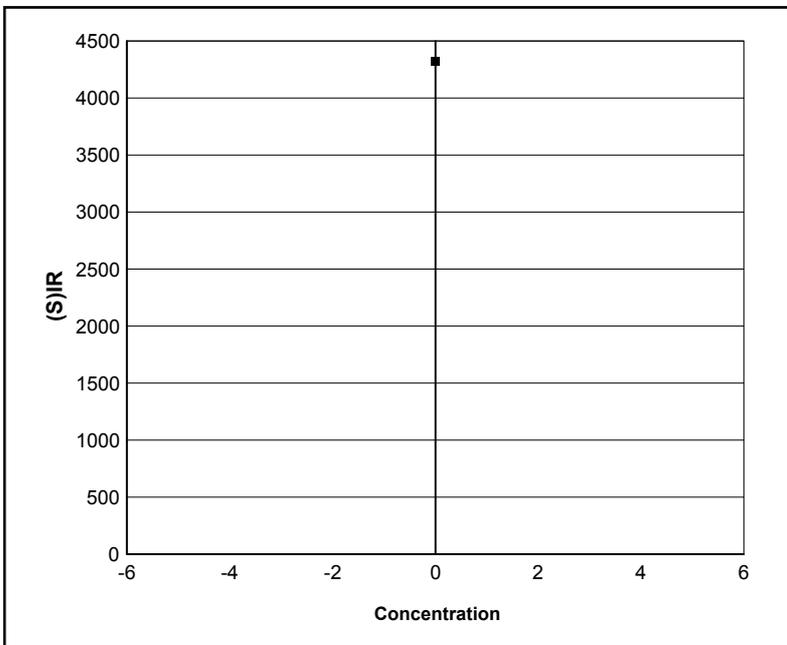
Element Name: Fe	
Element Wavelength: Fe 259.940 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 1.00000	
A0 (Offset): 0.00069329	
A1 (Gain): 0.12414	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000007375	-0.0000007375	0.00000	0.00069320	0.00012642	1
IC-6768474	0.050000	0.050628	0.00062813	1.2563	0.0069785	0.00019054	1
IC-6774594	50.025	50.244	0.21943	0.43863	6.2382	0.022630	1
IC-6755031	100.05	99.830	-0.22005	-0.21994	12.394	0.028624	1



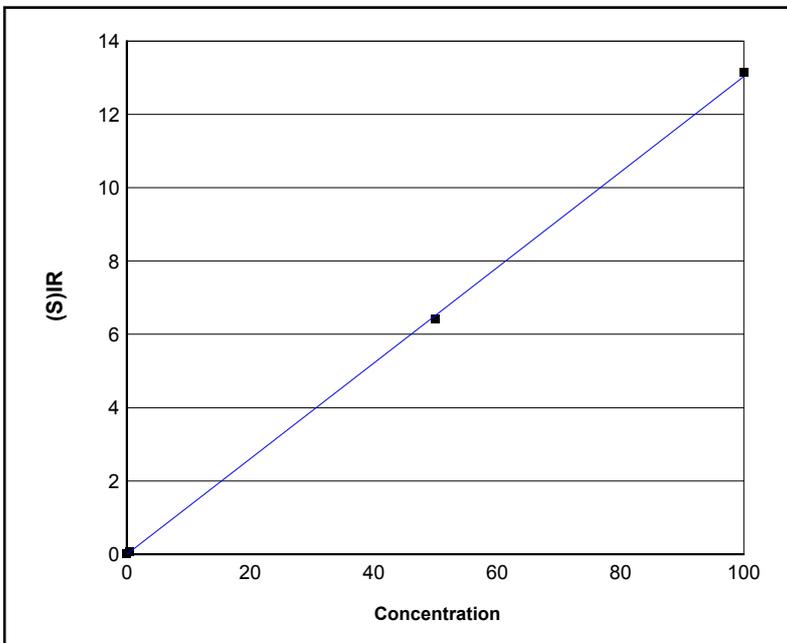
Element Name: Fe	
Element Wavelength: Fe 271.441 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99993	
A0 (Offset): 0.00026714	
A1 (Gain): 0.0073662	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.000031140	0.000031140	0.00000	0.00026737	0.00048269	1
IC-6768474	0.050000	0.018812	-0.031188	-62.375	0.00040572	0.0010158	1
IC-6774594	50.025	50.090	0.064594	0.12912	0.36924	0.00035330	1
IC-6755031	100.05	100.02	-0.033406	-0.033389	0.73701	0.0050589	1



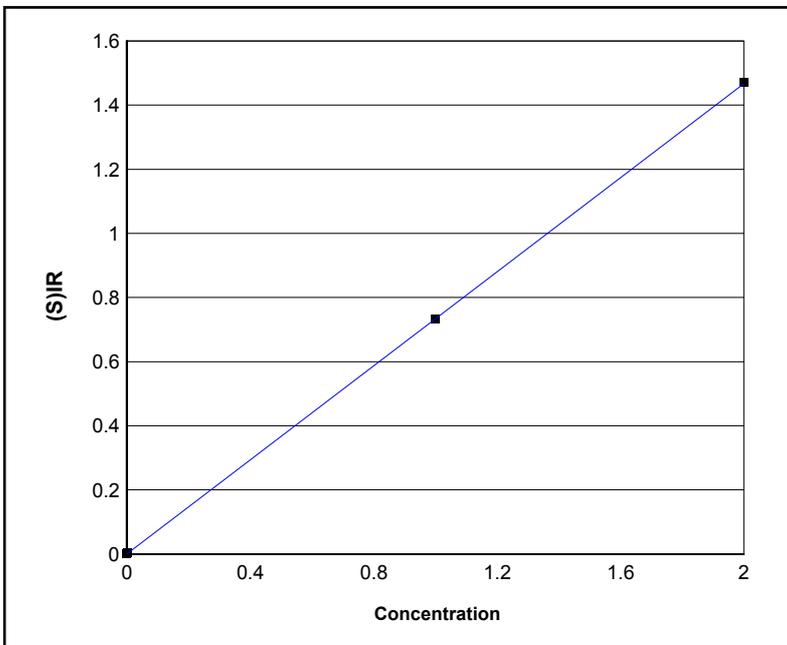
Element Name:	In
Element Wavelength:	In 230.606 nm
Concentration Units:	ppm
Date of Calibration:	11/18/2021 3:23:52PM
Date of Fit:	11/18/2021 4:27:58PM
Type of Fit:	Linear
Correlation:	0.0000
A0 (Offset):	0.0000
A1 (Gain):	0.0000
A2 (Curvature):	0.0000
n (Exponent):	1.000
Reslope	
Slope:	1.000
Y Int:	0.0000
QC Normalize	
Slope factor:	1.000
Offset:	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.0000			0.0000	4,324	0.5461	1



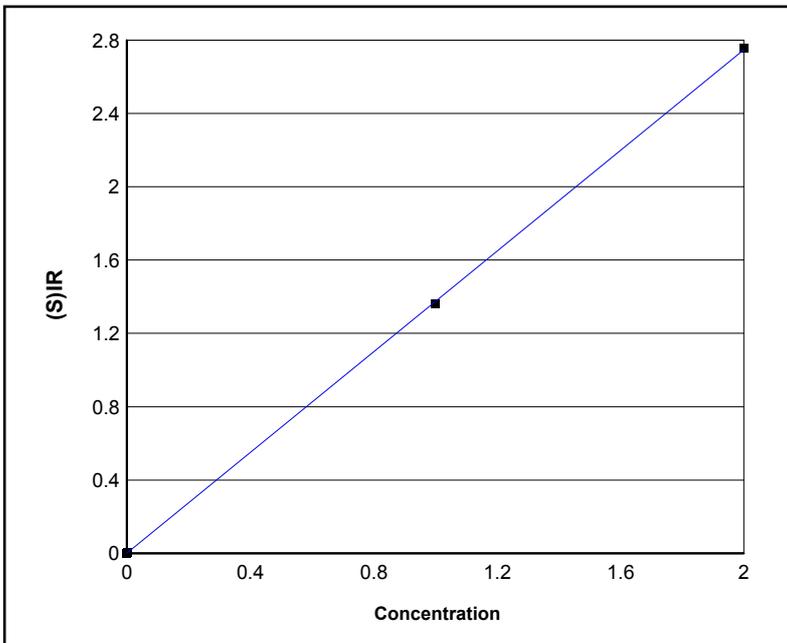
Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	11/18/2021 3:35:04PM
Date of Fit:	11/18/2021 4:27:58PM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.0057975
A1 (Gain):	0.13028
A2 (Curvature):	0.00000
n (Exponent):	1.0000
Reslope	
Slope:	1.0000
Y Int:	0.00000
QC Normalize	
Slope factor:	1.0000
Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.000033742	0.000033742	0.00000	0.0058019	0.0016253	1
IC-6768474	0.50000	0.47006	-0.029945	-5.9890	0.067035	0.00083273	1
IC-6774594	50.000	49.211	-0.78935	-1.5787	6.4168	0.035624	1
IC-6755031	100.00	100.82	0.81929	0.81929	13.140	0.0078592	1



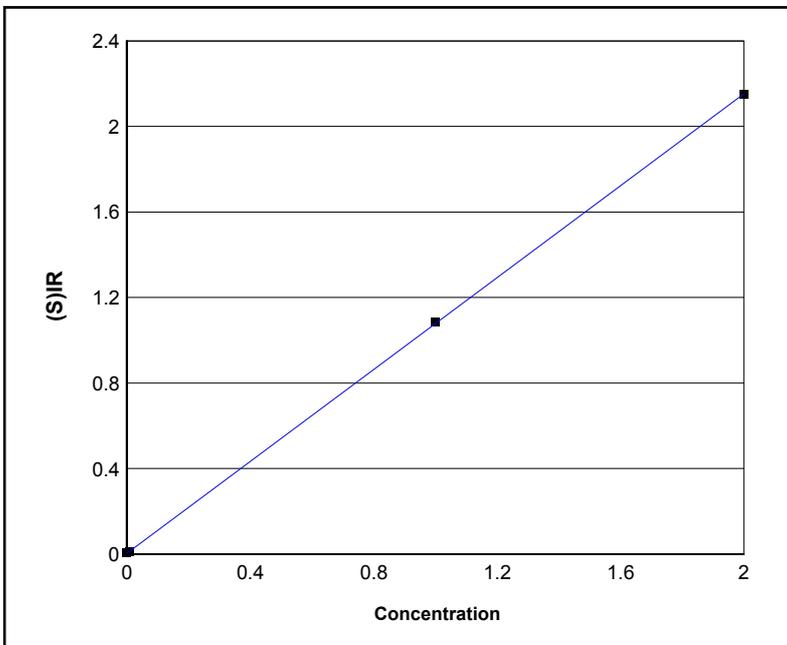
Element Name: Mn	
Element Wavelength: Mn 257.610 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 1.00000	
A0 (Offset): 0.00097020	
A1 (Gain): 0.73313	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000001612	0.0000001612	0.00000	0.00097032	0.00031818	1
IC-6768474	0.0030000	0.0028428	-0.00015717	-5.2389	0.0030550	0.000077330	1
IC-6774594	1.0000	0.99713	-0.0028652	-0.28652	0.73215	0.0021884	1
IC-6755031	2.0000	2.0030	0.0030223	0.15112	1.4697	0.0067595	1



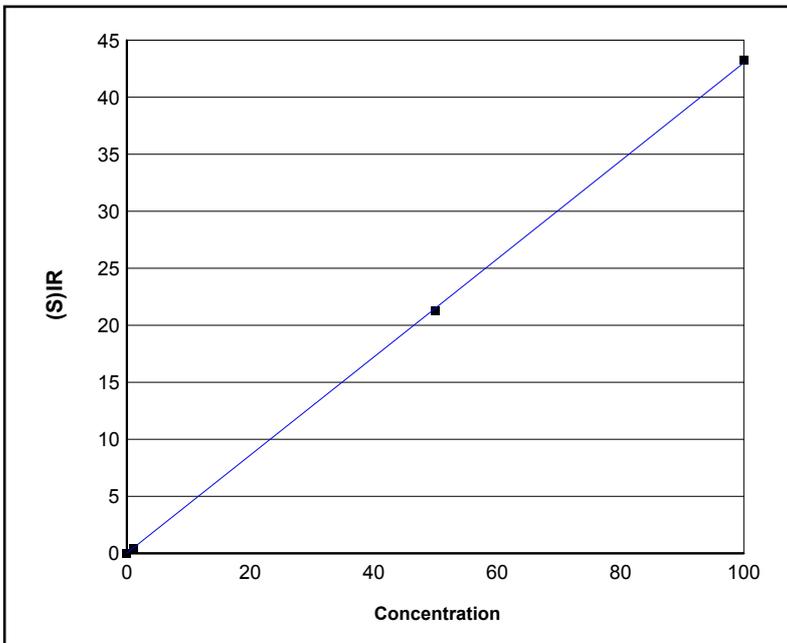
Element Name: Mn	
Element Wavelength: Mn 257.610 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): 0.00038393	
A1 (Gain): 1.3738	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000001886	-0.0000001886	0.00000	0.00038367	0.0000082453	1
IC-6768474	0.0030000	0.0032007	0.00020069	6.6896	0.0047823	0.000031307	1
IC-6774594	1.0000	0.99215	-0.0078525	-0.78525	1.3637	0.000089657	1
IC-6755031	2.0000	2.0077	0.0076518	0.38259	2.7591	0.0068717	1



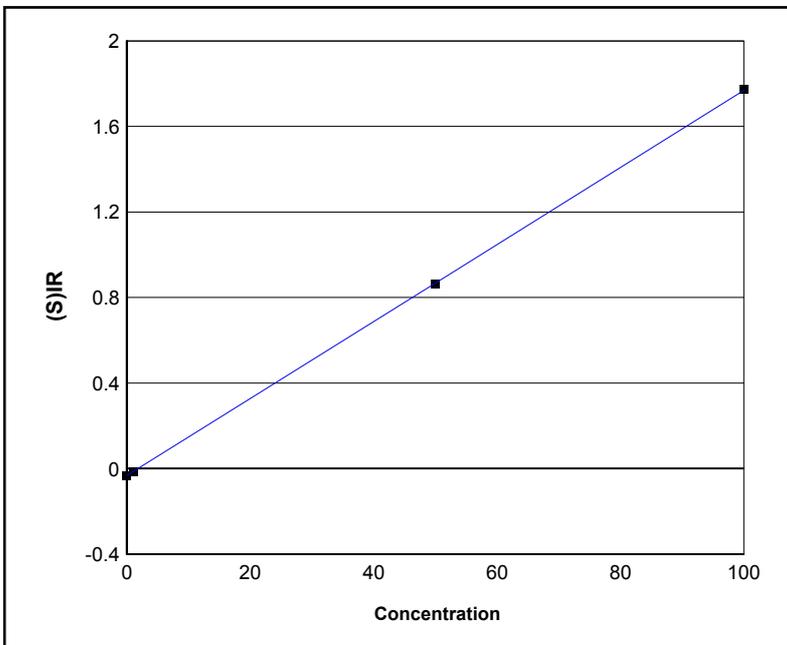
Element Name: Mo	
Element Wavelength: Mo 202.030 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99994	
A0 (Offset): 0.0043983	
A1 (Gain): 1.0741	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000018318	0.0000018318	0.00000	0.0044003	0.00028051	1
IC-6768474	0.010000	0.0081376	-0.0018624	-18.624	0.013139	0.000082304	1
IC-6774594	1.0000	1.0043	0.0042702	0.42702	1.0831	0.0031928	1
IC-6755031	2.0000	1.9976	-0.0024077	-0.12039	2.1501	0.0014934	1



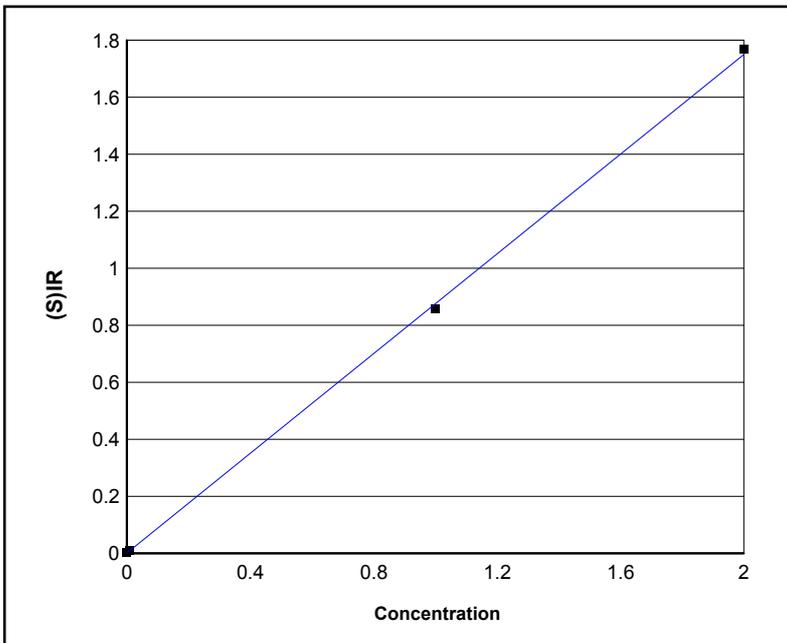
Element Name: Na	
Element Wavelength: Na 589.592 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): 0.0083497	
A1 (Gain): 0.43000	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.000017915	0.000017915	0.00000	0.0083574	0.00078313	1
IC-6768474	1.0000	0.98683	-0.013173	-1.3173	0.43269	0.0020608	1
IC-6774594	50.000	49.513	-0.48733	-0.97466	21.299	0.034165	1
IC-6755031	100.00	100.50	0.50050	0.50050	43.224	0.099407	1



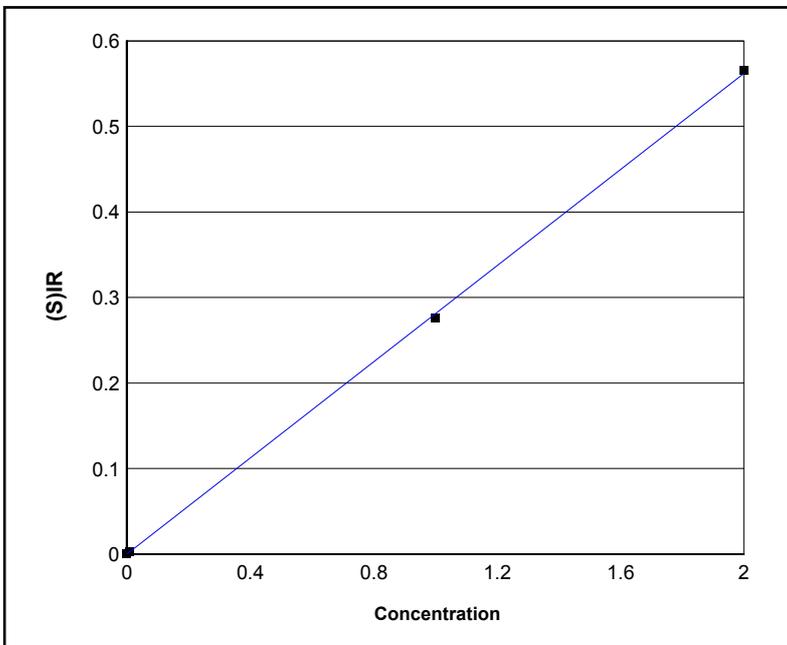
Element Name: Na	
Element Wavelength: Na 818.326 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 1.00000	
A0 (Offset): -0.032803	
A1 (Gain): 0.018019	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.00000	0.00000	0.00000	-0.032803	0.00071757	1
IC-6768474	1.0000	1.0064	0.0063578	0.63578	-0.014670	0.0034763	1
IC-6774594	50.000	49.779	-0.22063	-0.44126	0.86416	0.00022148	1
IC-6755031	100.00	100.21	0.21427	0.21427	1.7729	0.0034708	1



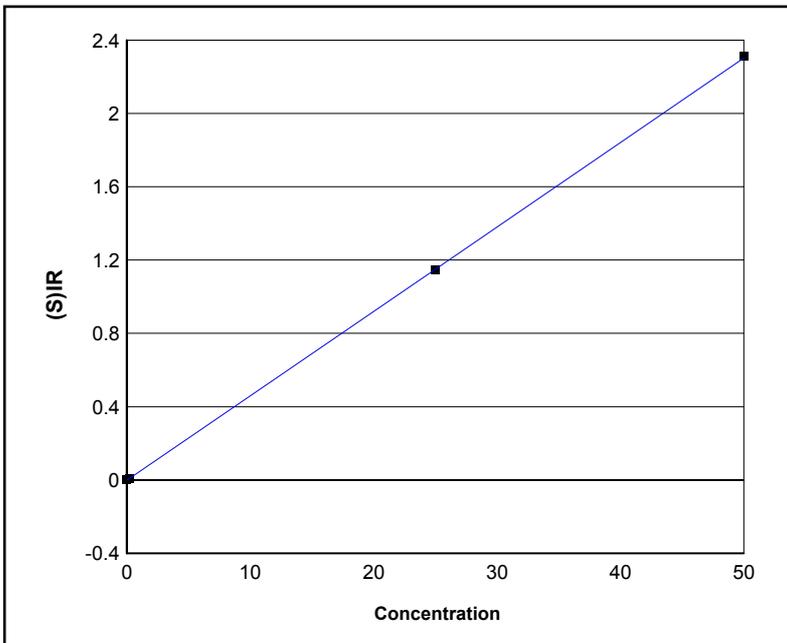
Element Name: Ni	
Element Wavelength: Ni 231.604 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99987	
A0 (Offset): 0.0013133	
A1 (Gain): 0.87423	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.00000	0.00000	0.00000	0.0013142	0.0000051223	1
IC-6768474	0.010000	0.0090692	-0.00093081	-9.3081	0.0092423	0.0000071903	1
IC-6774594	1.0000	0.97907	-0.020930	-2.0930	0.85767	0.00033698	1
IC-6755031	2.0000	2.0219	0.021860	1.0930	1.7697	0.0015946	1



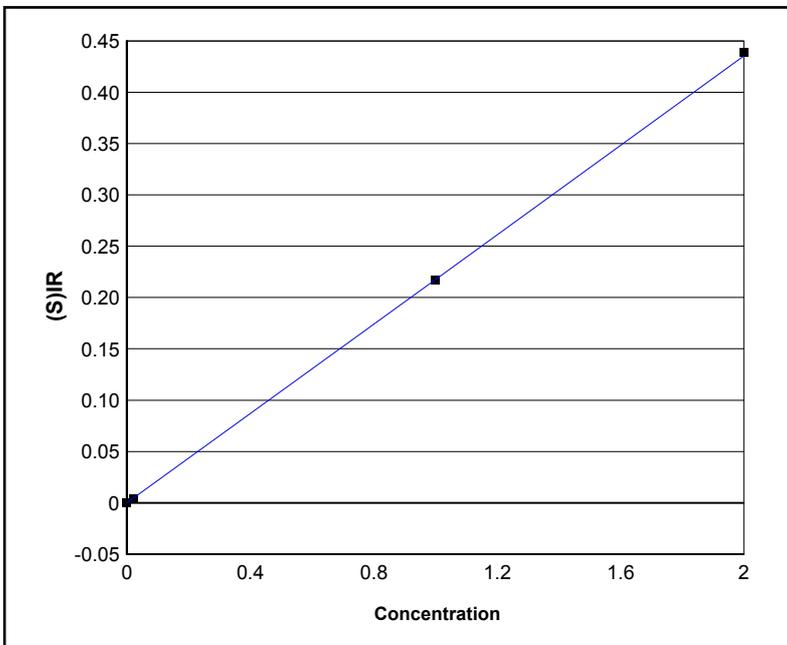
Element Name:	Pb	
Element Wavelength:	Pb 220.353 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99994	
A0 (Offset):	0.00023995	
A1 (Gain):	0.28083	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000007342	0.0000007342	0.00000	0.00024015	0.000085384	1
IC-6768474	0.010000	0.0093364	-0.00066361	-6.6361	0.0028590	0.000040589	1
IC-6774594	1.0000	0.98521	-0.014787	-1.4787	0.27658	0.00032672	1
IC-6755031	2.0000	2.0155	0.015450	0.77252	0.56556	0.00068168	1



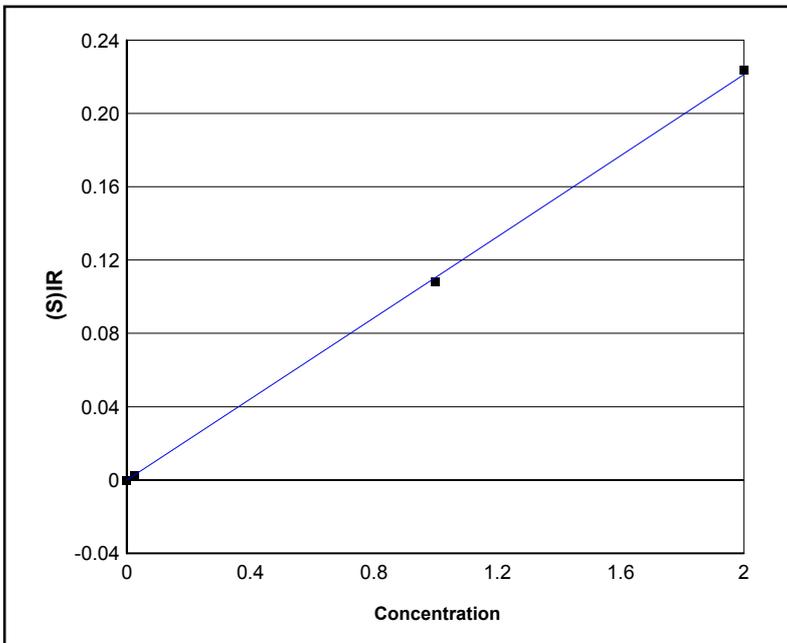
Element Name:	S	
Element Wavelength:	S 182.034 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	1.0000	
A0 (Offset):	-0.0003656	
A1 (Gain):	0.04604	
A2 (Curvature):	0.0000	
n (Exponent):	1.000	
	Reslope	QC Normalize
Slope:	1.000	Slope factor: 1.000
Y Int:	0.0000	Offset: 0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.0000	0.00002054	0.00002054	0.0000	-0.0003647	0.00006784	1
IC-6768474	0.2000	0.1800	-0.01998	-9.992	0.007923	0.0002522	1
IC-6774594	25.00	24.84	-0.1597	-0.6389	1.143	0.003051	1
IC-6755031	50.00	50.18	0.1797	0.3594	2.310	0.008822	1



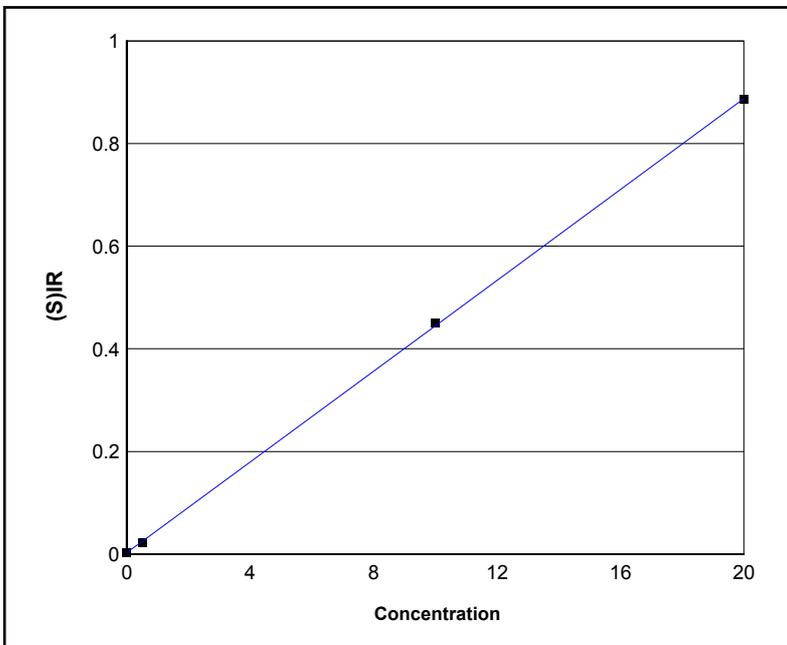
Element Name: Sb	
Element Wavelength: Sb 206.833 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): -0.000073068	
A1 (Gain): 0.21766	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000011165	0.0000011165	0.00000	-0.000072825	0.000060562	1
IC-6768474	0.020000	0.018946	-0.0010541	-5.2707	0.0040588	0.000048145	1
IC-6774594	1.0000	0.99272	-0.0072841	-0.72841	0.21706	0.00042245	1
IC-6755031	2.0000	2.0083	0.0083351	0.41675	0.43917	0.0011782	1



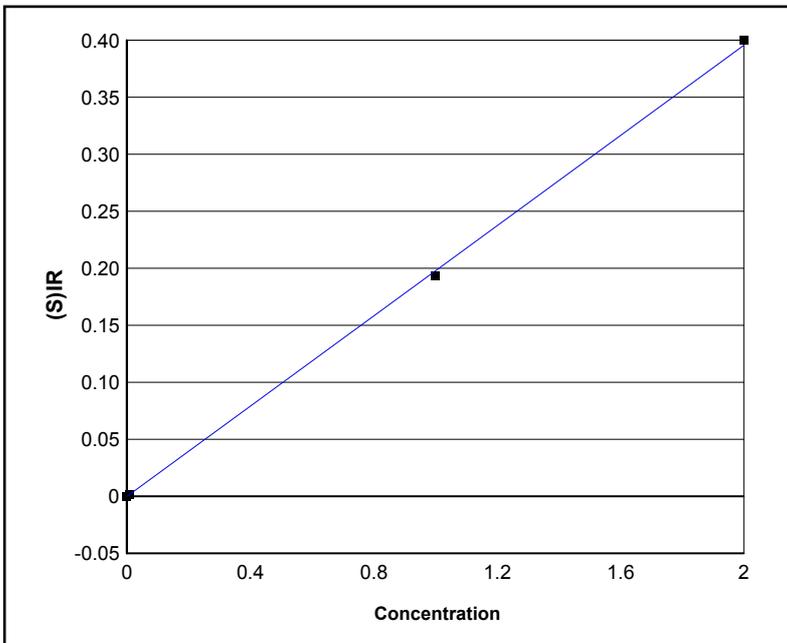
Element Name: Se	
Element Wavelength: Se 196.090 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99985	
A0 (Offset): -0.00011428	
A1 (Gain): 0.11068	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000019240	0.0000019240	0.00000	-0.00011407	0.000016881	1
IC-6768474	0.025000	0.023333	-0.0016671	-6.6683	0.0024675	0.00023004	1
IC-6774594	1.0000	0.97778	-0.022222	-2.2222	0.10794	0.00088371	1
IC-6755031	2.0000	2.0239	0.023891	1.1945	0.22356	0.0010441	1



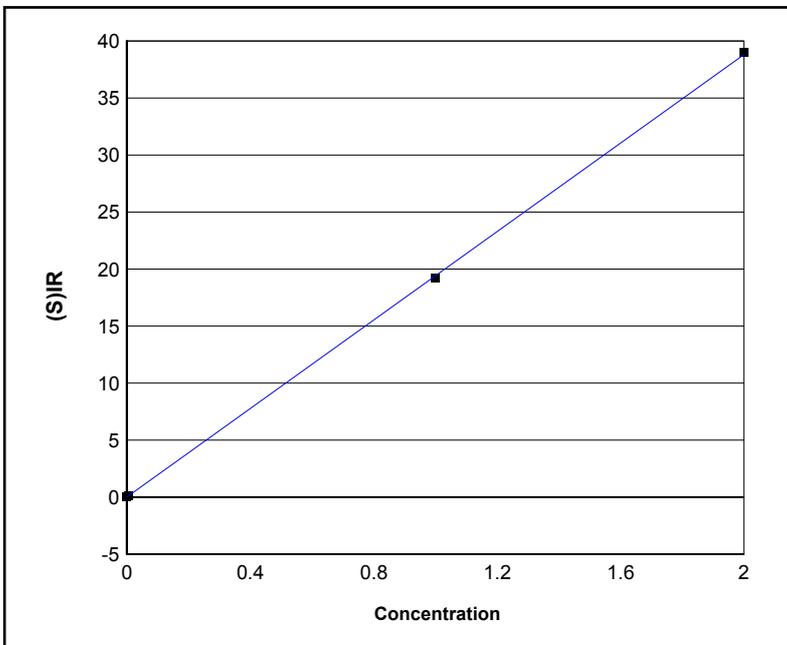
Element Name:	Si	
Element Wavelength:	Si 288.158 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99992	
A0 (Offset):	0.0029107	
A1 (Gain):	0.044233	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.000039514	0.000039514	0.00000	0.0029125	0.00041563	1
IC-6768474	0.50000	0.45699	-0.043011	-8.6022	0.023125	0.00051091	1
IC-6774594	10.000	10.097	0.096891	0.96891	0.44953	0.0054201	1
IC-6755031	20.000	19.946	-0.053880	-0.26940	0.88519	0.0029358	1



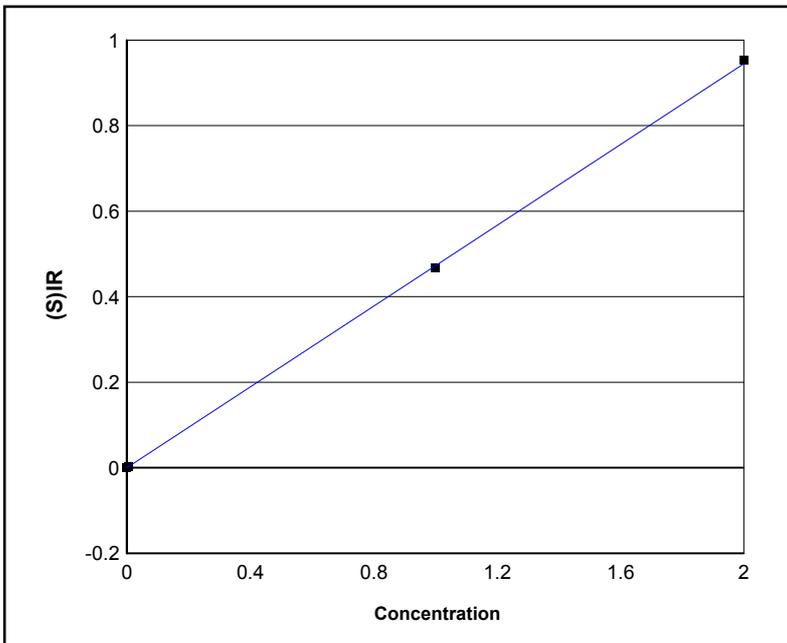
Element Name:	Sn	
Element Wavelength:	Sn 189.989 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99988	
A0 (Offset):	-0.000036038	
A1 (Gain):	0.19779	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000009536	0.0000009536	0.00000	-0.000035850	0.000021375	1
IC-6768474	0.010000	0.0091467	-0.00085329	-8.5329	0.0017731	0.000057157	1
IC-6774594	1.0000	0.97908	-0.020918	-2.0918	0.19362	0.00054674	1
IC-6755031	2.0000	2.0218	0.021772	1.0886	0.39986	0.00019077	1



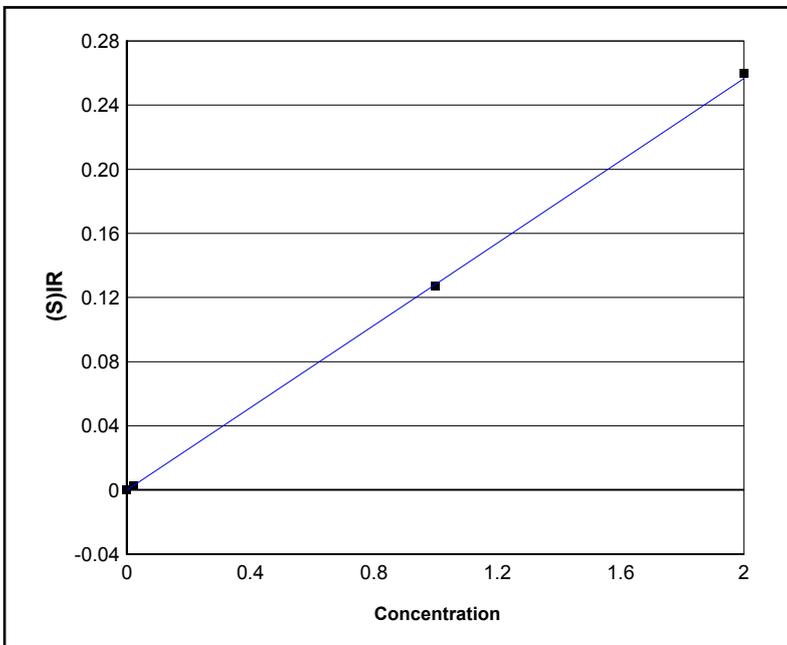
Element Name:	Sr	
Element Wavelength:	Sr 407.771 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	-0.0020750	
A1 (Gain):	19.404	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)/IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000000023	0.0000000023	0.00000	-0.0020749	0.00027692	1
IC-6768474	0.0050000	0.0050269	0.000026938	0.53875	0.095467	0.00043846	1
IC-6774594	1.0000	0.98832	-0.011677	-1.1677	19.175	0.044485	1
IC-6755031	2.0000	2.0116	0.011650	0.58249	39.032	0.091406	1



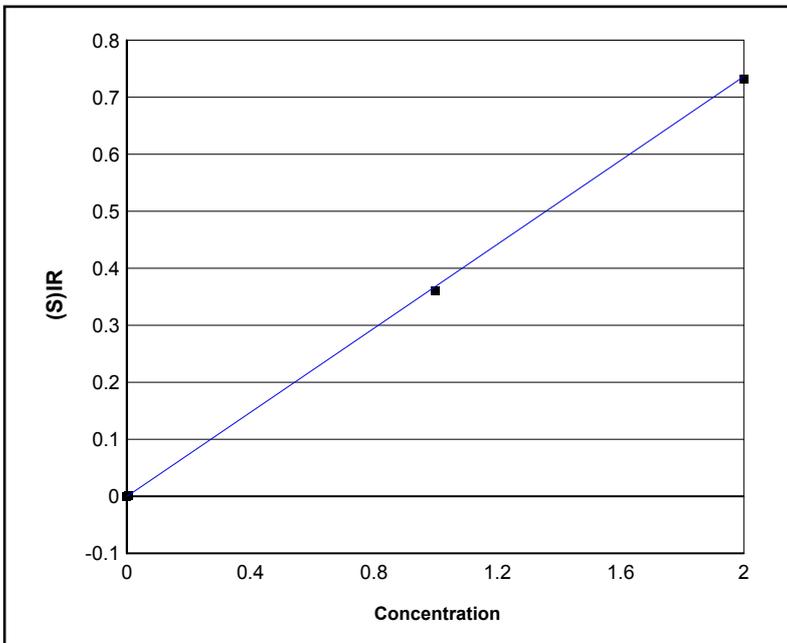
Element Name:	Ti	
Element Wavelength:	Ti 334.904 nm	
Concentration Units:	ppm	
Date of Calibration:	11/18/2021 3:35:04PM	
Date of Fit:	11/18/2021 4:27:58PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	-0.00010650	
A1 (Gain):	0.47258	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)/IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000004017	0.0000004017	0.00000	-0.00010631	0.000026674	1
IC-6768474	0.0050000	0.0046268	-0.00037323	-7.4646	0.0020873	0.000037944	1
IC-6774594	1.0000	0.98826	-0.011741	-1.1741	0.46772	0.00042097	1
IC-6755031	2.0000	2.0121	0.012115	0.60576	0.95236	0.0017913	1



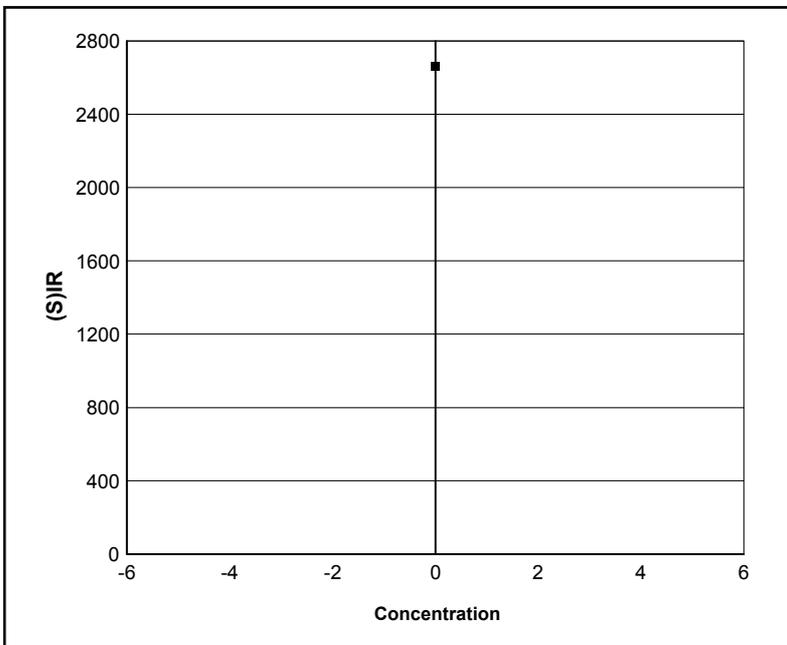
Element Name: TI	
Element Wavelength: TI 190.856 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99993	
A0 (Offset): -0.000028183	
A1 (Gain): 0.12831	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.00000	17002	0.00000	0.00000	17002	1
IC-6768474	0.020000	0.018427	-0.0015734	-7.8672	0.0023384	0.000065398	1
IC-6774594	1.0000	0.98576	-0.014243	-1.4243	0.12701	0.000059715	1
IC-6755031	2.0000	2.0158	0.015811	0.79055	0.25973	0.00015877	1



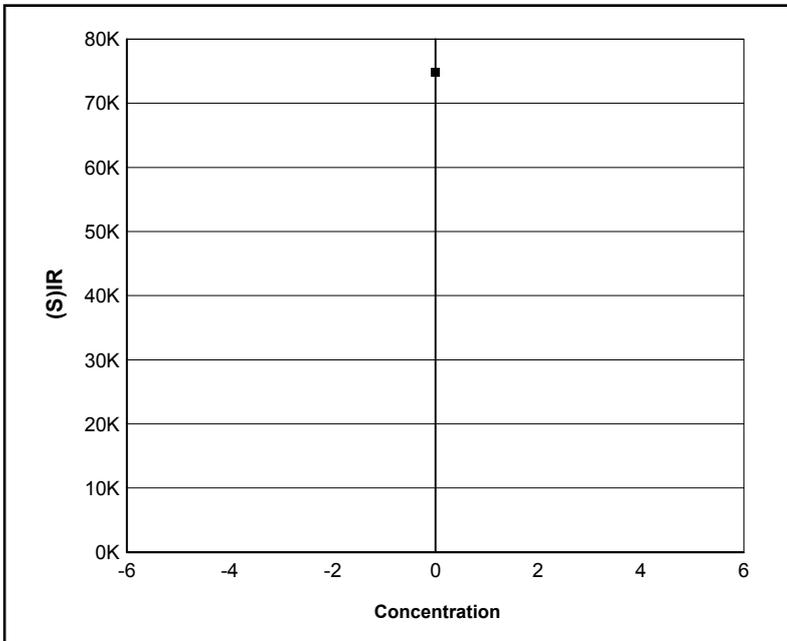
Element Name: V	
Element Wavelength: V 292.402 nm	
Concentration Units: ppm	
Date of Calibration: 11/18/2021 3:35:04PM	
Date of Fit: 11/18/2021 4:27:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): -0.00015914	
A1 (Gain): 0.36819	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.00000	3654	0.00000	-0.00015900	0.0000030050	1
IC-6768474	0.0050000	0.0046547	-0.00034535	-6.9069	0.0015108	0.000022292	1
IC-6774594	1.0000	0.99166	-0.0083440	-0.83440	0.36105	0.00051222	1
IC-6755031	2.0000	2.0087	0.0086847	0.43424	0.73159	0.00060842	1



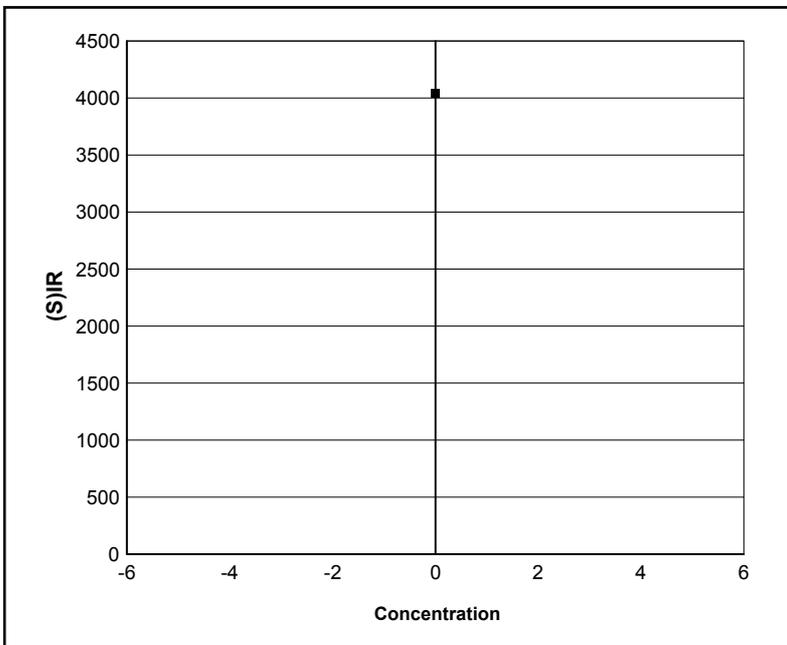
Element Name:	Y		
Element Wavelength:	Y 224.306 nm		
Concentration Units:	ppm		
Date of Calibration:	11/18/2021 3:23:52PM		
Date of Fit:	11/18/2021 4:27:58PM		
Type of Fit:	Linear		
Correlation:	0.0000		
A0 (Offset):	0.0000		
A1 (Gain):	0.0000		
A2 (Curvature):	0.0000		
n (Exponent):	1.000		
Reslope QC Normalize			
Slope:	1.000	Slope factor:	1.000
Y Int:	0.0000	Offset:	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.0000			0.0000	2,663	2.350	1



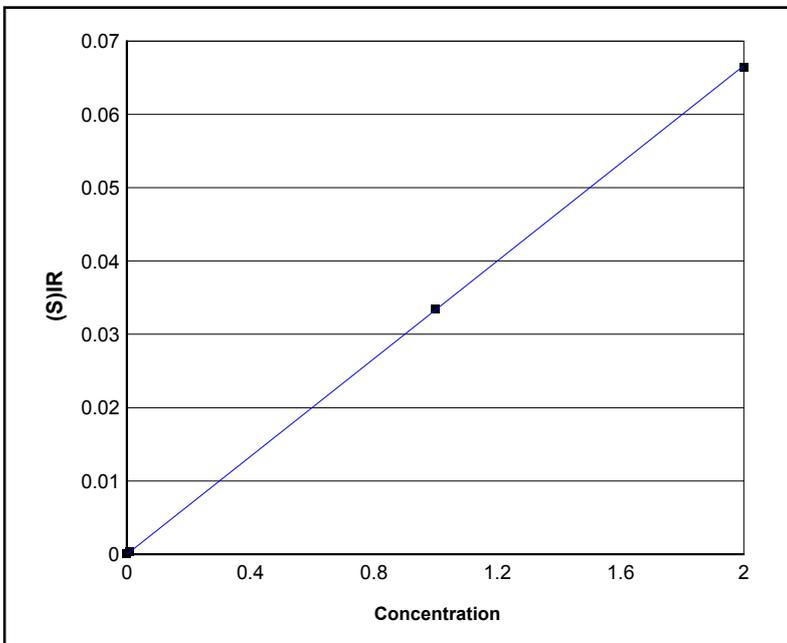
Element Name:	Y		
Element Wavelength:	Y 360.073 nm		
Concentration Units:	ppm		
Date of Calibration:	11/18/2021 3:23:52PM		
Date of Fit:	11/18/2021 4:27:58PM		
Type of Fit:	Linear		
Correlation:	0.0000		
A0 (Offset):	0.0000		
A1 (Gain):	0.0000		
A2 (Curvature):	0.0000		
n (Exponent):	1.000		
Reslope QC Normalize			
Slope:	1.000	Slope factor:	1.000
Y Int:	0.0000	Offset:	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.0000			0.0000	74,810	276.0	1



Element Name:	Y		
Element Wavelength:	Y 377.433 nm		
Concentration Units:	ppm		
Date of Calibration:	11/18/2021 3:23:52PM		
Date of Fit:	11/18/2021 4:27:58PM		
Type of Fit:	Linear		
Correlation:	0.0000		
A0 (Offset):	0.0000		
A1 (Gain):	0.0000		
A2 (Curvature):	0.0000		
n (Exponent):	1.000		
Reslope QC Normalize			
Slope:	1.000	Slope factor:	1.000
Y Int:	0.0000	Offset:	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.0000			0.0000	4,041	22.95	1



Element Name:	Zn		
Element Wavelength:	Zn 206.200 nm		
Concentration Units:	ppm		
Date of Calibration:	11/18/2021 3:35:04PM		
Date of Fit:	11/18/2021 4:27:58PM		
Type of Fit:	Linear		
Correlation:	0.99999		
A0 (Offset):	0.000026839		
A1 (Gain):	0.033308		
A2 (Curvature):	0.00000		
n (Exponent):	1.0000		
Reslope QC Normalize			
Slope:	1.0000	Slope factor:	1.0000
Y Int:	0.00000	Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
ICIS-6785149	0.00000	0.0000000073	-0.0000000073	0.00000	0.000026839	0.0000049587	1
IC-6768474	0.010000	0.0099815	-0.000018452	-0.18452	0.00035911	0.0000004437	1
IC-6774594	1.0000	1.0051	0.0051310	0.51310	0.033456	0.0000028700	1
IC-6755031	2.0000	1.9949	-0.0051125	-0.25563	0.066374	0.00014722	1

Sample Name: ICIS-6785149 Acquired: 11/18/2021 15:20:01 Type: Cal
Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00025	.00116	-.00007	.00242	.00778	.00188	.00122
Stddev	.00001	.00010	.00030	.00013	.00070	.00014	.00007
%RSD	2.8113	8.9331	431.01	5.3696	8.9865	7.6020	5.6631

#1	-.00025	.00109	.00014	.00233	.00828	.00198	.00127
#2	-.00026	.00123	-.00029	.00251	.00729	.00178	.00117

Elem	Ca3179	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00850	.00100	.0017	-.00004	-.00002	-.00025	.00069
Stddev	.00081	.00019	.0002	.00016	.00010	.00007	.00013
%RSD	9.5622	19.087	12.39	411.13	638.66	28.260	18.236

#1	.00908	.00087	.0015	.00007	.00005	-.00029	.00060
#2	.00793	.00114	.0018	-.00015	-.00008	-.00020	.00078

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576-2	Mn2576	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00027	.00580	-.00485	-.00002	.00097	.00038	.00440
Stddev	.00048	.00163	.00010	.00002	.00032	.00001	.00028
%RSD	180.53	28.013	2.1383	126.17	32.792	2.1491	6.3749

#1	-.00007	.00695	-.00492	-.00004	.00120	.00039	.00460
#2	.00061	.00465	-.00478	-.00000	.00075	.00038	.00420

Elem	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00836	-.03280	.00131	.00024	-.0004	-.00007	-.00011
Stddev	.00078	.00072	.00001	.00009	.0001	.00006	.00002
%RSD	9.3705	2.1875	.38977	35.554	18.60	83.161	14.799

#1	.00780	-.03230	.00132	.00018	-.0003	-.00012	-.00010
#2	.00891	-.03331	.00131	.00030	-.0004	-.00003	-.00013

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00291	-.00004	-.00207	-.00011	-.00003	-.00016	.00003
Stddev	.00042	.00002	.00028	.00003	.00005	.00000	.00000
%RSD	14.271	59.623	13.346	25.090	192.84	1.8899	18.476

#1	.00321	-.00002	-.00227	-.00013	.00001	-.00016	.00002
#2	.00262	-.00005	-.00188	-.00009	-.00007	-.00016	.00003

Sample Name: ICIS-6785149 Acquired: 11/18/2021 15:20:01 Type: Cal

Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4324.4	2663.1	74811.	4041.3
Stddev	.5	2.4	276.	23.0
%RSD	.01263	.08825	.36888	.56794
#1	4324.8	2661.4	75006.	4057.5
#2	4324.1	2664.8	74616.	4025.1

Sample Name: IC-6768474 Acquired: 11/18/2021 15:23:55 Type: Cal
Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00175	.00751	.00122	.01597	.03504	.03096	.02031
Stddev	.00009	.00048	.00019	.00018	.00117	.00016	.00088
%RSD	5.1213	6.4234	15.624	1.1320	3.3408	.51382	4.3322

#1	.00169	.00785	.00135	.01584	.03421	.03107	.02093
#2	.00181	.00717	.00108	.01610	.03586	.03085	.01969

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3273	Fe2599	Fe2714
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.15377	.00821	.00509	.00094	.00282	.00698	.00041
Stddev	.00080	.00013	.00017	.00005	.00007	.00019	.00102
%RSD	.52270	1.5787	3.4174	5.5545	2.3417	2.7304	250.36

#1	.15434	.00830	.00497	.00091	.00278	.00684	.00112
#2	.15320	.00812	.00522	.00098	.00287	.00711	-.00031

Elem	K_7664	Li6707	Mg2790	Mn2576-2	Mn2576	Mo2020	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.06703	.07529	.00487	.00305	.00478	.01314	.43269
Stddev	.00083	.00295	.00011	.00008	.00003	.00008	.00206
%RSD	1.2422	3.9130	2.2937	2.5313	.65464	.62641	.47628

#1	.06645	.07321	.00479	.00311	.00480	.01320	.43123
#2	.06762	.07738	.00495	.00300	.00476	.01308	.43415

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.01467	.00924	.00286	.0079	.00406	.00247	.02312
Stddev	.00348	.00001	.00004	.0003	.00005	.00023	.00051
%RSD	23.697	.07780	1.4197	3.183	1.1862	9.3230	2.2093

#1	-.01221	.00925	.00283	.0081	.00402	.00230	.02349
#2	-.01713	.00924	.00289	.0077	.00409	.00263	.02276

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00177	.09547	.00209	.00234	.00151	.00036
Stddev	.00006	.00044	.00004	.00007	.00002	.00000
%RSD	3.2235	.45928	1.8179	2.7968	1.4755	.12355

#1	.00181	.09578	.00211	.00229	.00153	.00036
#2	.00173	.09516	.00206	.00238	.00150	.00036

Sample Name: IC-6768474 Acquired: 11/18/2021 15:23:55 Type: Cal

Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4299.4	2653.3	74390.	4001.6
Stddev	1.6	2.1	158.	2.9
%RSD	.03793	.07878	.21178	.07161
#1	4300.5	2651.8	74279.	4003.7
#2	4298.2	2654.7	74501.	3999.6

Sample Name: IC-6774594 Acquired: 11/18/2021 15:27:49 Type: Cal
Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.33259	1.6352	.11501	.74515	13.191	13.803	9.4916
Stddev	.00095	.0065	.00067	.00053	.000	.039	.0172
%RSD	.28477	.40025	.58429	.07061	.00155	.28083	.18145

#1	.33326	1.6306	.11549	.74553	13.191	13.831	9.4794
#2	.33192	1.6398	.11454	.74478	13.191	13.776	9.5038

Elem	Ca3179	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	14.405	3.5835	.0622	1.3381	.23669	.31110	6.2382
Stddev	.031	.0084	.0022	.0020	.00026	.00057	.0226
%RSD	.21221	.23340	3.569	.14875	.11093	.18313	.36276

#1	14.384	3.5894	.0606	1.3395	.23688	.31150	6.2222
#2	14.427	3.5776	.0637	1.3367	.23650	.31069	6.2542

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576-2	Mn2576	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.36924	6.4168	2.8064	1.2687	.73215	1.3637	1.0831
Stddev	.00035	.0356	.0135	.0003	.00219	.0001	.0032
%RSD	.09568	.55517	.47924	.02247	.29889	.00657	.29478

#1	.36899	6.3916	2.7969	1.2689	.73060	1.3638	1.0808
#2	.36949	6.4420	2.8159	1.2685	.73370	1.3636	1.0854

Elem	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	21.299	.86416	.85767	.27658	1.143	.21706	.10794
Stddev	.034	.00022	.00034	.00033	.003	.00042	.00088
%RSD	.16041	.02563	.03929	.11813	.2668	.19463	.81868

#1	21.275	.86431	.85791	.27681	1.146	.21736	.10857
#2	21.323	.86400	.85743	.27635	1.141	.21676	.10732

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.44953	.19362	19.175	.46772	.12701	.36105	.03346
Stddev	.00542	.00055	.044	.00042	.00006	.00051	.00000
%RSD	1.2057	.28238	.23199	.09000	.04702	.14187	.00858

#1	.44570	.19401	19.144	.46801	.12705	.36141	.03345
#2	.45336	.19323	19.207	.46742	.12696	.36068	.03346

Sample Name: IC-6774594 Acquired: 11/18/2021 15:27:49 Type: Cal

Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3702.6	2550.0	69248.	3919.2
Stddev	9.0	3.4	112.	11.2
%RSD	.24342	.13138	.16107	.28639
#1	3709.0	2552.4	69169.	3927.1
#2	3696.2	2547.6	69327.	3911.2

Sample Name: IC-6755031 Acquired: 11/18/2021 15:31:28 Type: Cal
Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.69285	3.2927	.23829	1.4657	26.719	27.326	19.035
Stddev	.00064	.0073	.00108	.0043	.111	.063	.033
%RSD	.09278	.22213	.45284	.29014	.41685	.23211	.17578

#1	.69240	3.2979	.23905	1.4687	26.798	27.281	19.011
#2	.69331	3.2875	.23753	1.4627	26.641	27.371	19.058

Elem	Ca3179	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	28.718	7.2522	.1245	2.7718	.47334	.64304	12.394
Stddev	.010	.0147	.0008	.0022	.00005	.00091	.029
%RSD	.03509	.20226	.6707	.08024	.01052	.14123	.23095

#1	28.725	7.2626	.1251	2.7703	.47330	.64240	12.374
#2	28.711	7.2418	.1239	2.7734	.47337	.64368	12.414

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576-2	Mn2576	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.73701	13.140	5.7962	2.6068	1.4697	2.7591	2.1501
Stddev	.00506	.008	.0011	.0078	.0068	.0069	.0015
%RSD	.68641	.05981	.01834	.29964	.45991	.24906	.06946

#1	.73343	13.146	5.7970	2.6013	1.4650	2.7543	2.1490
#2	.74059	13.135	5.7955	2.6124	1.4745	2.7640	2.1511

Elem	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	43.224	1.7729	1.7697	.56556	2.310	.43917	.22356
Stddev	.099	.0035	.0016	.00068	.009	.00118	.00104
%RSD	.22998	.19577	.09011	.12053	.3819	.26828	.46702

#1	43.294	1.7754	1.7686	.56604	2.316	.44001	.22430
#2	43.154	1.7705	1.7709	.56508	2.304	.43834	.22283

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.88519	.39986	39.032	.95236	.25973	.73159	.06637
Stddev	.00294	.00019	.091	.00179	.00016	.00061	.00015
%RSD	.33166	.04771	.23418	.18809	.06113	.08316	.22181

#1	.88311	.39999	39.096	.95110	.25984	.73116	.06627
#2	.88727	.39973	38.967	.95363	.25961	.73203	.06648

Sample Name: IC-6755031 Acquired: 11/18/2021 15:31:28 Type: Cal
 Method: ICAP1 New Stds (v1008) Mode: IR Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3477.0	2522.0	67703.	3983.1
Stddev	.9	5.3	5.	1.2
%RSD	.02501	.20820	.00809	.03113
#1	3477.6	2518.3	67706.	3983.9
#2	3476.4	2525.7	67699.	3982.2

Sample Name: ICV-6771259 Acquired: 11/18/2021 15:35:08 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.72704	35.851	.71447	.72738	.71296	.73225	36.987
Stddev	.00004	.195	.00698	.00311	.00440	.00099	.012
%RSD	.00590	.54419	.97722	.42751	.61673	.13503	.03168
#1	.72707	35.989	.71941	.72958	.71607	.73295	36.979
#2	.72701	35.713	.70954	.72519	.70985	.73155	36.995

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.71528	.0394	.71415	.73210	W .69039	37.650	36.089
Stddev	.00275	.0088	.00060	.00325	.00096	.137	.156
%RSD	.38514	22.26	.08371	.44458	.13968	.36288	.43269
#1	.71723	.0456	.71457	.72979	.69108	37.747	36.199
#2	.71333	.0332	.71373	.73440	.68971	37.554	35.978

Check ? **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Warn** **Chk Pass** **Chk Pass**
 Value
 Range **.75000**
 -5.0000%

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2136
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	W .70316	36.652	.74167	.75819	35.796	.72213	z *****
Stddev	.00369	.154	.00144	.00103	.179	.00071	-----
%RSD	.52532	.41892	.19353	.13597	.49921	.09773	-----
#1	.70577	36.543	.74066	.75892	35.923	.72163	z 8265.
#2	.70055	36.760	.74269	.75746	35.670	.72263	z 8289.

Check ? **Chk Warn** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None
 Value
 Range **.75000**
 -5.0000%

Sample Name: ICV-6771259 Acquired: 11/18/2021 15:35:08 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.72787	18.07	.75880	W .70219	7.4112	W .70736	.71585
Stddev	.00352	.09	.00374	.00052	.0244	.00018	.00439
%RSD	.48381	.4752	.49339	.07438	.32873	.02516	.61319
#1	.73036	18.14	.76145	.70256	7.3940	.70749	.71895
#2	.72538	18.01	.75616	.70182	7.4284	.70724	.71274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
Value				.75000		.75000	
Range				-5.0000%		-5.0000%	

Elem	Th2837	Ti3349	Ti1908	V_2924	Zn2062	Zr3438
Units	Cts/S	ppm	ppm	ppm	ppm	Cts/S
Avg	z *****	.72570	.73225	.72522	.74710	z *****
Stddev	-----	.00119	.00298	.00185	.00480	-----
%RSD	-----	.16369	.40690	.25479	.64200	-----
#1	z 114.8	.72486	.73436	.72392	.74371	z 492.2
#2	z 115.8	.72654	.73015	.72653	.75049	z 487.5

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3764.3	2595.5	69965.	3999.8
Stddev	17.0	13.8	156.	23.4
%RSD	.45046	.53207	.22334	.58623
#1	3752.3	2585.7	70075.	4016.4
#2	3776.3	2605.3	69854.	3983.2

Sample Name: ICB-6785149 Acquired: 11/18/2021 15:38:49 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.01153	.00063	.00128	.00013	-.00011	-.00332	.00001
Stddev	.00040	.00412	.00033	.00036	.00002	.00003	.00396	.00003
%RSD	173.74	35.730	52.430	28.375	14.472	24.797	119.23	274.94
#1	-.00005	-.00862	.00086	.00154	.00011	-.00009	-.00052	.00004
#2	.00051	-.01444	.00040	.00103	.00014	-.00013	-.00613	-.00001

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0164	.00006	-.00021	.00000	.00319	.05960	.00062	-.00192
Stddev	.0296	.00005	.00012	.00034	.00238	.00823	.00007	.00046
%RSD	180.9	81.640	56.160	8714.1	74.658	13.816	11.592	24.119
#1	.0373	.00003	-.00029	-.00024	.00488	.06542	.00067	-.00225
#2	-.0046	.00009	-.00013	.00025	.00151	.05377	.00057	-.00159

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	-.00001	.00469	.00585	-.00039	z *****	.00026	-.0037	-.00069
Stddev	.00002	.00087	.00301	.00007	----	.00030	.0034	.00131
%RSD	140.74	18.607	51.392	16.889	----	116.80	91.13	190.39
#1	-.00000	.00531	.00797	-.00044	z 135.9	.00004	-.0013	.00024
#2	-.00003	.00407	.00372	-.00035	z 135.2	.00047	-.0061	-.00161

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB-6785149 Acquired: 11/18/2021 15:38:49 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00135	-.02504	.00027	-.00002	z *****	.00001	-.00011	-.00023
Stddev	.00131	.01388	.00016	.00009	----	.00006	.00065	.00000
%RSD	97.426	55.422	59.757	462.32	----	646.30	610.12	1.7917
#1	.00042	-.03485	.00015	.00004	z 94.10	-.00003	.00035	-.00023
#2	.00228	-.01523	.00038	-.00008	z 92.20	.00005	-.00057	-.00023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00012	z *****
Stddev	.00025	----
%RSD	205.47	----
#1	-.00030	z 348.5
#2	.00006	z 338.0

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4382.0	2718.1	74973.	4017.1
Stddev	7.5	6.2	241.	20.8
%RSD	.17160	.22867	.32115	.51704
#1	4376.6	2713.7	74803.	4002.4
#2	4387.3	2722.5	75143.	4031.7

Sample Name: ICVL-6768474 Acquired: 11/18/2021 15:42:43 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00575	.16839	.01219	.01903	.00212	.00192	.51197	.00204
Stddev	.00039	.01364	.00087	.00028	.00000	.00001	.00128	.00007
%RSD	6.8292	8.1008	7.1685	1.4515	.06072	.56427	.25026	3.3198
#1	.00547	.17803	.01281	.01884	.00212	.00193	.51287	.00209
#2	.00603	.15874	.01157	.01923	.00212	.00191	.51106	.00199

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.00389	.00415	.00951	.05109	.49460	.02821	.19084
Stddev	.0464	.00004	.00020	.00011	.00096	.01194	.00030	.00042
%RSD	422.6	.98678	4.7298	1.1393	1.8798	2.4142	1.0467	.22155
#1	-.0218	.00387	.00428	.00943	.05177	.48615	.02800	.19114
#2	.0438	.00392	.00401	.00959	.05041	.50304	.02842	.19055

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00328	.00946	.96368	.00905	z *****	.00946	.1758	.01992
Stddev	.00005	.00015	.00295	.00002	----	.00074	.0029	.00102
%RSD	1.6338	1.6186	.30614	.17519	----	7.8241	1.638	5.1192
#1	.00331	.00956	.96159	.00904	z 137.8	.00999	.1738	.02064
#2	.00324	.00935	.96577	.00907	z 137.7	.00894	.1779	.01920

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: ICVL-6768474 Acquired: 11/18/2021 15:42:43 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02201	.46243	.00890	.00488	z *****	.00463	.01853	.00469
Stddev	.00282	.02606	.00002	.00002	----	.00025	.00130	.00011
%RSD	12.811	5.6362	.22897	.48065	----	5.3763	6.9913	2.2383
#1	.02400	.48086	.00892	.00489	z 93.00	.00446	.01761	.00462
#2	.02002	.44400	.00889	.00486	z 93.00	.00481	.01944	.00477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01023	z *****
Stddev	.00043	----
%RSD	4.2316	----
#1	.00992	z 341.5
#2	.01053	z 351.1

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4285.2	2664.0	74199.	3972.6
Stddev	4.2	2.9	28.	7.0
%RSD	.09904	.11031	.03789	.17666
#1	4282.2	2661.9	74179.	3967.6
#2	4288.2	2666.1	74219.	3977.5

Sample Name: ICSA-6731637 Acquired: 11/18/2021 15:46:37 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00129	503.09	W -0.01729	-0.00017	.01354	-0.00007
Stddev	.00026	2.16	.00347	.00038	.00007	.00004
%RSD	20.141	.42908	20.080	223.72	.51911	65.996

#1	-0.00111	504.62	-0.01483	-0.00043	.01359	-0.00010
#2	-0.00148	501.57	-0.01974	.00010	.01349	-0.00004

Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.01500			
Low Limit			-.01500			

Elem	Ca3179	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	470.46	.00058	.0915	.00014	-.00248	.00021
Stddev	2.24	.00007	.0295	.00019	.00002	.00002
%RSD	.47623	12.689	32.25	134.64	.76486	7.4842

#1	468.87	.00053	.1123	.00027	-.00249	.00020
#2	472.04	.00063	.0706	.00001	-.00246	.00022

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	188.11	.06842	.00319	496.96	.00027	-.00295
Stddev	.07	.00206	.00036	1.74	.00006	.00009
%RSD	.03495	3.0109	11.220	.35054	22.068	2.8893

#1	188.15	.06987	.00345	498.19	.00022	-.00289
#2	188.06	.06696	.00294	495.72	.00031	-.00301

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA-6731637 Acquired: 11/18/2021 15:46:37 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.04405	.00294	z *****	-.00262	W -.2197	-.00125
Stddev	.00475	.00003	----	.00066	.0030	.00267
%RSD	10.791	1.0625	----	25.152	1.383	213.60

#1	.04069	.00292	z 606.5	-.00309	-.2219	-.00313
#2	.04741	.00296	z 603.9	-.00215	-.2176	.00064

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass
High Limit					.2000	
Low Limit					-.2000	

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Units	ppm	ppm	ppm	ppm	Cts/S	ppm
Avg	.00186	-.00782	-.00295	.01303	z *****	.00194
Stddev	.00162	.00106	.00032	.00003	----	.00011
%RSD	86.850	13.523	10.888	.25991	----	5.5208

#1	.00300	-.00857	-.00318	.01306	z 158.0	.00201
#2	.00072	-.00707	-.00273	.01301	z 160.5	.00186

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass
High Limit						
Low Limit						

Elem	Ti1908	V_2924	Zn2062	Zr3438
Units	ppm	ppm	ppm	Cts/S
Avg	.00077	-.00161	.00077	z *****
Stddev	.00067	.00006	.00009	----
%RSD	87.202	3.9346	11.693	----

#1	.00030	-.00156	.00083	z 358.8
#2	.00125	-.00165	.00070	z 357.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Sample Name: ICSA-6731637 Acquired: 11/18/2021 15:46:37 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3187.9	2340.7	63688.	3822.1
Stddev	.5	2.1	21.	24.4
%RSD	.01677	.09097	.03230	.63848
#1	3188.3	2342.2	63674.	3804.9
#2	3187.5	2339.2	63703.	3839.4

Sample Name: ICSAB-6743474 Acquired: 11/18/2021 15:50:35 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52741	496.29	.48781	4.7115	.51565	.24921	469.72	.51557
Stddev	.00182	2.09	.00195	.0349	.00258	.00228	8.61	.00121
%RSD	.34424	.42139	.39920	.74060	.49977	.91323	1.8333	.23492
#1	.52869	494.81	.48643	4.6868	.51747	.24760	463.63	.51471
#2	.52613	497.77	.48918	4.7361	.51383	.25082	475.81	.51642

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0849	.49591	.49180	.50238	191.17	5.3205	.00247	515.89
Stddev	.0001	.00306	.00030	.00034	3.18	.0483	.00063	4.65
%RSD	.1087	.61725	.06088	.06778	1.6655	.90704	25.655	.90219
#1	.0849	.49807	.49201	.50262	188.91	5.2864	.00292	519.18
#2	.0850	.49374	.49159	.50214	193.42	5.3547	.00202	512.60

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None None **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.49332	.48905	5.1721	.49491	z *****	.49458	-.2378	.49825
Stddev	.00142	.00242	.0142	.00261	----	.00658	.0010	.00492
%RSD	.28763	.49391	.27404	.52748	----	1.3308	.4027	.98680
#1	.49432	.48734	5.1621	.49676	z 2558.	.49923	-.2372	.49477
#2	.49231	.49075	5.1821	.49307	z 2559.	.48992	-.2385	.50173

Check ? **Chk Pass** None None **Chk Pass** None **Chk Pass** None **Chk Pass**
 Value
 Range

Sample Name: ICSAB-6743474 Acquired: 11/18/2021 15:50:35 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.47966	4.7513	.48765	.50088	z *****	.49848	.49177	.49206
Stddev	.00445	.0850	.00597	.00099	----	.00098	.00004	.00162
%RSD	.92711	1.7881	1.2245	.19676	----	.19715	.00901	.32917
#1	.47652	4.6912	.49187	.50018	z 158.6	.49918	.49174	.49320
#2	.48281	4.8113	.48343	.50157	z 161.4	.49779	.49181	.49091

Check ?	Chk Pass	Chk Pass	None	None	None	None	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.47821	z *****
Stddev	.00285	----
%RSD	.59651	----
#1	.47619	z 361.9
#2	.48023	z 373.0

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3156.8	2350.9	62190.	3726.3
Stddev	12.7	.2	146.	125.8
%RSD	.40155	.00775	.23436	3.3754
#1	3147.8	2350.7	62087.	3815.3
#2	3165.8	2351.0	62293.	3637.4

Sample Name: ICEX1 Acquired: 11/18/2021 15:54:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00045	-.08212	4.7205	.00391	.00001
Stddev	.00025	.02066	.0243	.00022	.00000
%RSD	54.733	25.159	.51379	5.7134	4.5407
#1	.00028	-.06751	4.7376	.00407	.00001
#2	.00063	-.09673	4.7033	.00375	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00138	.01902	-.00001	.0353	.00026
Stddev	.00006	.00055	.00012	.0302	.00003
%RSD	4.3898	2.9056	1716.7	85.55	10.009
#1	.00142	.01941	-.00009	.0139	.00024
#2	.00133	.01863	.00008	.0567	.00028

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00100	24.920	.01395	.04866	-.00010
Stddev	.00000	.018	.00546	.03287	.00027
%RSD	.27328	.07420	39.125	67.554	267.89
#1	.00100	24.934	.01009	.02541	.00009
#2	.00100	24.907	.01781	.07190	-.00029

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: ICEX1 Acquired: 11/18/2021 15:54:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00676	.00010	-.00194	.00261	-.00009
Stddev	.00160	.00005	.00026	.00106	.00014
%RSD	23.632	49.533	13.326	40.375	152.48
#1	.00789	.00014	-.00176	.00336	-.00019
#2	.00563	.00007	-.00212	.00187	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm
Avg	^ *****	.00198	-.0032	.00126	.00143
Stddev	-----	.00046	.0010	.00017	.00229
%RSD	-----	23.088	31.63	13.739	160.16
#1	^ -----	.00166	-.0040	.00114	-.00019
#2	^ -----	.00231	-.0025	.00138	.00305

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.01041	.00051	.00001	z *****	.00026
Stddev	.00320	.00047	.00010	-----	.00009
%RSD	30.691	91.873	707.74	-----	35.597
#1	-.00815	.00084	.00008	z 90.30	.00033
#2	-.01267	.00018	-.00005	z 92.40	.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: ICEX1 Acquired: 11/18/2021 15:54:28 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00956	4.9183	.00065	z *****
Stddev	.00072	.0035	.00053	-----
%RSD	7.5082	.07098	81.667	-----

#1	.00905	4.9208	.00103	z 333.5
#2	.01006	4.9158	.00028	z 336.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4302.4	2696.8	74744.	3992.1
Stddev	2.1	3.0	297.	22.2
%RSD	.04956	.11093	.39707	.55533

#1	4300.9	2694.7	74534.	4007.8
#2	4303.9	2699.0	74954.	3976.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.489%	101.27%	99.911%	98.782%
Range				

Sample Name: ICEX2 Acquired: 11/18/2021 15:58:31 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00317	-.01049	.00351	.00253	.00009
Stddev	.00009	.01024	.00024	.00026	.00000
%RSD	2.9511	97.578	6.8248	10.153	2.3653
#1	.00323	-.00325	.00334	.00271	.00009
#2	.00310	-.01773	.00368	.00235	.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00051	.01023	.00030	.0088	-.00320
Stddev	.00004	.00150	.00017	.0028	.00038
%RSD	8.1878	14.646	57.034	31.35	11.837
#1	-.00048	.00917	.00041	.0108	-.00347
#2	-.00054	.01129	.00018	.0069	-.00294

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00058	-.00417	.00533	.02796	9.4165
Stddev	.00029	.00026	.00023	.01962	.0195
%RSD	49.878	6.1160	4.2478	70.170	.20689
#1	.00038	-.00399	.00517	.01409	9.4027
#2	.00079	-.00435	.00549	.04183	9.4303

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: ICEX2 Acquired: 11/18/2021 15:58:31 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.04170	.00016	-0.00078	.01289	.00554
Stddev	.00154	.00001	.00027	.00445	.00049
%RSD	3.6930	5.0287	35.120	34.544	8.7574
#1	-0.04279	.00017	-0.00059	.01604	.00520
#2	-0.04061	.00016	-0.00098	.00975	.00588

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.00353	-0.0384	-0.00197	.00020
Stddev	-----	.00069	.0046	.00054	.00160
%RSD	-----	19.528	12.08	27.459	785.37
#1	z 155.2	-0.00402	-0.0417	-0.00236	-0.00093
#2	z 154.6	-0.00304	-0.0351	-0.00159	.00133

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	49.726	-0.00090	-0.00001	z *****	20.110
Stddev	.582	.00030	.00003	-----	.102
%RSD	1.1714	33.615	480.99	-----	.50498
#1	49.314	-0.00069	-0.00003	z 92.37	20.181
#2	50.137	-0.00111	.00002	z 94.00	20.038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: ICEX2 Acquired: 11/18/2021 15:58:31 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	20.140	-0.00424	.00178	z *****
Stddev	.028	.00011	.00026	-----
%RSD	.13908	2.5591	14.734	-----

#1	20.120	-0.00431	.00159	z 660.1
#2	20.159	-0.00416	.00197	z 610.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4031.8	2654.9	70895.	3850.2
Stddev	9.6	3.7	36.	45.7
%RSD	.23873	.13892	.05032	1.1864

#1	4038.6	2657.5	70920.	3882.5
#2	4025.0	2652.2	70870.	3817.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.234%	99.690%	94.766%	95.271%
Range				

Sample Name: ICEX3 Acquired: 11/18/2021 16:02:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00229	.03080	.00369	.00131	-0.00002
Stddev	.00007	.00306	.00060	.00000	.00000
%RSD	3.2081	9.9403	16.323	.20395	26.890
#1	-0.00234	.02863	.00412	.00131	-0.00002
#2	-0.00224	.03296	.00326	.00130	-0.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	.00792	.00012	.0159	.00032
Stddev	.00002	.00115	.00004	.0106	.00007
%RSD	22.319	14.492	29.593	66.70	21.289
#1	-0.00007	.00711	.00015	.0084	.00027
#2	-0.00009	.00873	.00010	.0234	.00037

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00196	.00061	.00618	.02705	.00164
Stddev	.00033	.00021	.00109	.00019	.00080
%RSD	16.790	33.783	17.656	.68933	48.895
#1	.00173	.00075	.00696	.02719	.00108
#2	.00219	.00046	.00541	.02692	.00221

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: ICEX3 Acquired: 11/18/2021 16:02:27 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576-2	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}2	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.01912	50.616	-0.00540	.00468	-0.00014
Stddev	.00102	.177	.00015	.00174	.00005
%RSD	5.3330	.34986	2.7350	37.209	38.940
#1	-0.01840	50.741	-0.00551	.00345	-0.00010
#2	-0.01984	50.491	-0.00530	.00591	-0.00017

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00590	93.53	-0.00415	.00029
Stddev	-----	.00033	.22	.00072	.00243
%RSD	-----	5.6754	.2325	17.399	850.09
#1	z 149.8	.00567	93.37	-0.00364	-0.00143
#2	z 149.1	.00614	93.68	-0.00466	.00200

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.01116	-0.00052	-0.00001	z *****	-0.00339
Stddev	.00622	.00075	.00003	-----	.00031
%RSD	55.782	146.11	216.23	-----	9.2028
#1	.01556	-0.00105	-0.00003	z 89.84	-0.00361
#2	.00676	.00002	.00001	z 91.41	-0.00317

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: ICEX3 Acquired: 11/18/2021 16:02:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00539	.00006	.00094	z *****
Stddev	.00015	.00012	.00009	-----
%RSD	2.7747	191.42	10.045	-----

#1	.00529	-.00002	.00088	z 335.4
#2	.00550	.00015	.00101	z 343.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4292.2	2706.0	74278.	3928.0
Stddev	2.5	.6	124.	24.2
%RSD	.05742	.02373	.16671	.61583

#1	4290.4	2705.6	74191.	3910.9
#2	4293.9	2706.5	74366.	3945.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.254%	101.61%	99.288%	97.197%
Range				

Sample Name: ICEX4 Acquired: 11/18/2021 16:06:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00046	-0.01567	-0.00018	-0.00077	.00054
Stddev	.00015	.00022	.00102	.00025	.00000
%RSD	32.975	1.3836	552.85	32.524	.53827

#1	-0.00057	-0.01582	.00054	-0.00059	.00054
#2	-0.00035	-0.01552	-0.00091	-0.00094	.00054

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00011	.01985	-0.00053	.0101	19.014
Stddev	.00001	.00337	.00007	.0002	.024
%RSD	12.641	16.960	13.930	2.305	.12424

#1	-0.00012	.02223	-0.00048	.0099	19.031
#2	-0.00010	.01747	-0.00059	.0103	18.997

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.182	.00464	.00166	.04628	.00094
Stddev	.061	.00022	.00044	.02140	.00086
%RSD	.60062	4.7992	26.453	46.253	91.422

#1	10.225	.00480	.00135	.06141	.00155
#2	10.138	.00448	.00197	.03114	.00033

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: ICEX4 Acquired: 11/18/2021 16:06:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00545	.00143	-0.00326	.00525	9.6928
Stddev	.00279	.00004	.00015	.00281	.0101
%RSD	51.238	2.5378	4.5782	53.494	.10410
#1	-0.00742	.00145	-0.00337	.00326	9.6999
#2	-0.00347	.00140	-0.00316	.00723	9.6857

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.00211	-0.0009	-0.00095	-0.00495
Stddev	-----	.00038	.0050	.00101	.00041
%RSD	-----	18.036	553.9	105.87	8.2997
#1	z 142.1	-0.00238	-0.0044	-0.00167	-0.00466
#2	z 142.4	-0.00185	.0026	-0.00024	-0.00524

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-0.09709	-0.00057	.00006	z *****	.00325
Stddev	.00341	.00069	.00005	-----	.00003
%RSD	3.5169	120.57	83.235	-----	.87792
#1	-0.09950	-0.00008	.00002	z 94.00	.00327
#2	-0.09467	-0.00106	.00009	z 95.65	.00323

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: ICEX4 Acquired: 11/18/2021 16:06:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00030	-.00010	.00119	z *****
Stddev	.00053	.00011	.00066	-----
%RSD	180.31	108.95	55.614	-----

#1	-0.00008	-0.00018	.00072	z 345.8
#2	.00067	-0.00002	.00165	z 350.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4298.9	2713.8	74554.	3945.8
Stddev	10.8	6.8	134.	3.7
%RSD	.25018	.24977	.17983	.09351

#1	4291.3	2709.0	74460.	3948.5
#2	4306.6	2718.6	74649.	3943.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.410%	101.90%	99.657%	97.638%
Range				

Sample Name: ICEX5 Acquired: 11/18/2021 16:10:15 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00054	.08495	-.00296	-.01986	-.00004
Stddev	.00012	.00973	.00110	.00091	.00000
%RSD	22.437	11.449	37.337	4.5695	11.530
#1	.00063	.07807	-.00218	-.02050	-.00004
#2	.00046	.09183	-.00374	-.01922	-.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00028	.00937	.00008	.0119	-.00048
Stddev	.00007	.00128	.00001	.0034	.00020
%RSD	24.819	13.629	10.332	28.26	41.028
#1	-.00033	.01027	.00008	.0096	-.00034
#2	-.00023	.00847	.00007	.0143	-.00062

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	-.00102	.00139	.01886	.00029
Stddev	.00027	.00007	.00024	.01726	.00005
%RSD	3271.0	6.9496	17.198	91.534	16.981
#1	.00018	-.00107	.00122	.03106	.00025
#2	-.00020	-.00097	.00156	.00665	.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: ICEX5 Acquired: 11/18/2021 16:10:15 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.06653	.00037	5.0787	.01042	-0.00022
Stddev	.00256	.00002	.0197	.00887	.00002
%RSD	3.8502	6.3560	.38874	85.157	7.5909
#1	-0.06834	.00039	5.0648	.00414	-0.00023
#2	-0.06471	.00035	5.0927	.01669	-0.00021

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.00003	-0.0316	.00120	-0.00386
Stddev	-----	.00123	.0008	.00157	.00246
%RSD	-----	3850.0	2.630	130.35	63.616
#1	z 134.4	-0.00090	-0.0310	.00231	-0.00212
#2	z 135.6	.00084	-0.0322	.00009	-0.00560

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.13463	.00028	.00002	z *****	-0.00242
Stddev	.02287	.00020	.00002	-----	.00010
%RSD	16.984	73.444	77.710	-----	4.3242
#1	.11846	.00042	.00001	z 92.15	-0.00250
#2	.15080	.00013	.00004	z 91.45	-0.00235

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: ICEX5 Acquired: 11/18/2021 16:10:15 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00028	-0.00290	-0.00029	z *****
Stddev	.00013	.00016	.00002	-----
%RSD	47.244	5.4561	5.7807	-----

#1	-0.00038	-0.00301	-0.00030	z 337.1
#2	-0.00019	-0.00279	-0.00027	z 337.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4328.6	2712.0	75893.	4073.0
Stddev	.4	1.2	21.	16.8
%RSD	.00880	.04481	.02769	.41343

#1	4328.4	2711.1	75908.	4084.9
#2	4328.9	2712.8	75878.	4061.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.10%	101.84%	101.45%	100.78%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 16:14:09 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96562	48.791	.96228	.98050	.96580	.99007	49.654	.96780
Stddev	.00101	.020	.00070	.00005	.00267	.00215	.022	.00101
%RSD	.10412	.04015	.07285	.00466	.27633	.21717	.04413	.10487
#1	.96633	48.804	.96278	.98053	.96768	.99159	49.670	.96852
#2	.96491	48.777	.96178	.98046	.96391	.98855	49.639	.96708

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9964	.96642	.98815	.96633	49.956	49.126	.96856	48.899
Stddev	.0379	.00042	.00002	.00130	.019	.069	.00117	.132
%RSD	3.799	.04354	.00195	.13492	.03713	.14074	.12069	.27064
#1	.9696	.96672	.98816	.96725	49.969	49.175	.96939	48.993
#2	1.023	.96613	.98813	.96541	49.942	49.077	.96773	48.806

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.99141	1.0365	48.812	.97722	z *****	.97117	23.87	.96113
Stddev	.00236	.0062	.056	.00132	----	.00121	.05	.00035
%RSD	.23817	.60179	.11472	.13540	----	.12432	.2157	.03655
#1	.99308	1.0409	48.852	.97816	z 10880.	.97203	23.91	.96088
#2	.98974	1.0321	48.773	.97629	z 10830.	.97032	23.83	.96138

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 16:14:09 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.95646	9.7473	.96672	.97166	z *****	.98542	.98410	.98497
Stddev	.00086	.0317	.00235	.00249	----	.00211	.00236	.00192
%RSD	.08952	.32542	.24281	.25647	----	.21384	.23981	.19530
#1	.95585	9.7697	.96838	.97342	z 249.4	.98691	.98243	.98633
#2	.95706	9.7249	.96506	.96990	z 248.2	.98393	.98577	.98361

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.99252	z *****
Stddev	.00087	----
%RSD	.08807	----
#1	.99190	z 2681.
#2	.99314	z 2678.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3717.5	2598.7	69742.	3891.6
Stddev	4.7	3.3	105.	12.1
%RSD	.12739	.12794	.15012	.31159
#1	3720.9	2601.0	69816.	3900.2
#2	3714.2	2596.3	69668.	3883.0

Sample Name: CCB-6785149 Acquired: 11/18/2021 16:17:47 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-.00453	-.00071	-.00020	.00012	-.00014	-.00182
Stddev	.00004	.01352	.00028	.00039	.00000	.00002	.00286
%RSD	14.758	298.26	39.056	193.41	1.2597	14.842	157.15
#1	.00026	-.01410	-.00091	-.00048	.00012	-.00016	-.00384
#2	.00032	.00503	-.00051	.00008	.00012	-.00013	.00020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.0105	.00003	.00019	.00016	.00353	.06056
Stddev	.00006	.0235	.00006	.00018	.00035	.00584	.00828
%RSD	62.423	222.9	185.38	93.751	215.54	165.47	13.680
#1	-.00015	-.0061	-.00001	.00006	.00041	-.00060	.06641
#2	-.00006	.0271	.00008	.00032	-.00008	.00766	.05470

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2136
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.00147	.00042	.00008	F .01652	.00137	-.00016	z *****
Stddev	.00028	.00233	.00007	.00243	.00217	.00012	----
%RSD	18.955	549.33	89.342	14.714	158.18	73.168	----
#1	.00166	.00207	.00003	.01824	.00290	-.00008	z 134.4
#2	.00127	-.00122	.00014	.01480	-.00016	-.00025	z 132.7

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass None
High Limit .01000
Low Limit -.01000

Sample Name: CCB-6785149 Acquired: 11/18/2021 16:17:47 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	-0.0017	-0.00054	.00280	-0.00337	.00030	-0.00001
Stddev	.00032	.0002	.00096	.00090	.01619	.00052	.00002
%RSD	135.43	13.77	177.03	32.015	480.69	177.63	324.93
#1	-0.00001	-0.0015	.00014	.00343	.00808	-0.00008	-0.00002
#2	-0.00046	-0.0019	-0.00122	.00216	-0.01481	.00067	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Th2837	Ti3349	Tl1908	V_2924	Zn2062	Zr3438
Units	Cts/S	ppm	ppm	ppm	ppm	Cts/S
Avg	z *****	.00053	.00012	-0.00023	.00003	z *****
Stddev	----	.00008	.00025	.00006	.00014	----
%RSD	----	15.186	202.74	27.637	442.73	----
#1	z 92.10	.00047	-0.00005	-0.00019	-0.00007	z 345.9
#2	z 91.45	.00058	.00030	-0.00028	.00013	z 340.9

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None**
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4351.0	2684.7	74705.	3956.1
Stddev	13.3	1.4	252.	4.9
%RSD	.30545	.05306	.33703	.12276
#1	4341.6	2683.7	74527.	3959.5
#2	4360.4	2685.7	74883.	3952.6

Sample Name: CCVL-6768474 Acquired: 11/18/2021 16:30:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00546	.19346	.01163	.01744	.00205	.00196	.50840	.00189
Stddev	.00032	.00724	.00093	.00007	.00002	.00010	.01077	.00013
%RSD	5.8958	3.7425	7.9811	.39558	1.1216	5.2909	2.1187	6.6676
#1	.00569	.18834	.01097	.01749	.00207	.00204	.51602	.00198
#2	.00524	.19858	.01229	.01739	.00204	.00189	.50079	.00180

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0265	.00381	.00393	.00969	.04652	.50815	.02725	.19153
Stddev	.0160	.00011	.00015	.00001	.00162	.02148	.00089	.00389
%RSD	60.35	2.9461	3.7642	.13674	3.4913	4.2268	3.2644	2.0302
#1	-.0152	.00373	.00404	.00968	.04538	.52333	.02662	.19428
#2	-.0378	.00389	.00383	.00970	.04767	.49296	.02788	.18878

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00328	.00805	.95402	.00920	z *****	.00897	.1681	.01803
Stddev	.00004	.00043	.00096	.00002	----	.00016	.0012	.00051
%RSD	1.1939	5.3148	.10012	.21590	----	1.7996	.7179	2.8058
#1	.00325	.00775	.95335	.00922	z 135.3	.00885	.1673	.01767
#2	.00331	.00835	.95470	.00919	z 133.4	.00908	.1690	.01839

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 16:30:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02110	.45957	.00873	.00483	z *****	.00467	.01924	.00448
Stddev	.00381	.02121	.00054	.00005	-----	.00015	.00069	.00007
%RSD	18.062	4.6156	6.2199	1.1081	-----	3.2384	3.5736	1.5377
#1	.02379	.47457	.00834	.00479	z 97.50	.00477	.01973	.00443
#2	.01840	.44457	.00911	.00487	z 92.00	.00456	.01875	.00453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01028	z *****
Stddev	.00016	-----
%RSD	1.5701	-----
#1	.01039	z 354.7
#2	.01016	z 348.1

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4341.3	2745.3	74460.	3809.6
Stddev	3.6	5.5	520.	56.1
%RSD	.08264	.20187	.69790	1.4736
#1	4343.8	2749.2	74092.	3769.9
#2	4338.7	2741.4	74827.	3849.3

Sample Name: LB 480-605164/1-B Acquired: 11/18/2021 16:34:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.01633	.00028	.06257	.00497
Stddev	.00018	.02095	.00368	.00013	.00003
%RSD	1444.1	128.28	1304.0	.20386	.53579
#1	-0.0012	.03115	-0.00232	.06266	.00495
#2	.00014	.00152	.00288	.06248	.00499

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.18332	.00013	.0137	.00016
Stddev	.00002	.00252	.00000	.0227	.00000
%RSD	26.031	1.3756	.20136	166.3	.53834
#1	-0.00008	.18153	.00013	-.0024	.00017
#2	-0.00006	.18510	.00013	.0297	.00016

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00188	.00221	.01515	.89320	.00440
Stddev	.00009	.00005	.00085	.01011	.00119
%RSD	4.5604	2.2034	5.6061	1.1319	27.003
#1	.00194	.00218	.01575	.90035	.00524
#2	.00182	.00225	.01455	.88605	.00356

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: LB 480-605164/1-B Acquired: 11/18/2021 16:34:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03062	.00478	-.00325	F 1150.6	.00104
Stddev	.00201	.00002	.00004	2.2	.00033
%RSD	6.5668	.34858	1.2145	.19117	32.076

#1	.03204	.00477	-.00328	1152.1	.00127
#2	.02920	.00479	-.00322	1149.0	.00080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				1.0000	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	F .11433	.0479	.00016	-.00721
Stddev	-----	.00030	.0018	.00065	.00152
%RSD	-----	.25853	3.838	400.75	21.041

#1	z 146.8	.11412	.0492	.00062	-.00614
#2	z 145.5	.11454	.0466	-.00030	-.00829

Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.02000			
Low Limit		-.02000			

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.01749	.00012	.00088	z *****	-.00006
Stddev	.00128	.00046	.00000	-----	.00022
%RSD	7.3179	397.25	.31374	-----	350.10

#1	.01659	-.00021	.00087	z 90.48	-.00022
#2	.01840	.00044	.00088	z 88.86	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LB 480-605164/1-B Acquired: 11/18/2021 16:34:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00006	.00006	.01469	z *****
Stddev	.00152	.00000	.00070	-----
%RSD	2370.4	.16213	4.7815	-----

#1	.00101	.00006	.01419	z 332.3
#2	-.00114	.00006	.01518	z 338.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3316.4	2385.9	62200.	3838.2
Stddev	3.0	1.4	245.	1.9
%RSD	.09043	.05914	.39329	.04836

#1	3314.3	2386.9	62373.	3839.5
#2	3318.5	2384.9	62027.	3836.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.690%	89.592%	83.143%	94.974%
Range				

Sample Name: 480-192194-C-3-A Acquired: 11/18/2021 16:38:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00032	.01529	-0.00188	.08756	.05550
Stddev	.00035	.02205	.00047	.00030	.00006
%RSD	108.63	144.21	24.833	.34506	.11039
#1	-0.00007	.03089	-0.00221	.08735	.05554
#2	-0.00057	-0.00030	-0.00155	.08777	.05545

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00016	217.56	.00026	-.0288	.01206
Stddev	.00004	1.64	.00002	.0427	.00009
%RSD	23.033	.75232	8.0253	148.4	.75111
#1	-0.00018	216.40	.00028	.0014	.01213
#2	-0.00013	218.72	.00025	-.0590	.01200

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01097	.01248	2.6300	2.5596	.04475
Stddev	.00017	.00024	.0190	.0026	.00070
%RSD	1.5490	1.9585	.72342	.10023	1.5669
#1	.01085	.01230	2.6165	2.5578	.04426
#2	.01109	.01265	2.6434	2.5614	.04525

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192194-C-3-A Acquired: 11/18/2021 16:38:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	93.467	.80475	.01221	310.45	.28454
Stddev	.230	.00065	.00001	.73	.00047
%RSD	.24613	.08065	.05901	.23498	.16463
#1	93.304	.80429	.01220	309.94	.28421
#2	93.630	.80521	.01221	310.97	.28487

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00044	79.67	-.00396	-.00845
Stddev	-----	.00075	.24	.00194	.00456
%RSD	-----	171.01	.2988	48.864	53.925
#1	z 185.8	-.00009	79.84	-.00259	-.01167
#2	z 187.3	.00097	79.51	-.00533	-.00523

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.9270	-.00086	.97649	z *****	.00099
Stddev	.0131	.00025	.00209	-----	.00018
%RSD	.18950	29.303	.21388	-----	18.109
#1	6.9177	-.00104	.97501	z 103.4	.00112
#2	6.9363	-.00068	.97796	z 103.5	.00086

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192194-C-3-A Acquired: 11/18/2021 16:38:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00113	-.00015	.00578	z *****
Stddev	.00051	.00016	.00012	-----
%RSD	44.765	106.97	2.1434	-----

#1	.00149	-.00004	.00569	z 338.2
#2	.00077	-.00026	.00587	z 343.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3396.5	2366.8	64591.	3851.7
Stddev	4.7	3.3	143.	24.7
%RSD	.13731	.14042	.22085	.64113

#1	3399.8	2364.4	64490.	3869.1
#2	3393.2	2369.1	64692.	3834.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.542%	88.872%	86.339%	95.308%
Range				

Sample Name: 480-192194-C-3-ASD@5 Acquired: 11/18/2021 16:42:19 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00686	-.00054	.01606	.01138
Stddev	.00037	.03026	.00056	.00025	.00005
%RSD	249.15	441.04	103.52	1.5511	.44030

#1	.00041	.02826	-.00015	.01623	.01141
#2	-.00011	-.01454	-.00094	.01588	.01134

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	43.929	.00007	.0076	.00234
Stddev	.00003	.163	.00005	.0053	.00014
%RSD	26.718	.37192	63.453	69.03	5.8300

#1	-.00010	44.044	.00011	.0114	.00244
#2	-.00015	43.813	.00004	.0039	.00225

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00227	.00222	.52605	.52295	.00970
Stddev	.00024	.00008	.00326	.03329	.00149
%RSD	10.416	3.7546	.62018	6.3661	15.391

#1	.00210	.00228	.52375	.49941	.00864
#2	.00244	.00216	.52836	.54649	.01075

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192194-C-3-ASD@5 Acquired: 11/18/2021 16:42:19 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	17.962	.16124	-.00046	61.238	.05558
Stddev	.089	.00068	.00014	.249	.00036
%RSD	.49405	.42346	29.770	.40629	.64262
#1	18.025	.16172	-.00036	61.414	.05533
#2	17.899	.16076	-.00055	61.062	.05583

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00020	14.63	-.00156	-.00242
Stddev	-----	.00021	.12	.00002	.00009
%RSD	-----	102.76	.8265	1.0112	3.6418
#1	z 154.8	-.00035	14.72	-.00155	-.00236
#2	z 158.8	-.00006	14.54	-.00157	-.00248

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	1.3521	-.00003	.19450	z *****	.00011
Stddev	.0007	.00053	.00039	-----	.00003
%RSD	.05168	1693.9	.20279	-----	29.787
#1	1.3526	.00035	.19478	z 93.04	.00009
#2	1.3516	-.00041	.19423	z 93.38	.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192194-C-3-ASD@5 Acquired: 11/18/2021 16:42:19 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00010	-.00005	.00124	z *****
Stddev	.00096	.00017	.00028	-----
%RSD	992.76	350.14	22.421	-----

#1	-.00058	-.00017	.00144	z 334.2
#2	.00077	.00007	.00105	z 334.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3866.5	2591.3	70436.	3954.1
Stddev	.1	8.3	168.	18.5
%RSD	.00339	.32136	.23896	.46853

#1	3866.4	2585.4	70555.	3941.0
#2	3866.6	2597.2	70317.	3967.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.410%	97.303%	94.152%	97.842%
Range				

Sample Name: 480-192194-C-3-APDS Acquired: 11/18/2021 16:46:08 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05148	9.9361	.21976	.28679	.25933
Stddev	.00018	.0563	.00001	.00033	.00035
%RSD	.35670	.56647	.00281	.11665	.13565

#1	.05161	9.8963	.21977	.28656	.25908
#2	.05135	9.9759	.21976	.28703	.25958

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21421	220.16	.20933	.0210	.21577
Stddev	.00042	.05	.00020	.0007	.00020
%RSD	.19409	.02312	.09759	3.101	.09261

#1	.21391	220.20	.20919	.0205	.21563
#2	.21450	220.13	.20948	.0215	.21591

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21068	.21452	12.881	13.037	.24975
Stddev	.00000	.00008	.024	.042	.00089
%RSD	.00116	.03749	.18952	.32446	.35545

#1	.21068	.21447	12.864	13.007	.25038
#2	.21068	.21458	12.899	13.067	.24912

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192194-C-3-APDS Acquired: 11/18/2021 16:46:08 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	99.743	.97834	.22425	309.98	.47906
Stddev	.383	.00223	.00134	.16	.00076
%RSD	.38418	.22759	.59727	.05081	.15955

#1	99.472	.97677	.22330	310.09	.47960
#2	100.01	.97992	.22519	309.87	.47852

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.20646	84.72	.21748	.19408
Stddev	-----	.00048	.09	.00242	.00265
%RSD	-----	.23451	.1108	1.1138	1.3658

#1	z 199.2	.20611	84.65	.21577	.19595
#2	z 198.7	.20680	84.79	.21919	.19220

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	16.453	.19828	1.1515	z *****	.20815
Stddev	.035	.00037	.0010	-----	.00049
%RSD	.21526	.18868	.09016	-----	.23593

#1	16.428	.19802	1.1523	z 105.7	.20781
#2	16.478	.19855	1.1508	z 107.0	.20850

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192194-C-3-APDS Acquired: 11/18/2021 16:46:08 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20684	.20494	.20682	z *****
Stddev	.00209	.00032	.00152	-----
%RSD	1.0097	.15797	.73338	-----

#1	.20832	.20471	.20575	z 392.4
#2	.20536	.20516	.20789	z 387.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3381.2	2405.1	65110.	3800.3
Stddev	1.2	4.5	67.	13.9
%RSD	.03659	.18566	.10267	.36466

#1	3382.1	2408.3	65063.	3790.5
#2	3380.4	2401.9	65157.	3810.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.189%	90.312%	87.033%	94.035%
Range				

Sample Name: 480-192194-C-3-B MS Acquired: 11/18/2021 16:49:55 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05208	10.233	.21946	.29000	.26501
Stddev	.00040	.026	.00042	.00187	.00027
%RSD	.77576	.25492	.19000	.64595	.10334

#1	.05236	10.252	.21975	.28868	.26482
#2	.05179	10.215	.21916	.29133	.26521

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21646	225.12	.21169	-.0048	.21818
Stddev	.00050	.20	.00006	.0359	.00019
%RSD	.23140	.08942	.02790	743.7	.08494

#1	.21681	224.97	.21173	.0206	.21805
#2	.21610	225.26	.21165	-.0302	.21831

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21361	.21576	12.957	13.224	.25309
Stddev	.00089	.00037	.016	.001	.00038
%RSD	.41502	.17001	.12414	.00682	.14986

#1	.21298	.21602	12.946	13.225	.25336
#2	.21423	.21551	12.969	13.223	.25282

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192194-C-3-B MS Acquired: 11/18/2021 16:49:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	101.67	.98800	.22681	319.85	.48539
Stddev	.02	.00038	.00095	.11	.00083
%RSD	.02089	.03882	.42030	.03471	.17165
#1	101.65	.98773	.22614	319.93	.48480
#2	101.68	.98827	.22749	319.77	.48597

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.20727	86.74	.22037	.19744
Stddev	-----	.00056	.03	.00144	.00078
%RSD	-----	.27075	.0328	.65394	.39255
#1	z 200.2	.20687	86.72	.22139	.19689
#2	z 200.9	.20767	86.76	.21935	.19799

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	16.586	.19986	1.1834	z *****	.20990
Stddev	.064	.00134	.0048	-----	.00013
%RSD	.38521	.67024	.40517	-----	.05974
#1	16.632	.19891	1.1868	z 104.8	.20999
#2	16.541	.20081	1.1800	z 104.8	.20981

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192194-C-3-B MS Acquired: 11/18/2021 16:49:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20768	.20757	.21324	z *****
Stddev	.00000	.00011	.00117	-----
%RSD	.00039	.05250	.55072	-----

#1	.20768	.20750	.21407	z 358.8
#2	.20768	.20765	.21240	z 361.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3385.8	2404.3	64834.	3787.5
Stddev	.6	1.0	176.	6.0
%RSD	.01705	.04167	.27185	.15781

#1	3385.3	2403.6	64959.	3791.7
#2	3386.2	2405.1	64709.	3783.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.293%	90.284%	86.664%	93.720%
Range				

Sample Name: 480-192194-C-3-C MSD Acquired: 11/18/2021 16:53:42 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05151	10.029	.21700	.28676	.25981
Stddev	.00053	.002	.00266	.00021	.00003
%RSD	1.0360	.02035	1.2244	.07288	.01039

#1	.05189	10.027	.21888	.28691	.25979
#2	.05113	10.030	.21512	.28661	.25983

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21176	222.04	.20877	.0278	.21538
Stddev	.00007	.23	.00041	.0112	.00055
%RSD	.03508	.10317	.19492	40.14	.25733

#1	.21181	221.87	.20905	.0199	.21577
#2	.21170	222.20	.20848	.0357	.21499

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21059	.21181	12.775	12.965	.24813
Stddev	.00078	.00024	.001	.042	.00023
%RSD	.36902	.11255	.00454	.32104	.09087

#1	.21114	.21164	12.775	12.936	.24829
#2	.21004	.21198	12.776	12.995	.24797

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192194-C-3-C MSD Acquired: 11/18/2021 16:53:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	100.23	.95672	.22394	313.13	.47284
Stddev	.20	.00017	.00032	.73	.00039
%RSD	.19493	.01771	.14118	.23465	.08297
#1	100.37	.95660	.22371	313.65	.47312
#2	100.09	.95684	.22416	312.61	.47256

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.20499	85.81	.21731	.19786
Stddev	-----	.00080	.19	.00020	.00296
%RSD	-----	.38933	.2169	.09388	1.4957
#1	z 200.5	.20555	85.95	.21717	.19995
#2	z 199.2	.20442	85.68	.21745	.19577

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	16.346	.19721	1.1540	z *****	.20648
Stddev	.010	.00128	.0003	-----	.00047
%RSD	.06339	.64783	.02782	-----	.22597
#1	16.338	.19812	1.1542	z 106.5	.20681
#2	16.353	.19631	1.1538	z 108.0	.20615

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192194-C-3-C MSD Acquired: 11/18/2021 16:53:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20201	.20345	.20925	z *****
Stddev	.00054	.00017	.00178	-----
%RSD	.26514	.08293	.85240	-----

#1	.20239	.20357	.21051	z 359.2
#2	.20163	.20333	.20799	z 360.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3402.3	2420.0	65525.	3795.7
Stddev	9.7	7.3	183.	9.1
%RSD	.28385	.30123	.27879	.24055

#1	3395.4	2414.8	65396.	3789.3
#2	3409.1	2425.1	65654.	3802.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	78.675%	90.870%	87.587%	93.923%
Range				

Sample Name: 480-192194-C-4-A Acquired: 11/18/2021 16:57:29 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	.01900	.00135	.07808	.11825
Stddev	.00019	.01733	.00046	.00022	.00030
%RSD	199.65	91.250	33.877	.28639	.25060
#1	-0.00023	.03125	.00103	.07824	.11846
#2	.00004	.00674	.00168	.07793	.11804

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	849.69	.00045	.0123	.00849
Stddev	.00003	11.48	.00021	.0139	.00010
%RSD	22.367	1.3508	45.666	113.1	1.1699
#1	-0.00014	857.81	.00030	.0025	.00856
#2	-0.00010	841.58	.00059	.0221	.00842

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00206	.00354	15.308	2.6415	.06803
Stddev	.00010	.00013	.072	.0463	.00077
%RSD	4.7750	3.7288	.46771	1.7542	1.1349
#1	.00199	.00345	15.359	2.6743	.06749
#2	.00212	.00364	15.257	2.6087	.06858

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192194-C-4-A Acquired: 11/18/2021 16:57:29 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	312.56	3.5075	-0.0183	F 1232.9	.02750
Stddev	3.85	.0134	.00017	5.7	.00008
%RSD	1.2330	.38084	9.2750	.45888	.29844

#1	309.84	3.5170	-0.0195	1236.9	.02745
#2	315.29	3.4981	-0.0171	1228.9	.02756

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				900.00	
Low Limit				-1.0000	

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.00222	F 117.6	-0.00735	-0.01190
Stddev	-----	.00009	.1	.00086	.00854
%RSD	-----	4.0362	.0520	11.666	71.755

#1	z 254.2	-0.00228	117.7	-0.00796	-0.01794
#2	z 254.1	-0.00216	117.6	-0.00675	-0.00586

Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			90.00		
Low Limit			-0.2000		

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	12.544	.00021	3.9287	z *****	.00313
Stddev	.041	.00008	.0234	-----	.00021
%RSD	.33067	37.258	.59701	-----	6.7052

#1	12.574	.00016	3.9452	z 124.0	.00328
#2	12.515	.00027	3.9121	z 123.5	.00298

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192194-C-4-A Acquired: 11/18/2021 16:57:29 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00162	-.00061	.00418	z *****
Stddev	.00060	.00022	.00056	-----
%RSD	37.316	35.490	13.442	-----

#1	.00119	-.00076	.00458	z 349.1
#2	.00205	-.00046	.00378	z 345.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2891.5	2134.4	57774.	3666.0
Stddev	.5	2.1	31.	27.9
%RSD	.01600	.09811	.05353	.76068

#1	2891.2	2135.9	57753.	3646.3
#2	2891.9	2132.9	57796.	3685.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	66.865%	80.147%	77.227%	90.712%
Range				

Sample Name: 480-192194-C-5-A Acquired: 11/18/2021 17:01:46 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00098	-.00202	.14087	.02807
Stddev	.00021	.00263	.00152	.00094	.00006
%RSD	238.02	267.76	75.416	.66529	.20298
#1	.00024	-.00284	-.00094	.14021	.02803
#2	-.00006	.00088	-.00309	.14153	.02811

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	187.96	.00041	-.0201	.00229
Stddev	.00003	.50	.00004	.0551	.00015
%RSD	28.865	.26627	9.0000	274.0	6.4745
#1	-.00009	187.61	.00039	.0189	.00239
#2	-.00014	188.31	.00044	-.0591	.00218

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03962	.01799	.20018	2.1002	.04677
Stddev	.00033	.00018	.00340	.0251	.00048
%RSD	.82075	.99788	1.6965	1.1972	1.0303
#1	.03939	.01786	.20258	2.0824	.04711
#2	.03985	.01812	.19777	2.1180	.04643

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192194-C-5-A Acquired: 11/18/2021 17:01:46 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	66.355	.38575	.03152	283.57	.13644
Stddev	.159	.00078	.00023	.04	.00020
%RSD	.23925	.20115	.73296	.01257	.14655
#1	66.467	.38629	.03136	283.60	.13658
#2	66.243	.38520	.03168	283.55	.13630

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00077	F 93.42	-.00083	-.00868
Stddev	-----	.00174	.36	.00165	.00058
%RSD	-----	225.45	.3879	197.75	6.7066
#1	z 181.4	.00200	93.17	-.00200	-.00826
#2	z 180.5	-.00046	93.68	.00033	-.00909

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.7577	-.00063	.76416	z *****	.00061
Stddev	.0036	.00017	.00037	-----	.00017
%RSD	.05321	26.661	.04843	-----	28.346
#1	6.7602	-.00051	.76390	z 100.7	.00049
#2	6.7551	-.00074	.76442	z 99.25	.00074

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192194-C-5-A Acquired: 11/18/2021 17:01:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00013	-.00028	.02670	z *****
Stddev	.00111	.00020	.00062	-----
%RSD	876.66	71.052	2.3190	-----

#1	-0.00066	-0.00014	.02713	z 336.7
#2	.00091	-0.00042	.02626	z 336.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3471.2	2412.4	65774.	3845.2
Stddev	1.0	7.1	30.	23.6
%RSD	.02840	.29415	.04532	.61501

#1	3470.5	2417.4	65753.	3861.9
#2	3471.9	2407.4	65795.	3828.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.269%	90.587%	87.920%	95.148%
Range				

Sample Name: 480-192011-C-2-A Acquired: 11/18/2021 17:05:40 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	.10066	-0.00319	.40272	.06430
Stddev	.00053	.02649	.00004	.00015	.00018
%RSD	349.37	26.313	1.3807	.03638	.27680
#1	.00022	.08193	-0.00316	.40282	.06443
#2	-0.00053	.11939	-0.00322	.40261	.06418

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	65.142	.00018	-0.0018	.00081
Stddev	.00006	.159	.00003	.0087	.00004
%RSD	34.913	.24406	14.668	482.9	5.4529
#1	-0.00022	65.254	.00016	.0043	.00084
#2	-0.00013	65.029	.00020	-0.0079	.00078

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00078	.11441	5.8195	.02751
Stddev	.00015	.00009	.00177	.0109	.00082
%RSD	44.396	11.054	1.5436	.18723	2.9758
#1	.00045	.00072	.11316	5.8118	.02808
#2	.00024	.00084	.11566	5.8272	.02693

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192011-C-2-A Acquired: 11/18/2021 17:05:40 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	32.176	.05869	-.00236	14.215	.00087
Stddev	.066	.00004	.00004	.024	.00034
%RSD	.20580	.06182	1.7162	.16690	39.633
#1	32.223	.05872	-.00239	14.232	.00062
#2	32.129	.05866	-.00233	14.198	.00111

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00035	9.025	-.00056	-.00492
Stddev	-----	.00010	.024	.00135	.00116
%RSD	-----	27.568	.2615	241.46	23.546
#1	z 159.9	.00042	9.008	-.00152	-.00574
#2	z 159.4	.00028	9.042	.00040	-.00410

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.8865	-.00052	.40133	z *****	.00196
Stddev	.0134	.00053	.00138	-----	.00042
%RSD	.34587	102.84	.34490	-----	21.198
#1	3.8770	-.00089	.40231	z 89.88	.00167
#2	3.8960	-.00014	.40035	z 90.98	.00226

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192011-C-2-A Acquired: 11/18/2021 17:05:40 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00026	-0.00003	.00566	z *****
Stddev	.00082	.00002	.00054	-----
%RSD	313.25	65.023	9.4881	-----

#1	-0.00084	-0.00002	.00604	z 324.4
#2	.00032	-0.00004	.00528	z 326.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3911.9	2575.0	71790.	4070.9
Stddev	6.9	3.4	140.	7.3
%RSD	.17647	.13226	.19527	.18014

#1	3907.0	2572.6	71889.	4065.7
#2	3916.8	2577.4	71690.	4076.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.461%	96.691%	95.961%	100.73%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 17:09:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96050	48.433	.95921	.97000	.95776	.97818	49.556	.96079
Stddev	.00196	.097	.00321	.00281	.00137	.00022	.036	.00165
%RSD	.20372	.19931	.33415	.28922	.14304	.02289	.07362	.17174
#1	.96188	48.501	.95694	.96801	.95873	.97833	49.582	.95963
#2	.95912	48.364	.96148	.97198	.95679	.97802	49.530	.96196

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9721	.97072	.98184	.95728	49.897	48.445	.95915	49.012
Stddev	.0182	.00022	.00191	.00247	.116	.019	.00145	.200
%RSD	1.867	.02259	.19425	.25802	.23197	.04003	.15077	.40871
#1	.9849	.97057	.98319	.95554	49.979	48.431	.95812	49.153
#2	.9593	.97088	.98049	.95903	49.815	48.458	.96017	48.870

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.98949	.97792	47.823	.97634	z *****	.97842	23.92	.95037
Stddev	.00206	.00315	.066	.00083	----	.00083	.06	.00013
%RSD	.20864	.32210	.13813	.08495	----	.08438	.2382	.01335
#1	.99095	.97569	47.870	.97692	z 10930.	.97784	23.88	.95028
#2	.98803	.98014	47.777	.97575	z 10960.	.97901	23.96	.95046

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 17:09:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.95227	9.8149	.97497	.95898	z *****	.97692	.98823	.97744
Stddev	.00060	.0069	.00011	.00041	----	.00167	.00029	.00025
%RSD	.06279	.07050	.01141	.04275	----	.17071	.02974	.02600
#1	.95270	9.8198	.97489	.95927	z 245.1	.97809	.98843	.97762
#2	.95185	9.8100	.97505	.95869	z 249.4	.97574	.98802	.97726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0016	z *****
Stddev	.0054	----
%RSD	.53845	----
#1	1.0054	z 2654.
#2	.99777	z 2674.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3734.5	2619.4	70037.	3856.7
Stddev	3.7	1.4	116.	26.5
%RSD	.09846	.05441	.16541	.68652
#1	3731.9	2620.4	70119.	3838.0
#2	3737.1	2618.4	69955.	3875.4

Sample Name: CCB-6785149 Acquired: 11/18/2021 17:13:10 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	-0.00416	.00033	-0.00084	.00009	-0.00007	-0.00094	-0.00006
Stddev	.00059	.01183	.00039	.00028	.00000	.00003	.00324	.00009
%RSD	295.09	284.33	119.62	33.676	5.1942	42.761	344.60	164.96
#1	.00022	-.01252	.00005	-.00104	.00009	-.00009	.00135	.00001
#2	-.00062	.00420	.00061	-.00064	.00008	-.00005	-.00323	-.00012

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0025	.00007	.00006	-0.00002	.00122	.02904	.00124	.00172
Stddev	.0258	.00006	.00010	.00031	.00101	.00435	.00067	.00174
%RSD	1051.	77.503	177.42	1597.1	83.314	14.994	54.621	101.02
#1	.0158	.00003	-.00001	-.00024	.00193	.02596	.00076	.00295
#2	-.0207	.00011	.00013	.00020	.00050	.03212	.00171	.00049

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00003	.00281	.06287	-0.00023	z *****	-0.00063	.0083	.00007
Stddev	.00000	.00099	.00209	.00019	----	.00024	.0020	.00038
%RSD	13.573	35.337	3.3197	82.859	----	37.803	24.08	555.97
#1	.00003	.00351	.06139	-.00036	z 137.8	-.00046	.0069	-.00020
#2	.00003	.00211	.06435	-.00009	z 138.1	-.00080	.0097	.00033

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 17:13:10 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00226	-.01400	-.00022	-.00001	z *****	.00032	-.00020	-.00008
Stddev	.00043	.00272	.00064	.00001	----	.00013	.00002	.00034
%RSD	19.230	19.416	295.36	147.59	----	39.701	8.5118	424.28
#1	.00256	-.01207	.00024	-.00001	z 89.95	.00023	-.00019	.00016
#2	.00195	-.01592	-.00067	.00000	z 91.65	.00040	-.00022	-.00032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00083	z *****
Stddev	.00016	----
%RSD	18.817	----
#1	-.00072	z 339.5
#2	-.00094	z 337.7

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4333.2	2716.3	75059.	3968.9
Stddev	7.7	3.7	147.	4.5
%RSD	.17837	.13679	.19554	.11394
#1	4327.7	2713.7	74955.	3965.7
#2	4338.7	2718.9	75163.	3972.1

Sample Name: CCVL-6768474 Acquired: 11/18/2021 17:17:04 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00541	.19457	.01288	.01760	.00205	.00187	.50473	.00192
Stddev	.00013	.01351	.00150	.00034	.00002	.00002	.00373	.00009
%RSD	2.4313	6.9455	11.620	1.9166	.87623	1.2913	.73900	4.5986
#1	.00550	.18501	.01182	.01784	.00204	.00186	.50209	.00198
#2	.00532	.20412	.01394	.01736	.00207	.00189	.50737	.00186

Check ? Chk Pass Chk Pass
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0047	.00364	.00379	.00961	.04988	.51594	.02732	.18845
Stddev	.0208	.00006	.00034	.00029	.00289	.02277	.00013	.00427
%RSD	441.2	1.6715	8.9267	2.9680	5.7993	4.4139	.49041	2.2671
#1	-.0194	.00368	.00403	.00981	.05193	.53204	.02742	.18543
#2	.0100	.00360	.00355	.00941	.04784	.49984	.02723	.19147

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00322	.00788	.99874	.00910	z *****	.00914	.1737	.01785
Stddev	.00001	.00024	.00776	.00016	----	.00026	.0014	.00190
%RSD	.24545	3.1033	.77659	1.7288	----	2.8368	.7908	10.620
#1	.00322	.00771	.99325	.00899	z 138.5	.00896	.1747	.01651
#2	.00321	.00806	1.0042	.00922	z 136.1	.00933	.1727	.01919

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 17:17:04 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02151	.45135	.00883	.00485	z *****	.00466	.01975	.00460
Stddev	.00111	.01498	.00063	.00005	-----	.00020	.00013	.00019
%RSD	5.1776	3.3183	7.1149	1.0118	-----	4.3638	.64634	4.0713
#1	.02072	.46194	.00927	.00481	z 92.00	.00452	.01966	.00447
#2	.02230	.44076	.00838	.00488	z 91.15	.00481	.01984	.00474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01006	z *****
Stddev	.00098	-----
%RSD	9.7815	-----
#1	.01076	z 339.2
#2	.00936	z 344.9

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4324.9	2750.8	74722.	3931.7
Stddev	6.8	.9	165.	5.5
%RSD	.15833	.03320	.22117	.13869
#1	4320.0	2750.2	74839.	3935.5
#2	4329.7	2751.5	74605.	3927.8

Sample Name: 480-192011-C-3-A Acquired: 11/18/2021 17:20:58 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	.04539	-0.00005	.84883	.04017
Stddev	.00012	.00745	.00048	.00535	.00008
%RSD	101.30	16.410	911.34	.62982	.20012
#1	-0.00020	.04013	-0.00039	.84505	.04011
#2	-0.00003	.05066	.00028	.85261	.04022

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	306.14	.00021	.0288	.00574
Stddev	.00003	.46	.00003	.0153	.00020
%RSD	63.992	.15152	16.045	53.10	3.4742
#1	-0.00002	306.47	.00023	.0396	.00588
#2	-0.00007	305.81	.00018	.0180	.00560

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00271	14.297	15.297	.11774
Stddev	.00031	.00008	.029	.001	.00056
%RSD	69.995	2.8616	.20441	.00741	.47793
#1	.00023	.00266	14.318	15.296	.11735
#2	.00067	.00277	14.276	15.298	.11814

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192011-C-3-A Acquired: 11/18/2021 17:20:58 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	121.05	1.2242	.00018	72.506	.03426
Stddev	.88	.0065	.00011	.094	.00005
%RSD	.72716	.52788	60.089	.13000	.15201
#1	120.42	1.2197	.00010	72.440	.03430
#2	121.67	1.2288	.00026	72.573	.03422

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00063	F 200.6	-.00189	-.00415
Stddev	-----	.00154	.6	.00107	.00274
%RSD	-----	245.43	.3135	56.736	66.104
#1	z 234.5	-.00046	200.2	-.00264	-.00609
#2	z 230.3	.00172	201.1	-.00113	-.00221

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.5418	-.00119	.60991	z *****	.00128
Stddev	.0239	.00031	.00182	-----	.00022
%RSD	.31749	25.727	.29786	-----	17.062
#1	7.5588	-.00097	.61120	z 107.1	.00143
#2	7.5249	-.00140	.60863	z 110.5	.00113

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192011-C-3-A Acquired: 11/18/2021 17:20:58 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00079	-.00064	.00714	z *****
Stddev	.00076	.00027	.00038	-----
%RSD	96.819	42.140	5.2666	-----

#1	.00025	-.00045	.00687	z 342.5
#2	.00133	-.00083	.00741	z 344.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3492.2	2415.3	65973.	3826.7
Stddev	2.1	2.7	179.	21.1
%RSD	.05966	.11086	.27102	.55127

#1	3490.7	2417.1	66099.	3811.8
#2	3493.7	2413.4	65846.	3841.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.755%	90.693%	88.186%	94.690%
Range				

Sample Name: MB 480-604724/1-A Acquired: 11/18/2021 17:24:53 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.01203	-.00113	-.00041	.00001
Stddev	.00007	.00641	.00004	.00011	.00001
%RSD	30.294	53.275	3.9628	26.452	115.89
#1	.00029	-.01657	-.00116	-.00049	.00002
#2	.00019	-.00750	-.00110	-.00033	.00000

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.01242	.00001	.0070	-.00007
Stddev	.00002	.00128	.00001	.0141	.00019
%RSD	17.688	10.284	90.488	199.9	259.99
#1	-.00012	.01332	.00000	.0170	.00006
#2	-.00016	.01151	.00002	-.0029	-.00020

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00010	F .05246	.03659	.00030
Stddev	.00013	.00016	.00030	.01412	.00039
%RSD	65.743	157.28	.58024	38.596	131.38
#1	.00010	.00022	.05225	.02660	.00002
#2	.00029	-.00001	.05268	.04657	.00057

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
 High Limit **.05000**
 Low Limit **-.04000**

Sample Name: MB 480-604724/1-A Acquired: 11/18/2021 17:24:53 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00477	.00056	-.00353	.05704	-.00016
Stddev	.00131	.00007	.00019	.00124	.00003
%RSD	27.537	12.509	5.4475	2.1786	18.828
#1	.00570	.00060	-.00367	.05616	-.00014
#2	.00384	.00051	-.00340	.05792	-.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00031	.0228	-.00036	-.00134
Stddev	-----	.00062	.0046	.00066	.00069
%RSD	-----	202.67	20.35	181.89	51.761
#1	z 133.0	-.00013	.0261	-.00082	-.00183
#2	z 133.5	.00074	.0195	.00010	-.00085

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.02223	-.00019	-.00000	z *****	-.00016
Stddev	.00018	.00039	.00009	-----	.00009
%RSD	.78850	205.23	3680.8	-----	54.002
#1	-.02235	-.00047	.00006	z 91.40	-.00022
#2	-.02211	.00009	-.00006	z 87.35	-.00010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-604724/1-A Acquired: 11/18/2021 17:24:53 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00007	.00008	.00152	z *****
Stddev	.00007	.00006	.00005	-----
%RSD	108.73	83.770	3.3339	-----

#1	-0.00002	.00003	.00148	z 329.1
#2	-0.00012	.00012	.00156	z 324.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4364.0	2727.4	76157.	4052.0
Stddev	13.8	.4	288.	1.6
%RSD	.31519	.01481	.37806	.04010

#1	4373.7	2727.2	76361.	4053.1
#2	4354.3	2727.7	75954.	4050.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.91%	102.42%	101.80%	100.26%
Range				

Sample Name: LCS 480-604724/2-A Acquired: 11/18/2021 17:28:47 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04839	9.8428	.20348	.19580	.21518
Stddev	.00037	.0577	.00136	.00108	.00022
%RSD	.77257	.58583	.66726	.55217	.10257
#1	.04813	9.8020	.20252	.19656	.21534
#2	.04866	9.8836	.20444	.19503	.21503

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21095	10.093	.19724	-.0071	.19633
Stddev	.00075	.072	.00049	.0035	.00001
%RSD	.35613	.71288	.24719	48.93	.00438
#1	.21042	10.042	.19759	-.0046	.19633
#2	.21148	10.143	.19690	-.0096	.19632

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20037	.19617	10.347	9.8535	.19737
Stddev	.00120	.00027	.017	.0279	.00133
%RSD	.59885	.13787	.16766	.28332	.67574
#1	.20122	.19598	10.335	9.8338	.19831
#2	.19952	.19636	10.359	9.8733	.19643

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-604724/2-A Acquired: 11/18/2021 17:28:47 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.273	.20838	.20644	9.6822	.19666
Stddev	.003	.00000	.00006	.0009	.00043
%RSD	.03304	.00040	.03015	.00894	.21671
#1	10.275	.20838	.20649	9.6828	.19635
#2	10.271	.20838	.20640	9.6816	.19696

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19778	9.329	.20832	.19084
Stddev	-----	.00128	.044	.00009	.00014
%RSD	-----	.64696	.4755	.04241	.07088
#1	z 156.6	.19687	9.360	.20825	.19074
#2	z 158.8	.19868	9.297	.20838	.19094

Check ? **None** **Chk Pass** **None** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.3286	.18749	.20192	z *****	.20214
Stddev	.0104	.00017	.00107	-----	.00015
%RSD	.11126	.08860	.53119	-----	.07432
#1	9.3359	.18761	.20268	z 88.93	.20225
#2	9.3212	.18737	.20116	z 92.93	.20203

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-604724/2-A Acquired: 11/18/2021 17:28:47 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20641	.20062	.20236	z *****
Stddev	.00142	.00091	.00085	-----
%RSD	.68871	.45155	.42211	-----

#1	.20540	.20126	.20296	z 377.5
#2	.20741	.19998	.20176	z 382.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4070.6	2687.2	73877.	4032.1
Stddev	4.6	5.0	47.	30.5
%RSD	.11300	.18573	.06360	.75588

#1	4073.8	2683.7	73911.	4053.6
#2	4067.3	2690.7	73844.	4010.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.129%	100.90%	98.752%	99.772%
Range				

Sample Name: 480-191982-T-4-A Acquired: 11/18/2021 17:32:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.02936	-.00269	.09501	.05107
Stddev	.00012	.00198	.00005	.00065	.00012
%RSD	65.684	6.7503	1.9452	.68759	.23344
#1	.00009	.02796	-.00273	.09547	.05099
#2	.00026	.03076	-.00265	.09454	.05115

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	220.42	.00030	.0159	.00012
Stddev	.00000	1.89	.00002	.0050	.00010
%RSD	.41252	.85596	7.2462	31.69	83.484
#1	-.00013	221.75	.00032	.0195	.00005
#2	-.00013	219.08	.00029	.0123	.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00423	.01594	8.7298	.01340
Stddev	.00027	.00034	.00296	.0229	.00019
%RSD	75.599	8.1423	18.555	.26225	1.3977
#1	.00055	.00447	.01384	8.7459	.01327
#2	.00017	.00399	.01803	8.7136	.01353

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191982-T-4-A Acquired: 11/18/2021 17:32:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	52.469	.05156	-.00122	41.558	.00230
Stddev	.040	.00011	.00038	.067	.00039
%RSD	.07532	.20561	30.960	.16019	16.781
#1	52.441	.05148	-.00095	41.605	.00257
#2	52.496	.05163	-.00149	41.511	.00203

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00004	F 99.66	-.00274	-.00297
Stddev	-----	.00030	.20	.00049	.00172
%RSD	-----	698.83	.2024	17.920	57.934
#1	z 181.2	-.00017	99.80	-.00240	-.00175
#2	z 182.4	.00026	99.52	-.00309	-.00418

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.760	-.00136	.75143	z *****	.00097
Stddev	.069	.00002	.00126	-----	.00000
%RSD	.64541	1.6227	.16766	-----	.28601
#1	10.809	-.00138	.75054	z 101.8	.00097
#2	10.710	-.00135	.75232	z 100.2	.00097

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191982-T-4-A Acquired: 11/18/2021 17:32:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00012	.00009	.00206	z *****
Stddev	.00020	.00005	.00037	-----
%RSD	172.98	50.963	17.758	-----

#1	.00026	.00012	.00180	z 344.8
#2	-.00003	.00006	.00232	z 336.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3666.4	2483.8	68044.	3882.6
Stddev	3.9	5.7	179.	67.4
%RSD	.10674	.22987	.26353	1.7348

#1	3663.7	2479.8	68171.	3834.9
#2	3669.2	2487.9	67918.	3930.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.784%	93.268%	90.955%	96.072%
Range				

Sample Name: 480-192051-I-1-A Acquired: 11/18/2021 17:36:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.02763	-.00001	1.3154	1.2539
Stddev	.00015	.00150	.00203	.0007	.0027
%RSD	78.096	5.4263	31310.	.05374	.21944
#1	.00029	.02657	.00143	1.3159	1.2520
#2	.00008	.02869	-.00144	1.3149	1.2559

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	160.30	.00012	.0133	.00330
Stddev	.00001	.57	.00001	.0041	.00026
%RSD	6.0702	.35466	11.746	30.48	7.8801
#1	-.00014	160.70	.00011	.0162	.00311
#2	-.00012	159.90	.00013	.0104	.00348

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00134	.00289	3.4955	26.782	.03311
Stddev	.00001	.00029	.0049	.002	.00029
%RSD	.78261	10.021	.14120	.00654	.88708
#1	.00134	.00310	3.4990	26.781	.03290
#2	.00133	.00269	3.4920	26.784	.03332

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192051-I-1-A Acquired: 11/18/2021 17:36:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	47.006	.22417	-.00311	86.132	.01004
Stddev	.188	.00045	.00010	.192	.00026
%RSD	.39931	.20130	3.0693	.22273	2.5559
#1	46.874	.22385	-.00318	86.268	.01022
#2	47.139	.22449	-.00304	85.996	.00986

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00031	1.482	-.00343	-.00624
Stddev	-----	.00093	.005	.00227	.00083
%RSD	-----	297.27	.3355	66.255	13.347
#1	z 175.8	.00097	1.485	-.00182	-.00566
#2	z 176.1	-.00035	1.478	-.00503	-.00683

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.0932	-.00002	1.9459	z *****	.00097
Stddev	.0416	.00014	.0014	-----	.00007
%RSD	.45734	728.44	.07289	-----	6.9883
#1	9.0638	-.00012	1.9469	z 96.70	.00092
#2	9.1226	.00008	1.9449	z 93.44	.00102

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192051-I-1-A Acquired: 11/18/2021 17:36:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00040	-0.00028	.00275	z *****
Stddev	.00036	.00010	.00040	-----
%RSD	90.321	37.109	14.692	-----

#1	-0.00014	-0.00021	.00246	z 336.0
#2	-0.00065	-0.00036	.00304	z 332.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3628.9	2468.8	68343.	3923.5
Stddev	6.8	1.4	130.	10.3
%RSD	.18661	.05871	.18968	.26186

#1	3624.2	2467.8	68435.	3930.8
#2	3633.7	2469.8	68252.	3916.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.917%	92.703%	91.355%	97.085%
Range				

Sample Name: 480-192059-C-1-B Acquired: 11/18/2021 17:40:04 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.78677	.00095	.02557	.23544
Stddev	.00005	.01023	.00074	.00041	.00102
%RSD	12.117	1.3007	78.258	1.5933	.43196

#1	.00048	.79401	.00147	.02586	.23473
#2	.00040	.77954	.00042	.02528	.23616

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	23.019	.00123	.0367	.00058
Stddev	.00008	.054	.00001	.0112	.00010
%RSD	45.410	.23564	.93194	30.54	17.850

#1	.00012	23.058	.00122	.0446	.00065
#2	.00023	22.981	.00124	.0287	.00050

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00510	1.0537	5.1239	.00402
Stddev	.00027	.00023	.0011	.0027	.00009
%RSD	25.240	4.4711	.10012	.05249	2.2657

#1	.00126	.00494	1.0545	5.1258	.00409
#2	.00088	.00526	1.0530	5.1220	.00396

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192059-C-1-B Acquired: 11/18/2021 17:40:04 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.5252	2.8500	-0.00383	657.00	.00386
Stddev	.0095	.0009	.00005	2.08	.00024
%RSD	.26852	.03062	1.2112	.31634	6.2681
#1	3.5185	2.8506	-0.00387	658.47	.00404
#2	3.5319	2.8493	-0.00380	655.53	.00369

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00254	9.365	-0.00194	-0.00640
Stddev	-----	.00038	.027	.00028	.00343
%RSD	-----	15.072	.2852	14.183	53.580
#1	z 172.2	.00227	9.346	-0.00175	-0.00397
#2	z 172.9	.00281	9.384	-0.00214	-0.00882

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.5281	-0.00035	.19432	z *****	.07701
Stddev	.0281	.00033	.00088	-----	.00021
%RSD	.50832	94.775	.45328	-----	.26888
#1	5.5082	-0.00059	.19494	z 89.54	.07686
#2	5.5479	-0.00012	.19370	z 87.88	.07716

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192059-C-1-B Acquired: 11/18/2021 17:40:04 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00088	.00206	.03209	z *****
Stddev	.00083	.00002	.00013	-----
%RSD	94.233	.95265	.40141	-----

#1	.00029	.00208	.03218	z 327.3
#2	.00147	.00205	.03200	z 324.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3438.4	2380.7	66132.	3952.1
Stddev	4.9	5.5	63.	16.5
%RSD	.14178	.22995	.09512	.41631

#1	3441.8	2384.5	66176.	3940.5
#2	3434.9	2376.8	66087.	3963.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	79.510%	89.395%	88.398%	97.793%
Range				

Sample Name: 480-192059-C-2-B Acquired: 11/18/2021 17:44:02 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.04561	-.00157	.01753	.02273
Stddev	.00010	.01756	.00097	.00007	.00005
%RSD	55.949	38.494	61.653	.38064	.21158
#1	.00024	.05802	-.00089	.01758	.02276
#2	.00011	.03319	-.00226	.01748	.02269

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	8.3010	.00014	.0000	.00006
Stddev	.00008	.0051	.00001	.0004	.00005
%RSD	169.17	.06173	9.5755	3067.	77.176
#1	-.00010	8.3046	.00014	.0003	.00003
#2	.00001	8.2974	.00013	-.0003	.00010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00071	.07133	1.1821	.00185
Stddev	.00009	.00032	.00488	.0296	.00004
%RSD	20.049	44.658	6.8460	2.5060	2.3054
#1	.00054	.00094	.06787	1.1612	.00188
#2	.00040	.00049	.07478	1.2031	.00182

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192059-C-2-B Acquired: 11/18/2021 17:44:02 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.2014	.00734	-.00371	17.808	.00020
Stddev	.0038	.00000	.00008	.001	.00003
%RSD	.17294	.04972	2.0819	.00599	14.555
#1	2.1987	.00734	-.00366	17.808	.00022
#2	2.2041	.00735	-.00376	17.809	.00018

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00037	3.846	-.00213	-.00270
Stddev	-----	.00076	.007	.00077	.00041
%RSD	-----	205.37	.1853	36.164	15.157
#1	z 150.4	.00091	3.851	-.00158	-.00299
#2	z 150.6	-.00017	3.841	-.00267	-.00241

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.9829	-.00028	.05359	z *****	.00409
Stddev	.0379	.00079	.00020	-----	.00016
%RSD	.76126	282.71	.36967	-----	3.9232
#1	4.9561	-.00084	.05345	z 88.02	.00420
#2	5.0097	.00028	.05373	z 87.74	.00398

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192059-C-2-B Acquired: 11/18/2021 17:44:02 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00071	.00023	.00274	z *****
Stddev	.00081	.00016	.00017	-----
%RSD	113.93	71.478	6.0538	-----

#1	-0.00014	.00011	.00263	z 324.8
#2	-0.00128	.00035	.00286	z 328.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4137.3	2573.7	74191.	4055.5
Stddev	2.7	1.5	141.	16.7
%RSD	.06609	.05658	.18943	.41135

#1	4139.3	2572.7	74092.	4043.7
#2	4135.4	2574.8	74291.	4067.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.673%	96.644%	99.172%	100.35%
Range				

Sample Name: 480-191827-D-1-A Acquired: 11/18/2021 17:47:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00002	.03278	.00803	.46785	.11971
Stddev	.00016	.00432	.00171	.00067	.00004
%RSD	853.11	13.171	21.273	.14322	.03305
#1	.00009	.03583	.00682	.46737	.11968
#2	-.00013	.02973	.00923	.46832	.11973

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	169.35	.00027	.0140	.00191
Stddev	.00005	.21	.00000	.0138	.00004
%RSD	63.196	.12603	1.1404	98.62	2.2745
#1	-.00005	169.20	.00027	.0238	.00188
#2	-.00013	169.50	.00028	.0042	.00194

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00072	4.0414	3.8284	.01868
Stddev	.00025	.00013	.0262	.0357	.00067
%RSD	103.91	17.496	.64744	.93132	3.5631
#1	.00007	.00063	4.0599	3.8536	.01821
#2	.00043	.00081	4.0229	3.8032	.01915

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-1-A Acquired: 11/18/2021 17:47:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	99.981	.13240	.00520	49.442	.00501
Stddev	.196	.00044	.00009	.107	.00030
%RSD	.19561	.33164	1.7260	.21715	5.9873
#1	99.843	.13209	.00513	49.366	.00480
#2	100.12	.13271	.00526	49.518	.00522

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00025	F 137.1	-.00264	-.00539
Stddev	-----	.00119	.3	.00041	.00092
%RSD	-----	477.12	.1940	15.619	17.012
#1	z 196.5	-.00059	137.3	-.00235	-.00603
#2	z 195.8	.00109	136.9	-.00293	-.00474

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	8.8207	.00005	1.1245	z *****	.00110
Stddev	.0726	.00049	.0014	-----	.00015
%RSD	.82271	916.96	.12480	-----	13.698
#1	8.8720	.00040	1.1235	z 103.3	.00099
#2	8.7694	-.00029	1.1255	z 100.8	.00121

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-1-A Acquired: 11/18/2021 17:47:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00023	-.00025	.00052	z *****
Stddev	.00090	.00004	.00010	-----
%RSD	390.28	15.332	18.640	-----

#1	.00086	-.00027	.00059	z 329.1
#2	-.00040	-.00022	.00045	z 330.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3659.0	2398.4	68957.	3962.8
Stddev	2.1	3.8	176.	17.0
%RSD	.05857	.15977	.25527	.42839

#1	3660.5	2401.1	69082.	3974.8
#2	3657.5	2395.7	68833.	3950.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.611%	90.062%	92.176%	98.058%
Range				

Sample Name: 480-191827-D-2-A Acquired: 11/18/2021 17:51:35 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.02274	-.00180	.35614	.10207
Stddev	.00015	.00997	.00262	.00002	.00010
%RSD	429.85	43.853	145.09	.00523	.09870
#1	-.00007	.01569	.00005	.35613	.10214
#2	.00014	.02979	-.00365	.35615	.10200

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	121.85	.00024	.0131	.00309
Stddev	.00001	.23	.00020	.0204	.00005
%RSD	6.4250	.18576	82.806	155.3	1.6343
#1	-.00014	121.69	.00010	.0275	.00306
#2	-.00016	122.01	.00038	-.0013	.00313

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00063	.00038	.87418	4.6900	.01846
Stddev	.00022	.00012	.00623	.0142	.00004
%RSD	35.873	32.716	.71229	.30365	.23331
#1	.00079	.00029	.86978	4.6800	.01843
#2	.00047	.00047	.87858	4.7001	.01849

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-2-A Acquired: 11/18/2021 17:51:35 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	69.541	.21665	.00250	46.120	.00645
Stddev	.177	.00030	.00005	.181	.00021
%RSD	.25427	.13637	1.8199	.39199	3.2494
#1	69.666	.21686	.00247	45.992	.00660
#2	69.415	.21644	.00254	46.248	.00630

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00047	36.27	-.00193	-.00714
Stddev	-----	.00012	.07	.00027	.00487
%RSD	-----	24.911	.1874	13.940	68.134
#1	z 176.2	-.00055	36.32	-.00212	-.01058
#2	z 175.8	-.00039	36.22	-.00174	-.00370

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.7814	.00043	.57455	z *****	.00063
Stddev	.0261	.00010	.00190	-----	.00031
%RSD	.33586	23.683	.33122	-----	49.082
#1	7.7630	.00036	.57320	z 94.00	.00085
#2	7.7999	.00051	.57590	z 96.61	.00041

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-2-A Acquired: 11/18/2021 17:51:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00007	-0.00018	.00113	z *****
Stddev	.00096	.00023	.00018	-----
%RSD	1326.1	124.28	16.283	-----

#1	-0.00075	-0.00035	.00100	z 326.4
#2	.00061	-0.00002	.00126	z 328.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3722.5	2406.3	69934.	3997.2
Stddev	7.7	.5	23.	14.6
%RSD	.20708	.02243	.03249	.36411

#1	3727.9	2405.9	69950.	4007.5
#2	3717.0	2406.6	69918.	3986.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.080%	90.355%	93.481%	98.909%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 17:55:21 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96621	47.160	.97673	1.0352	.94364	.94926	48.856	1.0179
Stddev	.00334	.097	.00227	.0033	.00237	.00225	.235	.0009
%RSD	.34526	.20654	.23199	.31940	.25065	.23682	.48178	.08860
#1	.96857	47.091	.97833	1.0328	.94197	.95085	49.022	1.0172
#2	.96385	47.229	.97513	1.0375	.94531	.94767	48.689	1.0185

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9639	.97786	.96023	.95299	48.709	47.382	.96888	48.703
Stddev	.0025	.00299	.00015	.00474	.014	.008	.00072	.174
%RSD	.2598	.30559	.01523	.49728	.02791	.01790	.07402	.35644
#1	.9621	.97998	.96033	.95634	48.719	47.376	.96837	48.826
#2	.9657	.97575	.96013	.94964	48.700	47.388	.96938	48.580

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.96690	.99169	45.513	.94487	z *****	.99200	25.90	1.0038
Stddev	.00417	.00437	.103	.00018	----	.00258	.06	.0019
%RSD	.43170	.44067	.22612	.01886	----	.25978	.2336	.18812
#1	.96985	.98860	45.440	.94500	z 11000.	.99382	25.86	1.0025
#2	.96395	.99478	45.586	.94475	z 11050.	.99018	25.95	1.0052

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 17:55:21 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.98730	9.6319	.98283	.92453	z *****	.95688	.95535	.95185
Stddev	.00173	.0172	.00089	.00240	----	.00352	.00357	.00462
%RSD	.17496	.17856	.09011	.25940	----	.36831	.37326	.48560
#1	.98608	9.6197	.98346	.92284	z 245.3	.95937	.95787	.95512
#2	.98852	9.6440	.98221	.92623	z 245.9	.95438	.95283	.94858

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.99657	z *****
Stddev	.00033	----
%RSD	.03286	----
#1	.99633	z 2734.
#2	.99680	z 2763.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3750.2	2506.3	71142.	3992.5
Stddev	12.0	4.8	344.	27.8
%RSD	.31980	.19053	.48302	.69705
#1	3741.7	2502.9	70899.	3972.8
#2	3758.7	2509.7	71385.	4012.2

Sample Name: CCB-6785149 Acquired: 11/18/2021 17:58:57 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	-.00735	.00071	-.00024	.00009	-.00010	-.00316	-.00009
Stddev	.00074	.02550	.00172	.00010	.00001	.00006	.00183	.00001
%RSD	197.27	346.97	240.53	42.857	11.274	61.600	58.068	14.116
#1	-.00015	.01068	.00193	-.00017	.00009	-.00014	-.00446	-.00008
#2	.00090	-.02538	-.00050	-.00031	.00008	-.00005	-.00186	-.00010

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.00004	.00007	-.00012	.00505	.05176	.00073	.00044
Stddev	.0033	.00008	.00007	.00001	.00091	.00742	.00093	.00062
%RSD	539.8	185.73	94.867	8.2665	17.915	14.341	126.99	140.82
#1	.0030	.00010	.00002	-.00011	.00441	.05701	.00007	.00088
#2	-.0017	-.00001	.00012	-.00012	.00569	.04651	.00139	.00000

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00002	.00262	.04077	-.00025	z *****	-.00021	.0041	-.00186
Stddev	.00002	.00106	.00000	.00001	----	.00019	.0003	.00098
%RSD	98.059	40.262	.00681	4.0230	----	90.374	8.577	52.488
#1	.00001	.00337	.04076	-.00026	z 141.7	-.00008	.0038	-.00256
#2	.00004	.00187	.04077	-.00024	z 143.6	-.00035	.0043	-.00117

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 17:58:57 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00126	-.01223	-.00043	.00002	z *****	.00034	-.00008	-.00000
Stddev	.00229	.01131	.00061	.00000	----	.00001	.00003	.00007
%RSD	181.48	92.480	141.03	18.884	----	3.1496	36.860	2147.6
#1	-.00036	-.02023	-.00086	.00002	z 92.45	.00035	-.00010	-.00006
#2	.00288	-.00423	-.00000	.00002	z 92.15	.00034	-.00006	.00005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00043	z *****
Stddev	.00011	----
%RSD	24.538	----
#1	-.00036	z 345.1
#2	-.00051	z 342.1

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4324.0	2627.3	75391.	3938.5
Stddev	3.9	6.3	281.	13.8
%RSD	.09078	.23850	.37261	.35148
#1	4326.8	2622.9	75192.	3948.3
#2	4321.2	2631.7	75589.	3928.7

Sample Name: CCVL-6768474 Acquired: 11/18/2021 18:02:47 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00563	.18411	.01226	.01864	.00204	.00181	.50477	.00193
Stddev	.00005	.00046	.00172	.00058	.00000	.00001	.00697	.00007
%RSD	.89464	.24878	14.064	3.1271	.23774	.71009	1.3814	3.5714
#1	.00567	.18443	.01104	.01906	.00204	.00182	.49984	.00188
#2	.00559	.18378	.01348	.01823	.00203	.00180	.50970	.00198

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.00365	.00388	.00941	.05016	.52004	.02830	.19549
Stddev	.0167	.00019	.00004	.00019	.00134	.01806	.00136	.00460
%RSD	184.5	5.1311	.95929	1.9882	2.6767	3.4729	4.8093	2.3539
#1	.0208	.00378	.00385	.00954	.04921	.50727	.02927	.19223
#2	-.0027	.00352	.00391	.00927	.05111	.53281	.02734	.19874

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00326	.00772	.94718	.00915	z *****	.00931	.1836	.01863
Stddev	.00000	.00012	.00584	.00002	----	.00041	.0016	.00099
%RSD	.12215	1.5471	.61664	.22836	----	4.4341	.8863	5.3323
#1	.00327	.00780	.94305	.00914	z 139.6	.00960	.1824	.01934
#2	.00326	.00763	.95131	.00917	z 139.5	.00901	.1847	.01793

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 18:02:47 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02202	.44183	.00871	.00467	z *****	.00440	.01897	.00449
Stddev	.00063	.01161	.00005	.00006	----	.00000	.00034	.00001
%RSD	2.8400	2.6277	.58481	1.3853	----	.03042	1.7691	.31656
#1	.02247	.43362	.00868	.00463	z 93.95	.00440	.01873	.00450
#2	.02158	.45004	.00875	.00472	z 93.90	.00440	.01920	.00448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01023	z *****
Stddev	.00003	----
%RSD	.27691	----
#1	.01021	z 346.8
#2	.01025	z 357.0

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4326.9	2678.3	75502.	3906.0
Stddev	9.6	2.2	222.	58.3
%RSD	.22221	.08157	.29370	1.4930
#1	4333.7	2679.9	75659.	3947.3
#2	4320.1	2676.8	75346.	3864.8

Sample Name: 480-191827-D-3-A Acquired: 11/18/2021 18:06:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.01768	-.00175	.63444	.04077
Stddev	.00007	.01104	.00129	.00041	.00004
%RSD	53.873	62.415	73.614	.06482	.08656
#1	.00018	.02548	-.00266	.63415	.04075
#2	.00008	.00988	-.00084	.63473	.04080

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	324.85	.00032	.0216	.00257
Stddev	.00011	.16	.00010	.0133	.00033
%RSD	275.77	.04959	31.896	61.66	12.702
#1	-.00012	324.74	.00025	.0310	.00234
#2	.00004	324.97	.00039	.0122	.00280

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00101	4.7779	4.1593	.01233
Stddev	.00033	.00002	.0090	.0331	.00148
%RSD	92.255	2.3930	.18904	.79455	12.048
#1	.00058	.00099	4.7843	4.1827	.01128
#2	.00012	.00102	4.7715	4.1359	.01338

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-191827-D-3-A Acquired: 11/18/2021 18:06:37 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	180.62	.24013	.00301	51.860	.00329
Stddev	.32	.00033	.00029	.127	.00015
%RSD	.17522	.13606	9.5873	.24474	4.4863
#1	180.40	.23990	.00281	51.950	.00339
#2	180.85	.24037	.00322	51.771	.00318

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00019	F 409.7	-.00403	-.00516
Stddev	-----	.00048	.6	.00032	.00178
%RSD	-----	254.31	.1575	8.0204	34.515
#1	z 206.3	.00015	410.1	-.00380	-.00641
#2	z 206.4	-.00053	409.2	-.00426	-.00390

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.0452	-.00068	2.6346	z *****	.00131
Stddev	.0153	.00053	.0057	-----	.00008
%RSD	.25254	77.617	.21474	-----	6.0854
#1	6.0560	-.00105	2.6386	z 112.1	.00126
#2	6.0344	-.00031	2.6306	z 114.9	.00137

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-3-A Acquired: 11/18/2021 18:06:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0023	-0.0041	.00139	z *****
Stddev	.00234	.00010	.00074	-----
%RSD	1024.1	24.346	53.561	-----

#1	.00143	-0.00034	.00086	z 350.0
#2	-0.00188	-0.00049	.00191	z 347.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3531.8	2406.2	66906.	3813.9
Stddev	11.3	6.0	227.	1.5
%RSD	.31887	.24930	.33897	.03957

#1	3523.8	2401.9	67067.	3812.8
#2	3539.7	2410.4	66746.	3815.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.670%	90.352%	89.434%	94.373%
Range				

Sample Name: 480-191827-D-4-A Acquired: 11/18/2021 18:10:34 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.02897	-.00073	.30331	.05137
Stddev	.00017	.02012	.00121	.00065	.00013
%RSD	221.18	69.448	164.72	.21272	.24918
#1	.00020	.01474	.00012	.30377	.05128
#2	-.00004	.04319	-.00159	.30286	.05146

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	76.444	.00021	-.0280	-.00003
Stddev	.00002	.020	.00000	.0061	.00013
%RSD	23.387	.02561	.91956	21.90	398.77
#1	-.00007	76.458	.00021	-.0237	-.00013
#2	-.00010	76.430	.00021	-.0323	.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00038	2.1838	3.9482	.00955
Stddev	.00024	.00018	.0048	.0136	.00105
%RSD	97.632	47.017	.21872	.34339	11.047
#1	.00008	.00025	2.1872	3.9577	.01029
#2	.00042	.00051	2.1804	3.9386	.00880

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-4-A Acquired: 11/18/2021 18:10:34 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	40.874	.02582	.01454	15.726	-.00020
Stddev	.000	.00019	.00009	.077	.00008
%RSD	.00020	.72005	.63651	.49189	37.216
#1	40.875	.02595	.01448	15.672	-.00015
#2	40.874	.02568	.01461	15.781	-.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00033	22.15	-.00290	-.00353
Stddev	-----	.00081	.01	.00115	.00142
%RSD	-----	244.99	.0446	39.557	40.071
#1	z 181.8	.00024	22.15	-.00371	-.00453
#2	z 182.9	-.00091	22.14	-.00209	-.00253

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.9174	-.00087	.71446	z *****	.00028
Stddev	.0222	.00045	.00211	-----	.00007
%RSD	.45254	51.811	.29601	-----	25.659
#1	4.9332	-.00118	.71297	z 94.99	.00033
#2	4.9017	-.00055	.71596	z 95.89	.00023

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-4-A Acquired: 11/18/2021 18:10:34 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00056	-0.00021	.00180	z *****
Stddev	.00014	.00000	.00029	-----
%RSD	24.400	1.6815	15.953	-----

#1	-0.00066	-0.00021	.00160	z 330.1
#2	-0.00047	-0.00020	.00200	z 330.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3890.8	2543.7	71338.	3979.6
Stddev	9.3	5.3	15.	.6
%RSD	.23785	.20838	.02135	.01427

#1	3884.3	2539.9	71327.	3980.0
#2	3897.3	2547.4	71348.	3979.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.972%	95.515%	95.357%	98.474%
Range				

Sample Name: 480-191827-D-5-A Acquired: 11/18/2021 18:14:21 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00032	.20161	-0.00107	.68109	.05450
Stddev	.00033	.00956	.00170	.00102	.00024
%RSD	102.16	4.7406	159.23	.14959	.44293
#1	-0.00009	.19485	-0.00227	.68036	.05433
#2	-0.00056	.20837	.00013	.68181	.05467

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	50.540	.00015	.0099	.00015
Stddev	.00003	.061	.00001	.0306	.00000
%RSD	38.686	.12006	4.4866	309.7	2.1880
#1	-0.00011	50.583	.00014	.0315	.00015
#2	-0.00006	50.497	.00015	-.0118	.00015

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00079	.00079	.31939	2.4981	.01203
Stddev	.00044	.00016	.00602	.0004	.00079
%RSD	55.636	19.845	1.8852	.01712	6.5559
#1	.00048	.00068	.32364	2.4984	.01147
#2	.00110	.00090	.31513	2.4978	.01259

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191827-D-5-A Acquired: 11/18/2021 18:14:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	35.403	.00947	.01683	35.658	.00114
Stddev	.093	.00004	.00015	.079	.00027
%RSD	.26146	.38063	.89983	.22188	23.234
#1	35.337	.00944	.01672	35.602	.00095
#2	35.468	.00949	.01694	35.714	.00133

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00041	15.88	-.00234	-.00549
Stddev	-----	.00036	.04	.00000	.00205
%RSD	-----	88.793	.2380	.12531	37.394
#1	z 172.3	.00067	15.85	-.00234	-.00694
#2	z 173.1	.00015	15.91	-.00234	-.00404

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.2291	-.00052	1.0168	z *****	.00340
Stddev	.0010	.00001	.0027	-----	.00013
%RSD	.01997	1.9394	.27066	-----	3.9219
#1	5.2284	-.00053	1.0149	z 94.35	.00349
#2	5.2299	-.00051	1.0188	z 94.39	.00330

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-191827-D-5-A Acquired: 11/18/2021 18:14:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00009	.00037	.00229	z *****
Stddev	.00105	.00003	.00081	-----
%RSD	1120.3	8.9973	35.475	-----

#1	-0.00083	.00039	.00287	z 324.6
#2	.00065	.00035	.00172	z 326.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3913.6	2553.7	72281.	4014.8
Stddev	8.1	7.4	494.	12.7
%RSD	.20660	.29073	.68381	.31685

#1	3919.3	2558.9	72631.	4005.8
#2	3907.9	2548.4	71932.	4023.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.499%	95.892%	96.619%	99.345%
Range				

Sample Name: 480-192007-D-1-A Acquired: 11/18/2021 18:18:07 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0021	.01151	.00101	.21878	.09602
Stddev	.00103	.00778	.00153	.00049	.00021
%RSD	479.84	67.562	152.09	.22532	.21589
#1	-0.0094	.01702	-0.0008	.21843	.09587
#2	.00051	.00601	.00209	.21913	.09617

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	167.66	.00040	-0.0120	.00176
Stddev	.00003	.15	.00011	.0096	.00012
%RSD	15.342	.09067	27.268	80.02	6.6789
#1	-0.0015	167.55	.00048	-0.0052	.00168
#2	-0.0019	167.76	.00032	-0.0188	.00184

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00051	3.7839	2.8909	.01722
Stddev	.00007	.00011	.0081	.0173	.00050
%RSD	15.053	21.360	.21391	.59941	2.9247
#1	.00052	.00043	3.7896	2.9032	.01687
#2	.00042	.00059	3.7781	2.8787	.01758

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192007-D-1-A Acquired: 11/18/2021 18:18:07 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	90.173	.18446	.00361	42.623	.00220
Stddev	.053	.00007	.00010	.008	.00015
%RSD	.05908	.03564	2.8054	.01857	6.9302
#1	90.211	.18441	.00353	42.628	.00231
#2	90.135	.18450	.00368	42.617	.00209

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00032	F 96.91	-.00306	-.00697
Stddev	-----	.00063	.14	.00119	.00135
%RSD	-----	196.02	.1472	38.793	19.298
#1	z 182.6	.00012	96.81	-.00390	-.00792
#2	z 181.9	-.00077	97.02	-.00222	-.00602

Check ? None **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.3217	-.00104	1.1897	z *****	.00067
Stddev	.0057	.00138	.0028	-----	.00004
%RSD	.07830	133.15	.23738	-----	6.2700
#1	7.3176	-.00202	1.1917	z 103.6	.00070
#2	7.3257	-.00006	1.1877	z 102.6	.00064

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192007-D-1-A Acquired: 11/18/2021 18:18:07 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00066	-.00056	.00214	z *****
Stddev	.00134	.00007	.00069	-----
%RSD	202.70	12.305	32.368	-----

#1	.00161	-.00052	.00263	z 337.7
#2	-.00029	-.00061	.00165	z 337.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3691.1	2481.2	68686.	3861.5
Stddev	10.4	5.7	62.	45.5
%RSD	.28167	.22963	.08976	1.1791

#1	3683.8	2477.2	68729.	3893.7
#2	3698.5	2485.2	68642.	3829.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.355%	93.170%	91.813%	95.550%
Range				

Sample Name: 480-192007-D-2-A Acquired: 11/18/2021 18:21:54 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00185	-.00418	.64264	.17385
Stddev	.00038	.01237	.00209	.00065	.00036
%RSD	174.39	669.14	50.100	.10191	.20725
#1	.00049	-.01060	-.00566	.64311	.17359
#2	-.00005	.00690	-.00270	.64218	.17410

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	104.34	.00027	-.0142	.00031
Stddev	.00005	.08	.00011	.0292	.00001
%RSD	81.103	.07880	39.691	206.4	1.9676
#1	-.00010	104.28	.00035	.0065	.00031
#2	-.00003	104.40	.00020	-.0348	.00030

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00225	.01559	2.0499	.00966
Stddev	.00010	.00038	.00192	.0314	.00054
%RSD	51.812	17.083	12.318	1.5325	5.5609
#1	.00026	.00197	.01694	2.0277	.00928
#2	.00012	.00252	.01423	2.0721	.01003

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192007-D-2-A Acquired: 11/18/2021 18:21:54 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	57.644	.02925	.00182	37.323	.00080
Stddev	.163	.00008	.00005	.007	.00006
%RSD	.28216	.27575	2.6276	.01908	7.3684

#1	57.529	.02920	.00179	37.328	.00084
#2	57.759	.02931	.00186	37.318	.00076

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00063	50.70	-.00210	-.00551
Stddev	-----	.00211	.18	.00068	.00139
%RSD	-----	337.07	.3625	32.278	25.166

#1	z 177.0	.00212	50.83	-.00162	-.00649
#2	z 176.6	-.00087	50.57	-.00258	-.00453

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.1209	-.00035	1.5197	z *****	.00054
Stddev	.0341	.00003	.0001	-----	.00015
%RSD	.37386	9.3529	.00725	-----	28.366

#1	9.0968	-.00033	1.5197	z 96.35	.00064
#2	9.1450	-.00037	1.5198	z 96.81	.00043

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192007-D-2-A Acquired: 11/18/2021 18:21:54 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00021	-.00014	-.00058	z *****
Stddev	.00067	.00040	.00017	-----
%RSD	319.66	280.96	28.341	-----

#1	-.00026	.00014	-.00070	z 337.9
#2	.00068	-.00042	-.00047	z 335.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3753.9	2525.8	69236.	3882.1
Stddev	4.3	1.1	17.	1.6
%RSD	.11365	.04536	.02472	.04247

#1	3756.9	2526.6	69224.	3883.3
#2	3750.9	2525.0	69248.	3880.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.806%	94.845%	92.548%	96.060%
Range				

Sample Name: 480-192007-D-3-A Acquired: 11/18/2021 18:25:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	.01556	.00242	.04690	.06615
Stddev	.00013	.01142	.00136	.00055	.00024
%RSD	126.49	73.351	56.234	1.1832	.36269
#1	-0.00001	.00749	.00338	.04729	.06598
#2	-0.00019	.02363	.00146	.04651	.06632

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00014	48.990	.00022	-0.0024	.00012
Stddev	.00002	.180	.00008	.0217	.00008
%RSD	18.014	.36664	36.533	915.7	65.912
#1	-0.00012	48.863	.00016	.0130	.00018
#2	-0.00015	49.117	.00028	-.0177	.00007

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00058	.00132	.03802	8.5992	.00583
Stddev	.00031	.00007	.00257	.0237	.00020
%RSD	53.218	5.4156	6.7684	.27501	3.4629
#1	.00080	.00137	.03620	8.5825	.00569
#2	.00036	.00126	.03984	8.6160	.00597

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192007-D-3-A Acquired: 11/18/2021 18:25:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	22.515	.03310	-.00067	9.3934	.00136
Stddev	.100	.00017	.00003	.0314	.00011
%RSD	.44580	.52525	4.6848	.33377	7.8448
#1	22.444	.03298	-.00069	9.3713	.00128
#2	22.586	.03322	-.00065	9.4156	.00143

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00034	15.64	-.00117	-.00093
Stddev	-----	.00099	.04	.00016	.00137
%RSD	-----	288.57	.2633	13.663	146.87
#1	z 205.8	.00036	15.61	-.00106	.00004
#2	z 204.7	-.00105	15.67	-.00128	-.00190

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.9040	-.00021	.18374	z *****	.00023
Stddev	.0450	.00038	.00043	-----	.00015
%RSD	1.1535	179.13	.23254	-----	66.555
#1	3.8722	.00006	.18344	z 88.56	.00034
#2	3.9359	-.00049	.18404	z 89.22	.00012

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192007-D-3-A Acquired: 11/18/2021 18:25:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00055	.00132	.00882	z *****
Stddev	.00002	.00001	.00021	-----
%RSD	3.1214	.90577	2.3625	-----

#1	.00054	.00131	.00867	z 324.5
#2	.00056	.00133	.00897	z 329.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4021.7	2630.1	72415.	4002.1
Stddev	2.7	8.5	349.	15.6
%RSD	.06609	.32219	.48132	.39075

#1	4023.6	2636.1	72662.	4013.1
#2	4019.8	2624.1	72169.	3991.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.999%	98.761%	96.798%	99.029%
Range				

Sample Name: 480-192007-D-4-A Acquired: 11/18/2021 18:29:27 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-.00202	-.00294	.13491	.08923
Stddev	.00012	.00424	.00146	.00137	.00018
%RSD	51.419	209.41	49.749	1.0126	.20545

#1	.00032	-.00502	-.00398	.13588	.08936
#2	.00015	.00097	-.00191	.13395	.08910

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	111.87	.00023	.0032	.00008
Stddev	.00006	.35	.00010	.0099	.00010
%RSD	54.923	.30975	44.282	307.0	124.85

#1	-.00006	111.62	.00030	-.0038	.00001
#2	-.00014	112.11	.00016	.0103	.00015

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00049	-.00005	1.5319	2.5807	.01183
Stddev	.00002	.00017	.0069	.0043	.00001
%RSD	4.6594	337.63	.45043	.16475	.11932

#1	.00048	.00007	1.5270	2.5837	.01184
#2	.00051	-.00017	1.5368	2.5777	.01182

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192007-D-4-A Acquired: 11/18/2021 18:29:27 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	65.716	.08795	.00022	29.425	-.00024
Stddev	.168	.00031	.00027	.040	.00036
%RSD	.25577	.35183	122.96	.13606	149.47
#1	65.834	.08817	.00003	29.396	.00001
#2	65.597	.08773	.00042	29.453	-.00049

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00027	32.94	-.00306	-.00629
Stddev	-----	.00117	.30	.00027	.00147
%RSD	-----	430.64	.9137	8.7323	23.432
#1	z 186.3	-.00110	33.15	-.00325	-.00733
#2	z 191.1	.00055	32.73	-.00287	-.00525

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.5738	-.00056	.65142	z *****	.00053
Stddev	.0519	.00050	.00164	-----	.00027
%RSD	.68581	89.510	.25251	-----	49.983
#1	7.5371	-.00020	.65026	z 96.95	.00035
#2	7.6105	-.00091	.65258	z 94.87	.00072

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192007-D-4-A Acquired: 11/18/2021 18:29:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0018	-0.0015	-0.0088	z *****
Stddev	.00035	.00003	.00051	-----
%RSD	188.31	22.009	58.190	-----

#1	.00006	-0.0013	-0.0052	z 323.7
#2	-0.0043	-0.0017	-0.0125	z 324.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3792.6	2531.9	70601.	4005.7
Stddev	1.7	13.8	148.	7.1
%RSD	.04580	.54331	.20937	.17753

#1	3791.4	2522.2	70497.	4010.8
#2	3793.9	2541.6	70706.	4000.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.702%	95.073%	94.373%	99.120%
Range				

Sample Name: 480-191949-C-1-A Acquired: 11/18/2021 18:33:13 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.02018	-.00433	.45500	.17532
Stddev	.00053	.00704	.00146	.00104	.00015
%RSD	485.26	34.894	33.786	.22875	.08583
#1	.00048	.01520	-.00329	.45574	.17543
#2	-.00027	.02515	-.00536	.45427	.17522

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	126.16	.00016	-.0103	.00223
Stddev	.00008	.14	.00023	.0154	.00016
%RSD	401.46	.11140	149.31	149.5	7.3312
#1	.00004	126.26	-.00001	.0006	.00235
#2	-.00008	126.06	.00032	-.0212	.00212

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00065	.00040	.03761	4.9715	.02300
Stddev	.00024	.00008	.00173	.0382	.00068
%RSD	35.962	20.085	4.6059	.76785	2.9764
#1	.00049	.00034	.03883	4.9984	.02251
#2	.00082	.00045	.03638	4.9445	.02348

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-191949-C-1-A Acquired: 11/18/2021 18:33:13 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	67.463	.08321	.00165	75.377	.02133
Stddev	.262	.00015	.00003	.145	.00024
%RSD	.38860	.17727	1.8684	.19285	1.1080

#1	67.277	.08310	.00167	75.480	.02116
#2	67.648	.08331	.00163	75.274	.02149

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00045	17.17	-.00164	-.00521
Stddev	-----	.00129	.11	.00162	.00223
%RSD	-----	287.74	.6159	98.972	42.767

#1	z 172.1	.00046	17.24	-.00049	-.00679
#2	z 172.9	-.00136	17.09	-.00278	-.00364

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.0874	.00002	.91540	z *****	.00069
Stddev	.0134	.00049	.00103	-----	.00004
%RSD	.18946	2630.3	.11293	-----	5.9654

#1	7.0969	-.00033	.91613	z 98.40	.00066
#2	7.0779	.00037	.91467	z 98.74	.00071

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-191949-C-1-A Acquired: 11/18/2021 18:33:13 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00095	-.00031	.00041	z *****
Stddev	.00066	.00002	.00013	-----
%RSD	69.906	6.9499	32.077	-----

#1	.00142	-.00032	.00032	z 324.1
#2	.00048	-.00029	.00051	z 329.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3717.7	2539.3	69861.	3972.3
Stddev	2.2	5.7	32.	13.7
%RSD	.06030	.22546	.04633	.34545

#1	3719.3	2535.3	69838.	3962.6
#2	3716.1	2543.4	69884.	3982.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.969%	95.353%	93.384%	98.292%
Range				

Sample Name: 480-191949-C-2-A Acquired: 11/18/2021 18:36:59 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	.00402	.00082	1.2914	.31185
Stddev	.00004	.00038	.00037	.0001	.00276
%RSD	97.317	9.3568	45.247	.00674	.88490
#1	-0.00007	.00375	.00056	1.2915	.30990
#2	-0.00001	.00429	.00109	1.2913	.31380

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	160.03	.00031	.0284	.00077
Stddev	.00001	.42	.00005	.0262	.00008
%RSD	11.783	.26389	15.750	92.33	10.675
#1	-0.00011	160.33	.00034	.0470	.00071
#2	-0.00013	159.74	.00028	.0099	.00083

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.00053	5.2361	16.101	.04191
Stddev	.00004	.00011	.0197	.004	.00094
%RSD	7.8873	20.445	.37530	.02620	2.2526
#1	.00049	.00060	5.2500	16.098	.04124
#2	.00055	.00045	5.2222	16.104	.04258

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-191949-C-2-A Acquired: 11/18/2021 18:36:59 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	109.86	.07208	-.00137	206.42	.02333
Stddev	.16	.00027	.00003	.30	.00007
%RSD	.14877	.38082	2.4726	.14752	.28093
#1	109.74	.07188	-.00139	206.64	.02338
#2	109.97	.07227	-.00135	206.21	.02329

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00059	3.213	-.00231	-.00591
Stddev	-----	.00020	.000	.00246	.00206
%RSD	-----	33.521	.0003	106.58	34.950
#1	z 228.5	.00045	3.213	-.00405	-.00445
#2	z 227.6	.00073	3.213	-.00057	-.00737

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	11.913	.00002	.60937	z *****	.00088
Stddev	.030	.00051	.00011	-----	.00020
%RSD	.24914	3019.3	.01887	-----	23.053
#1	11.892	.00038	.60929	z 104.9	.00103
#2	11.934	-.00034	.60946	z 103.3	.00074

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-191949-C-2-A Acquired: 11/18/2021 18:36:59 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00079	.00074	-0.00053	z *****
Stddev	.00081	.00001	.00006	-----
%RSD	102.69	1.6032	12.039	-----

#1	-0.00137	.00073	-0.00058	z 330.4
#2	-0.00022	.00074	-0.00049	z 323.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3531.6	2483.9	67006.	3906.2
Stddev	6.2	1.5	34.	12.5
%RSD	.17527	.06118	.05090	.31917

#1	3527.2	2482.8	67030.	3915.0
#2	3536.0	2484.9	66982.	3897.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	81.666%	93.269%	89.567%	96.657%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 18:40:56 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95663	47.985	.94171	.94640	.94885	.98178	49.087	.93784
Stddev	.00001	.086	.00362	.00054	.00037	.00076	.067	.00035
%RSD	.00151	.17835	.38416	.05658	.03870	.07723	.13675	.03755
#1	.95664	47.925	.94427	.94602	.94859	.98125	49.039	.93759
#2	.95662	48.046	.93915	.94677	.94911	.98232	49.134	.93809

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.000	.95631	.98605	.95208	49.716	48.763	.95637	49.215
Stddev	.009	.00130	.00157	.00055	.112	.035	.00122	.029
%RSD	.9469	.13585	.15935	.05817	.22533	.07239	.12793	.05868
#1	1.007	.95722	.98494	.95169	49.795	48.738	.95551	49.194
#2	.9935	.95539	.98716	.95247	49.637	48.788	.95724	49.235

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.99852	.97024	48.013	.97473	z *****	.95884	22.88	.92836
Stddev	.00090	.00025	.047	.00293	----	.00023	.05	.00387
%RSD	.09032	.02610	.09730	.30010	----	.02351	.1984	.41667
#1	.99916	.97006	47.980	.97680	z 10830.	.95868	22.84	.92563
#2	.99789	.97042	48.046	.97267	z 10830.	.95900	22.91	.93110

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 18:40:56 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.92653	9.6393	.95705	.96111	z *****	.98128	.98909	.98134
Stddev	.00051	.0068	.00097	.00056	----	.00008	.00283	.00208
%RSD	.05546	.07084	.10162	.05806	----	.00855	.28654	.21187
#1	.92689	9.6345	.95774	.96071	z 247.5	.98122	.99109	.98281
#2	.92616	9.6441	.95636	.96150	z 246.6	.98134	.98708	.97987

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0064	z *****
Stddev	.0052	----
%RSD	.51636	----
#1	1.0028	z 2802.
#2	1.0101	z 2797.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3759.4	2673.1	70066.	3919.1
Stddev	2.3	1.7	102.	12.5
%RSD	.06021	.06212	.14606	.31830
#1	3757.8	2674.3	69994.	3927.9
#2	3761.0	2672.0	70139.	3910.3

Sample Name: CCB-6785149 Acquired: 11/18/2021 18:44:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.00094	.00033	-.00013	.00005	-.00009	-.00181	-.00010
Stddev	.00023	.00211	.00185	.00064	.00001	.00003	.00157	.00008
%RSD	194.69	223.11	556.54	489.33	14.238	36.045	86.759	80.511
#1	-.00028	-.00055	.00164	.00032	.00005	-.00011	-.00292	-.00015
#2	.00004	.00243	-.00097	-.00058	.00006	-.00007	-.00070	-.00004

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078	.00009	-.00002	.00005	.00732	.00028	.00053	-.00014
Stddev	.0066	.00006	.00015	.00005	.00409	.03153	.00038	.00059
%RSD	84.07	64.839	935.82	94.372	55.848	11067.	71.616	417.77
#1	.0124	.00005	.00009	.00002	.00443	.02258	.00080	.00028
#2	.0032	.00013	-.00012	.00009	.01021	-.02201	.00026	-.00056

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00002	.00277	.03785	-.00033	z *****	.00031	.0054	-.00133
Stddev	.00002	.00089	.00144	.00002	----	.00058	.0001	.00165
%RSD	96.514	31.961	3.8128	5.3952	----	190.43	1.489	123.41
#1	.00003	.00340	.03887	-.00035	z 139.6	.00072	.0053	-.00250
#2	.00001	.00215	.03683	-.00032	z 139.4	-.00011	.0055	-.00017

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 18:44:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00115	-.01691	.00019	-.00002	z *****	-.00006	-.00003	-.00008
Stddev	.00180	.01379	.00029	.00004	----	.00004	.00104	.00012
%RSD	156.46	81.521	154.16	197.52	----	73.961	3020.9	143.70
#1	.00243	-.02666	.00039	-.00005	z 90.65	-.00008	.00070	.00000
#2	-.00012	-.00716	-.00002	.00001	z 92.95	-.00003	-.00077	-.00016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00036	z *****
Stddev	.00017	----
%RSD	48.055	----
#1	-.00024	z 334.2
#2	-.00049	z 334.5

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4421.7	2777.8	76153.	3901.5
Stddev	13.6	7.0	170.	.0
%RSD	.30853	.25133	.22365	.00070
#1	4412.0	2772.9	76273.	3901.5
#2	4431.3	2782.7	76032.	3901.5

Sample Name: CCVL-6768474 Acquired: 11/18/2021 18:48:21 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00582	.20708	.01170	.01800	.00205	.00195	.50493	.00186
Stddev	.00027	.00900	.00055	.00027	.00002	.00003	.00538	.00006
%RSD	4.7044	4.3484	4.7124	1.4870	.98042	1.5664	1.0660	3.0968
#1	.00563	.21345	.01131	.01781	.00204	.00197	.50873	.00182
#2	.00601	.20071	.01209	.01819	.00207	.00192	.50112	.00190

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0229	.00371	.00412	.00977	.05427	.50230	.02783	.19062
Stddev	.0071	.00024	.00002	.00028	.00007	.00940	.00016	.00371
%RSD	31.10	6.3594	.37382	2.8425	.12031	1.8710	.55916	1.9447
#1	.0179	.00388	.00414	.00958	.05423	.50895	.02772	.18799
#2	.0279	.00354	.00411	.00997	.05432	.49566	.02794	.19324

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00327	.00813	.97791	.00915	z *****	.00957	.1771	.01759
Stddev	.00008	.00004	.01263	.00005	----	.00043	.0013	.00048
%RSD	2.3868	.44164	1.2920	.58020	----	4.5103	.7362	2.7427
#1	.00322	.00811	.98684	.00919	z 139.2	.00988	.1780	.01725
#2	.00333	.00816	.96898	.00912	z 138.5	.00927	.1762	.01793

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 18:48:21 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02166	.44278	.00899	.00481	z *****	.00467	.01959	.00473
Stddev	.00194	.01177	.00002	.00005	----	.00006	.00167	.00001
%RSD	8.9597	2.6574	.26999	1.0285	----	1.2270	8.5062	.22198
#1	.02028	.43446	.00897	.00485	z 92.50	.00471	.01841	.00472
#2	.02303	.45110	.00901	.00478	z 91.75	.00463	.02076	.00474

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
Value
Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00986	z *****
Stddev	.00036	----
%RSD	3.6771	----
#1	.01011	z 336.2
#2	.00960	z 332.4

Check ? **Chk Pass** None
Value
Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4375.9	2777.2	75698.	3949.6
Stddev	6.1	7.5	120.	4.3
%RSD	.14002	.26907	.15828	.10909
#1	4371.5	2771.9	75783.	3952.6
#2	4380.2	2782.5	75614.	3946.5

Sample Name: MB 480-605253/1-A Acquired: 11/18/2021 18:52:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	-.00750	-.00159	-.00022	.00001
Stddev	.00021	.00033	.00221	.00012	.00000
%RSD	254.88	4.3378	139.04	53.859	82.506
#1	-.00007	-.00773	-.00315	-.00014	.00001
#2	.00024	-.00727	-.00003	-.00031	.00000

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.01005	-.00004	-.0066	.00008
Stddev	.00007	.00365	.00002	.0235	.00007
%RSD	53.173	36.290	49.827	357.3	97.953
#1	-.00008	.01263	-.00006	-.0232	.00013
#2	-.00018	.00747	-.00003	.0100	.00002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00013	-.00006	.00100	.01503	.00087
Stddev	.00008	.00012	.00077	.01044	.00088
%RSD	61.591	211.18	77.297	69.423	100.82
#1	.00007	-.00014	.00154	.02241	.00025
#2	.00019	.00003	.00045	.00765	.00150

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605253/1-A Acquired: 11/18/2021 18:52:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.00020	-.00313	.02785	-.00028
Stddev	.00171	.00001	.00010	.00808	.00005
%RSD	129.54	5.9360	3.2500	29.004	19.106
#1	.00252	.00019	-.00306	.03357	-.00032
#2	.00011	.00021	-.00320	.02214	-.00025

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00026	.0019	-.00066	-.00229
Stddev	-----	.00001	.0005	.00008	.00145
%RSD	-----	2.5806	23.54	12.652	63.222
#1	z 136.8	-.00025	.0016	-.00060	-.00332
#2	z 135.8	-.00026	.0023	-.00072	-.00127

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.01853	-.00020	.00001	z *****	-.00005
Stddev	.00850	.00065	.00005	-----	.00016
%RSD	45.883	318.47	514.96	-----	330.07
#1	-.02454	-.00066	.00004	z 84.95	-.00017
#2	-.01252	.00025	-.00002	z 85.25	.00007

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605253/1-A Acquired: 11/18/2021 18:52:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00037	-.00036	-.00044	z *****
Stddev	.00017	.00004	.00027	-----
%RSD	44.938	10.532	60.388	-----

#1	.00049	-.00039	-.00025	z 323.4
#2	.00025	-.00033	-.00063	z 318.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4383.6	2793.5	76037.	4130.7
Stddev	3.4	3.8	13.	8.0
%RSD	.07702	.13572	.01696	.19309

#1	4381.2	2790.8	76028.	4125.1
#2	4386.0	2796.2	76046.	4136.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.37%	104.90%	101.64%	102.21%
Range				

Sample Name: LCS 480-605253/2-A Acquired: 11/18/2021 18:56:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04729	9.9129	.19738	.19387	.21606
Stddev	.00032	.0070	.00117	.00050	.00022
%RSD	.68031	.07093	.59435	.25660	.10234
#1	.04752	9.9179	.19655	.19422	.21590
#2	.04706	9.9080	.19821	.19352	.21621

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20966	10.049	.19227	.0074	.19162
Stddev	.00030	.019	.00021	.0101	.00021
%RSD	.14354	.19063	.10896	136.6	.10941
#1	.20987	10.062	.19242	.0145	.19177
#2	.20944	10.035	.19212	.0002	.19147

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19963	.19105	10.313	10.020	.19677
Stddev	.00149	.00010	.021	.003	.00145
%RSD	.74392	.05474	.19983	.02731	.73913
#1	.19858	.19098	10.328	10.022	.19574
#2	.20068	.19113	10.299	10.018	.19780

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605253/2-A Acquired: 11/18/2021 18:56:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.138	.20563	.20331	9.8470	.19315
Stddev	.033	.00018	.00030	.0203	.00017
%RSD	.32119	.08908	.14920	.20625	.08715
#1	10.115	.20550	.20309	9.8614	.19303
#2	10.161	.20576	.20352	9.8327	.19327

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19302	9.092	.20399	.18523
Stddev	-----	.00161	.017	.00094	.00016
%RSD	-----	.83214	.1870	.46312	.08756
#1	z 159.2	.19416	9.104	.20466	.18534
#2	z 158.2	.19189	9.080	.20332	.18511

Check ? **None** **Chk Pass** **None** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.2347	.18463	.20391	z *****	.20002
Stddev	.0288	.00030	.00027	-----	.00101
%RSD	.31225	.16326	.13472	-----	.50584
#1	9.2143	.18485	.20411	z 91.89	.19931
#2	9.2551	.18442	.20372	z 93.04	.20074

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: LCS 480-605253/2-A Acquired: 11/18/2021 18:56:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20182	.19884	.20062	z *****
Stddev	.00097	.00025	.00042	-----
%RSD	.47942	.12785	.20944	-----

#1	.20113	.19866	.20092	z 395.7
#2	.20250	.19902	.20032	z 394.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4128.2	2737.7	73824.	3929.6
Stddev	4.0	3.9	237.	9.9
%RSD	.09709	.14269	.32146	.25146

#1	4131.0	2740.4	73656.	3936.6
#2	4125.3	2734.9	73992.	3922.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.461%	102.80%	98.681%	97.236%
Range				

Sample Name: 480-192086-D-1-A Acquired: 11/18/2021 18:59:41 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.20645	.00032	.04317	.08557
Stddev	.00007	.00226	.00045	.00004	.00033
%RSD	66.730	1.0925	141.50	.09950	.38035
#1	.00015	.20486	-.00000	.04320	.08534
#2	.00005	.20805	.00064	.04314	.08580

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	98.901	.00006	.0186	.00012
Stddev	.00002	.375	.00000	.0015	.00005
%RSD	17.359	.37897	1.2232	8.239	38.977
#1	-.00012	99.166	.00006	.0175	.00009
#2	-.00016	98.636	.00006	.0197	.00016

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00121	.00699	.24727	5.8728	.00481
Stddev	.00013	.00024	.00446	.0006	.00026
%RSD	10.585	3.3851	1.8017	.00958	5.4080
#1	.00130	.00715	.25043	5.8731	.00463
#2	.00112	.00682	.24412	5.8724	.00500

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192086-D-1-A Acquired: 11/18/2021 18:59:41 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	21.530	.07451	-.00148	77.402	.00045
Stddev	.017	.00020	.00006	.172	.00004
%RSD	.07785	.26257	4.3301	.22230	9.3584
#1	21.542	.07438	-.00144	77.524	.00048
#2	21.518	.07465	-.00153	77.280	.00042

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00041	17.37	-.00210	-.00481
Stddev	-----	.00154	.02	.00203	.00270
%RSD	-----	375.48	.1391	96.667	56.078
#1	z 169.9	-.00068	17.35	-.00354	-.00672
#2	z 169.5	.00150	17.39	-.00067	-.00291

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.0527	-.00025	1.5765	z *****	.00604
Stddev	.0070	.00006	.0034	-----	.00011
%RSD	.17188	21.880	.21230	-----	1.7710
#1	4.0576	-.00022	1.5789	z 92.81	.00612
#2	4.0478	-.00029	1.5742	z 92.67	.00597

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192086-D-1-A Acquired: 11/18/2021 18:59:41 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00055	.00081	.00707	z *****
Stddev	.00101	.00001	.00015	-----
%RSD	183.77	.76400	2.1511	-----

#1	-0.0016	.00080	.00718	z 329.6
#2	.00126	.00081	.00696	z 328.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3815.3	2579.8	70784.	3974.8
Stddev	.4	2.2	560.	30.1
%RSD	.00974	.08703	.79113	.75705

#1	3815.0	2581.4	71180.	3953.5
#2	3815.5	2578.3	70388.	3996.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.226%	96.874%	94.617%	98.353%
Range				

Sample Name: 480-192086-D-2-A Acquired: 11/18/2021 19:03:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00024	.07540	.00071	.04394	.12753
Stddev	.00015	.01117	.00345	.00030	.00017
%RSD	61.421	14.821	482.92	.67742	.13339
#1	-0.00034	.08330	-0.00172	.04415	.12741
#2	-0.00013	.06750	.00315	.04373	.12765

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00015	158.37	.00016	.0054	.00419
Stddev	.00005	.63	.00004	.0118	.00001
%RSD	32.260	.39693	25.660	219.8	.22119
#1	-0.00012	157.93	.00019	.0137	.00419
#2	-0.00018	158.82	.00013	-.0030	.00418

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00065	.00173	2.3767	3.3132	.00439
Stddev	.00029	.00001	.0105	.0090	.00064
%RSD	44.102	.45862	.44040	.27032	14.655
#1	.00085	.00173	2.3693	3.3069	.00393
#2	.00045	.00174	2.3841	3.3195	.00484

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192086-D-2-A Acquired: 11/18/2021 19:03:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	34.204	3.0489	-0.0182	99.796	.00622
Stddev	.042	.0006	.00003	.204	.00034
%RSD	.12169	.02095	1.4693	.20458	5.5180
#1	34.234	3.0485	-0.0180	99.651	.00598
#2	34.175	3.0494	-0.0184	99.940	.00646

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00026	30.34	-0.00341	-0.00614
Stddev	-----	.00041	.01	.00184	.00007
%RSD	-----	158.13	.0488	53.855	1.0908
#1	z 175.3	.00055	30.33	-0.00211	-0.00619
#2	z 175.6	-0.00003	30.35	-0.00471	-0.00610

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.9003	-0.00024	.41720	z *****	.00228
Stddev	.0589	.00030	.00042	-----	.00008
%RSD	2.0316	126.36	.10119	-----	3.6532
#1	2.8587	-0.00003	.41749	z 94.53	.00223
#2	2.9420	-0.00046	.41690	z 94.16	.00234

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192086-D-2-A Acquired: 11/18/2021 19:03:28 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00024	-0.00005	.00730	z *****
Stddev	.00093	.00040	.00017	-----
%RSD	387.49	794.93	2.3574	-----

#1	-0.00090	.00023	.00742	z 326.9
#2	.00042	-0.00034	.00717	z 334.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3702.9	2538.5	69307.	3915.9
Stddev	3.2	2.0	411.	20.6
%RSD	.08584	.07959	.59296	.52672

#1	3700.6	2537.1	69598.	3930.5
#2	3705.1	2540.0	69016.	3901.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.626%	95.323%	92.643%	96.898%
Range				

Sample Name: 480-192086-D-3-A Acquired: 11/18/2021 19:07:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.01285	-.00165	.14216	.09447
Stddev	.00002	.00591	.00159	.00006	.00015
%RSD	3.5409	45.986	96.293	.03997	.15430
#1	.00059	.01703	-.00277	.14212	.09437
#2	.00056	.00867	-.00053	.14220	.09457

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	281.58	.00029	.0343	.00102
Stddev	.00006	.05	.00000	.0058	.00002
%RSD	37.543	.01866	.59725	17.03	1.9066
#1	-.00020	281.54	.00030	.0301	.00103
#2	-.00011	281.61	.00029	.0384	.00100

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00121	.55076	3.2385	.01836
Stddev	.00006	.00032	.00634	.0166	.00025
%RSD	87.724	26.516	1.1518	.51215	1.3715
#1	.00003	.00098	.54627	3.2267	.01853
#2	.00012	.00144	.55524	3.2502	.01818

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192086-D-3-A Acquired: 11/18/2021 19:07:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	62.394	.37762	-.00222	23.014	.00299
Stddev	.151	.00087	.00010	.018	.00020
%RSD	.24225	.22942	4.4585	.07809	6.8004

#1	62.288	.37701	-.00229	23.027	.00313
#2	62.501	.37823	-.00215	23.001	.00284

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00052	F 232.2	-.00384	-.00357
Stddev	-----	.00118	1.0	.00033	.00082
%RSD	-----	227.31	.4269	8.6430	22.818

#1	z 185.4	-.00136	232.9	-.00361	-.00300
#2	z 185.1	.00032	231.5	-.00408	-.00415

Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			90.00		
Low Limit			-.2000		

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.0674	-.00131	F 15.782	z *****	.00114
Stddev	.0333	.00019	.032	-----	.00014
%RSD	.47077	14.757	.20051	-----	12.183

#1	7.0910	-.00118	15.804	z 101.4	.00104
#2	7.0439	-.00145	15.760	z 100.0	.00123

Check ?	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass
High Limit			9.0000		
Low Limit			-.00500		

Sample Name: 480-192086-D-3-A Acquired: 11/18/2021 19:07:20 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00167	-.00003	.01009	z *****
Stddev	.00049	.00014	.00027	-----
%RSD	29.313	395.01	2.6835	-----

#1	.00202	-.00013	.01028	z 329.1
#2	.00133	.00006	.00990	z 333.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3662.1	2507.3	68591.	3914.5
Stddev	.7	5.6	168.	4.8
%RSD	.02025	.22151	.24482	.12220

#1	3662.6	2503.3	68710.	3911.1
#2	3661.5	2511.2	68472.	3917.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.683%	94.149%	91.686%	96.862%
Range				

Sample Name: 480-192086-D-3-B MS Acquired: 11/18/2021 19:11:15 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05067	10.058	.21199	.34389	.30896
Stddev	.00008	.042	.00106	.00123	.00070
%RSD	.15567	.42095	.50036	.35716	.22754
#1	.05061	10.088	.21274	.34476	.30946
#2	.05072	10.028	.21124	.34302	.30846

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20983	296.29	.20298	-.0144	.19898
Stddev	.00025	.89	.00017	.0434	.00034
%RSD	.11915	.30022	.08448	300.8	.17112
#1	.20965	296.92	.20310	-.0451	.19922
#2	.21001	295.66	.20286	.0163	.19874

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19710	.20324	10.778	13.768	.22343
Stddev	.00026	.00010	.011	.005	.00020
%RSD	.12987	.05139	.10539	.03907	.08844
#1	.19728	.20331	10.786	13.772	.22357
#2	.19692	.20316	10.770	13.764	.22329

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192086-D-3-B MS Acquired: 11/18/2021 19:11:15 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	73.189	.58417	.20842	33.828	.20191
Stddev	.067	.00009	.00008	.035	.00012
%RSD	.09184	.01494	.04013	.10324	.05766
#1	73.237	.58423	.20848	33.804	.20199
#2	73.142	.58411	.20836	33.853	.20183

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.20006	F 242.6	.21211	.19360
Stddev	-----	.00036	.6	.00132	.00131
%RSD	-----	.17939	.2673	.62303	.67693
#1	z 205.5	.20031	243.0	.21305	.19268
#2	z 206.1	.19980	242.1	.21118	.19453

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
 High Limit **90.00**
 Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	16.669	.19352	F 16.505	z *****	.20437
Stddev	.015	.00046	.056	-----	.00022
%RSD	.08842	.23954	.33766	-----	.10623
#1	16.680	.19319	16.545	z 102.1	.20453
#2	16.659	.19384	16.466	z 103.5	.20422

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **None** **Chk Pass**
 High Limit **9.0000**
 Low Limit **-.00500**

Sample Name: 480-192086-D-3-B MS Acquired: 11/18/2021 19:11:15 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20618	.20192	.20287	z *****
Stddev	.00167	.00058	.00099	-----
%RSD	.80894	.28542	.48914	-----

#1	.20736	.20233	.20357	z 373.4
#2	.20500	.20151	.20217	z 370.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3580.2	2502.6	68368.	3897.8
Stddev	5.1	1.1	229.	3.3
%RSD	.14124	.04361	.33459	.08382

#1	3583.8	2503.4	68207.	3900.1
#2	3576.7	2501.8	68530.	3895.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.790%	93.973%	91.388%	96.450%
Range				

Sample Name: 480-192086-D-3-C MSD Acquired: 11/18/2021 19:15:10 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04987	10.019	.20916	.34962	.30656
Stddev	.00003	.061	.00068	.00056	.00088
%RSD	.06346	.60709	.32311	.15963	.28690

#1	.04989	9.9755	.20964	.35001	.30593
#2	.04985	10.062	.20868	.34922	.30718

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20622	292.13	.20242	-.0070	.19521
Stddev	.00010	.09	.00038	.0331	.00014
%RSD	.04649	.03000	.18750	470.7	.07275

#1	.20629	292.07	.20269	-.0304	.19511
#2	.20616	292.20	.20215	.0164	.19531

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19445	.19994	10.569	13.641	.22313
Stddev	.00056	.00000	.004	.005	.00105
%RSD	.28894	.00128	.04254	.03689	.46945

#1	.19484	.19995	10.572	13.645	.22239
#2	.19405	.19994	10.565	13.637	.22387

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192086-D-3-C MSD Acquired: 11/18/2021 19:15:10 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	73.084	.58059	.20793	33.730	.19745
Stddev	.128	.00064	.00058	.060	.00021
%RSD	.17573	.10968	.27986	.17839	.10616
#1	72.993	.58014	.20834	33.687	.19759
#2	73.175	.58104	.20752	33.772	.19730

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19427	F 246.3	.21251	.19440
Stddev	-----	.00066	.5	.00439	.00107
%RSD	-----	.34166	.1952	2.0636	.54869
#1	z 200.6	.19474	246.6	.21561	.19365
#2	z 199.4	.19380	245.9	.20941	.19516

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
 High Limit **90.00**
 Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	16.625	.18877	F 16.494	z *****	.20162
Stddev	.045	.00046	.026	-----	.00047
%RSD	.27339	.24320	.15556	-----	.23245
#1	16.657	.18909	16.513	z 101.7	.20129
#2	16.592	.18844	16.476	z 103.0	.20195

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **None** **Chk Pass**
 High Limit **9.0000**
 Low Limit **-.00500**

Sample Name: 480-192086-D-3-C MSD Acquired: 11/18/2021 19:15:10 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20064	.19927	.20108	z *****
Stddev	.00088	.00038	.00069	-----
%RSD	.43658	.18827	.34518	-----

#1	.20126	.19900	.20059	z 359.9
#2	.20002	.19953	.20157	z 358.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3594.0	2483.9	68247.	3887.9
Stddev	5.3	.6	168.	4.4
%RSD	.14818	.02430	.24583	.11293

#1	3597.8	2484.4	68365.	3891.0
#2	3590.2	2483.5	68128.	3884.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.109%	93.273%	91.225%	96.205%
Range				

Sample Name: MB 480-605252/1-A Acquired: 11/18/2021 19:19:04 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	.00162	-0.00221	-0.00065	.00006
Stddev	.00015	.01980	.00032	.00061	.00000
%RSD	323.10	1220.1	14.557	92.683	1.5647
#1	-0.00015	-0.01238	-0.00244	-0.00108	.00005
#2	.00006	.01562	-0.00199	-0.00023	.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00014	.03861	.00007	-0.0018	.00001
Stddev	.00004	.00332	.00005	.0060	.00007
%RSD	26.809	8.5983	69.222	335.6	545.75
#1	-0.00011	.04096	.00004	.0025	-0.00004
#2	-0.00016	.03626	.00010	-0.0060	.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00029	-0.00001	.00443	.04079	.00050
Stddev	.00016	.00034	.00235	.00659	.00017
%RSD	54.222	4284.4	53.052	16.160	34.357
#1	.00018	.00023	.00277	.04545	.00038
#2	.00041	-0.00025	.00610	.03613	.00062

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605252/1-A Acquired: 11/18/2021 19:19:04 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00344	.00015	-.00254	.03331	-.00029
Stddev	.00112	.00001	.00019	.00098	.00002
%RSD	32.513	8.8281	7.4574	2.9565	6.7017
#1	.00423	.00016	-.00240	.03401	-.00028
#2	.00265	.00014	-.00267	.03262	-.00031

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00057	.0372	-.00116	-.00186
Stddev	-----	.00007	.0009	.00143	.00101
%RSD	-----	12.554	2.436	122.75	54.427
#1	z 129.6	.00052	.0379	-.00015	-.00258
#2	z 129.0	.00062	.0366	-.00217	-.00115

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.01497	-.00012	.00036	z *****	-.00003
Stddev	.00333	.00057	.00005	-----	.00004
%RSD	22.252	460.17	13.868	-----	144.51
#1	-.01261	.00028	.00032	z 86.40	-.00006
#2	-.01732	-.00053	.00039	z 85.75	.00000

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605252/1-A Acquired: 11/18/2021 19:19:04 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00047	.00003	-0.00012	z *****
Stddev	.00001	.00016	.00004	-----
%RSD	2.5326	592.55	35.311	-----

#1	-0.00048	-0.00009	-0.00014	z 315.4
#2	-0.00047	.00014	-0.00009	z 313.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4388.2	2751.6	77274.	4124.6
Stddev	2.6	.3	235.	30.1
%RSD	.05892	.00935	.30449	.73028

#1	4390.1	2751.4	77108.	4145.9
#2	4386.4	2751.8	77441.	4103.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.48%	103.32%	103.29%	102.06%
Range				

Sample Name: LCS 480-605252/2-A Acquired: 11/18/2021 19:22:55 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04832	9.6816	.19779	.19390	.21323
Stddev	.00031	.1340	.00011	.00003	.00055
%RSD	.64462	1.3838	.05450	.01727	.25760
#1	.04854	9.7763	.19786	.19392	.21362
#2	.04810	9.5868	.19771	.19387	.21284

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20687	9.9614	.19137	.0148	.19201
Stddev	.00162	.0722	.00007	.0166	.00021
%RSD	.78183	.72434	.03646	111.8	.10941
#1	.20802	10.012	.19141	.0031	.19186
#2	.20573	9.9104	.19132	.0265	.19215

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19417	.19799	10.270	9.9253	.19689
Stddev	.00051	.00030	.069	.0544	.00026
%RSD	.26171	.15392	.67304	.54835	.13387
#1	.19453	.19821	10.319	9.9637	.19708
#2	.19381	.19778	10.221	9.8868	.19670

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: LCS 480-605252/2-A Acquired: 11/18/2021 19:22:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.106	.20574	.20185	9.5444	.19273
Stddev	.008	.00065	.00082	.0508	.00012
%RSD	.07988	.31655	.40832	.53168	.06085
#1	10.112	.20620	.20127	9.5803	.19281
#2	10.100	.20528	.20243	9.5085	.19264

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19320	9.096	.20066	.18786
Stddev	-----	.00119	.002	.00120	.00169
%RSD	-----	.61763	.0201	.59721	.89737
#1	z 156.7	.19404	9.098	.20150	.18905
#2	z 156.5	.19235	9.095	.19981	.18667

Check ? **None** **Chk Pass** **None** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.3126	.18358	.20002	z *****	.19912
Stddev	.0585	.00044	.00087	-----	.00001
%RSD	.62827	.23800	.43384	-----	.00511
#1	9.3540	.18389	.20064	z 89.95	.19912
#2	9.2713	.18327	.19941	z 91.91	.19911

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605252/2-A Acquired: 11/18/2021 19:22:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20524	.19592	.19711	z *****
Stddev	.00091	.00045	.00177	-----
%RSD	.44541	.23222	.89592	-----

#1	.20459	.19624	.19586	z 350.1
#2	.20589	.19560	.19836	z 355.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4110.2	2731.6	74243.	3981.4
Stddev	6.6	2.7	32.	15.3
%RSD	.15948	.09930	.04299	.38477

#1	4105.5	2729.7	74265.	3970.6
#2	4114.8	2733.5	74220.	3992.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.045%	102.57%	99.241%	98.518%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 19:26:33 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95927	47.773	.95260	.95392	.94153	.97886	49.246	.93952
Stddev	.00166	.141	.00257	.00345	.00168	.00061	.046	.00133
%RSD	.17264	.29544	.27019	.36166	.17873	.06277	.09398	.14158
#1	.96044	47.873	.95442	.95148	.94272	.97843	49.279	.93858
#2	.95810	47.674	.95078	.95636	.94034	.97930	49.213	.94046

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.001	.95577	.97609	.95509	50.009	48.707	.95551	48.994
Stddev	.029	.00060	.00862	.00284	.141	.008	.00202	.609
%RSD	2.947	.06286	.88349	.29744	.28137	.01659	.21174	1.2425
#1	1.022	.95619	.98219	.95308	50.108	48.713	.95694	49.424
#2	.9803	.95535	.97000	.95710	49.909	48.702	.95408	48.563

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.99748	.97232	47.638	.97529	z *****	.95741	23.01	.93768
Stddev	.00883	.00320	.085	.00185	----	.00113	.03	.00210
%RSD	.88538	.32924	.17835	.19011	----	.11763	.1115	.22370
#1	1.0037	.97006	47.698	.97660	z 10910.	.95661	23.00	.93619
#2	.99124	.97458	47.578	.97398	z 10900.	.95820	23.03	.93916

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 19:26:33 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.94290	9.6499	.95456	.95289	z *****	.97928	.98982	.97565
Stddev	.00185	.0082	.00033	.00042	----	.00475	.00036	.00569
%RSD	.19594	.08464	.03483	.04427	----	.48461	.03627	.58357
#1	.94421	9.6556	.95479	.95319	z 242.4	.98264	.99008	.97967
#2	.94159	9.6441	.95432	.95259	z 246.3	.97593	.98957	.97162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.99414	z *****
Stddev	.01596	----
%RSD	1.6053	----
#1	1.0054	z 2690.
#2	.98285	z 2710.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3774.2	2681.7	70813.	3865.3
Stddev	1.2	2.7	822.	15.2
%RSD	.03179	.10067	1.1613	.39259
#1	3773.4	2683.7	70232.	3854.6
#2	3775.1	2679.8	71395.	3876.0

Sample Name: CCB-6785149 Acquired: 11/18/2021 19:30:08 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00879	-.00027	-.00067	.00010	-.00012	-.00075	-.00002
Stddev	.00057	.03330	.00249	.00004	.00001	.00009	.00058	.00001
%RSD	378.46	378.85	913.54	6.3727	6.1548	71.054	78.001	66.804
#1	.00055	-.03234	-.00203	-.00064	.00010	-.00018	-.00034	-.00001
#2	-.00025	.01476	.00149	-.00070	.00011	-.00006	-.00116	-.00003

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119	.00014	-.00016	.00008	.00429	.03537	.00094	-.00056
Stddev	.0139	.00001	.00044	.00006	.00397	.01524	.00016	.00177
%RSD	116.5	4.6966	272.33	83.845	92.459	43.087	16.934	316.82
#1	.0218	.00014	-.00047	.00012	.00149	.02459	.00083	.00069
#2	.0021	.00013	.00015	.00003	.00710	.04614	.00105	-.00181

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00008	.00295	.01799	-.00014	z *****	.00076	.0123	.00037
Stddev	.00002	.00111	.00547	.00025	----	.00092	.0002	.00149
%RSD	27.530	37.738	30.398	185.41	----	120.83	1.482	398.21
#1	.00009	.00374	.01412	.00004	z 133.1	.00011	.0124	-.00068
#2	.00006	.00216	.02185	-.00032	z 134.0	.00141	.0122	.00143

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 19:30:08 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00306	-.01811	-.00037	.00003	z *****	.00024	-.00021	-.00004
Stddev	.00226	.00414	.00017	.00001	----	.00011	.00028	.00009
%RSD	73.798	22.880	45.467	24.611	----	45.674	129.63	240.21
#1	.00466	-.01518	-.00049	.00003	z 88.30	.00031	-.00041	-.00010
#2	.00147	-.02104	-.00025	.00004	z 88.95	.00016	-.00002	.00003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00027	z *****
Stddev	.00030	----
%RSD	110.71	----
#1	-.00048	z 326.1
#2	-.00006	z 320.6

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4404.9	2757.5	76358.	4022.0
Stddev	5.8	2.4	248.	31.0
%RSD	.13167	.08883	.32499	.76961
#1	4400.8	2755.8	76533.	4043.9
#2	4409.0	2759.2	76182.	4000.1

Sample Name: CCVL-6768474 Acquired: 11/18/2021 19:33:58 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00548	.17914	.01336	.01769	.00206	.00187	.51059	.00195
Stddev	.00002	.01499	.00082	.00031	.00002	.00006	.00867	.00012
%RSD	.37797	8.3680	6.1209	1.7385	.74457	3.3396	1.6986	6.0944
#1	.00549	.16854	.01279	.01748	.00205	.00191	.51672	.00186
#2	.00547	.18975	.01394	.01791	.00207	.00182	.50446	.00203

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073	.00360	.00394	.00942	.04930	.49596	.02719	.19011
Stddev	.0019	.00007	.00012	.00019	.00400	.02729	.00057	.00125
%RSD	26.59	2.0075	2.9540	1.9721	8.1207	5.5023	2.1148	.65644
#1	.0086	.00355	.00386	.00955	.05213	.47666	.02760	.19099
#2	.0059	.00365	.00403	.00929	.04647	.51525	.02678	.18923

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00325	.00841	.96497	.00927	z *****	.00929	.1822	.01765
Stddev	.00007	.00043	.00138	.00002	----	.00099	.0021	.00022
%RSD	2.1826	5.1212	.14346	.21592	----	10.644	1.146	1.2670
#1	.00330	.00871	.96399	.00926	z 135.4	.00999	.1836	.01781
#2	.00320	.00810	.96595	.00929	z 135.0	.00859	.1807	.01749

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 19:33:58 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02245	.45120	.00870	.00485	z *****	.00459	.01942	.00472
Stddev	.00033	.01118	.00029	.00004	-----	.00010	.00050	.00003
%RSD	1.4584	2.4769	3.2966	.87364	-----	2.2621	2.5721	.63223
#1	.02268	.44330	.00850	.00488	z 93.40	.00466	.01977	.00470
#2	.02222	.45911	.00890	.00482	z 93.50	.00451	.01907	.00474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00954	z *****
Stddev	.00031	-----
%RSD	3.2235	-----
#1	.00932	z 344.0
#2	.00976	z 347.4

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4386.0	2769.7	76285.	3808.4
Stddev	1.7	.3	129.	2.4
%RSD	.03810	.00963	.16908	.06288
#1	4384.8	2769.5	76194.	3810.1
#2	4387.2	2769.9	76377.	3806.7

Sample Name: 480-192036-D-1-A Acquired: 11/18/2021 19:37:48 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00026	15.595	.01007	.24347	.25908
Stddev	.00023	.047	.00098	.00030	.00130
%RSD	86.355	.30044	9.7070	.12369	.50176
#1	.00010	15.628	.01076	.24326	.26000
#2	.00043	15.562	.00937	.24369	.25816

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00051	207.21	.00073	.0851	.00891
Stddev	.00003	.00	.00001	.0062	.00009
%RSD	5.1185	.00051	1.7390	7.232	1.0414
#1	.00053	207.21	.00074	.0895	.00898
#2	.00049	207.21	.00072	.0808	.00885

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01987	.03458	23.725	11.347	.04538
Stddev	.00001	.00070	.078	.029	.00004
%RSD	.03118	2.0145	.32768	.25846	.09803
#1	.01986	.03507	23.780	11.326	.04535
#2	.01987	.03409	23.671	11.368	.04541

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192036-D-1-A Acquired: 11/18/2021 19:37:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	102.24	1.3874	-0.0117	63.330	.02324
Stddev	.07	.0002	.00005	.111	.00017
%RSD	.06821	.01415	4.1516	.17472	.72975
#1	102.29	1.3872	-0.0121	63.408	.02312
#2	102.19	1.3875	-0.0114	63.251	.02336

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.02330	83.31	-0.0034	-0.00543
Stddev	-----	.00013	.11	.00086	.00302
%RSD	-----	.54954	.1293	253.22	55.718
#1	z 529.9	.02339	83.38	.00027	-0.00757
#2	z 528.2	.02321	83.23	-0.0094	-0.00329

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	36.001	.00093	7.8582	z *****	.41762
Stddev	.029	.00013	.0332	-----	.00067
%RSD	.08073	14.484	.42290	-----	.15924
#1	36.022	.00083	7.8817	z 104.1	.41809
#2	35.981	.00102	7.8347	z 105.1	.41715

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192036-D-1-A Acquired: 11/18/2021 19:37:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00054	.02888	.14593	z *****
Stddev	.00027	.00031	.00019	-----
%RSD	50.707	1.0723	.12938	-----

#1	-0.00074	.02866	.14580	z 349.5
#2	-0.00035	.02910	.14607	z 349.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3589.9	2571.6	70917.	4073.3
Stddev	6.5	4.5	111.	10.0
%RSD	.18096	.17655	.15671	.24654

#1	3594.5	2574.8	70838.	4080.4
#2	3585.3	2568.4	70996.	4066.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.015%	96.564%	94.795%	100.79%
Range				

Sample Name: 480-192035-D-1-C Acquired: 11/18/2021 19:41:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00022	2.1791	-.00149	.03763	.07112
Stddev	.00027	.0310	.00039	.00032	.00006
%RSD	127.74	1.4231	26.427	.84581	.07816
#1	.00041	2.1572	-.00121	.03741	.07108
#2	.00002	2.2010	-.00177	.03786	.07116

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	56.857	.00022	.0120	.00089
Stddev	.00006	.025	.00008	.0195	.00013
%RSD	888.51	.04371	37.923	162.2	14.845
#1	.00005	56.874	.00028	.0258	.00098
#2	-.00003	56.839	.00016	-.0018	.00080

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00285	.00908	2.3543	5.9967	.00322
Stddev	.00021	.00007	.0103	.0294	.00037
%RSD	7.4709	.78695	.43855	.49066	11.410
#1	.00300	.00913	2.3470	5.9759	.00296
#2	.00270	.00903	2.3616	6.0175	.00348

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192035-D-1-C Acquired: 11/18/2021 19:41:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.924	.08719	-.00234	6.7754	.00248
Stddev	.021	.00006	.00008	.0026	.00009
%RSD	.15308	.06750	3.2919	.03782	3.5942
#1	13.939	.08723	-.00229	6.7736	.00242
#2	13.909	.08714	-.00240	6.7772	.00254

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00577	12.29	-.00227	-.00496
Stddev	-----	.00086	.01	.00135	.00045
%RSD	-----	14.957	.0592	59.330	9.1507
#1	z 200.2	.00516	12.28	-.00132	-.00464
#2	z 199.5	.00638	12.29	-.00322	-.00528

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(ln2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.2138	.00022	1.3469	z *****	.05027
Stddev	.0675	.00027	.0025	-----	.00041
%RSD	1.0858	119.76	.18366	-----	.82075
#1	6.1661	.00003	1.3451	z 91.00	.05057
#2	6.2616	.00041	1.3486	z 92.24	.04998

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192035-D-1-C Acquired: 11/18/2021 19:41:39 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00058	.00373	.02424	z *****
Stddev	.00009	.00033	.00028	-----
%RSD	15.309	8.7446	1.1641	-----

#1	-0.00052	.00350	.02404	z 332.9
#2	-0.00065	.00396	.02444	z 338.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4022.6	2692.8	72749.	3945.4
Stddev	3.3	4.2	94.	10.9
%RSD	.08147	.15779	.12968	.27678

#1	4020.3	2695.8	72816.	3937.7
#2	4024.9	2689.8	72682.	3953.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.020%	101.12%	97.244%	97.627%
Range				

Sample Name: 480-192035-D-2-C Acquired: 11/18/2021 19:45:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.49178	.00089	.41683	.30329
Stddev	.00011	.01688	.00157	.00353	.00023
%RSD	60.259	3.4319	176.87	.84694	.07536
#1	-0.0025	.47985	.00200	.41933	.30345
#2	-0.0010	.50372	-.00022	.41434	.30312

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	116.94	.00028	-.0023	.00674
Stddev	.00005	.53	.00001	.0035	.00004
%RSD	39.780	.45214	4.6440	149.4	.60615
#1	-0.0009	116.57	.00028	-.0048	.00677
#2	-0.0017	117.32	.00027	.0001	.00671

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00492	.01045	2.0277	23.945	.02443
Stddev	.00013	.00022	.0222	.017	.00128
%RSD	2.6476	2.1058	1.0933	.07287	5.2444
#1	.00483	.01029	2.0120	23.933	.02352
#2	.00501	.01060	2.0434	23.958	.02533

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192035-D-2-C Acquired: 11/18/2021 19:45:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	31.140	1.6238	-0.0233	58.144	.01915
Stddev	.050	.0003	.00005	.573	.00006
%RSD	.16094	.01659	2.0204	.98516	.30073

#1	31.104	1.6240	-0.0230	57.738	.01911
#2	31.175	1.6236	-0.0236	58.549	.01919

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00473	23.05	-0.00177	-0.00385
Stddev	-----	.00118	.15	.00000	.00259
%RSD	-----	24.971	.6534	.02722	67.369

#1	z 255.5	.00557	23.16	-0.00177	-0.00201
#2	z 260.1	.00390	22.95	-0.00177	-0.00568

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.6183	-0.00048	1.8820	z *****	.01280
Stddev	.0464	.00003	.0100	-----	.00086
%RSD	1.0052	7.2522	.53026	-----	6.7189

#1	4.5855	-0.00046	1.8750	z 91.25	.01340
#2	4.6512	-0.00051	1.8891	z 91.54	.01219

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192035-D-2-C Acquired: 11/18/2021 19:45:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00008	.00115	.05381	z *****
Stddev	.00033	.00012	.00122	-----
%RSD	423.33	10.439	2.2764	-----

#1	.00031	.00107	.05294	z 324.9
#2	-.00015	.00124	.05468	z 327.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3775.0	2593.7	70620.	3964.3
Stddev	5.9	4.7	127.	9.8
%RSD	.15548	.18225	.17949	.24741

#1	3779.1	2590.4	70531.	3971.3
#2	3770.8	2597.1	70710.	3957.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.294%	97.395%	94.398%	98.095%
Range				

Sample Name: 480-192035-D-3-C Acquired: 11/18/2021 19:49:16 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00027	1.4564	.00002	.11265	.06489
Stddev	.00040	.0113	.00018	.00007	.00015
%RSD	147.39	.77892	1169.2	.06049	.23700
#1	-0.00001	1.4484	-0.00011	.11269	.06500
#2	.00055	1.4645	.00014	.11260	.06478

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	94.996	.00016	.0064	.00082
Stddev	.00007	.278	.00000	.0251	.00019
%RSD	325.22	.29224	1.0977	389.4	23.698
#1	.00007	94.800	.00016	-.0113	.00096
#2	-.00003	95.193	.00016	.0242	.00068

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00164	.00727	1.9333	7.9493	.00222
Stddev	.00010	.00013	.0030	.0376	.00099
%RSD	5.8400	1.7822	.15422	.47316	44.480
#1	.00171	.00736	1.9354	7.9227	.00291
#2	.00157	.00717	1.9312	7.9759	.00152

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192035-D-3-C Acquired: 11/18/2021 19:49:16 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	26.860	.55033	-.00259	12.280	.00191
Stddev	.037	.00142	.00012	.031	.00030
%RSD	.13950	.25891	4.5843	.25316	15.714
#1	26.886	.55134	-.00251	12.258	.00212
#2	26.833	.54932	-.00267	12.302	.00170

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00260	23.09	-.00269	-.00447
Stddev	-----	.00114	.03	.00083	.00041
%RSD	-----	43.741	.1506	30.798	9.2314
#1	z 310.3	.00340	23.07	-.00327	-.00477
#2	z 309.0	.00179	23.12	-.00210	-.00418

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.4733	-.00006	1.0285	z *****	.03061
Stddev	.0039	.00045	.0028	-----	.00124
%RSD	.11160	809.48	.27309	-----	4.0539
#1	3.4760	-.00038	1.0265	z 92.22	.02973
#2	3.4705	.00027	1.0305	z 94.21	.03148

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192035-D-3-C Acquired: 11/18/2021 19:49:16 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00056	.00229	.02074	z *****
Stddev	.00058	.00023	.00010	-----
%RSD	103.58	10.245	.47762	-----

#1	.00015	.00246	.02081	z 333.5
#2	.00097	.00212	.02067	z 332.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3921.4	2629.8	71565.	3906.8
Stddev	1.7	1.8	100.	4.0
%RSD	.04347	.06997	.13934	.10237

#1	3920.2	2628.5	71494.	3909.6
#2	3922.6	2631.1	71635.	3904.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.680%	98.748%	95.661%	96.672%
Range				

Sample Name: 192086-1 TOT Acquired: 11/18/2021 19:53:02 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.09668	-.00139	.04361	.08541
Stddev	.00031	.00943	.00218	.00001	.00001
%RSD	200.05	9.7503	156.57	.02257	.01318
#1	.00006	.10335	-.00293	.04361	.08540
#2	-.00038	.09001	.00015	.04362	.08541

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	103.00	.00004	.0123	.00029
Stddev	.00002	.37	.00008	.0026	.00003
%RSD	13.874	.35925	188.68	21.08	9.4501
#1	-.00011	102.74	-.00001	.0105	.00027
#2	-.00013	103.26	.00010	.0142	.00031

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00656	.11656	6.0930	.00462
Stddev	.00031	.00006	.00167	.0669	.00083
%RSD	66.618	.93414	1.4361	1.0984	17.988
#1	.00069	.00660	.11775	6.1403	.00521
#2	.00025	.00651	.11538	6.0457	.00403

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192086-1 TOT Acquired: 11/18/2021 19:53:02 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	23.355	.07870	-.00348	79.378	.00082
Stddev	.063	.00017	.00012	.076	.00025
%RSD	.26815	.21125	3.5531	.09571	30.161
#1	23.399	.07881	-.00339	79.325	.00099
#2	23.311	.07858	-.00356	79.432	.00064

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00138	18.37	-.00308	-.00668
Stddev	-----	.00022	.01	.00235	.00189
%RSD	-----	15.696	.0446	76.413	28.372
#1	z 176.3	.00153	18.36	-.00142	-.00534
#2	z 176.0	.00123	18.37	-.00474	-.00802

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.0042	.00016	1.5949	z *****	.00273
Stddev	.0471	.00022	.0061	-----	.00005
%RSD	1.1754	140.94	.38121	-----	1.9726
#1	3.9710	.00032	1.5992	z 92.73	.00269
#2	4.0375	.00000	1.5906	z 95.54	.00277

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192086-1 TOT Acquired: 11/18/2021 19:53:02 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00123	.00043	.00643	z *****
Stddev	.00030	.00013	.00034	-----
%RSD	24.354	29.281	5.2480	-----

#1	.00144	.00034	.00667	z 341.4
#2	.00101	.00052	.00620	z 343.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3827.2	2618.0	70837.	3925.9
Stddev	16.1	8.0	79.	55.0
%RSD	.41963	.30737	.11191	1.4003

#1	3838.6	2623.7	70893.	3964.8
#2	3815.9	2612.4	70781.	3887.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.502%	98.308%	94.688%	97.144%
Range				

Sample Name: 192167-5 TOT Acquired: 11/18/2021 19:56:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0029	-0.01398	-0.00260	.63325	.01300
Stddev	.00036	.00735	.00197	.00183	.00007
%RSD	125.81	52.558	75.524	.28877	.54583
#1	-0.00003	-0.00878	-0.00121	.63454	.01305
#2	-0.00054	-0.01917	-0.00399	.63195	.01295

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00020	574.85	.00021	.0205	-0.00006
Stddev	.00003	4.04	.00002	.0298	.00010
%RSD	15.101	.70346	7.5649	145.3	173.16
#1	-0.00018	577.71	.00022	.0416	.00001
#2	-0.00022	571.99	.00020	-.0006	-.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00200	.09404	4.5604	.04658
Stddev	.00015	.00023	.00438	.0380	.00087
%RSD	218.02	11.382	4.6538	.83299	1.8687
#1	.00018	.00217	.09713	4.5335	.04720
#2	-.00004	.00184	.09094	4.5873	.04597

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192167-5 TOT Acquired: 11/18/2021 19:56:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	91.137	.03553	-.00161	23.952	-.00000
Stddev	.443	.00017	.00032	.025	.00019
%RSD	.48555	.48171	19.644	.10499	4881.7
#1	91.450	.03565	-.00138	23.970	.00013
#2	90.824	.03541	-.00183	23.934	-.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00169	F 536.1	-.00683	-.00588
Stddev	-----	.00198	1.5	.00037	.00044
%RSD	-----	117.34	.2710	5.4870	7.4091
#1	z 208.8	-.00309	537.1	-.00710	-.00557
#2	z 209.7	-.00029	535.1	-.00657	-.00619

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	8.7482	-.00121	F 10.509	z *****	.00240
Stddev	.0152	.00020	.072	-----	.00000
%RSD	.17409	16.681	.68784	-----	.01051
#1	8.7590	-.00107	10.561	z 108.6	.00240
#2	8.7374	-.00135	10.458	z 108.6	.00240

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192167-5 TOT Acquired: 11/18/2021 19:56:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00134	-.00027	.00154	z *****
Stddev	.00108	.00022	.00025	-----
%RSD	80.744	80.927	16.459	-----

#1	.00057	-.00011	.00172	z 353.4
#2	.00210	-.00042	.00136	z 356.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3501.0	2466.4	65818.	3735.5
Stddev	5.1	.3	123.	7.4
%RSD	.14525	.01259	.18726	.19889

#1	3504.6	2466.2	65731.	3740.7
#2	3497.4	2466.6	65905.	3730.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.958%	92.615%	87.979%	92.432%
Range				

Sample Name: 192167-7 TOT Acquired: 11/18/2021 20:00:47 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0029	.09753	-0.00231	.04032	.42414
Stddev	.00011	.00402	.00257	.00078	.00290
%RSD	39.994	4.1176	111.10	1.9445	.68338
#1	-0.0037	.10037	-0.00412	.04088	.42619
#2	-0.0020	.09469	-0.00050	.03977	.42209

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	219.30	.00010	.0118	.00017
Stddev	.00001	.83	.00010	.0196	.00013
%RSD	9.9488	.37945	91.796	166.8	78.045
#1	-0.0010	219.89	.00004	.0256	.00026
#2	-0.0009	218.71	.00017	-.0021	.00008

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00117	16.740	3.0835	.00385
Stddev	.00012	.00019	.077	.0068	.00029
%RSD	7604.0	16.428	.45919	.22177	7.4822
#1	.00008	.00104	16.795	3.0786	.00365
#2	-.00008	.00131	16.686	3.0883	.00405

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192167-7 TOT Acquired: 11/18/2021 20:00:47 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	43.652	1.0644	-0.00390	2.6140	.00035
Stddev	.018	.0015	.00003	.0063	.00005
%RSD	.04027	.14046	.77984	.24006	12.771
#1	43.639	1.0634	-0.00388	2.6184	.00032
#2	43.664	1.0655	-0.00392	2.6095	.00038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00014	5.170	-0.00361	-0.00162
Stddev	-----	.00073	.029	.00037	.00328
%RSD	-----	511.80	.5625	10.362	202.79
#1	z 187.4	-0.00037	5.190	-0.00388	.00070
#2	z 188.1	.00065	5.149	-0.00335	-0.00393

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.0897	-0.00032	.72158	z *****	.00324
Stddev	.0091	.00059	.00137	-----	.00029
%RSD	.12807	181.75	.19028	-----	9.0399
#1	7.0961	.00009	.72255	z 98.62	.00345
#2	7.0832	-0.00074	.72060	z 99.16	.00304

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192167-7 TOT Acquired: 11/18/2021 20:00:47 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00005	-.00008	.00445	z *****
Stddev	.00056	.00003	.00006	-----
%RSD	1127.7	38.761	1.4108	-----

#1	.00045	-.00006	.00440	z 341.1
#2	-.00035	-.00010	.00449	z 338.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3797.4	2584.7	69747.	3844.3
Stddev	5.2	3.9	55.	15.8
%RSD	.13604	.15058	.07885	.41042

#1	3801.1	2582.0	69785.	3833.1
#2	3793.8	2587.5	69708.	3855.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.813%	97.058%	93.231%	95.125%
Range				

Sample Name: 192035-1 TOT Acquired: 11/18/2021 20:04:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0024	.38061	-0.0112	.03587	.06330
Stddev	.00020	.02608	.00276	.00011	.00008
%RSD	82.812	6.8515	245.90	.29936	.12693

#1	-0.0039	.36217	.00083	.03595	.06325
#2	-0.0010	.39905	-0.0307	.03580	.06336

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	59.124	.00002	.0129	.00048
Stddev	.00003	.465	.00002	.0022	.00015
%RSD	33.475	.78701	164.05	17.14	30.711

#1	-0.0010	58.795	-0.0000	.0113	.00059
#2	-0.00006	59.453	.00003	.0144	.00038

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00810	.62218	5.4414	.00238
Stddev	.00001	.00010	.00524	.0218	.00040
%RSD	2.0165	1.2027	.84252	.40024	16.633

#1	.00049	.00803	.62589	5.4260	.00266
#2	.00051	.00817	.61848	5.4568	.00210

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 192035-1 TOT Acquired: 11/18/2021 20:04:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	14.532	.08084	-.00375	6.8391	.00162
Stddev	.005	.00005	.00014	.0743	.00016
%RSD	.03545	.06571	3.7967	1.0870	9.6068
#1	14.535	.08080	-.00365	6.7866	.00151
#2	14.528	.08088	-.00385	6.8917	.00173

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00455	13.20	-.00277	-.00269
Stddev	-----	.00005	.01	.00019	.00076
%RSD	-----	1.1463	.0843	7.0352	28.344
#1	z 191.5	.00451	13.19	-.00263	-.00323
#2	z 191.3	.00459	13.21	-.00291	-.00215

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.7721	-.00079	1.3690	z *****	.00489
Stddev	.0284	.00038	.0144	-----	.00017
%RSD	1.0232	48.420	1.0550	-----	3.4337
#1	2.7521	-.00052	1.3587	z 92.97	.00477
#2	2.7922	-.00106	1.3792	z 94.83	.00501

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192035-1 TOT Acquired: 11/18/2021 20:04:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00039	.00091	.01923	z *****
Stddev	.00148	.00001	.00015	-----
%RSD	379.44	.79588	.75996	-----

#1	-0.00066	.00091	.01912	z 342.3
#2	.00144	.00090	.01933	z 345.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4049.7	2660.2	71089.	3769.8
Stddev	18.3	10.5	143.	31.6
%RSD	.45104	.39646	.20168	.83829

#1	4062.6	2667.6	71190.	3792.1
#2	4036.8	2652.7	70987.	3747.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.647%	99.891%	95.025%	93.281%
Range				

Sample Name: 192035-2 TOT Acquired: 11/18/2021 20:08:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00017	.29105	.00204	.44263	.30775
Stddev	.00010	.03351	.00181	.00191	.00079
%RSD	57.929	11.512	89.035	.43189	.25688
#1	-0.00023	.31474	.00332	.44128	.30831
#2	-0.00010	.26735	.00075	.44399	.30719

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00014	118.65	.00013	.0090	.00667
Stddev	.00003	.51	.00003	.0125	.00016
%RSD	18.743	.42770	22.011	139.5	2.4726
#1	-0.00012	119.01	.00011	.0001	.00655
#2	-0.00015	118.29	.00015	.0178	.00678

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00453	.01052	1.5295	24.254	.02392
Stddev	.00005	.00027	.0054	.107	.00029
%RSD	1.0547	2.6067	.35531	.44055	1.2176
#1	.00450	.01072	1.5333	24.330	.02371
#2	.00456	.01033	1.5256	24.179	.02412

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192035-2 TOT Acquired: 11/18/2021 20:08:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	32.758	1.6465	-0.00336	59.036	.01951
Stddev	.090	.0021	.00004	.103	.00024
%RSD	.27407	.12741	1.0651	.17465	1.2152
#1	32.694	1.6450	-0.00333	59.109	.01968
#2	32.821	1.6480	-0.00338	58.963	.01934

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00233	24.45	-0.00199	-0.00356
Stddev	-----	.00041	.07	.00177	.00000
%RSD	-----	17.511	.2684	89.019	.10503
#1	z 234.7	.00262	24.40	-0.00074	-0.00356
#2	z 233.6	.00205	24.49	-0.00324	-0.00357

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.3454	-0.00029	1.8770	z *****	.00887
Stddev	.0142	.00049	.0080	-----	.00017
%RSD	.32680	169.21	.42746	-----	1.9172
#1	4.3354	-0.00064	1.8827	z 93.18	.00875
#2	4.3555	.00006	1.8714	z 92.29	.00899

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192035-2 TOT Acquired: 11/18/2021 20:08:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00062	.00081	.05905	z *****
Stddev	.00036	.00024	.00086	-----
%RSD	58.113	29.031	1.4609	-----

#1	-0.00087	.00064	.05844	z 327.1
#2	-0.00036	.00098	.05966	z 325.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3768.1	2583.9	70253.	3967.1
Stddev	9.3	6.8	67.	21.8
%RSD	.24597	.26288	.09478	.55013

#1	3774.7	2588.7	70300.	3951.7
#2	3761.6	2579.1	70206.	3982.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.136%	97.026%	93.908%	98.165%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 20:12:17 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95924	47.533	.95922	.95390	.94245	.97818	48.962	.93966
Stddev	.00136	.348	.00185	.00128	.00862	.00535	.345	.00031
%RSD	.14204	.73156	.19260	.13446	.91468	.54697	.70516	.03306
#1	.96021	47.779	.95791	.95299	.94855	.98196	49.207	.93988
#2	.95828	47.287	.96052	.95481	.93636	.97439	48.718	.93944

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9914	.96156	.96595	.95983	49.883	48.514	.95713	48.673
Stddev	.0185	.00040	.00079	.00144	.125	.257	.00283	.055
%RSD	1.865	.04209	.08206	.15021	.25077	.52937	.29596	.11393
#1	.9783	.96184	.96539	.96085	49.794	48.696	.95913	48.634
#2	1.004	.96127	.96651	.95881	49.971	48.333	.95512	48.713

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.99489	.97403	47.384	.98092	z *****	.95974	23.06	.93628
Stddev	.00133	.00368	.449	.00098	----	.00050	.04	.00322
%RSD	.13354	.37739	.94744	.09957	----	.05202	.1582	.34394
#1	.99395	.97143	47.701	.98023	z 10830.	.95939	23.09	.93855
#2	.99583	.97663	47.066	.98161	z 10820.	.96010	23.03	.93400

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 20:12:17 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93871	9.5985	.95794	.95433	z *****	.97944	.99232	.97291
Stddev	.00029	.0028	.00078	.00787	----	.00004	.00072	.00072
%RSD	.03061	.02900	.08127	.82486	----	.00366	.07240	.07415
#1	.93891	9.6005	.95849	.95989	z 243.6	.97946	.99282	.97342
#2	.93851	9.5965	.95739	.94876	z 244.7	.97941	.99181	.97240

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.98042	z *****
Stddev	.00205	----
%RSD	.20859	----
#1	.98186	z 2775.
#2	.97897	z 2802.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3728.9	2655.4	70535.	3889.5
Stddev	2.7	1.6	165.	30.7
%RSD	.07203	.06170	.23355	.78999
#1	3727.0	2654.2	70419.	3867.8
#2	3730.8	2656.6	70652.	3911.3

Sample Name: CCB-6785149 Acquired: 11/18/2021 20:15:51 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	-.00220	-.00170	-.00035	.00009	-.00004	.00046	-.00001
Stddev	.00011	.00538	.00020	.00001	.00002	.00005	.00278	.00002
%RSD	180.63	244.80	11.540	1.5375	20.616	136.10	602.25	328.10
#1	.00002	-.00600	-.00184	-.00035	.00007	-.00000	.00243	.00001
#2	-.00014	.00161	-.00156	-.00035	.00010	-.00008	-.00150	-.00002

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0133	-.00004	-.00011	-.00013	.00615	.04150	.00088	-.00060
Stddev	.0017	.00005	.00002	.00024	.00113	.00807	.00000	.00365
%RSD	12.76	122.53	22.264	178.36	18.402	19.457	.47242	607.48
#1	.0121	-.00008	-.00009	.00004	.00535	.04721	.00088	-.00319
#2	.0145	-.00001	-.00013	-.00031	.00695	.03579	.00088	.00198

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00001	.00258	.01718	-.00022	z *****	-.00053	.0108	-.00142
Stddev	.00003	.00077	.00027	.00006	----	.00056	.0014	.00042
%RSD	204.80	29.813	1.5489	25.034	----	106.06	13.37	29.347
#1	-.00001	.00313	.01736	-.00026	z 137.9	-.00092	.0118	-.00171
#2	.00003	.00204	.01699	-.00018	z 138.9	-.00013	.0098	-.00112

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 20:15:51 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00294	-.01494	.00048	.00002	z *****	.00006	-.00040	-.00014
Stddev	.00077	.00606	.00006	.00000	----	.00032	.00166	.00006
%RSD	26.259	40.582	12.937	20.626	----	539.45	412.11	43.494
#1	.00240	-.01065	.00043	.00003	z 89.80	-.00017	.00077	-.00010
#2	.00349	-.01923	.00052	.00002	z 89.75	.00029	-.00157	-.00019

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00041	z *****
Stddev	.00004	----
%RSD	10.443	----
#1	-.00044	z 330.4
#2	-.00038	z 333.9

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4371.2	2776.4	75490.	3896.2
Stddev	1.4	.6	118.	11.7
%RSD	.03278	.02210	.15587	.30052
#1	4370.2	2776.8	75407.	3904.5
#2	4372.3	2775.9	75573.	3887.9

Sample Name: CCVL-6768474 Acquired: 11/18/2021 20:19:42 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00529	.18768	W .00930	.01739	.00205	.00187	.50551
Stddev	.00025	.00318	.00157	.00031	.00001	.00001	.00054
%RSD	4.6933	1.6932	16.874	1.7748	.48351	.57239	.10637
#1	.00512	.18544	.01041	.01717	.00206	.00188	.50589
#2	.00547	.18993	.00819	.01761	.00204	.00186	.50513

Check ? Chk Pass Chk Pass Chk Warn Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range .01500
 -30.000%

Elem	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00189	.0017	.00372	.00391	.00951	.05041	.50904
Stddev	.00016	.0314	.00012	.00009	.00002	.00212	.03984
%RSD	8.5032	1808.	3.2043	2.3099	.25254	4.2018	7.8261
#1	.00178	-.0205	.00380	.00384	.00949	.04891	.53721
#2	.00201	.0239	.00363	.00397	.00953	.05191	.48087

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
Value
Range

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2136
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.02728	.19135	.00323	.00809	.95908	.00900	z *****
Stddev	.00024	.00026	.00004	.00016	.00402	.00005	-----
%RSD	.88393	.13495	1.1527	2.0303	.41941	.59140	-----
#1	.02745	.19153	.00321	.00821	.96192	.00896	z 136.4
#2	.02711	.19117	.00326	.00798	.95624	.00904	z 136.2

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None
Value
Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 20:19:42 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00934	.1767	.01875	.02094	.44243	.00889	.00485
Stddev	.00002	.0027	.00097	.00181	.00463	.00040	.00006
%RSD	.17343	1.508	5.1532	8.6653	1.0472	4.4609	1.2038
#1	.00933	.1748	.01943	.01966	.43916	.00917	.00481
#2	.00936	.1785	.01806	.02223	.44571	.00861	.00489

Check ?	Chk Pass						
Value							
Range							

Elem	Th2837	Ti3349	Tl1908	V_2924	Zn2062	Zr3438
Units	Cts/S	ppm	ppm	ppm	ppm	Cts/S
Avg	z *****	.00465	.01927	.00464	.00924	z *****
Stddev	-----	.00013	.00056	.00028	.00060	-----
%RSD	-----	2.8778	2.9123	5.9768	6.4897	-----
#1	z 89.35	.00456	.01888	.00483	.00881	z 332.9
#2	z 90.75	.00475	.01967	.00444	.00966	z 337.6

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4359.2	2760.1	75638.	3877.0
Stddev	.5	1.3	216.	14.4
%RSD	.01122	.04852	.28494	.37210
#1	4359.6	2761.1	75485.	3887.2
#2	4358.9	2759.2	75790.	3866.8

Sample Name: 192036-1 TOT Acquired: 11/18/2021 20:23:32 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	1.4057	.00438	.22656	.18857
Stddev	.00032	.0038	.00264	.00078	.00040
%RSD	138.12	.27035	60.370	.34428	.21006
#1	.00001	1.4030	.00251	.22601	.18885
#2	.00046	1.4084	.00625	.22711	.18829

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00009	211.27	.00057	.0196	.00387
Stddev	.00001	.52	.00007	.0134	.00028
%RSD	6.4545	.24830	12.048	68.69	7.2227
#1	.00009	211.64	.00053	.0291	.00406
#2	.00008	210.90	.00062	.0101	.00367

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00289	.02530	3.2856	6.3473	.02922
Stddev	.00028	.00002	.2268	.0294	.00069
%RSD	9.5409	.06914	6.9022	.46314	2.3446
#1	.00309	.02528	3.4459	6.3265	.02971
#2	.00270	.02531	3.1252	6.3681	.02874

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192036-1 TOT Acquired: 11/18/2021 20:23:32 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	105.15	1.3221	-0.00356	63.967	.00869
Stddev	.41	.0020	.00023	.275	.00013
%RSD	.39248	.14787	6.4332	.43060	1.5159
#1	105.44	1.3235	-0.00340	64.161	.00879
#2	104.86	1.3207	-0.00372	63.772	.00860

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.01199	86.77	-0.00279	-0.00499
Stddev	-----	.00154	.17	.00217	.00003
%RSD	-----	12.848	.1976	77.899	.61993
#1	z 429.7	.01308	86.65	-0.00433	-0.00497
#2	z 426.0	.01090	86.89	-0.00125	-0.00502

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	12.708	-0.00087	7.8660	z *****	.00616
Stddev	.028	.00070	.0333	-----	.00035
%RSD	.22184	81.145	.42377	-----	5.7262
#1	12.688	-0.00037	7.8895	z 104.4	.00591
#2	12.728	-0.00137	7.8424	z 102.8	.00641

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192036-1 TOT Acquired: 11/18/2021 20:23:32 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00123	.00366	.09777	z *****
Stddev	.00240	.00008	.00047	-----
%RSD	195.59	2.1029	.48055	-----

#1	-0.0047	.00361	.09810	z 339.0
#2	.00292	.00372	.09744	z 330.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3670.8	2575.8	69607.	3978.3
Stddev	2.7	1.3	16.	36.7
%RSD	.07363	.05148	.02277	.92344

#1	3672.7	2576.7	69596.	3952.3
#2	3668.9	2574.8	69619.	4004.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.885%	96.720%	93.044%	98.441%
Range				

Sample Name: 192409-1 TOT Acquired: 11/18/2021 20:27:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	1.7409	-.00087	.16197	.07757
Stddev	.00002	.0105	.00045	.00039	.00005
%RSD	10.077	.60212	51.058	.23980	.06053
#1	.00025	1.7335	-.00119	.16170	.07754
#2	.00022	1.7483	-.00056	.16225	.07760

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	46.802	.00048	.0179	.00378
Stddev	.00005	.226	.00000	.0103	.00014
%RSD	193.72	.48272	.60099	57.73	3.7718
#1	.00001	46.643	.00048	.0252	.00388
#2	-.00007	46.962	.00048	.0106	.00368

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00501	.03570	2.7336	5.2081	.00773
Stddev	.00007	.00030	.0058	.0130	.00039
%RSD	1.3681	.83178	.21339	.24866	5.0402
#1	.00506	.03549	2.7377	5.1990	.00745
#2	.00496	.03591	2.7295	5.2173	.00801

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192409-1 TOT Acquired: 11/18/2021 20:27:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	15.145	.19463	-.00196	29.858	.00825
Stddev	.022	.00019	.00006	.081	.00004
%RSD	.14292	.09948	3.2424	.27091	.46474
#1	15.130	.19477	-.00192	29.801	.00828
#2	15.160	.19449	-.00201	29.915	.00822

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.08245	6.373	-.00195	-.00290
Stddev	-----	.00271	.004	.00182	.00433
%RSD	-----	3.2889	.0639	93.363	149.19
#1	z 341.3	.08436	6.370	-.00066	.00016
#2	z 337.3	.08053	6.376	-.00323	-.00596

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.0611	.00016	.09313	z *****	.04668
Stddev	.0070	.00041	.00032	-----	.00219
%RSD	.22852	247.41	.34603	-----	4.6971
#1	3.0561	.00045	.09291	z 90.54	.04823
#2	3.0660	-.00012	.09336	z 90.25	.04513

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192409-1 TOT Acquired: 11/18/2021 20:27:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00006	.00579	.31918	z *****
Stddev	.00005	.00009	.00068	-----
%RSD	86.050	1.5795	.21181	-----

#1	-0.00002	.00585	.31870	z 334.8
#2	-0.00010	.00572	.31966	z 336.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3998.8	2685.2	73361.	4009.0
Stddev	4.8	5.8	151.	23.6
%RSD	.11998	.21763	.20520	.58760

#1	4002.2	2689.4	73468.	4025.6
#2	3995.5	2681.1	73255.	3992.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.471%	100.83%	98.062%	99.199%
Range				

Sample Name: 192235-18 TOT Acquired: 11/18/2021 20:31:05 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00097	-.00093	.40220	.04834
Stddev	.00004	.02277	.00085	.00023	.00029
%RSD	21.271	2346.5	90.864	.05771	.60218
#1	.00021	.01513	-.00153	.40236	.04813
#2	.00016	-.01707	-.00033	.40203	.04854

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	215.18	.00021	.0127	.00264
Stddev	.00002	1.49	.00003	.0071	.00015
%RSD	10.931	.69333	15.084	56.08	5.8590
#1	-.00013	214.12	.00023	.0077	.00253
#2	-.00015	216.23	.00019	.0177	.00275

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00324	-.00260	2.5135	.03076
Stddev	.00006	.00042	.00273	.0154	.00002
%RSD	18.076	13.055	104.97	.61241	.05327
#1	.00027	.00294	-.00067	2.5026	.03075
#2	.00035	.00354	-.00454	2.5244	.03077

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192235-18 TOT Acquired: 11/18/2021 20:31:05 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	28.678	.59427	-.00387	96.671	.04590
Stddev	.203	.00375	.00006	.544	.00022
%RSD	.70895	.63119	1.4481	.56299	.48438
#1	28.534	.59162	-.00391	96.286	.04606
#2	28.821	.59692	-.00383	97.056	.04575

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00084	31.25	-.00351	-.00550
Stddev	-----	.00039	.07	.00149	.00367
%RSD	-----	46.422	.2291	42.445	66.763
#1	z 180.7	.00057	31.30	-.00457	-.00810
#2	z 180.6	.00112	31.20	-.00246	-.00290

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.8533	-.00040	1.4488	z *****	.00062
Stddev	.0239	.00029	.0107	-----	.00011
%RSD	.24220	72.203	.73682	-----	18.647
#1	9.8364	-.00020	1.4413	z 95.48	.00053
#2	9.8702	-.00061	1.4564	z 95.45	.00070

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192235-18 TOT Acquired: 11/18/2021 20:31:05 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00150	-.00030	.00750	z *****
Stddev	.00048	.00008	.00021	-----
%RSD	31.816	26.510	2.8547	-----

#1	.00116	-.00024	.00735	z 334.8
#2	.00183	-.00036	.00765	z 338.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3681.0	2554.1	68372.	3837.9
Stddev	.6	1.0	430.	2.7
%RSD	.01733	.03859	.62932	.06906

#1	3681.4	2553.4	68676.	3839.7
#2	3680.5	2554.8	68068.	3836.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.120%	95.907%	91.393%	94.966%
Range				

Sample Name: 192235-7 TOT Acquired: 11/18/2021 20:34:50 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.01111	-.00004	.08304	.10526
Stddev	.00013	.01596	.00013	.00003	.00006
%RSD	271.46	143.64	325.61	.03538	.05430
#1	-.00004	-.02240	.00005	.08306	.10522
#2	.00014	.00017	-.00013	.08302	.10530

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	47.962	-.00001	.0196	.00019
Stddev	.00005	.005	.00006	.0010	.00003
%RSD	42.739	.01116	996.39	5.309	16.390
#1	-.00016	47.966	-.00005	.0189	.00021
#2	-.00009	47.958	.00004	.0204	.00017

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	.00089	.00222	3.9010	.00232
Stddev	.00022	.00014	.00319	.0266	.00119
%RSD	206.93	15.199	143.72	.68231	51.164
#1	-.00026	.00079	.00448	3.8822	.00148
#2	.00005	.00098	-.00004	3.9198	.00316

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192235-7 TOT Acquired: 11/18/2021 20:34:50 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.900	.05913	-.00390	29.137	.00393
Stddev	.022	.00015	.00012	.046	.00009
%RSD	.17112	.25903	3.0870	.15626	2.4052
#1	12.916	.05924	-.00381	29.105	.00386
#2	12.885	.05902	-.00398	29.169	.00399

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00021	11.98	-.00286	-.00187
Stddev	-----	.00027	.02	.00222	.00146
%RSD	-----	132.33	.1816	77.714	77.942
#1	z 170.1	.00040	11.97	-.00443	-.00290
#2	z 171.3	.00001	12.00	-.00129	-.00084

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.5004	-.00078	.37755	z *****	.00005
Stddev	.0134	.00034	.00034	-----	.00012
%RSD	.17920	43.670	.08956	-----	228.95
#1	7.5099	-.00102	.37778	z 87.96	.00014
#2	7.4909	-.00054	.37731	z 89.34	-.00003

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192235-7 TOT Acquired: 11/18/2021 20:34:50 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00025	.00015	.00031	z *****
Stddev	.00013	.00002	.00023	-----
%RSD	51.435	13.898	74.526	-----

#1	.00034	.00016	.00015	z 330.6
#2	.00016	.00013	.00048	z 329.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4014.5	2672.2	72075.	3910.5
Stddev	16.2	3.3	22.	8.9
%RSD	.40466	.12455	.03053	.22865

#1	4026.0	2674.5	72091.	3916.8
#2	4003.1	2669.8	72060.	3904.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.834%	100.34%	96.344%	96.764%
Range				

Sample Name: 192235-9 TOT Acquired: 11/18/2021 20:38:37 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.06180	-.00037	.15619	.23477
Stddev	.00056	.00924	.00057	.00073	.00034
%RSD	528.87	14.959	154.24	.46644	.14311
#1	.00029	.05526	-.00077	.15568	.23453
#2	-.00050	.06833	.00003	.15671	.23501

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00039	87.800	.00118	.0136	.17458
Stddev	.00001	.054	.00006	.0112	.00050
%RSD	2.3189	.06167	5.0150	82.28	.28826
#1	.00039	87.839	.00114	.0215	.17423
#2	.00040	87.762	.00122	.0057	.17494

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00224	.00809	11.374	.00206
Stddev	.00024	.00009	.00225	.085	.00048
%RSD	122.36	4.2335	27.739	.74392	23.354
#1	.00036	.00217	.00968	11.314	.00172
#2	.00003	.00231	.00651	11.434	.00239

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192235-9 TOT Acquired: 11/18/2021 20:38:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	39.781	7.1733	-0.00430	113.23	.02666
Stddev	.149	.0356	.00020	.37	.00002
%RSD	.37552	.49600	4.5452	.32682	.08304
#1	39.887	7.1482	-0.00444	112.97	.02665
#2	39.676	7.1985	-0.00416	113.49	.02668

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00192	21.64	-0.00444	-0.00363
Stddev	-----	.00127	.03	.00034	.00221
%RSD	-----	66.484	.1216	7.6436	60.860
#1	z 180.4	.00102	21.65	-0.00420	-0.00520
#2	z 179.0	.00282	21.62	-0.00468	-0.00207

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.0768	-0.00028	.45629	z *****	-0.00094
Stddev	.0112	.00059	.00230	-----	.00008
%RSD	.15848	211.76	.50418	-----	8.2656
#1	7.0689	.00014	.45467	z 94.60	-0.00100
#2	7.0848	-0.00069	.45792	z 93.27	-0.00089

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192235-9 TOT Acquired: 11/18/2021 20:38:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00056	-.00059	.01622	z *****
Stddev	.00068	.00010	.00043	-----
%RSD	120.84	17.885	2.6622	-----

#1	.00105	-.00066	.01653	z 337.8
#2	.00008	-.00051	.01592	z 335.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3762.4	2632.7	70258.	3919.7
Stddev	13.3	9.2	209.	1.3
%RSD	.35348	.35011	.29699	.03348

#1	3771.8	2639.2	70110.	3920.6
#2	3753.0	2626.2	70405.	3918.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.003%	98.859%	93.914%	96.990%
Range				

Sample Name: 191974-5 SOL Acquired: 11/18/2021 20:42:27 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00032	-0.00087	-0.00247	.13134	.09651
Stddev	.00038	.01122	.00072	.00027	.00023
%RSD	119.20	1289.4	29.199	.20279	.24185
#1	-0.00059	.00706	-0.00196	.13153	.09634
#2	-0.00005	-0.00880	-0.00298	.13115	.09667

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	181.77	.00010	.0094	.00481
Stddev	.00002	.16	.00015	.0052	.00009
%RSD	17.295	.08664	154.10	55.56	1.9314
#1	-0.00009	181.88	.00021	.0130	.00474
#2	-0.00011	181.66	-0.00001	.0057	.00488

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00045	4.2698	15.160	.00380
Stddev	.00015	.00032	.0030	.050	.00021
%RSD	129.80	70.394	.06973	.32653	5.4546
#1	.00022	.00068	4.2677	15.195	.00395
#2	.00001	.00023	4.2719	15.125	.00365

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 191974-5 SOL Acquired: 11/18/2021 20:42:27 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	15.197	2.3661	-0.00376	12.720	.00958
Stddev	.025	.0040	.00012	.006	.00010
%RSD	.16522	.16732	3.0672	.04787	1.0257
#1	15.215	2.3689	-0.00384	12.715	.00965
#2	15.179	2.3633	-0.00368	12.724	.00951

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00155	4.593	-0.00467	-0.00398
Stddev	-----	.00018	.004	.00076	.00038
%RSD	-----	11.438	.0885	16.193	9.5648
#1	z 170.4	.00143	4.595	-0.00413	-0.00425
#2	z 172.5	.00168	4.590	-0.00520	-0.00371

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	8.6251	-0.00095	.21275	z *****	.00041
Stddev	.0049	.00002	.00053	-----	.00013
%RSD	.05620	1.9622	.25034	-----	30.780
#1	8.6285	-0.00096	.21313	z 94.05	.00050
#2	8.6217	-0.00094	.21238	z 93.11	.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 191974-5 SOL Acquired: 11/18/2021 20:42:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0012	.00003	.01579	z *****
Stddev	.00041	.00016	.00007	-----
%RSD	333.16	578.11	.46698	-----

#1	-0.00041	-0.00008	.01584	z 342.0
#2	.00017	.00014	.01573	z 340.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3828.0	2607.9	70177.	3884.8
Stddev	12.4	7.3	167.	1.7
%RSD	.32288	.27890	.23729	.04307

#1	3836.7	2613.0	70295.	3883.6
#2	3819.2	2602.7	70060.	3886.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.520%	97.926%	93.806%	96.127%
Range				

Sample Name: 191974-6 SOL Acquired: 11/18/2021 20:46:13 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	.01537	-.00448	.08820	.05778
Stddev	.00013	.00023	.00054	.00091	.00016
%RSD	1136.7	1.4812	12.089	1.0294	.26942
#1	.00008	.01521	-.00410	.08755	.05789
#2	-.00011	.01553	-.00486	.08884	.05767

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	180.89	.00021	.0336	.00029
Stddev	.00007	.64	.00010	.0115	.00014
%RSD	51.921	.35432	46.049	34.22	48.226
#1	-.00008	181.34	.00014	.0418	.00019
#2	-.00017	180.43	.00028	.0255	.00039

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00162	-.00310	1.9318	.00282
Stddev	.00053	.00012	.00261	.0040	.00054
%RSD	172.80	7.3768	84.139	.20512	19.029
#1	-.00007	.00154	-.00494	1.9346	.00244
#2	.00068	.00171	-.00126	1.9290	.00320

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 191974-6 SOL Acquired: 11/18/2021 20:46:13 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	31.380	.00017	-.00408	15.180	.00234
Stddev	.029	.00000	.00002	.034	.00012
%RSD	.09340	1.7030	.49303	.22306	5.2264
#1	31.359	.00017	-.00406	15.204	.00225
#2	31.401	.00017	-.00409	15.156	.00242

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00032	6.163	-.00360	-.00434
Stddev	-----	.00081	.021	.00033	.00083
%RSD	-----	251.60	.3338	9.1496	19.016
#1	z 174.8	.00089	6.148	-.00337	-.00493
#2	z 174.5	-.00025	6.177	-.00383	-.00376

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.9128	-.00068	.12426	z *****	.00040
Stddev	.0013	.00046	.00035	-----	.00001
%RSD	.02133	68.588	.27910	-----	2.5529
#1	5.9119	-.00035	.12450	z 95.45	.00041
#2	5.9137	-.00101	.12401	z 95.56	.00040

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 191974-6 SOL Acquired: 11/18/2021 20:46:13 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00085	-.00037	.05227	z *****
Stddev	.00041	.00017	.00032	-----
%RSD	48.826	45.403	.61306	-----

#1	.00114	-.00025	.05204	z 340.1
#2	.00055	-.00049	.05249	z 337.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3799.9	2598.5	69200.	3781.8
Stddev	10.0	9.8	191.	29.7
%RSD	.26209	.37749	.27587	.78578

#1	3806.9	2605.5	69335.	3760.8
#2	3792.8	2591.6	69065.	3802.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.869%	97.575%	92.500%	93.578%
Range				

Sample Name: 191976-2 SOL Acquired: 11/18/2021 20:50:01 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.05270	-.00008	.09441	.06456
Stddev	.00038	.00983	.00241	.00020	.00009
%RSD	960.42	18.648	2995.1	.21697	.13910
#1	-.00023	.05965	-.00178	.09455	.06462
#2	.00031	.04575	.00162	.09426	.06450

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	71.351	.00009	-.0074	.00008
Stddev	.00004	.201	.00013	.0177	.00007
%RSD	29.278	.28166	146.27	239.0	87.272
#1	-.00011	71.493	-.00000	.0051	.00003
#2	-.00017	71.209	.00019	-.0199	.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00080	.48860	4.3525	.00345
Stddev	.00017	.00011	.00656	.0249	.00062
%RSD	246.85	13.374	1.3428	.57250	17.966
#1	.00019	.00073	.49324	4.3701	.00388
#2	-.00005	.00088	.48396	4.3348	.00301

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 191976-2 SOL Acquired: 11/18/2021 20:50:01 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	35.029	.10161	-.00173	73.289	.00102
Stddev	.090	.00028	.00044	.099	.00015
%RSD	.25813	.27872	25.627	.13507	14.540
#1	35.093	.10181	-.00142	73.359	.00113
#2	34.965	.10141	-.00205	73.219	.00092

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00066	23.22	-.00325	-.00376
Stddev	-----	.00055	.00	.00111	.00076
%RSD	-----	83.257	.0043	34.127	20.190
#1	z 187.0	.00027	23.22	-.00403	-.00430
#2	z 185.9	.00105	23.22	-.00247	-.00323

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.4468	-.00129	.31693	z *****	.00241
Stddev	.0523	.00038	.00119	-----	.00054
%RSD	1.1766	29.510	.37501	-----	22.246
#1	4.4838	-.00156	.31777	z 91.95	.00203
#2	4.4098	-.00102	.31609	z 91.88	.00278

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 191976-2 SOL Acquired: 11/18/2021 20:50:01 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00014	.00026	.00662	z *****
Stddev	.00075	.00019	.00064	-----
%RSD	554.83	71.017	9.7178	-----

#1	-0.00040	.00039	.00707	z 324.3
#2	.00067	.00013	.00617	z 328.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3838.0	2618.8	70139.	3892.6
Stddev	7.1	5.3	314.	7.7
%RSD	.18443	.20355	.44745	.19882

#1	3843.0	2622.6	70361.	3887.2
#2	3833.0	2615.0	69917.	3898.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.750%	98.337%	93.755%	96.321%
Range				

Sample Name: 192025-2 SOL Acquired: 11/18/2021 20:53:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-.00915	-.00189	.05394	.07406
Stddev	.00024	.01679	.00102	.00022	.00019
%RSD	116.68	183.48	53.842	.40640	.25746
#1	.00037	-.02103	-.00262	.05410	.07393
#2	.00004	.00272	-.00117	.05379	.07420

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	144.20	.00017	.0341	.00043
Stddev	.00009	.53	.00007	.0006	.00007
%RSD	74.416	.36594	37.968	1.627	16.633
#1	-.00006	144.57	.00013	.0345	.00048
#2	-.00019	143.83	.00022	.0337	.00038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00109	.00103	3.8945	.00232
Stddev	.00020	.00064	.00208	.0294	.00068
%RSD	795.68	58.736	202.87	.75533	29.295
#1	-.00017	.00064	.00250	3.9153	.00280
#2	.00012	.00155	-.00045	3.8737	.00184

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-2 SOL Acquired: 11/18/2021 20:53:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	26.693	.12279	-.00368	4.4821	.00172
Stddev	.085	.00041	.00004	.0079	.00026
%RSD	.31907	.33044	.98730	.17723	15.195
#1	26.633	.12250	-.00366	4.4765	.00153
#2	26.753	.12307	-.00371	4.4878	.00190

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00022	5.717	-.00446	-.00109
Stddev	-----	.00033	.003	.00071	.00071
%RSD	-----	149.44	.0432	15.906	64.889
#1	z 166.0	.00045	5.715	-.00496	-.00059
#2	z 165.9	-.00001	5.718	-.00396	-.00159

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.6131	-.00017	.31897	z *****	.00035
Stddev	.0126	.00002	.00099	-----	.00031
%RSD	.22491	14.101	.30941	-----	88.590
#1	5.6042	-.00018	.31827	z 94.26	.00057
#2	5.6220	-.00015	.31967	z 92.80	.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-2 SOL Acquired: 11/18/2021 20:53:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00009	-.00009	.00022	z *****
Stddev	.00057	.00037	.00001	-----
%RSD	624.15	418.08	3.1138	-----

#1	.00050	-.00035	.00021	z 338.7
#2	-.00031	.00017	.00022	z 330.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3925.4	2621.7	71327.	3898.2
Stddev	9.3	5.2	188.	21.0
%RSD	.23654	.19693	.26299	.53876

#1	3931.9	2625.3	71460.	3883.4
#2	3918.8	2618.0	71195.	3913.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.772%	98.445%	95.344%	96.459%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 20:57:35 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95711	47.477	.96216	.95478	.94557	.97570	48.703	.94182
Stddev	.00124	.097	.00245	.00152	.00298	.00428	.169	.00113
%RSD	.12966	.20329	.25474	.15972	.31540	.43909	.34775	.11992
#1	.95623	47.545	.96389	.95370	.94768	.97873	48.823	.94102
#2	.95799	47.409	.96043	.95586	.94346	.97267	48.583	.94262

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9914	.96669	.96538	.96566	49.732	48.403	.95508	48.283
Stddev	.0043	.00139	.00188	.00127	.093	.258	.00516	.108
%RSD	.4292	.14370	.19486	.13171	.18703	.53204	.54013	.22409
#1	.9945	.96767	.96405	.96656	49.798	48.585	.95873	48.207
#2	.9884	.96571	.96671	.96476	49.667	48.221	.95143	48.360

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.98867	.97364	47.168	.98554	z *****	.96841	23.19	.93580
Stddev	.00125	.00464	.231	.00051	----	.00218	.01	.00189
%RSD	.12621	.47619	.49049	.05140	----	.22559	.0423	.20150
#1	.98779	.97037	47.332	.98590	z 10950.	.96995	23.18	.93447
#2	.98955	.97692	47.005	.98518	z 10970.	.96687	23.19	.93714

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 20:57:35 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.94239	9.5263	.96597	.95344	z *****	.97655	.99970	.97155
Stddev	.00005	.0121	.00096	.00445	----	.00128	.00303	.00018
%RSD	.00525	.12758	.09898	.46641	----	.13069	.30301	.01841
#1	.94242	9.5177	.96665	.95659	z 245.6	.97565	1.0018	.97142
#2	.94235	9.5349	.96530	.95030	z 249.8	.97745	.99756	.97168

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.96954	z *****
Stddev	.00061	----
%RSD	.06334	----
#1	.96997	z 2856.
#2	.96910	z 2865.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3742.4	2669.2	71169.	3987.4
Stddev	8.0	1.3	74.	18.3
%RSD	.21319	.04998	.10338	.46011
#1	3736.7	2668.3	71221.	3974.4
#2	3748.0	2670.2	71117.	4000.4

Sample Name: CCB-6785149 Acquired: 11/18/2021 21:01:10 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	-.00185	-.00063	-.00074	.00007	-.00008	.00181	-.00010
Stddev	.00024	.00518	.00151	.00027	.00001	.00001	.00101	.00005
%RSD	202.14	279.59	239.78	36.827	16.476	12.089	55.557	48.956
#1	.00029	.00181	.00044	-.00055	.00006	-.00008	.00110	-.00013
#2	-.00005	-.00552	-.00170	-.00094	.00008	-.00007	.00253	-.00006

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087	.00009	-.00002	.00002	.03038	.02549	.00067	-.00144
Stddev	.0134	.00002	.00010	.00007	.00578	.02437	.00137	.00008
%RSD	154.3	19.493	600.69	316.82	19.040	95.617	203.15	5.4324
#1	-.0008	.00008	-.00009	.00007	.02629	.00826	.00164	-.00138
#2	.0181	.00011	.00005	-.00003	.03447	.04272	-.00029	-.00149

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00001	.00245	.01122	-.00026	z *****	-.00037	.0049	-.00030
Stddev	.00005	.00040	.00026	.00022	----	.00053	.0022	.00056
%RSD	645.75	16.285	2.3088	83.318	----	146.05	44.81	188.01
#1	.00004	.00273	.01140	-.00011	z 136.5	-.00074	.0033	.00010
#2	-.00003	.00216	.01103	-.00041	z 136.3	.00001	.0064	-.00069

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 21:01:10 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00395	-.01266	-.00026	-.00000	z *****	.00025	.00054	-.00018
Stddev	.00078	.01995	.00040	.00001	----	.00013	.00040	.00003
%RSD	19.663	157.58	156.63	299.81	----	53.383	73.441	14.161
#1	.00450	-.02677	.00003	.00000	z 89.80	.00015	.00026	-.00016
#2	.00340	.00145	-.00054	-.00001	z 87.00	.00034	.00083	-.00020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00082	z *****
Stddev	.00035	----
%RSD	41.964	----
#1	-.00107	z 330.0
#2	-.00058	z 327.1

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4396.1	2805.5	76107.	3950.8
Stddev	11.2	2.4	76.	29.7
%RSD	.25500	.08620	.10006	.75277
#1	4388.1	2803.8	76053.	3929.8
#2	4404.0	2807.2	76161.	3971.8

Sample Name: CCVL-6768474 Acquired: 11/18/2021 21:05:01 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00561	.18336	.01221	.01686	.00204	.00184	.50054	.00185
Stddev	.00041	.00357	.00089	.00015	.00001	.00002	.00034	.00009
%RSD	7.3887	1.9450	7.2845	.87513	.61817	1.3202	.06697	5.0230
#1	.00591	.18588	.01158	.01697	.00203	.00183	.50077	.00191
#2	.00532	.18084	.01284	.01676	.00205	.00186	.50030	.00178

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0155	.00363	.00398	.00956	.06467	.48759	.02761	.18804
Stddev	.0130	.00007	.00000	.00010	.00271	.00719	.00021	.00083
%RSD	83.78	1.8219	.01834	1.0090	4.1899	1.4743	.76134	.44194
#1	.0063	.00358	.00398	.00949	.06276	.48251	.02775	.18746
#2	.0247	.00368	.00398	.00963	.06659	.49267	.02746	.18863

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00325	.00774	.95134	.00914	z *****	.00907	.1717	.01763
Stddev	.00008	.00019	.00212	.00022	----	.00000	.0008	.00001
%RSD	2.3109	2.4676	.22305	2.3786	----	.04745	.4613	.03848
#1	.00330	.00787	.94984	.00929	z 134.8	.00907	.1723	.01763
#2	.00320	.00760	.95284	.00899	z 135.5	.00908	.1712	.01764

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 21:05:01 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.01944	.44718	.00866	.00476	z *****	.00466	.01911	.00459
Stddev	.00127	.00821	.00086	.00001	-----	.00013	.00078	.00009
%RSD	6.5178	1.8356	9.8779	.16014	-----	2.8008	4.0792	1.8845
#1	.02034	.44138	.00927	.00477	z 87.85	.00475	.01966	.00465
#2	.01855	.45299	.00806	.00476	z 87.05	.00457	.01856	.00453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00968	z *****
Stddev	.00002	-----
%RSD	.22348	-----
#1	.00969	z 324.4
#2	.00966	z 328.2

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4371.4	2811.7	76388.	3987.3
Stddev	1.4	4.2	128.	20.0
%RSD	.03161	.15087	.16818	.50207
#1	4370.4	2808.7	76297.	4001.5
#2	4372.4	2814.7	76479.	3973.1

Sample Name: 192134-11 SOL Acquired: 11/18/2021 21:08:51 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.04367	.00054	.33418	.16517
Stddev	.00021	.01205	.00035	.00031	.00033
%RSD	46.230	27.603	64.795	.09290	.20190

#1	.00031	.05219	.00079	.33396	.16541
#2	.00062	.03515	.00029	.33440	.16494

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	29.266	-.00003	.0057	.01163
Stddev	.00010	.063	.00002	.0035	.00015
%RSD	122.57	.21536	60.417	60.95	1.2771

#1	-.00015	29.310	-.00002	.0033	.01153
#2	-.00001	29.221	-.00004	.0082	.01174

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00105	2.3769	17.079	.00561
Stddev	.00016	.00038	.0083	.059	.00078
%RSD	21.483	36.231	.34695	.34771	13.862

#1	.00065	.00078	2.3828	17.121	.00616
#2	.00088	.00131	2.3711	17.037	.00506

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 192134-11 SOL Acquired: 11/18/2021 21:08:51 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.156	3.6635	-0.0309	79.908	.03517
Stddev	.044	.0423	.00004	.082	.00009
%RSD	.33577	1.1553	1.2832	.10247	.26604
#1	13.187	3.6934	-0.0306	79.850	.03510
#2	13.125	3.6336	-0.0312	79.966	.03524

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00109	8.609	-0.00266	-0.00268
Stddev	-----	.00001	.014	.00085	.00054
%RSD	-----	1.3061	.1641	31.794	20.153
#1	z 163.8	.00111	8.599	-0.00207	-0.00229
#2	z 163.0	.00108	8.619	-0.00326	-0.00306

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.4452	-0.00065	.24140	z *****	.00009
Stddev	.0158	.00058	.00013	-----	.00021
%RSD	.28949	90.094	.05411	-----	236.76
#1	5.4341	-0.00024	.24150	z 89.75	-0.00006
#2	5.4564	-0.00106	.24131	z 90.65	.00024

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192134-11 SOL Acquired: 11/18/2021 21:08:51 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00118	.00023	.02260	z *****
Stddev	.00122	.00011	.00006	-----
%RSD	103.87	48.155	.27892	-----

#1	.00204	.00030	.02265	z 327.1
#2	.00031	.00015	.02256	z 325.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3963.0	2692.7	72117.	4001.6
Stddev	11.0	12.8	306.	.4
%RSD	.27778	.47670	.42409	.00929

#1	3970.8	2701.8	71901.	4001.3
#2	3955.2	2683.6	72334.	4001.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.641%	101.11%	96.400%	99.017%
Range				

Sample Name: 192134-2 SOL Acquired: 11/18/2021 21:12:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00055	.05478	.00046	2.5249	.93428
Stddev	.00002	.00087	.00158	.0042	.00058
%RSD	3.7531	1.5948	344.59	.16666	.06227
#1	-0.00054	.05540	.00157	2.5220	.93387
#2	-0.00057	.05416	-.00066	2.5279	.93469

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00006	244.03	.00073	.0143	.05606
Stddev	.00002	1.06	.00003	.0243	.00013
%RSD	35.585	.43271	4.4725	169.8	.22572
#1	-0.00004	244.78	.00075	.0315	.05597
#2	-0.00007	243.29	.00070	-.0029	.05615

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00404	.07373	.31829	72.635	.05348
Stddev	.00012	.00034	.00829	.025	.00071
%RSD	2.9608	.45640	2.6055	.03398	1.3343
#1	.00412	.07397	.32415	72.653	.05297
#2	.00395	.07349	.31242	72.618	.05398

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192134-2 SOL Acquired: 11/18/2021 21:12:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576-2	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}2	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	89.822	18.903	.01146	554.76	.17338
Stddev	.232	.051	.00104	.91	.00001
%RSD	.25850	.27058	9.0653	.16442	.00857
#1	89.657	18.940	.01219	555.40	.17339
#2	89.986	18.867	.01072	554.11	.17337

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.04366	6.062	-.00746	-.00995
Stddev	-----	.00312	.015	.00199	.00292
%RSD	-----	7.1497	.2546	26.717	29.366
#1	z 211.9	.04587	6.073	-.00605	-.00788
#2	z 209.6	.04145	6.051	-.00886	-.01201

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.659	.00002	1.7397	z *****	-.00127
Stddev	.024	.00053	.0008	-----	.00031
%RSD	.22548	2797.6	.04533	-----	23.999
#1	10.676	.00040	1.7391	z 100.1	-.00106
#2	10.642	-.00036	1.7402	z 96.84	-.00149

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192134-2 SOL Acquired: 11/18/2021 21:12:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00138	.00048	.00711	z *****
Stddev	.00124	.00016	.00008	-----
%RSD	89.938	33.808	1.1133	-----

#1	.00050	.00059	.00706	z 326.7
#2	.00226	.00036	.00717	z 320.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3314.3	2411.1	65334.	3937.0
Stddev	21.9	17.2	116.	.7
%RSD	.66146	.71132	.17771	.01876

#1	3329.8	2423.2	65416.	3937.5
#2	3298.8	2398.9	65252.	3936.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	76.641%	90.536%	87.332%	97.419%
Range				

Sample Name: 192134-6 SOL Acquired: 11/18/2021 21:16:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00054	.08850	-0.00055	1.9378	.28278
Stddev	.00051	.01813	.00183	.0007	.00064
%RSD	94.345	20.487	335.12	.03620	.22669
#1	-0.00018	.10133	.00075	1.9383	.28233
#2	-0.00091	.07568	-.00184	1.9373	.28324

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00017	369.73	.00024	-.0117	.04090
Stddev	.00001	2.08	.00007	.0117	.00012
%RSD	4.1318	.56140	30.923	100.6	.28142
#1	-0.00017	371.20	.00019	-.0200	.04098
#2	-0.00016	368.27	.00029	-.0034	.04082

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00245	.00329	.88061	20.612	.04112
Stddev	.00001	.00025	.00258	.073	.00100
%RSD	.29462	7.6169	.29292	.35512	2.4220
#1	.00245	.00311	.88243	20.560	.04041
#2	.00246	.00347	.87878	20.663	.04182

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192134-6 SOL Acquired: 11/18/2021 21:16:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	86.182	13.980	.00389	387.12	.15734
Stddev	.076	.073	.00030	2.66	.00030
%RSD	.08824	.52441	7.5801	.68670	.19151
#1	86.128	13.928	.00410	385.24	.15755
#2	86.236	14.032	.00368	389.00	.15713

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00090	6.722	-.00525	-.00572
Stddev	-----	.00093	.010	.00044	.00011
%RSD	-----	104.24	.1460	8.3392	1.9928
#1	z 218.4	.00156	6.729	-.00494	-.00564
#2	z 217.3	.00024	6.715	-.00556	-.00580

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	11.763	.00019	2.1810	z *****	.00149
Stddev	.019	.00037	.0170	-----	.00061
%RSD	.16357	195.70	.77920	-----	40.788
#1	11.749	.00045	2.1690	z 102.7	.00106
#2	11.777	-.00007	2.1930	z 102.3	.00193

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192134-6 SOL Acquired: 11/18/2021 21:16:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00169	.00032	.01042	z *****
Stddev	.00203	.00015	.00030	-----
%RSD	120.48	47.148	2.8447	-----

#1	-0.00025	.00043	.01063	z 332.7
#2	-0.00313	.00022	.01021	z 330.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3358.8	2447.1	65551.	3831.3
Stddev	3.6	3.7	260.	14.8
%RSD	.10601	.15051	.39592	.38582

#1	3356.2	2444.5	65734.	3841.8
#2	3361.3	2449.7	65367.	3820.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	77.669%	91.889%	87.622%	94.804%
Range				

Sample Name: 192025-4 SOL Acquired: 11/18/2021 21:20:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	-0.01572	.00217	.03002	.06989
Stddev	.00018	.01294	.00001	.00015	.00013
%RSD	92.035	82.324	.28097	.50417	.18697
#1	-0.00033	-0.02487	.00218	.02992	.06980
#2	-0.00007	-0.00657	.00217	.03013	.06998

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00011	136.02	-0.00004	.0318	.00033
Stddev	.00001	.35	.00003	.0134	.00012
%RSD	8.1743	.25371	89.644	41.98	35.575
#1	-0.00012	135.78	-0.00001	.0413	.00042
#2	-0.00011	136.26	-0.00006	.0224	.00025

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00027	1.9696	1.1792	.00344
Stddev	.00004	.00039	.0024	.0073	.00056
%RSD	27.657	145.61	.12297	.61682	16.410
#1	.00017	.00054	1.9713	1.1740	.00304
#2	.00011	-0.00001	1.9678	1.1843	.00383

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-4 SOL Acquired: 11/18/2021 21:20:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	28.711	.21499	-.00337	6.2847	.00077
Stddev	.018	.00006	.00011	.0094	.00004
%RSD	.06146	.02817	3.2222	.14956	5.0981
#1	28.699	.21503	-.00344	6.2913	.00075
#2	28.724	.21495	-.00329	6.2780	.00080

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00138	3.084	-.00300	-.00135
Stddev	-----	.00018	.012	.00151	.00201
%RSD	-----	13.345	.3799	50.479	148.91
#1	z 168.9	.00125	3.092	-.00193	-.00277
#2	z 167.6	.00151	3.075	-.00407	.00007

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.8995	-.00105	.17763	z *****	.00032
Stddev	.0247	.00068	.00001	-----	.00009
%RSD	.31276	64.711	.00404	-----	28.282
#1	7.9169	-.00153	.17763	z 92.73	.00039
#2	7.8820	-.00057	.17764	z 93.31	.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-4 SOL Acquired: 11/18/2021 21:20:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00144	-.00007	.00076	z *****
Stddev	.00047	.00011	.00052	-----
%RSD	32.754	154.01	67.838	-----

#1	.00110	-.00014	.00040	z 328.9
#2	.00177	.00001	.00113	z 330.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3937.3	2673.3	71411.	3920.1
Stddev	.7	5.7	14.	9.7
%RSD	.01720	.21146	.01903	.24670

#1	3937.7	2677.3	71420.	3927.0
#2	3936.8	2669.3	71401.	3913.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.046%	100.38%	95.455%	97.001%
Range				

Sample Name: 192025-5 SOL Acquired: 11/18/2021 21:24:37 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00023	-0.00525	-0.00097	.05857	.02813
Stddev	.00001	.01315	.00123	.00018	.00002
%RSD	3.6817	250.18	126.64	.31206	.07760

#1	-0.00023	-0.01455	-0.00010	.05844	.02811
#2	-0.00024	.00404	-0.00184	.05870	.02814

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	131.82	-0.00007	.0201	-0.00007
Stddev	.00011	.43	.00000	.0298	.00002
%RSD	87.711	.32801	2.5603	148.5	33.096

#1	-0.00020	131.51	-0.00007	-.0010	-.00005
#2	-0.00005	132.13	-0.00007	.0412	-.00008

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00063	-0.00344	1.6543	.00295
Stddev	.00017	.00023	.00178	.0040	.00222
%RSD	147.66	36.608	51.855	.24085	75.394

#1	-0.00001	.00047	-0.00218	1.6515	.00452
#2	.00024	.00080	-0.00470	1.6572	.00138

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 192025-5 SOL Acquired: 11/18/2021 21:24:37 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	26.243	.00120	-.00387	5.8291	.00030
Stddev	.309	.00004	.00010	.0376	.00023
%RSD	1.1761	3.5535	2.6660	.64506	76.442
#1	26.025	.00123	-.00380	5.8025	.00046
#2	26.461	.00117	-.00394	5.8557	.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00042	6.022	-.00282	-.00464
Stddev	-----	.00074	.033	.00181	.00200
%RSD	-----	176.35	.5482	64.088	43.099
#1	z 179.8	.00010	5.998	-.00154	-.00322
#2	z 177.3	-.00094	6.045	-.00410	-.00605

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.5822	-.00114	.29407	z *****	.00016
Stddev	.0379	.00027	.00168	-----	.00023
%RSD	.67852	23.951	.57118	-----	144.01
#1	5.6089	-.00095	.29288	z 96.27	-.00000
#2	5.5554	-.00133	.29526	z 97.14	.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192025-5 SOL Acquired: 11/18/2021 21:24:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00006	-.00037	-.00021	z *****
Stddev	.00007	.00005	.00004	-----
%RSD	127.70	12.774	19.390	-----

#1	.00010	-.00034	-.00018	z 354.2
#2	.00001	-.00041	-.00024	z 350.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3916.5	2645.3	69115.	3651.2
Stddev	1.0	4.3	490.	8.7
%RSD	.02442	.16432	.70942	.23922

#1	3917.2	2648.4	69462.	3657.3
#2	3915.8	2642.3	68768.	3645.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.567%	99.333%	92.386%	90.346%
Range				

Sample Name: 192025-6 SOL Acquired: 11/18/2021 21:28:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00058	-.01630	.00089	.82979	.04133
Stddev	.00024	.01294	.00024	.00346	.00008
%RSD	41.257	79.434	26.985	.41652	.19213
#1	.00075	-.02545	.00072	.83224	.04128
#2	.00041	-.00714	.00106	.82735	.04139

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	72.573	-.00000	-.0191	.00028
Stddev	.00004	.065	.00000	.0198	.00005
%RSD	39.179	.08939	188.25	103.5	17.055
#1	-.00008	72.527	-.00000	-.0051	.00025
#2	-.00014	72.619	.00000	-.0330	.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	.00016	8.5531	.89456	.00163
Stddev	.00010	.00000	.0187	.01135	.00051
%RSD	37.915	.68105	.21881	1.2687	31.366
#1	-.00019	.00016	8.5664	.90259	.00199
#2	-.00034	.00016	8.5399	.88654	.00126

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-6 SOL Acquired: 11/18/2021 21:28:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	43.474	.09576	-.00263	15.358	.00146
Stddev	.055	.00004	.00038	.039	.00013
%RSD	.12669	.04270	14.311	.25520	8.7808
#1	43.513	.09573	-.00237	15.330	.00137
#2	43.435	.09579	-.00290	15.385	.00155

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00028	1.589	-.00181	-.00501
Stddev	-----	.00057	.056	.00125	.00179
%RSD	-----	203.80	3.543	69.268	35.628
#1	z 165.4	-.00012	1.629	-.00270	-.00628
#2	z 166.6	.00069	1.549	-.00092	-.00375

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.173	-.00049	.18532	z *****	.00023
Stddev	.036	.00008	.00073	-----	.00008
%RSD	.34923	15.585	.39149	-----	36.142
#1	10.148	-.00054	.18481	z 94.71	.00017
#2	10.198	-.00044	.18583	z 91.32	.00029

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-6 SOL Acquired: 11/18/2021 21:28:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00126	-.00052	-.00063	z *****
Stddev	.00024	.00015	.00030	-----
%RSD	19.501	29.205	47.934	-----

#1	.00108	-.00063	-.00042	z 322.8
#2	.00143	-.00041	-.00085	z 324.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3962.8	2650.4	71815.	3983.0
Stddev	1.4	5.0	295.	15.8
%RSD	.03591	.18856	.41086	.39665

#1	3963.8	2646.8	72024.	3994.2
#2	3961.8	2653.9	71606.	3971.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.638%	99.522%	95.996%	98.558%
Range				

Sample Name: 192025-7 SOL Acquired: 11/18/2021 21:32:11 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00230	.00613	.11472	.27515
Stddev	.00004	.01354	.00068	.00020	.00069
%RSD	25.831	587.93	11.024	.17528	.25252
#1	.00017	-.00727	.00565	.11458	.27564
#2	.00012	.01188	.00661	.11486	.27466

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	103.30	.00015	.0197	.00101
Stddev	.00005	.19	.00005	.0067	.00018
%RSD	73.219	.18430	35.901	33.83	17.832
#1	-.00003	103.17	.00018	.0244	.00088
#2	-.00010	103.44	.00011	.0150	.00114

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00035	.00005	10.485	1.1661	.00437
Stddev	.00027	.00023	.032	.0032	.00003
%RSD	78.791	438.41	.30467	.27338	.59155
#1	-.00015	-.00011	10.462	1.1684	.00435
#2	-.00054	.00021	10.508	1.1639	.00439

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192025-7 SOL Acquired: 11/18/2021 21:32:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	49.784	.13887	-.00277	14.756	.00155
Stddev	.169	.00025	.00011	.003	.00001
%RSD	.33983	.18013	3.8702	.01815	.37890
#1	49.903	.13904	-.00270	14.757	.00156
#2	49.664	.13869	-.00285	14.754	.00155

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00012	15.17	-.00346	-.00536
Stddev	-----	.00037	.01	.00037	.00029
%RSD	-----	311.52	.0896	10.790	5.3382
#1	z 171.5	-.00014	15.17	-.00320	-.00556
#2	z 170.3	.00038	15.16	-.00373	-.00516

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	12.798	-.00060	.24670	z *****	.00025
Stddev	.091	.00057	.00007	-----	.00027
%RSD	.70924	94.648	.02822	-----	105.87
#1	12.734	-.00100	.24674	z 94.35	.00044
#2	12.862	-.00020	.24665	z 95.48	.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 192025-7 SOL Acquired: 11/18/2021 21:32:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00039	-.00051	-.00063	z *****
Stddev	.00174	.00017	.00011	-----
%RSD	440.88	33.348	17.299	-----

#1	.00162	-.00063	-.00071	z 322.3
#2	-.00083	-.00039	-.00055	z 329.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3878.7	2638.8	70827.	3915.9
Stddev	2.5	1.9	71.	18.5
%RSD	.06551	.07080	.09992	.47323

#1	3876.9	2637.5	70877.	3929.0
#2	3880.5	2640.2	70777.	3902.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.691%	99.089%	94.675%	96.897%
Range				

Sample Name: 192025-8 SOL Acquired: 11/18/2021 21:36:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00348	-.00108	.10736	.15872
Stddev	.00010	.00937	.00023	.00001	.00005
%RSD	542.87	269.21	21.641	.01329	.02965
#1	.00009	-.00315	-.00125	.10737	.15868
#2	-.00005	.01011	-.00092	.10735	.15875

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	185.79	.00019	-.0003	.00015
Stddev	.00004	.49	.00006	.0010	.00006
%RSD	27.548	.26416	30.865	381.1	41.245
#1	-.00012	186.14	.00024	.0004	.00010
#2	-.00017	185.45	.00015	-.0010	.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00201	.26183	31.180	.01084
Stddev	.00004	.00021	.00831	.055	.00108
%RSD	120.97	10.669	3.1735	.17553	9.9504
#1	-.00000	.00186	.26770	31.219	.01161
#2	-.00006	.00216	.25595	31.141	.01008

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192025-8 SOL Acquired: 11/18/2021 21:36:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	53.694	.08833	-.00380	12.911	.00174
Stddev	.139	.00021	.00012	.038	.00008
%RSD	.25835	.23726	3.1895	.29301	4.5344
#1	53.792	.08848	-.00371	12.938	.00168
#2	53.596	.08818	-.00388	12.885	.00180

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00063	32.67	-.00388	-.00616
Stddev	-----	.00011	.12	.00017	.00016
%RSD	-----	16.946	.3603	4.4216	2.5565
#1	z 177.2	-.00070	32.76	-.00376	-.00627
#2	z 177.6	-.00055	32.59	-.00400	-.00605

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.094	-.00136	.40931	z *****	.00065
Stddev	.017	.00024	.00022	-----	.00009
%RSD	.16690	17.529	.05280	-----	13.774
#1	10.106	-.00119	.40916	z 98.40	.00072
#2	10.082	-.00153	.40946	z 96.26	.00059

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192025-8 SOL Acquired: 11/18/2021 21:36:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00003	-0.00024	.00299	z *****
Stddev	.00135	.00008	.00009	-----
%RSD	4796.3	33.693	3.0363	-----

#1	.00093	-0.00029	.00292	z 333.9
#2	-0.00098	-0.00018	.00305	z 334.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3761.3	2597.8	69473.	3865.6
Stddev	11.9	3.1	258.	8.3
%RSD	.31561	.11957	.37161	.21425

#1	3769.7	2600.0	69290.	3859.8
#2	3752.9	2595.6	69655.	3871.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.978%	97.546%	92.864%	95.652%
Range				

Sample Name: 192064-2 SOL Acquired: 11/18/2021 21:39:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00040	-.00263	.30293	.13446
Stddev	.00026	.00908	.00046	.00028	.00070
%RSD	102.87	2291.1	17.643	.09344	.51693
#1	.00007	-.00603	-.00230	.30273	.13397
#2	.00043	.00682	-.00296	.30313	.13495

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	72.669	.00021	.0253	.00007
Stddev	.00001	.366	.00004	.0029	.00004
%RSD	6.5927	.50423	18.238	11.33	66.480
#1	-.00017	72.928	.00023	.0273	.00003
#2	-.00015	72.410	.00018	.0233	.00010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00132	.00011	33.533	.00136
Stddev	.00019	.00020	.00013	.171	.00185
%RSD	73.794	14.811	123.25	.51050	136.62
#1	.00012	.00146	.00001	33.654	.00005
#2	.00039	.00118	.00020	33.412	.00267

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 192064-2 SOL Acquired: 11/18/2021 21:39:49 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.309	.00014	-.00332	41.101	.00217
Stddev	.043	.00003	.00004	.101	.00022
%RSD	.41466	17.543	1.1981	.24591	10.181
#1	10.279	.00016	-.00330	41.173	.00233
#2	10.339	.00013	-.00335	41.030	.00202

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00083	8.693	-.00318	-.00481
Stddev	-----	.00055	.009	.00047	.00464
%RSD	-----	65.953	.1081	14.719	96.417
#1	z 158.4	.00121	8.686	-.00351	-.00153
#2	z 157.0	.00044	8.699	-.00285	-.00809

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.1882	-.00071	.07664	z *****	.00003
Stddev	.0170	.00004	.00022	-----	.00002
%RSD	.53406	5.3201	.29075	-----	49.415
#1	3.1762	-.00068	.07680	z 89.35	.00002
#2	3.2003	-.00073	.07649	z 90.33	.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 192064-2 SOL Acquired: 11/18/2021 21:39:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00109	.00007	.12737	z *****
Stddev	.00012	.00018	.00153	-----
%RSD	10.876	245.92	1.2019	-----

#1	.00100	-.00005	.12629	z 326.0
#2	.00117	.00020	.12845	z 324.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3910.4	2662.3	71193.	3889.0
Stddev	.8	2.1	304.	6.1
%RSD	.01945	.07758	.42656	.15573

#1	3911.0	2663.7	71408.	3884.7
#2	3909.9	2660.8	70978.	3893.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.427%	99.969%	95.164%	96.231%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 21:43:36 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94993	47.427	.95599	.95835	.94185	.97217	48.427	.93851
Stddev	.00376	.049	.00319	.00099	.00168	.00526	.151	.00105
%RSD	.39589	.10283	.33362	.10288	.17815	.54123	.31139	.11173
#1	.94727	47.393	.95825	.95765	.94304	.97589	48.533	.93777
#2	.95259	47.462	.95374	.95905	.94067	.96845	48.320	.93925

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9742	.95202	.96206	.95859	49.042	47.959	.94523	47.718
Stddev	.0237	.00038	.00345	.00228	.167	.030	.00205	.279
%RSD	2.433	.04037	.35872	.23739	.34008	.06228	.21739	.58422
#1	.9575	.95175	.95962	.95698	48.924	47.937	.94378	47.521
#2	.9910	.95229	.96450	.96020	49.160	47.980	.94669	47.915

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.97890	.97185	47.122	.96991	z *****	.94880	23.00	.93948
Stddev	.00440	.00430	.059	.00118	----	.00077	.04	.00415
%RSD	.44916	.44216	.12623	.12121	----	.08066	.1950	.44205
#1	.97579	.96881	47.164	.96908	z 10870.	.94934	22.97	.93654
#2	.98200	.97489	47.080	.97074	z 10900.	.94826	23.03	.94241

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 21:43:36 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93996	9.4509	.94795	.95084	z *****	.96881	.98746	.96578
Stddev	.00030	.0237	.00025	.00118	----	.00181	.00080	.00489
%RSD	.03205	.25023	.02621	.12361	----	.18695	.08121	.50630
#1	.94018	9.4342	.94812	.95168	z 248.0	.96753	.98803	.96233
#2	.93975	9.4676	.94777	.95001	z 244.7	.97009	.98689	.96924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.95557	z *****
Stddev	.00720	----
%RSD	.75321	----
#1	.95048	z 2850.
#2	.96066	z 2839.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3773.3	2676.0	71617.	3960.4
Stddev	.6	.1	120.	18.7
%RSD	.01603	.00501	.16765	.47115
#1	3772.9	2676.0	71702.	3973.6
#2	3773.7	2676.1	71533.	3947.2

Sample Name: CCB-6785149 Acquired: 11/18/2021 21:47:11 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0025	-0.01208	.00004	-0.00003	.00007	-0.00016	-0.00120	.00001
Stddev	.00035	.00545	.00066	.00019	.00000	.00005	.00133	.00019
%RSD	138.84	45.142	1823.2	716.91	7.0083	28.792	110.58	2365.8
#1	-0.00050	-0.00822	.000050	.00011	.00006	-0.00012	-.00215	-.00012
#2	-0.00000	-0.01594	-0.00043	-0.00016	.00007	-0.00019	-0.00026	.00014

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107	.00007	-0.00000	.00011	.01078	.05113	.00136	.00059
Stddev	.0100	.00018	.00016	.00017	.00179	.01728	.00077	.00025
%RSD	93.41	261.73	7158.7	146.92	16.608	33.788	56.247	43.070
#1	.0036	-0.00006	.00011	-0.00000	.00952	.06335	.00082	.00041
#2	.0178	.00020	-0.00011	.00023	.01205	.03892	.00190	.00076

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00006	.00289	.01748	-0.00022	z *****	.00040	.0050	-0.00030
Stddev	.00005	.00093	.00028	.00003	----	.00061	.0025	.00139
%RSD	76.525	32.026	1.6167	13.257	----	153.31	50.46	459.26
#1	.00010	.00354	.01768	-0.00020	z 135.6	-0.00003	.0068	.00068
#2	.00003	.00223	.01728	-0.00025	z 135.9	.00083	.0032	-.00128

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 21:47:11 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00391	-.02578	-.00046	-.00005	z *****	.00021	-.00004	.00012
Stddev	.00157	.00215	.00029	.00000	----	.00005	.00195	.00015
%RSD	40.020	8.3338	62.007	7.4204	----	22.517	4389.7	132.32
#1	.00281	-.02729	-.00026	-.00005	z 87.90	.00018	.00134	.00001
#2	.00502	-.02426	-.00067	-.00004	z 84.25	.00024	-.00143	.00022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00043	z *****
Stddev	.00015	----
%RSD	34.598	----
#1	-.00032	z 318.1
#2	-.00053	z 317.6

Check ? Chk Pass None
High Limit
Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4390.8	2790.3	76676.	4021.8
Stddev	5.9	.7	88.	29.8
%RSD	.13497	.02657	.11538	.74063
#1	4395.0	2790.8	76739.	4000.7
#2	4386.6	2789.7	76613.	4042.9

Sample Name: CCVL-6768474 Acquired: 11/18/2021 21:51:01 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00606	.14744	.01070	.01769	.00204	.00178	.50418	.00188
Stddev	.00028	.00179	.00036	.00021	.00001	.00006	.00432	.00005
%RSD	4.5459	1.2169	3.3833	1.1805	.31639	3.3649	.85743	2.4603
#1	.00625	.14617	.01044	.01784	.00205	.00182	.50112	.00191
#2	.00586	.14871	.01096	.01754	.00204	.00174	.50724	.00184

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.00359	.00376	.00944	.05265	.51189	.02780	.18935
Stddev	.0175	.00004	.00014	.00007	.00448	.01197	.00008	.00077
%RSD	1803.	1.1868	3.6163	.76762	8.5029	2.3387	.27424	.40578
#1	.0114	.00362	.00385	.00939	.04949	.50343	.02774	.18881
#2	-.0134	.00356	.00366	.00949	.05582	.52036	.02785	.18990

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00332	.00781	.94674	.00926	z *****	.00913	.1689	.01708
Stddev	.00001	.00005	.00652	.00014	----	.00047	.0020	.00020
%RSD	.15709	.67279	.68909	1.5368	----	5.1996	1.181	1.1436
#1	.00333	.00778	.94213	.00937	z 136.7	.00947	.1703	.01722
#2	.00332	.00785	.95135	.00916	z 137.3	.00880	.1674	.01694

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 21:51:01 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.01889	.44364	.00842	.00474	z *****	.00496	.01883	.00494
Stddev	.00217	.02257	.00008	.00000	----	.00014	.00011	.00018
%RSD	11.512	5.0874	.95755	.02251	----	2.7924	.58972	3.7330
#1	.01735	.42768	.00836	.00474	z 88.55	.00506	.01875	.00481
#2	.02043	.45960	.00848	.00474	z 87.90	.00487	.01891	.00507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01011	z *****
Stddev	.00002	----
%RSD	.22271	----
#1	.01009	z 326.6
#2	.01013	z 332.8

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4358.8	2813.7	76109.	3943.9
Stddev	8.9	1.3	77.	48.9
%RSD	.20438	.04727	.10152	1.2398
#1	4352.5	2812.8	76054.	3978.5
#2	4365.1	2814.7	76163.	3909.4

Sample Name: MB 480-605257/1-A Acquired: 11/18/2021 21:54:52 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	-.00743	-.00112	-.00037	.00009
Stddev	.00010	.01527	.00079	.00042	.00000
%RSD	55.787	205.33	70.889	113.60	2.3644

#1	.00011	.00336	-.00056	-.00007	.00009
#2	.00024	-.01823	-.00168	-.00067	.00010

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.05241	-.00001	-.0002	-.00012
Stddev	.00005	.00496	.00006	.0139	.00002
%RSD	49.676	9.4566	595.51	5754.	16.338

#1	-.00013	.05591	-.00006	-.0101	-.00010
#2	-.00006	.04891	.00003	.0096	-.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00020	.00310	.01697	.00135
Stddev	.00016	.00002	.00195	.00120	.00057
%RSD	104.63	11.326	62.927	7.0725	42.451

#1	.00026	.00019	.00172	.01613	.00175
#2	.00004	.00022	.00448	.01782	.00094

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: MB 480-605257/1-A Acquired: 11/18/2021 21:54:52 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00301	.00015	-.00311	.01861	-.00019
Stddev	.00185	.00001	.00000	.00066	.00010
%RSD	61.450	3.3136	.03426	3.5711	53.847
#1	.00431	.00015	-.00311	.01814	-.00012
#2	.00170	.00016	-.00311	.01908	-.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00005	.0058	-.00200	-.00075
Stddev	-----	.00037	.0035	.00008	.00043
%RSD	-----	784.63	60.11	4.1948	57.946
#1	z 135.5	.00031	.0083	-.00194	-.00044
#2	z 135.6	-.00022	.0034	-.00205	-.00106

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.01601	-.00020	.00005	z *****	.00007
Stddev	.01416	.00039	.00002	-----	.00008
%RSD	88.462	190.80	40.152	-----	100.92
#1	-.02602	.00007	.00004	z 87.95	.00002
#2	-.00599	-.00048	.00006	z 88.95	.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605257/1-A Acquired: 11/18/2021 21:54:52 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00072	-0.00016	.00029	z *****
Stddev	.00001	.00023	.00011	-----
%RSD	1.2209	149.57	37.574	-----

#1	-0.00072	.00001	.00021	z 325.5
#2	-0.00073	-0.00032	.00037	z 324.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4380.4	2818.4	76511.	3965.3
Stddev	4.3	1.6	202.	5.6
%RSD	.09707	.05610	.26434	.14116

#1	4377.4	2817.3	76368.	3969.2
#2	4383.4	2819.5	76654.	3961.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.29%	105.83%	102.27%	98.119%
Range				

Sample Name: LCS 480-605257/2-A Acquired: 11/18/2021 21:58:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04625	9.6311	.19207	.18910	.20998
Stddev	.00083	.0698	.00103	.00019	.00059
%RSD	1.7992	.72445	.53427	.09877	.28307
#1	.04683	9.5817	.19280	.18897	.21040
#2	.04566	9.6804	.19135	.18923	.20956

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20549	9.8112	.18767	-.0350	.18831
Stddev	.00027	.0129	.00035	.0173	.00023
%RSD	.12942	.13149	.18608	49.29	.11988
#1	.20568	9.8203	.18742	-.0228	.18815
#2	.20531	9.8021	.18792	-.0472	.18847

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19276	.18969	10.103	9.7260	.19140
Stddev	.00045	.00059	.001	.0103	.00241
%RSD	.23506	.31219	.01315	.10563	1.2567
#1	.19308	.19010	10.103	9.7333	.19310
#2	.19244	.18927	10.102	9.7188	.18970

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605257/2-A Acquired: 11/18/2021 21:58:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.9035	.21132	.19912	9.5109	.18975
Stddev	.0052	.00045	.00048	.0390	.00039
%RSD	.05280	.21398	.24298	.41015	.20571
#1	9.9072	.21164	.19877	9.5385	.18947
#2	9.8998	.21100	.19946	9.4833	.19002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.18849	8.694	.19685	.17981
Stddev	-----	.00044	.040	.00181	.00054
%RSD	-----	.23415	.4609	.91741	.29923
#1	z 156.8	.18818	8.665	.19558	.18019
#2	z 157.0	.18880	8.722	.19813	.17943

Check ? **None** **Chk Pass** **None** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.0276	.17990	.19829	z *****	.19689
Stddev	.0252	.00058	.00044	-----	.00043
%RSD	.27952	.32472	.22094	-----	.21586
#1	9.0455	.17948	.19860	z 88.48	.19719
#2	9.0098	.18031	.19798	z 89.05	.19659

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605257/2-A Acquired: 11/18/2021 21:58:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.19968	.19392	.19328	z *****
Stddev	.00026	.00026	.00184	-----
%RSD	.13193	.13319	.95085	-----

#1	.19987	.19411	.19458	z 395.3
#2	.19950	.19374	.19198	z 394.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4120.0	2746.2	74358.	3967.5
Stddev	.1	3.9	221.	7.0
%RSD	.00331	.14201	.29748	.17640

#1	4119.9	2748.9	74202.	3972.4
#2	4120.1	2743.4	74514.	3962.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.272%	103.12%	99.395%	98.173%
Range				

Sample Name: 480-192037-D-1-A Acquired: 11/18/2021 22:02:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00003	14.878	.00407	.05065	.23177
Stddev	.00001	.048	.00167	.00039	.00032
%RSD	22.240	.32351	41.087	.76170	.13968
#1	-0.00004	14.844	.00289	.05038	.23200
#2	-0.00003	14.912	.00525	.05092	.23155

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00069	125.72	.00252	.0421	.01016
Stddev	.00005	.96	.00009	.0228	.00022
%RSD	7.8946	.76092	3.7512	54.11	2.1277
#1	.00065	125.05	.00245	.0582	.01001
#2	.00073	126.40	.00258	.0260	.01031

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.02152	.02652	26.977	5.9164	.04414
Stddev	.00009	.00027	.081	.0417	.00059
%RSD	.42529	1.0278	.30066	.70521	1.3419
#1	.02158	.02671	26.919	5.8869	.04455
#2	.02146	.02633	27.034	5.9459	.04372

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-1-A Acquired: 11/18/2021 22:02:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	40.639	.54902	.00468	9.4255	.02745
Stddev	.085	.00119	.00018	.0228	.00016
%RSD	.20795	.21601	3.8387	.24151	.57840

#1	40.699	.54986	.00481	9.4416	.02734
#2	40.579	.54818	.00455	9.4094	.02756

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.01852	31.72	-.00085	-.00066
Stddev	-----	.00006	.02	.00137	.00247
%RSD	-----	.33838	.0492	162.43	374.19

#1	z 378.6	.01847	31.71	-.00182	.00109
#2	z 377.7	.01856	31.73	.00013	-.00241

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	26.105	-.00040	.34885	z *****	.14104
Stddev	.092	.00080	.00058	-----	.00121
%RSD	.35195	198.91	.16722	-----	.85830

#1	26.040	.00016	.34926	z 99.36	.14190
#2	26.170	-.00096	.34844	z 98.11	.14019

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192037-D-1-A Acquired: 11/18/2021 22:02:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00052	.02512	.07954	z *****
Stddev	.00027	.00012	.00005	-----
%RSD	51.869	.48995	.06701	-----

#1	-0.00033	.02520	.07950	z 340.6
#2	-0.00071	.02503	.07958	z 344.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3841.1	2696.6	72329.	3950.4
Stddev	1.3	.0	28.	57.5
%RSD	.03512	.00121	.03812	1.4550

#1	3842.1	2696.7	72310.	3991.0
#2	3840.1	2696.6	72349.	3909.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.823%	101.26%	96.683%	97.750%
Range				

Sample Name: 480-192037-D-2-A Acquired: 11/18/2021 22:06:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.96498	.00079	.02459	.11610
Stddev	.00002	.01161	.00200	.00012	.00022
%RSD	9.2049	1.2029	254.14	.48628	.18840
#1	.00019	.95677	-.00063	.02451	.11594
#2	.00017	.97319	.00220	.02468	.11625

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	182.35	.00032	.0020	.00078
Stddev	.00010	.21	.00005	.0033	.00005
%RSD	96.478	.11394	17.135	160.7	6.1288
#1	-.00017	182.49	.00028	-.0003	.00075
#2	-.00003	182.20	.00036	.0043	.00081

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00122	.00191	6.4682	2.8691	.02715
Stddev	.00038	.00013	.0402	.0092	.00017
%RSD	30.964	6.7603	.62212	.32258	.62131
#1	.00095	.00200	6.4967	2.8625	.02727
#2	.00149	.00182	6.4398	2.8756	.02703

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-2-A Acquired: 11/18/2021 22:06:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	53.042	.41357	.00094	186.54	.00263
Stddev	.000	.00035	.00005	.33	.00024
%RSD	.00071	.08415	4.8510	.17775	9.2464
#1	53.042	.41381	.00091	186.30	.00280
#2	53.043	.41332	.00097	186.77	.00246

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00094	22.23	-.00273	-.00573
Stddev	-----	.00072	.06	.00184	.00337
%RSD	-----	76.507	.2913	67.486	58.791
#1	z 187.2	.00043	22.27	-.00403	-.00812
#2	z 187.7	.00145	22.18	-.00143	-.00335

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	8.8179	-.00046	.37030	z *****	.01557
Stddev	.0466	.00020	.00025	-----	.00008
%RSD	.52864	44.739	.06811	-----	.49850
#1	8.8508	-.00031	.37048	z 96.95	.01562
#2	8.7849	-.00060	.37012	z 98.06	.01551

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192037-D-2-A Acquired: 11/18/2021 22:06:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00011	.00136	.00528	z *****
Stddev	.00054	.00009	.00030	-----
%RSD	497.09	6.7147	5.6556	-----

#1	.00049	.00130	.00549	z 328.8
#2	-.00027	.00143	.00507	z 327.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3604.3	2560.4	68408.	3886.5
Stddev	1.6	2.6	102.	1.0
%RSD	.04400	.10286	.14838	.02572

#1	3603.1	2558.6	68480.	3887.3
#2	3605.4	2562.3	68337.	3885.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.346%	96.145%	91.442%	96.170%
Range				

Sample Name: 480-192037-D-3-A Acquired: 11/18/2021 22:09:55 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.34604	-.00258	.03657	.07936
Stddev	.00017	.02170	.00082	.00061	.00003
%RSD	105.06	6.2707	31.753	1.6681	.04388
#1	.00004	.36139	-.00200	.03614	.07938
#2	.00028	.33070	-.00316	.03700	.07933

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	102.14	.00062	.0203	.00007
Stddev	.00009	.17	.00004	.0206	.00009
%RSD	106.87	.16724	6.6223	101.5	124.99
#1	-.00015	102.27	.00060	.0057	.00001
#2	-.00002	102.02	.00065	.0349	.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00060	.00181	1.9970	1.5924	.02372
Stddev	.00020	.00000	.0005	.0177	.00118
%RSD	32.630	.23247	.02536	1.1120	4.9694
#1	.00046	.00181	1.9966	1.5799	.02289
#2	.00074	.00181	1.9973	1.6049	.02456

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-3-A Acquired: 11/18/2021 22:09:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	34.348	.14060	.00029	10.242	.00076
Stddev	.049	.00004	.00010	.018	.00023
%RSD	.14128	.02647	36.275	.17175	30.015
#1	34.382	.14063	.00021	10.255	.00059
#2	34.313	.14057	.00036	10.230	.00092

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00124	34.59	-.00201	-.00246
Stddev	-----	.00086	.03	.00071	.00084
%RSD	-----	69.249	.0976	35.557	34.030
#1	z 178.0	.00185	34.61	-.00150	-.00305
#2	z 178.0	.00064	34.56	-.00251	-.00186

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.6883	-.00016	.26436	z *****	.00509
Stddev	.0312	.00009	.00004	-----	.00016
%RSD	.46611	59.179	.01465	-----	3.1922
#1	6.7103	-.00009	.26439	z 95.96	.00520
#2	6.6663	-.00023	.26433	z 94.01	.00497

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192037-D-3-A Acquired: 11/18/2021 22:09:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00060	.00028	.00690	z *****
Stddev	.00060	.00017	.00036	-----
%RSD	100.35	61.294	5.1783	-----

#1	.00103	.00040	.00716	z 329.9
#2	.00018	.00016	.00665	z 331.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3919.4	2671.6	71274.	3846.2
Stddev	1.2	3.1	189.	7.6
%RSD	.03077	.11782	.26514	.19668

#1	3920.2	2669.4	71141.	3840.9
#2	3918.5	2673.9	71408.	3851.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.632%	100.32%	95.273%	95.173%
Range				

Sample Name: 480-192037-D-4-A Acquired: 11/18/2021 22:13:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.02893	.00037	.01713	.42708
Stddev	.00006	.00528	.00008	.00023	.00284
%RSD	26.799	18.252	22.308	1.3639	.66423
#1	.00028	.03266	.00031	.01697	.42508
#2	.00019	.02519	.00043	.01730	.42909

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	154.36	.00005	.0057	-.00017
Stddev	.00002	.56	.00001	.0087	.00004
%RSD	9.6786	.36214	24.681	152.6	25.631
#1	-.00021	154.76	.00004	.0118	-.00020
#2	-.00018	153.97	.00006	-.0004	-.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.00043	3.1086	2.2469	.02880
Stddev	.00000	.00006	.0179	.0066	.00086
%RSD	2.9876	13.755	.57497	.29443	2.9815
#1	.00016	.00039	3.0959	2.2516	.02941
#2	.00016	.00047	3.1212	2.2423	.02820

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-4-A Acquired: 11/18/2021 22:13:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	53.444	.09926	-.00025	138.08	-.00042
Stddev	.039	.00018	.00007	.15	.00003
%RSD	.07369	.17783	29.052	.10848	6.2944
#1	53.416	.09939	-.00020	138.19	-.00040
#2	53.472	.09914	-.00030	137.98	-.00044

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00082	10.92	-.00237	-.00731
Stddev	-----	.00009	.06	.00155	.00073
%RSD	-----	11.182	.5205	65.382	10.028
#1	z 174.5	-.00089	10.96	-.00346	-.00782
#2	z 173.8	-.00076	10.88	-.00127	-.00679

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.7065	-.00045	.36359	z *****	.00078
Stddev	.0358	.00073	.00131	-----	.00002
%RSD	.46411	163.02	.36160	-----	3.1275
#1	7.7318	.00007	.36452	z 94.06	.00080
#2	7.6812	-.00096	.36266	z 93.90	.00076

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-4-A Acquired: 11/18/2021 22:13:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00042	-.00041	.00054	z *****
Stddev	.00060	.00019	.00065	-----
%RSD	144.06	45.811	121.17	-----

#1	.00084	-.00027	.00008	z 325.0
#2	-.00001	-.00054	.00100	z 321.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3659.5	2574.2	69176.	3891.3
Stddev	12.4	6.7	185.	31.0
%RSD	.33940	.26152	.26805	.79681

#1	3668.3	2579.0	69307.	3869.4
#2	3650.8	2569.4	69045.	3913.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.624%	96.662%	92.468%	96.287%
Range				

Sample Name: 480-192037-D-5-A Acquired: 11/18/2021 22:17:41 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.02176	-.00356	.01582	.37594
Stddev	.00005	.00719	.00038	.00014	.00272
%RSD	51.481	33.062	10.560	.85696	.72327
#1	.00007	.01667	-.00330	.01592	.37402
#2	.00014	.02684	-.00383	.01572	.37786

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	131.45	.00022	.0284	.00011
Stddev	.00000	.02	.00012	.0028	.00018
%RSD	2.8105	.01731	56.445	9.724	156.52
#1	-.00006	131.47	.00013	.0264	.00024
#2	-.00007	131.44	.00031	.0303	-.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.00078	.40674	2.2334	.01746
Stddev	.00011	.00003	.00133	.0094	.00025
%RSD	22.938	3.9309	.32695	.42244	1.4211
#1	.00054	.00076	.40579	2.2400	.01764
#2	.00039	.00080	.40768	2.2267	.01729

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-5-A Acquired: 11/18/2021 22:17:41 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	34.113	.03978	-.00100	116.57	-.00023
Stddev	.108	.00011	.00012	.24	.00017
%RSD	.31654	.28017	12.138	.20303	74.950
#1	34.037	.03970	-.00108	116.74	-.00036
#2	34.189	.03986	-.00091	116.40	-.00011

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00021	10.23	-.00239	-.00662
Stddev	-----	.00034	.01	.00010	.00010
%RSD	-----	166.23	.1044	4.1078	1.5536
#1	z 170.0	.00045	10.22	-.00232	-.00655
#2	z 168.9	-.00004	10.24	-.00246	-.00670

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.8730	.00003	.26336	z *****	.00065
Stddev	.0266	.00047	.00109	-----	.00017
%RSD	.45239	1366.2	.41333	-----	26.610
#1	5.8918	-.00030	.26413	z 95.69	.00053
#2	5.8543	.00037	.26259	z 92.88	.00078

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192037-D-5-A Acquired: 11/18/2021 22:17:41 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00056	-.00029	.00069	z *****
Stddev	.00121	.00008	.00033	-----
%RSD	216.34	27.198	47.646	-----

#1	.00141	-.00024	.00093	z 325.1
#2	-.00030	-.00035	.00046	z 331.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3744.1	2604.2	69535.	3828.7
Stddev	5.6	4.2	217.	11.5
%RSD	.15000	.15993	.31244	.29984

#1	3740.1	2601.3	69688.	3820.6
#2	3748.1	2607.2	69381.	3836.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.580%	97.789%	92.947%	94.740%
Range				

Sample Name: 480-192337-C-1-B Acquired: 11/18/2021 22:21:34 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.01163	-.00183	-.00043	.00001
Stddev	.00045	.00378	.00276	.00016	.00000
%RSD	684.37	32.527	150.96	36.980	3.3571
#1	.00039	.01431	-.00377	-.00031	.00001
#2	-.00026	.00896	.00012	-.00054	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	.01252	-.00004	-.0280	-.00003
Stddev	.00001	.00299	.00006	.0129	.00014
%RSD	2.8942	23.875	137.54	46.19	436.44
#1	-.00018	.01463	-.00008	-.0188	.00007
#2	-.00017	.01040	-.00000	-.0371	-.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00031	-.00049	.00684	.02482	.00052
Stddev	.00017	.00017	.00044	.01989	.00017
%RSD	54.128	33.636	6.4202	80.106	31.983
#1	.00042	-.00037	.00653	.01076	.00063
#2	.00019	-.00061	.00715	.03889	.00040

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192337-C-1-B Acquired: 11/18/2021 22:21:34 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.00003	-.00364	.05587	-.00016
Stddev	.00069	.00004	.00022	.00144	.00013
%RSD	75.307	146.95	6.0717	2.5693	86.101
#1	.00043	.00006	-.00380	.05688	-.00025
#2	.00140	-.00000	-.00348	.05485	-.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00006	.0048	-.00099	-.00093
Stddev	-----	.00055	.0006	.00126	.00014
%RSD	-----	858.13	11.40	128.38	14.862
#1	z 131.1	.00032	.0045	-.00009	-.00103
#2	z 131.0	-.00045	.0052	-.00188	-.00083

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.03065	.00022	-.00000	z *****	.00000
Stddev	.00647	.00015	.00001	-----	.00009
%RSD	21.122	66.976	226.01	-----	54757.
#1	-.03523	.00033	.00000	z 83.30	-.00007
#2	-.02608	.00012	-.00001	z 83.55	.00007

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192337-C-1-B Acquired: 11/18/2021 22:21:34 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00030	-0.00027	-0.00066	z *****
Stddev	.00047	.00007	.00042	-----
%RSD	153.31	26.150	63.821	-----

#1	.00003	-0.00022	-0.00095	z 318.4
#2	-0.00063	-0.00032	-0.00036	z 317.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4429.6	2827.3	78210.	4117.0
Stddev	10.4	3.8	88.	8.0
%RSD	.23572	.13283	.11207	.19388

#1	4422.2	2824.7	78148.	4122.7
#2	4437.0	2830.0	78272.	4111.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.43%	106.17%	104.54%	101.87%
Range				

Sample Name: 480-192275-C-1-B Acquired: 11/18/2021 22:25:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00036	.04158	.01295	.38829	.19800
Stddev	.00051	.00249	.00000	.00059	.00010
%RSD	141.06	5.9968	.02691	.15073	.04899
#1	-0.00073	.04335	.01294	.38871	.19793
#2	-0.00000	.03982	.01295	.38788	.19807

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	124.59	.00023	.0052	.00032
Stddev	.00004	.34	.00012	.0026	.00033
%RSD	37.717	.27096	53.488	48.81	102.27
#1	-0.00007	124.83	.00031	.0034	.00055
#2	-0.00012	124.35	.00014	.0071	.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00032	5.3878	1.4764	.07799
Stddev	.00030	.00025	.0143	.0024	.00016
%RSD	68.127	78.279	.26595	.16217	.20947
#1	.00023	.00049	5.3979	1.4747	.07811
#2	.00065	.00014	5.3776	1.4781	.07788

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-1-B Acquired: 11/18/2021 22:25:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	49.397	.15729	-.00321	81.613	.00019
Stddev	.041	.00003	.00002	.216	.00033
%RSD	.08339	.01659	.77452	.26507	176.88
#1	49.368	.15731	-.00323	81.766	.00042
#2	49.426	.15727	-.00320	81.460	-.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00096	7.589	-.00211	-.00297
Stddev	-----	.00032	.014	.00051	.00230
%RSD	-----	33.177	.1866	24.288	77.310
#1	z 183.8	.00074	7.599	-.00248	-.00460
#2	z 184.0	.00119	7.579	-.00175	-.00135

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.913	-.00114	1.6809	z *****	.00205
Stddev	.000	.00053	.0076	-----	.00007
%RSD	.00146	46.130	.45232	-----	3.3679
#1	10.913	-.00151	1.6862	z 92.14	.00210
#2	10.912	-.00077	1.6755	z 93.00	.00200

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-1-B Acquired: 11/18/2021 22:25:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00018	.00169	.00014	z *****
Stddev	.00003	.00010	.00041	-----
%RSD	15.480	5.7061	296.97	-----

#1	.00016	.00162	-.00015	z 336.7
#2	.00020	.00176	.00043	z 337.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3759.9	2632.4	70930.	3950.2
Stddev	.5	.3	68.	2.5
%RSD	.01393	.01291	.09597	.06239

#1	3759.5	2632.7	70882.	3951.9
#2	3760.2	2632.2	70978.	3948.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.945%	98.848%	94.813%	97.745%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 22:29:10 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.92549	9.5467	.95048	.95875	z *****	.98165	1.0002	.97933
Stddev	.00365	.0233	.00129	.00303	----	.00026	.0008	.00105
%RSD	.39488	.24407	.13574	.31630	----	.02646	.07831	.10722
#1	.92807	9.5632	.94956	.96089	z 243.6	.98183	1.0008	.98007
#2	.92290	9.5303	.95139	.95660	z 245.2	.98146	.99965	.97858

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.98064	z *****
Stddev	.00492	----
%RSD	.50166	----
#1	.98412	z 2751.
#2	.97716	z 2758.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3786.6	2737.6	71209.	3831.6
Stddev	7.4	8.6	428.	21.2
%RSD	.19612	.31588	.60108	.55348
#1	3791.9	2743.7	70906.	3816.6
#2	3781.4	2731.4	71511.	3846.6

Sample Name: CCB-6785149 Acquired: 11/18/2021 22:32:45 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	-.01207	-.00184	-.00063	.00007	-.00007	.00280	.00000
Stddev	.00026	.00399	.00047	.00013	.00000	.00010	.00009	.00010
%RSD	896.45	33.019	25.709	20.255	4.5615	140.17	3.1268	3139.5
#1	.00015	-.01489	-.00151	-.00072	.00007	-.00015	.00287	-.00006
#2	-.00021	-.00925	-.00217	-.00054	.00007	-.00000	.00274	.00007

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0028	.00009	.00021	.00020	.00604	.03672	.00043	-.00007
Stddev	.0019	.00006	.00005	.00011	.00139	.00802	.00016	.00027
%RSD	66.88	59.870	23.052	52.780	23.013	21.835	36.941	366.68
#1	-.0015	.00005	.00018	.00027	.00702	.04239	.00032	.00012
#2	-.0041	.00013	.00025	.00013	.00506	.03105	.00055	-.00027

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00006	.00277	.01920	-.00039	z *****	.00050	-.0002	-.00025
Stddev	.00000	.00090	.01172	.00013	----	.00044	.0019	.00126
%RSD	6.4913	32.414	61.005	32.653	----	87.153	1056.	513.68
#1	.00006	.00341	.02749	-.00048	z 138.8	.00019	.0011	.00065
#2	.00007	.00214	.01092	-.00030	z 138.9	.00081	-.0015	-.00114

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 22:32:45 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00248	-.01796	-.00058	.00000	z *****	.00032	-.00010	-.00008
Stddev	.00178	.00702	.00001	.00001	----	.00017	.00074	.00035
%RSD	71.608	39.068	1.4504	142.39	----	53.964	725.85	421.27
#1	.00122	-.01300	-.00059	.00001	z 90.40	.00044	.00042	-.00033
#2	.00373	-.02292	-.00058	-.00000	z 89.05	.00020	-.00062	.00016

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00015	z *****
Stddev	.00009	----
%RSD	62.677	----
#1	-.00021	z 338.7
#2	-.00008	z 329.8

Check ? **Chk Pass** None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4421.4	2823.1	76088.	3850.0
Stddev	4.3	4.0	289.	68.4
%RSD	.09786	.14068	.37979	1.7755
#1	4424.5	2825.9	75883.	3801.6
#2	4418.4	2820.3	76292.	3898.3

Sample Name: CCVL-6768474 Acquired: 11/18/2021 22:36:36 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00573	.18505	.01129	.01703	.00203	.00187	.49954	.00186
Stddev	.00007	.00733	.00065	.00004	.00001	.00000	.00493	.00004
%RSD	1.2729	3.9623	5.7705	.26193	.52442	.01257	.98721	2.0295
#1	.00568	.19024	.01175	.01706	.00203	.00187	.49605	.00189
#2	.00578	.17987	.01083	.01700	.00202	.00187	.50303	.00183

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.00364	.00375	.00925	.05140	.48384	.02772	.18789
Stddev	.0123	.00002	.00003	.00001	.00193	.01139	.00006	.00047
%RSD	549.9	.61372	.82210	.12028	3.7556	2.3540	.22264	.25037
#1	.0110	.00362	.00373	.00926	.05004	.49189	.02776	.18823
#2	-.0065	.00365	.00378	.00925	.05277	.47578	.02767	.18756

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00327	.00806	.95059	.00910	z *****	.00883	.1680	.01935
Stddev	.00001	.00022	.00184	.00011	----	.00012	.0005	.00032
%RSD	.18276	2.7720	.19397	1.1802	----	1.3314	.3234	1.6679
#1	.00327	.00822	.95189	.00903	z 136.9	.00892	.1676	.01957
#2	.00327	.00791	.94928	.00918	z 138.1	.00875	.1684	.01912

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 22:36:36 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02276	.41468	.00891	.00476	z *****	.00484	.01957	.00452
Stddev	.00099	.01033	.00036	.00000	-----	.00005	.00144	.00007
%RSD	4.3358	2.4908	4.0605	.08786	-----	1.0006	7.3368	1.6546
#1	.02346	.40738	.00917	.00476	z 85.25	.00488	.01855	.00458
#2	.02207	.42199	.00865	.00476	z 85.65	.00481	.02058	.00447

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00967	z *****
Stddev	.00049	-----
%RSD	5.0964	-----
#1	.00932	z 325.6
#2	.01002	z 329.7

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4395.3	2829.8	76827.	3979.1
Stddev	6.1	2.4	3.	4.9
%RSD	.13841	.08319	.00441	.12209
#1	4399.6	2828.2	76825.	3982.5
#2	4391.0	2831.5	76830.	3975.6

Sample Name: 480-192275-C-2-B Acquired: 11/18/2021 22:40:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.19554	.00026	.04568	.08027
Stddev	.00026	.02564	.00340	.00017	.00011
%RSD	82.925	13.113	1313.8	.36386	.13569
#1	.00013	.21367	.00266	.04556	.08019
#2	.00049	.17741	-.00214	.04580	.08035

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	160.42	.00015	.0227	-.00006
Stddev	.00006	.41	.00001	.0015	.00003
%RSD	29.571	.25414	5.2116	6.627	46.242
#1	-.00015	160.70	.00015	.0238	-.00008
#2	-.00023	160.13	.00014	.0217	-.00004

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00018	1.3847	2.7422	.00558
Stddev	.00011	.00048	.0041	.0290	.00062
%RSD	114.44	271.02	.29396	1.0590	11.182
#1	.00002	-.00016	1.3876	2.7216	.00514
#2	.00017	.00051	1.3818	2.7627	.00602

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-2-B Acquired: 11/18/2021 22:40:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	47.331	.06267	-.00196	76.485	-.00011
Stddev	.148	.00011	.00003	.161	.00028
%RSD	.31280	.18231	1.7208	.21099	262.31
#1	47.226	.06259	-.00194	76.599	.00009
#2	47.436	.06275	-.00199	76.371	-.00031

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00077	61.82	-.00274	-.00541
Stddev	-----	.00003	.06	.00127	.00025
%RSD	-----	3.6825	.1047	46.355	4.5405
#1	z 181.0	-.00079	61.77	-.00184	-.00524
#2	z 179.8	-.00075	61.86	-.00364	-.00559

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.8938	-.00059	.90153	z *****	.00780
Stddev	.0187	.00005	.00197	-----	.00046
%RSD	.31679	9.0011	.21804	-----	5.9402
#1	5.9070	-.00055	.90014	z 95.50	.00812
#2	5.8806	-.00063	.90292	z 94.19	.00747

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-2-B Acquired: 11/18/2021 22:40:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00041	.00024	.01153	z *****
Stddev	.00008	.00018	.00019	-----
%RSD	20.206	74.618	1.6527	-----

#1	-0.00035	.00011	.01167	z 329.9
#2	-0.00047	.00037	.01140	z 327.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3733.2	2599.1	69516.	3875.7
Stddev	2.2	3.9	174.	17.5
%RSD	.05960	.14949	.24962	.45090

#1	3731.7	2601.8	69638.	3863.3
#2	3734.8	2596.3	69393.	3888.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.329%	97.596%	92.922%	95.902%
Range				

Sample Name: 480-192275-C-3-B Acquired: 11/18/2021 22:44:12 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.02553	.01046	.37280	.19221
Stddev	.00001	.03030	.00201	.00111	.00007
%RSD	7.4543	118.66	19.245	.29903	.03559
#1	.00020	.04696	.00904	.37202	.19226
#2	.00018	.00411	.01189	.37359	.19216

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	124.19	.00024	.0062	.00033
Stddev	.00007	1.27	.00002	.0015	.00001
%RSD	70.204	1.0239	7.1742	24.52	1.7377
#1	-.00015	125.09	.00022	.0051	.00032
#2	-.00005	123.29	.00025	.0072	.00033

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00063	.00004	5.0578	1.4426	.07467
Stddev	.00017	.00037	.0387	.0277	.00156
%RSD	26.387	969.32	.76592	1.9179	2.0920
#1	.00075	-.00022	5.0852	1.4622	.07577
#2	.00051	.00030	5.0304	1.4230	.07356

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-3-B Acquired: 11/18/2021 22:44:12 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	48.872	.15780	-.00305	80.476	.00031
Stddev	.180	.00058	.00004	.754	.00016
%RSD	.36828	.36765	1.3935	.93664	51.346
#1	48.999	.15821	-.00308	81.009	.00042
#2	48.744	.15739	-.00302	79.943	.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00032	7.265	-.00186	-.00392
Stddev	-----	.00003	.014	.00047	.00135
%RSD	-----	9.8050	.1973	25.351	34.520
#1	z 186.6	.00034	7.255	-.00220	-.00296
#2	z 186.2	.00030	7.275	-.00153	-.00488

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.750	-.00050	1.6517	z *****	.00134
Stddev	.155	.00006	.0196	-----	.00030
%RSD	1.4404	11.771	1.1862	-----	22.443
#1	10.860	-.00046	1.6656	z 96.56	.00113
#2	10.641	-.00055	1.6379	z 95.99	.00155

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-3-B Acquired: 11/18/2021 22:44:12 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00048	.00174	.00016	z *****
Stddev	.00064	.00025	.00037	-----
%RSD	134.12	14.391	238.70	-----

#1	.00002	.00192	.00042	z 344.9
#2	.00093	.00157	-.00011	z 346.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3760.4	2657.2	69769.	3780.9
Stddev	5.9	9.8	335.	37.2
%RSD	.15563	.36951	.47958	.98428

#1	3764.5	2664.1	69533.	3754.6
#2	3756.2	2650.2	70006.	3807.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.956%	99.777%	93.261%	93.556%
Range				

Sample Name: 480-192275-C-4-D Acquired: 11/18/2021 22:47:58 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00018	.03783	-.00142	.04364	.12900
Stddev	.00033	.01597	.00125	.00005	.00013
%RSD	177.54	42.228	87.983	.11209	.10018
#1	.00005	.02653	-.00054	.04368	.12891
#2	-.00042	.04912	-.00231	.04361	.12909

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	144.83	.00020	.0132	-.00008
Stddev	.00002	.43	.00000	.0107	.00026
%RSD	13.428	.29479	2.1289	81.07	323.42
#1	-.00014	144.52	.00021	.0207	.00010
#2	-.00012	145.13	.00020	.0056	-.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00044	.36899	2.6704	.00824
Stddev	.00030	.00014	.00225	.0196	.00136
%RSD	102.13	31.367	.60888	.73366	16.551
#1	.00008	.00035	.36740	2.6843	.00727
#2	.00051	.00054	.37058	2.6566	.00920

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-4-D Acquired: 11/18/2021 22:47:58 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	46.043	.02701	-.00368	139.71	-.00036
Stddev	.283	.00012	.00002	.12	.00012
%RSD	.61410	.46179	.53642	.08651	32.880
#1	45.843	.02692	-.00367	139.62	-.00028
#2	46.243	.02710	-.00370	139.79	-.00045

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00045	37.73	-.00218	-.00644
Stddev	-----	.00052	.11	.00043	.00103
%RSD	-----	115.24	.2875	19.498	15.962
#1	z 178.0	.00008	37.65	-.00248	-.00571
#2	z 178.2	.00082	37.81	-.00188	-.00717

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.5284	-.00044	2.3145	z *****	.00132
Stddev	.0284	.00098	.0047	-----	.00021
%RSD	.51393	220.11	.20300	-----	16.126
#1	5.5485	-.00113	2.3111	z 97.01	.00117
#2	5.5083	.00025	2.3178	z 97.35	.00147

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-4-D Acquired: 11/18/2021 22:47:58 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00045	-0.00011	-0.00064	z *****
Stddev	.00131	.00019	.00013	-----
%RSD	291.60	173.88	20.487	-----

#1	.00048	.00003	-0.00055	z 324.0
#2	-0.00137	-0.00025	-0.00073	z 328.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3694.7	2601.8	68959.	3868.9
Stddev	.1	6.2	75.	11.8
%RSD	.00138	.23748	.10945	.30381

#1	3694.7	2606.1	69013.	3877.2
#2	3694.6	2597.4	68906.	3860.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.437%	97.696%	92.178%	95.733%
Range				

Sample Name: 480-192275-C-4-DSD@5 Acquired: 11/18/2021 22:51:51 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	.00821	-.00266	.00742	.02644
Stddev	.00008	.01583	.00268	.00027	.00008
%RSD	162.59	192.81	100.62	3.6047	.28538

#1	-.00011	.01941	-.00455	.00723	.02650
#2	.00001	-.00298	-.00077	.00761	.02639

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	29.416	.00001	-.0207	-.00003
Stddev	.00007	.139	.00002	.0124	.00005
%RSD	51.056	.47207	216.20	59.65	183.64

#1	-.00019	29.318	.00002	-.0120	.00001
#2	-.00009	29.514	-.00000	-.0295	-.00006

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00003	.07748	.54895	.00146
Stddev	.00006	.00010	.00233	.03967	.00079
%RSD	29.108	334.79	3.0112	7.2265	54.049

#1	.00016	-.00004	.07913	.52089	.00201
#2	.00024	.00010	.07583	.57700	.00090

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192275-C-4-DSD@5 Acquired: 11/18/2021 22:51:51 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.1130	.00556	-.00383	27.186	.00041
Stddev	.0086	.00001	.00008	.023	.00004
%RSD	.09429	.12794	2.0487	.08624	10.811

#1	9.1069	.00556	-.00388	27.203	.00044
#2	9.1191	.00557	-.00377	27.170	.00038

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00019	7.406	-.00170	-.00168
Stddev	-----	.00032	.017	.00044	.00110
%RSD	-----	171.25	.2244	26.194	65.408

#1	z 150.0	-.00004	7.394	-.00201	-.00246
#2	z 150.2	.00041	7.418	-.00138	-.00090

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	1.0844	-.00083	.46150	z *****	.00023
Stddev	.0082	.00004	.00030	-----	.00021
%RSD	.75574	5.2913	.06445	-----	93.058

#1	1.0786	-.00080	.46171	z 87.19	.00008
#2	1.0902	-.00086	.46129	z 87.11	.00038

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192275-C-4-DSD@5 Acquired: 11/18/2021 22:51:51 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0011	-0.0009	-0.00070	z *****
Stddev	.00159	.00025	.00058	-----
%RSD	1486.7	262.82	82.043	-----

#1	-0.00123	-0.00027	-0.00111	z 322.3
#2	.00102	.00008	-0.00030	z 324.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4101.5	2726.3	73704.	3921.8
Stddev	5.1	3.5	4.	21.1
%RSD	.12398	.12856	.00568	.53756

#1	4097.9	2723.8	73707.	3936.7
#2	4105.1	2728.7	73701.	3906.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.844%	102.37%	98.520%	97.042%
Range				

Sample Name: 480-192275-C-4-DPDS Acquired: 11/18/2021 22:55:38 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.05052	9.9014	.21471	.24182	.32832
Stddev	.00085	.0038	.00124	.00111	.00052
%RSD	1.6779	.03860	.57547	.45695	.15977

#1	.05112	9.9041	.21558	.24260	.32795
#2	.04992	9.8987	.21383	.24104	.32870

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21368	149.40	.20043	.0255	.20232
Stddev	.00006	.23	.00030	.0022	.00018
%RSD	.02828	.15106	.15154	8.739	.08655

#1	.21364	149.56	.20064	.0270	.20244
#2	.21372	149.24	.20022	.0239	.20219

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19853	.20279	10.713	12.899	.20802
Stddev	.00026	.00076	.025	.034	.00217
%RSD	.12927	.37355	.23061	.26501	1.0430

#1	.19871	.20332	10.696	12.875	.20649
#2	.19834	.20225	10.730	12.923	.20956

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192275-C-4-DPDS Acquired: 11/18/2021 22:55:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	54.830	.23442	.20824	145.36	.20417
Stddev	.087	.00027	.00016	.39	.00001
%RSD	.15865	.11340	.07505	.27156	.00317
#1	54.768	.23423	.20813	145.64	.20417
#2	54.891	.23461	.20835	145.08	.20416

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.20192	46.69	.21145	.19280
Stddev	-----	.00023	.10	.00014	.00394
%RSD	-----	.11499	.2066	.06525	2.0423
#1	z 189.3	.20209	46.76	.21154	.19558
#2	z 192.4	.20176	46.63	.21135	.19001

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	14.852	.19827	2.4490	z *****	.20889
Stddev	.051	.00079	.0014	-----	.00040
%RSD	.34272	.39679	.05882	-----	.19312
#1	14.816	.19771	2.4501	z 94.06	.20918
#2	14.888	.19883	2.4480	z 95.82	.20861

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-4-DPDS Acquired: 11/18/2021 22:55:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20985	.20443	.19744	z *****
Stddev	.00059	.00015	.00137	-----
%RSD	.27938	.07367	.69410	-----

#1	.20944	.20432	.19647	z 410.2
#2	.21027	.20454	.19841	z 402.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3642.7	2598.1	69706.	3963.8
Stddev	2.0	4.8	116.	4.4
%RSD	.05373	.18480	.16636	.11104

#1	3641.3	2594.7	69624.	3960.7
#2	3644.1	2601.5	69788.	3966.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.236%	97.560%	93.176%	98.081%
Range				

Sample Name: 480-192275-C-4-E MS Acquired: 11/18/2021 22:59:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04975	9.7989	.20664	.23799	.32932
Stddev	.00085	.0095	.00085	.00004	.00189
%RSD	1.6998	.09678	.41342	.01615	.57530
#1	.05034	9.8056	.20725	.23802	.33066
#2	.04915	9.7922	.20604	.23796	.32798

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20850	157.46	.19325	.0105	.19598
Stddev	.00081	.72	.00023	.0153	.00023
%RSD	.38791	.45941	.11918	145.8	.11550
#1	.20793	156.95	.19341	.0214	.19581
#2	.20907	157.98	.19309	-.0003	.19614

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19447	.19459	10.454	12.956	.20585
Stddev	.00019	.00013	.014	.019	.00058
%RSD	.09712	.06765	.13561	.14621	.28040
#1	.19461	.19468	10.444	12.943	.20544
#2	.19434	.19449	10.464	12.969	.20626

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-4-E MS Acquired: 11/18/2021 22:59:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	57.349	.23064	.20201	151.26	.19864
Stddev	.553	.00162	.00065	.25	.00016
%RSD	.96419	.70161	.32073	.16809	.07936
#1	57.740	.23179	.20247	151.08	.19853
#2	56.958	.22950	.20155	151.44	.19876

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19537	47.33	.20072	.18575
Stddev	-----	.00043	.07	.00063	.00342
%RSD	-----	.22197	.1474	.31424	1.8411
#1	z 195.6	.19568	47.38	.20028	.18333
#2	z 193.5	.19507	47.28	.20117	.18817

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	15.008	.19113	2.5426	z *****	.20394
Stddev	.106	.00178	.0008	-----	.00016
%RSD	.70903	.92901	.03025	-----	.07852
#1	14.933	.19239	2.5420	z 96.63	.20406
#2	15.083	.18988	2.5431	z 98.57	.20383

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-4-E MS Acquired: 11/18/2021 22:59:27 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20397	.19919	.19995	z *****
Stddev	.00078	.00047	.00262	-----
%RSD	.38128	.23512	1.3095	-----

#1	.20452	.19952	.20180	z 370.3
#2	.20342	.19886	.19810	z 372.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3625.2	2608.2	68827.	3791.3
Stddev	1.0	2.1	422.	28.7
%RSD	.02777	.08126	.61286	.75795

#1	3625.9	2606.7	68529.	3811.7
#2	3624.4	2609.7	69125.	3771.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	83.829%	97.939%	92.002%	93.814%
Range				

Sample Name: 480-192275-C-4-F MSD Acquired: 11/18/2021 23:03:17 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04919	9.7673	.20433	.23764	.32936
Stddev	.00029	.0726	.00094	.00007	.00003
%RSD	.59228	.74281	.46067	.02897	.00881

#1	.04940	9.7160	.20500	.23760	.32938
#2	.04899	9.8186	.20367	.23769	.32934

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20892	157.68	.19317	.0251	.19417
Stddev	.00151	.63	.00027	.0144	.00026
%RSD	.72383	.40007	.13783	57.45	.13318

#1	.20786	157.23	.19336	.0353	.19435
#2	.20999	158.13	.19298	.0149	.19399

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19387	.19440	10.380	12.944	.20425
Stddev	.00007	.00032	.054	.082	.00018
%RSD	.03356	.16617	.51890	.63448	.08935

#1	.19391	.19418	10.342	12.886	.20412
#2	.19382	.19463	10.418	13.002	.20438

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-4-F MSD Acquired: 11/18/2021 23:03:17 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	56.833	.22830	.20227	153.87	.19683
Stddev	.012	.00014	.00014	.59	.00029
%RSD	.02153	.06238	.07149	.38321	.14946
#1	56.841	.22820	.20238	153.46	.19704
#2	56.824	.22840	.20217	154.29	.19662

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19448	47.57	.20144	.18324
Stddev	-----	.00198	.01	.00040	.00176
%RSD	-----	1.0188	.0241	.19715	.96118
#1	z 190.4	.19588	47.58	.20116	.18448
#2	z 190.5	.19308	47.56	.20172	.18199

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	14.924	.18901	2.5777	z *****	.20233
Stddev	.033	.00034	.0134	-----	.00046
%RSD	.22406	.17923	.52155	-----	.22891
#1	14.901	.18877	2.5682	z 94.77	.20200
#2	14.948	.18925	2.5872	z 96.18	.20266

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-4-F MSD Acquired: 11/18/2021 23:03:17 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20266	.19837	.19427	z *****
Stddev	.00024	.00042	.00050	-----
%RSD	.12026	.21292	.25603	-----

#1	.20283	.19808	.19462	z 356.5
#2	.20249	.19867	.19391	z 356.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3639.4	2605.1	69241.	3825.7
Stddev	2.0	3.3	108.	4.3
%RSD	.05626	.12583	.15651	.11170

#1	3638.0	2602.7	69318.	3828.7
#2	3640.9	2607.4	69164.	3822.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	84.159%	97.820%	92.555%	94.664%
Range				

Sample Name: 480-192275-C-5-B Acquired: 11/18/2021 23:07:06 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	-0.00179	-0.00302	.04259	.08633
Stddev	.00048	.00665	.00154	.00014	.00013
%RSD	389.70	370.84	51.095	.32182	.14668
#1	-0.00047	.00291	-0.00411	.04269	.08642
#2	.00022	-0.00650	-0.00193	.04250	.08624

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	115.54	.00019	.0221	.00034
Stddev	.00006	.41	.00012	.0170	.00010
%RSD	67.762	.35618	59.424	77.26	30.283
#1	-0.00005	115.83	.00011	.0341	.00027
#2	-0.00013	115.25	.00028	.0100	.00041

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	.00037	.77361	2.5161	.00469
Stddev	.00044	.00060	.00432	.0079	.00010
%RSD	976.91	161.78	.55844	.31566	2.1310
#1	-0.00036	.00079	.77056	2.5105	.00477
#2	.00027	-0.00005	.77667	2.5218	.00462

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192275-C-5-B Acquired: 11/18/2021 23:07:06 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	42.072	.09062	-.00121	67.538	.00113
Stddev	.168	.00034	.00004	.102	.00007
%RSD	.40040	.37185	3.3071	.15106	6.4865
#1	41.953	.09038	-.00124	67.610	.00108
#2	42.191	.09086	-.00119	67.466	.00119

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00051	24.65	-.00378	-.00321
Stddev	-----	.00042	.06	.00014	.00147
%RSD	-----	82.280	.2629	3.8336	45.808
#1	z 170.0	-.00080	24.60	-.00367	-.00425
#2	z 170.3	-.00021	24.69	-.00388	-.00217

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.6612	-.00033	.39715	z *****	.00111
Stddev	.0003	.00072	.00064	-----	.00021
%RSD	.00487	219.95	.15998	-----	18.973
#1	5.6614	.00018	.39760	z 94.91	.00126
#2	5.6610	-.00084	.39671	z 94.75	.00096

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-5-B Acquired: 11/18/2021 23:07:06 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00101	-.00034	.00358	z *****
Stddev	.00181	.00025	.00008	-----
%RSD	179.57	73.614	2.2802	-----

#1	.00229	-.00016	.00364	z 330.7
#2	-.00027	-.00052	.00352	z 328.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3798.7	2628.5	70030.	3815.6
Stddev	7.7	1.6	375.	24.6
%RSD	.20356	.06035	.53507	.64565

#1	3793.3	2627.4	70295.	3798.2
#2	3804.2	2629.7	69765.	3833.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.843%	98.702%	93.609%	94.415%
Range				

Sample Name: 480-192275-C-6-B Acquired: 11/18/2021 23:10:54 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00003	.02542	-0.00086	.05006	.06046
Stddev	.00003	.00769	.00048	.00024	.00015
%RSD	94.097	30.249	55.012	.47499	.24454
#1	-0.00001	.01998	-0.00120	.04989	.06035
#2	-0.00004	.03086	-0.00053	.05023	.06056

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	194.07	.00022	.0101	.00041
Stddev	.00002	.37	.00007	.0087	.00005
%RSD	15.193	.19162	31.470	86.36	12.410
#1	-0.00011	193.81	.00026	.0039	.00045
#2	-0.00013	194.33	.00017	.0163	.00038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	.00081	.78574	2.6809	.00675
Stddev	.00009	.00025	.00004	.0046	.00013
%RSD	165.36	30.357	.00571	.17152	1.9826
#1	.00001	.00064	.78571	2.6777	.00666
#2	-0.00012	.00099	.78578	2.6842	.00685

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-6-B Acquired: 11/18/2021 23:10:54 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	50.633	.05217	-.00232	81.717	.00049
Stddev	.092	.00005	.00025	.025	.00034
%RSD	.18128	.10405	10.744	.03074	70.555
#1	50.698	.05221	-.00249	81.735	.00073
#2	50.568	.05213	-.00214	81.699	.00024

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00019	F 98.35	-.00253	-.00408
Stddev	-----	.00095	.24	.00085	.00155
%RSD	-----	495.60	.2456	33.654	37.869
#1	z 180.2	-.00086	98.18	-.00193	-.00299
#2	z 181.2	.00048	98.52	-.00313	-.00518

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
High Limit **90.00**
Low Limit **-.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.1974	-.00153	1.2349	z *****	.00242
Stddev	.0322	.00019	.0024	-----	.00021
%RSD	.61993	12.695	.19236	-----	8.8695
#1	5.2202	-.00167	1.2332	z 96.45	.00227
#2	5.1746	-.00139	1.2365	z 95.18	.00257

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192275-C-6-B Acquired: 11/18/2021 23:10:54 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00010	-.00013	.01688	z *****
Stddev	.00028	.00006	.00031	-----
%RSD	289.74	45.219	1.8646	-----

#1	-.00010	-.00017	.01710	z 330.0
#2	.00029	-.00009	.01666	z 329.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3707.2	2576.3	68569.	3796.3
Stddev	1.3	4.8	33.	3.3
%RSD	.03399	.18621	.04864	.08673

#1	3708.1	2579.7	68593.	3798.6
#2	3706.3	2572.9	68545.	3794.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.727%	96.741%	91.656%	93.937%
Range				

Sample Name: CCV-6774594 Acquired: 11/18/2021 23:14:41 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96084	47.598	.95920	.93941	.93493	.98479	49.735	.92860
Stddev	.00532	.050	.00174	.00039	.00191	.00057	.022	.00025
%RSD	.55361	.10555	.18148	.04109	.20462	.05798	.04389	.02718
#1	.95708	47.633	.95797	.93913	.93358	.98439	49.750	.92877
#2	.96460	47.562	.96043	.93968	.93628	.98520	49.719	.92842

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.002	.96724	.97452	.95380	51.008	48.471	.94184	49.493
Stddev	.032	.00035	.00529	.00436	.424	.081	.00264	.361
%RSD	3.160	.03639	.54321	.45750	.83196	.16758	.27990	.72850
#1	.9794	.96699	.97077	.95071	51.308	48.413	.93997	49.238
#2	1.024	.96749	.97826	.95688	50.708	48.528	.94370	49.748

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0094	.97109	46.935	.99166	z *****	.96528	22.67	.92319
Stddev	.0073	.00284	.027	.00161	----	.00042	.07	.00149
%RSD	.72775	.29194	.05840	.16270	----	.04392	.2958	.16169
#1	1.0042	.96908	46.916	.99280	z 11060.	.96498	22.71	.92424
#2	1.0146	.97309	46.954	.99052	z 11040.	.96558	22.62	.92213

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/18/2021 23:14:41 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93997	9.7022	.96569	.95052	z *****	.98528	1.0054	.97952
Stddev	.00119	.0784	.00106	.00012	----	.00613	.0010	.00478
%RSD	.12674	.80801	.10944	.01249	----	.62211	.09811	.48769
#1	.94081	9.6468	.96644	.95043	z 243.2	.98095	1.0061	.97614
#2	.93913	9.7577	.96495	.95060	z 241.6	.98962	1.0047	.98289

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0012	z *****
Stddev	.0091	----
%RSD	.91125	----
#1	.99474	z 2695.
#2	1.0076	z 2727.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3790.3	2732.7	71503.	3852.9
Stddev	1.2	2.0	308.	5.6
%RSD	.03046	.07348	.43116	.14571
#1	3789.5	2731.3	71721.	3849.0
#2	3791.1	2734.2	71285.	3856.9

Sample Name: CCB-6785149 Acquired: 11/18/2021 23:18:16 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00876	.00072	-.00080	.00010	-.00015	.00347	.00006
Stddev	.00000	.01723	.00095	.00028	.00000	.00003	.00072	.00006
%RSD	24.899	196.74	130.96	35.380	2.6136	20.630	20.831	101.93
#1	-.00002	.02094	.00139	-.00060	.00010	-.00013	.00296	.00002
#2	-.00001	-.00343	.00005	-.00100	.00010	-.00017	.00398	.00010

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0056	.00005	.00013	-.00005	.00688	.03527	.00098	.00057
Stddev	.0226	.00002	.00012	.00038	.00340	.01333	.00108	.00019
%RSD	403.4	45.373	90.366	828.86	49.494	37.807	111.09	33.514
#1	.0104	.00003	.00022	.00022	.00929	.04469	.00021	.00070
#2	-.0216	.00006	.00005	-.00032	.00447	.02584	.00174	.00043

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00003	.00276	.02465	-.00031	z *****	-.00053	.0058	-.00051
Stddev	.00001	.00077	.00147	.00008	----	.00018	.0030	.00045
%RSD	27.741	27.717	5.9811	25.832	----	33.649	52.52	89.027
#1	.00003	.00331	.02361	-.00037	z 140.9	-.00041	.0079	-.00082
#2	.00004	.00222	.02569	-.00025	z 139.5	-.00066	.0036	-.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/18/2021 23:18:16 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00192	-.01510	.00006	-.00000	z *****	.00032	.00010	-.00012
Stddev	.00061	.01883	.00007	.00002	----	.00025	.00011	.00007
%RSD	31.869	124.64	115.39	5861.1	----	77.179	114.98	62.272
#1	.00236	-.02841	.00011	-.00002	z 88.35	.00015	.00002	-.00017
#2	.00149	-.00179	.00001	.00001	z 89.85	.00049	.00018	-.00007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00078	z *****
Stddev	.00003	----
%RSD	3.6066	----
#1	-.00080	z 335.7
#2	-.00076	z 330.1

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4416.5	2843.0	76161.	3892.4
Stddev	4.1	2.9	322.	10.6
%RSD	.09260	.10247	.42287	.27324
#1	4413.6	2840.9	75934.	3900.0
#2	4419.4	2845.0	76389.	3884.9

Sample Name: CCVL-6768474 Acquired: 11/18/2021 23:22:07 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00609	.18013	.01274	.01667	.00202	.00188	.50371	.00179
Stddev	.00005	.00658	.00117	.00007	.00001	.00002	.00331	.00011
%RSD	.80520	3.6509	9.1830	.44808	.38607	1.0323	.65660	6.2331
#1	.00613	.18478	.01191	.01662	.00203	.00189	.50138	.00187
#2	.00606	.17548	.01356	.01672	.00202	.00186	.50605	.00172

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115	.00369	.00404	.00930	.05029	.48413	.02735	.18932
Stddev	.0133	.00006	.00006	.00002	.00162	.02004	.00005	.00001
%RSD	115.5	1.5473	1.5084	.17720	3.2194	4.1394	.19514	.00605
#1	.0209	.00373	.00408	.00931	.05143	.46996	.02731	.18933
#2	.0021	.00365	.00400	.00929	.04914	.49830	.02739	.18931

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00333	.00775	.96374	.00912	z *****	.00903	.1648	.01809
Stddev	.00002	.00013	.00857	.00003	----	.00079	.0010	.00050
%RSD	.72044	1.7123	.88906	.27557	----	8.7279	.6348	2.7756
#1	.00335	.00765	.95769	.00914	z 141.6	.00847	.1656	.01773
#2	.00331	.00784	.96980	.00910	z 140.4	.00959	.1641	.01844

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/18/2021 23:22:07 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02059	.43903	.00866	.00476	z *****	.00463	.01801	.00459
Stddev	.00203	.01355	.00002	.00003	----	.00021	.00131	.00003
%RSD	9.8817	3.0854	.26215	.55704	----	4.4627	7.2571	.73881
#1	.02203	.42945	.00868	.00474	z 91.10	.00448	.01893	.00457
#2	.01915	.44861	.00865	.00478	z 90.55	.00477	.01708	.00462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00962	z *****
Stddev	.00036	----
%RSD	3.7842	----
#1	.00988	z 339.1
#2	.00936	z 339.6

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4379.5	2832.6	75278.	3766.6
Stddev	1.0	3.2	184.	12.3
%RSD	.02181	.11222	.24460	.32643
#1	4378.9	2834.8	75148.	3758.0
#2	4380.2	2830.3	75408.	3775.3

Sample Name: 480-192381-C-1-B Acquired: 11/18/2021 23:25:57 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.37242	-.00332	.19476	.08608
Stddev	.00055	.01465	.00043	.00087	.00009
%RSD	370.10	3.9332	13.038	.44921	.10771

#1	.00054	.36206	-.00301	.19414	.08601
#2	-.00024	.38278	-.00362	.19538	.08614

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	112.88	.00023	-.0033	.00031
Stddev	.00005	.13	.00010	.0328	.00007
%RSD	34.382	.11591	43.255	987.2	23.175

#1	-.00017	112.78	.00016	.0199	.00026
#2	-.00011	112.97	.00030	-.0265	.00036

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00330	.00390	7.9681	4.9478	.03981
Stddev	.00029	.00013	.0130	.0314	.00082
%RSD	8.7946	3.2512	.16249	.63540	2.0665

#1	.00309	.00381	7.9773	4.9701	.04039
#2	.00350	.00399	7.9590	4.9256	.03923

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192381-C-1-B Acquired: 11/18/2021 23:25:57 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	44.508	.07375	-.00209	42.975	.00246
Stddev	.082	.00022	.00020	.082	.00012
%RSD	.18381	.29730	9.3822	.19132	5.0364
#1	44.450	.07360	-.00223	43.033	.00238
#2	44.566	.07391	-.00195	42.917	.00255

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00065	63.99	.00033	-.00659
Stddev	-----	.00112	.12	.00022	.00025
%RSD	-----	172.05	.1948	66.808	3.8464
#1	z 184.7	-.00014	63.90	.00049	-.00677
#2	z 183.8	.00145	64.08	.00017	-.00641

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.6753	-.00083	F 23.820	z *****	.01495
Stddev	.0038	.00007	.000	-----	.00607
%RSD	.08047	8.3984	.00099	-----	40.613
#1	4.6780	-.00088	23.820	z 97.58	.01066
#2	4.6726	-.00079	23.821	z 96.37	.01925

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **None** **Chk Pass**
High Limit **9.0000**
Low Limit **-.00500**

Sample Name: 480-192381-C-1-B Acquired: 11/18/2021 23:25:57 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00203	.00068	.01065	z *****
Stddev	.00054	.00046	.00053	-----
%RSD	26.411	68.182	5.0075	-----

#1	.00241	.00101	.01103	z 332.7
#2	.00165	.00035	.01028	z 336.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3813.4	2611.8	70291.	3774.3
Stddev	1.7	5.2	238.	5.6
%RSD	.04385	.19867	.33821	.14714

#1	3812.2	2608.1	70123.	3778.3
#2	3814.6	2615.5	70459.	3770.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.183%	98.074%	93.959%	93.394%
Range				

Sample Name: 480-192381-E-2-B Acquired: 11/18/2021 23:29:48 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	.60956	-0.00083	.31228	.11298
Stddev	.00050	.01642	.00185	.00146	.00037
%RSD	489.88	2.6940	224.19	.46613	.32609
#1	.00025	.59795	.00048	.31331	.11324
#2	-.00045	.62117	-.00213	.31125	.11272

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	171.06	.00022	-.0252	.00036
Stddev	.00003	.12	.00003	.0026	.00013
%RSD	37.722	.07082	14.550	10.33	36.532
#1	-.00011	170.98	.00020	-.0233	.00045
#2	-.00007	171.15	.00024	-.0270	.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00362	.00361	1.4851	6.0867	.01788
Stddev	.00005	.00029	.0092	.0034	.00136
%RSD	1.5117	8.1110	.61790	.05562	7.6021
#1	.00358	.00381	1.4915	6.0891	.01884
#2	.00365	.00340	1.4786	6.0843	.01691

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-E-2-B Acquired: 11/18/2021 23:29:48 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	20.254	.24085	-.00161	101.81	.00461
Stddev	.030	.00015	.00004	.62	.00006
%RSD	.14813	.06082	2.2361	.60759	1.2655
#1	20.233	.24096	-.00158	101.37	.00465
#2	20.275	.24075	-.00163	102.25	.00457

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00468	36.13	-.00180	-.00664
Stddev	-----	.00145	.13	.00010	.00062
%RSD	-----	31.065	.3612	5.2780	9.2775
#1	z 200.6	.00571	36.22	-.00187	-.00620
#2	z 201.1	.00365	36.04	-.00174	-.00707

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.6850	-.00074	.73182	z *****	.02478
Stddev	.0030	.00014	.00145	-----	.00065
%RSD	.06408	19.147	.19771	-----	2.6134
#1	4.6828	-.00083	.73284	z 91.80	.02524
#2	4.6871	-.00064	.73080	z 88.39	.02432

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-E-2-B Acquired: 11/18/2021 23:29:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00007	.00163	.04363	z *****
Stddev	.00010	.00008	.00043	-----
%RSD	134.94	5.1701	.98220	-----

#1	.00014	.00169	.04332	z 325.3
#2	.00000	.00157	.04393	z 325.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3734.2	2596.4	69815.	3938.6
Stddev	2.6	7.8	139.	24.5
%RSD	.06913	.29875	.19898	.62141

#1	3732.3	2590.9	69913.	3955.9
#2	3736.0	2601.9	69716.	3921.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.350%	97.495%	93.322%	97.459%
Range				

Sample Name: 480-192381-C-4-B Acquired: 11/18/2021 23:33:33 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	.09971	-0.00074	.11390	.05364
Stddev	.00024	.01006	.00064	.00058	.00002
%RSD	270.63	10.084	86.210	.50913	.03837
#1	.00008	.10682	-.00120	.11431	.05366
#2	-.00026	.09260	-.00029	.11349	.05363

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00013	69.212	.00013	.0019	.00016
Stddev	.00001	.410	.00000	.0105	.00001
%RSD	8.3239	.59233	1.2560	567.3	8.4943
#1	-.00012	69.502	.00013	.0093	.00015
#2	-.00014	68.923	.00012	-.0056	.00017

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00116	10.428	5.2265	.05682
Stddev	.00003	.00011	.057	.0694	.00115
%RSD	12.324	9.2653	.54288	1.3281	2.0239
#1	.00029	.00108	10.468	5.2756	.05601
#2	.00025	.00124	10.388	5.1774	.05764

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-4-B Acquired: 11/18/2021 23:33:33 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	22.948	.26244	-.00047	52.059	.00223
Stddev	.124	.00095	.00027	.222	.00036
%RSD	.54045	.36018	56.652	.42581	15.956
#1	22.860	.26177	-.00028	52.216	.00248
#2	23.035	.26311	-.00066	51.902	.00198

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00118	21.73	-.00306	-.00506
Stddev	-----	.00018	.10	.00080	.00199
%RSD	-----	14.867	.4370	25.962	39.320
#1	z 168.1	.00106	21.80	-.00250	-.00647
#2	z 168.9	.00131	21.66	-.00363	-.00366

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.99735	-.00018	1.2120	z *****	.00619
Stddev	.01707	.00081	.0054	-----	.00016
%RSD	1.7119	440.36	.44186	-----	2.6402
#1	.98528	-.00075	1.2158	z 91.89	.00630
#2	1.0094	.00039	1.2083	z 89.98	.00607

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-4-B Acquired: 11/18/2021 23:33:33 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0022	-0.0001	.01218	z *****
Stddev	.00075	.00031	.00052	-----
%RSD	341.07	6075.5	4.2865	-----

#1	-0.00075	-0.00022	.01181	z 325.6
#2	.00031	.00021	.01255	z 323.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3876.6	2675.3	71883.	3953.4
Stddev	5.0	6.7	493.	28.6
%RSD	.12795	.25019	.68551	.72468

#1	3873.1	2670.6	72232.	3933.1
#2	3880.1	2680.0	71535.	3973.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.643%	100.46%	96.086%	97.824%
Range				

Sample Name: 480-192381-C-5-B Acquired: 11/18/2021 23:37:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00007	.20057	-0.00256	.36682	.05375
Stddev	.00024	.00549	.00088	.00105	.00010
%RSD	347.78	2.7393	34.496	.28538	.17877
#1	-0.00024	.19668	-0.00194	.36757	.05368
#2	.00010	.20445	-0.00319	.36608	.05381

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	159.79	.00004	.0176	.00014
Stddev	.00003	.25	.00003	.0241	.00009
%RSD	27.167	.15347	81.604	136.9	60.816
#1	-0.00008	159.96	.00002	.0006	.00021
#2	-0.00012	159.61	.00006	.0346	.00008

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00524	.00219	.85001	7.0469	.01285
Stddev	.00026	.00029	.00885	.0052	.00230
%RSD	5.0147	13.419	1.0413	.07344	17.923
#1	.00505	.00240	.85627	7.0506	.01448
#2	.00542	.00198	.84375	7.0433	.01122

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-5-B Acquired: 11/18/2021 23:37:20 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	21.900	.12820	-.00197	116.75	.00619
Stddev	.065	.00043	.00034	.04	.00016
%RSD	.29715	.33634	17.184	.03157	2.6047
#1	21.946	.12850	-.00221	116.73	.00607
#2	21.854	.12789	-.00173	116.78	.00630

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00202	40.42	-.00358	-.00834
Stddev	-----	.00000	.09	.00009	.00251
%RSD	-----	.17247	.2192	2.5546	30.156
#1	z 175.1	.00202	40.48	-.00352	-.00656
#2	z 176.0	.00202	40.35	-.00365	-.01011

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.0659	.00016	.74072	z *****	.00661
Stddev	.0171	.00001	.00049	-----	.00041
%RSD	.55838	6.2902	.06549	-----	6.1897
#1	3.0538	.00015	.74038	z 93.55	.00690
#2	3.0780	.00016	.74106	z 91.20	.00632

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-5-B Acquired: 11/18/2021 23:37:20 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00023	.00052	.00362	z *****
Stddev	.00112	.00035	.00022	-----
%RSD	483.63	67.211	6.1972	-----

#1	-0.00056	.00027	.00347	z 327.2
#2	.00103	.00076	.00378	z 329.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3723.7	2602.6	68865.	3781.7
Stddev	5.3	4.7	178.	1.6
%RSD	.14285	.17932	.25884	.04179

#1	3720.0	2599.3	68739.	3780.6
#2	3727.5	2605.9	68991.	3782.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.109%	97.729%	92.053%	93.576%
Range				

Sample Name: 480-192381-C-6-B Acquired: 11/18/2021 23:41:06 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00037	4.7053	.00264	.15873	.06986
Stddev	.00053	.0019	.00167	.00103	.00007
%RSD	142.92	.03986	63.290	.64999	.09681
#1	-0.00000	4.7066	.00146	.15800	.06991
#2	.00074	4.7039	.00382	.15946	.06981

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	101.28	.00158	.0077	.00330
Stddev	.00004	.15	.00009	.0023	.00004
%RSD	23.059	.14984	5.8749	30.19	1.2815
#1	.00014	101.17	.00152	.0093	.00327
#2	.00019	101.38	.00165	.0060	.00333

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01513	.03877	4.9417	5.6994	.00958
Stddev	.00012	.00065	.0090	.0128	.00001
%RSD	.77020	1.6744	.18165	.22399	.14845
#1	.01504	.03923	4.9480	5.6904	.00956
#2	.01521	.03831	4.9353	5.7085	.00959

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-6-B Acquired: 11/18/2021 23:41:06 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	15.325	.14167	-.00099	69.598	.00978
Stddev	.020	.00016	.00003	.068	.00007
%RSD	.13327	.11565	3.1942	.09725	.66662
#1	15.339	.14155	-.00097	69.646	.00982
#2	15.310	.14178	-.00101	69.550	.00973

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.03679	28.34	-.00214	-.00350
Stddev	-----	.00019	.12	.00267	.00060
%RSD	-----	.52128	.4275	124.98	17.141
#1	z 250.1	.03692	28.25	-.00402	-.00392
#2	z 249.6	.03665	28.42	-.00025	-.00307

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	11.984	.00142	.31121	z *****	.08438
Stddev	.068	.00034	.00015	-----	.00019
%RSD	.56536	24.028	.04755	-----	.22461
#1	11.936	.00166	.31131	z 92.57	.08425
#2	12.032	.00118	.31110	z 92.04	.08452

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-6-B Acquired: 11/18/2021 23:41:06 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00065	.01039	.07939	z *****
Stddev	.00049	.00019	.00004	-----
%RSD	75.743	1.8116	.04486	-----

#1	.00030	.01053	.07937	z 336.6
#2	.00100	.01026	.07942	z 338.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3828.0	2673.0	71103.	3828.6
Stddev	11.9	3.6	366.	12.3
%RSD	.31182	.13341	.51412	.32169

#1	3819.5	2670.4	70845.	3837.3
#2	3836.4	2675.5	71362.	3819.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.519%	100.37%	95.044%	94.736%
Range				

Sample Name: 480-192381-C-7-B Acquired: 11/18/2021 23:44:51 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.11728	-.00313	.20568	.12680
Stddev	.00014	.01599	.00112	.00055	.00033
%RSD	201.94	13.638	35.619	.26977	.25688
#1	.00017	.12859	-.00234	.20529	.12657
#2	-.00003	.10597	-.00392	.20607	.12703

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	112.73	.00016	.0218	.00036
Stddev	.00001	.40	.00013	.0184	.00020
%RSD	6.5576	.35362	80.103	84.26	54.807
#1	-.00012	112.45	.00025	.0348	.00050
#2	-.00013	113.01	.00007	.0088	.00022

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00409	.00239	9.3462	4.4142	.03888
Stddev	.00007	.00010	.0665	.0087	.00065
%RSD	1.6277	4.1553	.71163	.19615	1.6636
#1	.00404	.00232	9.2992	4.4080	.03842
#2	.00414	.00246	9.3933	4.4203	.03934

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192381-C-7-B Acquired: 11/18/2021 23:44:51 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	44.812	.04326	-.00327	39.477	.00403
Stddev	.101	.00020	.00020	.283	.00034
%RSD	.22586	.45765	6.0570	.71657	8.5087
#1	44.740	.04312	-.00341	39.277	.00379
#2	44.883	.04340	-.00313	39.677	.00428

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00012	38.71	-.00281	-.00352
Stddev	-----	.00065	.02	.00092	.00281
%RSD	-----	528.26	.0406	32.730	79.865
#1	z 184.0	.00034	38.70	-.00346	-.00550
#2	z 181.4	-.00058	38.72	-.00216	-.00153

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.0922	-.00019	F 19.808	z *****	.00337
Stddev	.0148	.00023	.206	-----	.00051
%RSD	.47947	124.68	1.0412	-----	15.075
#1	3.0817	-.00035	19.662	z 94.40	.00373
#2	3.1027	-.00002	19.954	z 93.60	.00301

Check ? **Chk Pass** **Chk Pass** **Chk Fail** **None** **Chk Pass**
High Limit **9.0000**
Low Limit **-.00500**

Sample Name: 480-192381-C-7-B Acquired: 11/18/2021 23:44:51 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00025	.00007	.10184	z *****
Stddev	.00214	.00021	.00058	-----
%RSD	856.80	289.07	.56539	-----

#1	-0.00126	-0.00007	.10143	z 329.1
#2	.00176	.00022	.10225	z 322.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3810.2	2619.1	70798.	3900.4
Stddev	.8	1.0	48.	24.8
%RSD	.02217	.03668	.06835	.63625

#1	3810.8	2619.7	70764.	3917.9
#2	3809.6	2618.4	70833.	3882.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.108%	98.347%	94.637%	96.513%
Range				

Sample Name: 480-192237-A-1-A Acquired: 11/18/2021 23:48:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.33705	-.00351	.08153	.07299
Stddev	.00013	.03387	.00144	.00017	.00007
%RSD	137.72	10.048	41.066	.20625	.09271
#1	.00019	.31310	-.00453	.08142	.07294
#2	.00000	.36100	-.00249	.08165	.07303

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	8.0517	.00024	.0253	.02122
Stddev	.00012	.0034	.00001	.0106	.00011
%RSD	61.066	.04250	2.5928	41.74	.52056
#1	.00011	8.0493	.00024	.0178	.02130
#2	.00028	8.0541	.00023	.0328	.02114

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00168	.01449	59.451	.69315	6.1805
Stddev	.00015	.00000	.476	.01328	.0019
%RSD	8.8829	.02385	.79987	1.9154	.02998
#1	.00178	.01449	59.114	.68376	6.1791
#2	.00157	.01449	59.787	.70253	6.1818

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192237-A-1-A Acquired: 11/18/2021 23:48:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.4138	2.4511	-0.00355	10.764	4.7254
Stddev	.0066	.0033	.00007	.021	.0042
%RSD	.27422	.13384	1.8831	.19264	.08925
#1	2.4091	2.4488	-0.00350	10.749	4.7284
#2	2.4185	2.4535	-0.00359	10.778	4.7224

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00060	.2068	.00209	-0.00199
Stddev	-----	.00091	.0061	.00057	.00165
%RSD	-----	152.14	2.948	27.472	82.740
#1	z 42680.	-.00005	.2111	.00250	-.00316
#2	z 42460.	.00124	.2025	.00169	-.00083

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	8.4841	.14209	.02425	z *****	.00071
Stddev	.9205	.00026	.00001	-----	.00019
%RSD	10.850	.18493	.04048	-----	26.157
#1	7.8332	.14227	.02425	z 98.60	.00058
#2	9.1351	.14190	.02426	z 97.90	.00084

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192237-A-1-A Acquired: 11/18/2021 23:48:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00123	-0.00038	.08869	z *****
Stddev	.00125	.00003	.00132	-----
%RSD	101.25	7.9759	1.4861	-----

#1	-0.00035	-0.00041	.08962	z 912.1
#2	-0.00211	-0.00036	.08775	z 794.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4079.6	2762.7	73965.	3884.6
Stddev	5.1	6.2	64.	6.1
%RSD	.12479	.22500	.08669	.15583

#1	4083.2	2767.1	74011.	3880.3
#2	4076.0	2758.3	73920.	3888.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.339%	103.74%	98.870%	96.123%
Range				

Sample Name: 480-192290-C-1-B Acquired: 11/18/2021 23:52:26 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00121	.02956	.13705	F 22.527	.11074
Stddev	.00005	.00996	.00259	.034	.00027
%RSD	4.2332	33.694	1.8909	.15000	.24303
#1	.00118	.03661	.13888	22.503	.11093
#2	.00125	.02252	.13521	22.551	.11054

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
High Limit 18.000
Low Limit -0.02000

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00022	43.251	.00019	-0.0105	.02988
Stddev	.00005	.134	.00009	.0200	.00008
%RSD	20.998	.31024	49.934	190.7	.27163
#1	-0.00025	43.156	.00025	.0036	.02993
#2	-0.00019	43.346	.00012	-0.0246	.02982

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19955	.00156	2.5100	F 570.46	.44402
Stddev	.00062	.00034	.0075	1.55	.00191
%RSD	.31064	21.660	.29679	.27132	.43007
#1	.19911	.00132	2.5048	571.56	.44537
#2	.19999	.00179	2.5153	569.37	.44267

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass
High Limit 540.00
Low Limit -0.50000

Sample Name: 480-192290-C-1-B Acquired: 11/18/2021 23:52:26 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	86.196	1.6210	.01100	F 3202.2	.16039
Stddev	.116	.0004	.00004	2.1	.00053
%RSD	.13507	.02288	.33133	.06676	.32973
#1	86.278	1.6212	.01097	3200.7	.16077
#2	86.114	1.6207	.01102	3203.7	.16002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Fail** **Chk Pass**
 High Limit **900.00**
 Low Limit **-1.0000**

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00349	48.58	.02056	-.01193
Stddev	-----	.00137	.17	.00148	.00046
%RSD	-----	39.223	.3535	7.2168	3.8238
#1	z 1172.	.00252	48.46	.02161	-.01225
#2	z 1170.	.00446	48.71	.01951	-.01160

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	30.147	.00613	.19870	z *****	.03892
Stddev	.254	.00023	.00037	-----	.00008
%RSD	.84263	3.7710	.18427	-----	.19318
#1	29.968	.00596	.19844	z 92.76	.03887
#2	30.327	.00629	.19896	z 95.35	.03897

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192290-C-1-B Acquired: 11/18/2021 23:52:26 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00145	.02640	.01294	z *****
Stddev	.00068	.00029	.00006	-----
%RSD	46.483	1.1022	.46832	-----

#1	.00193	.02619	.01299	z 1074.
#2	.00098	.02660	.01290	z 1073.

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2864.5	2263.5	56730.	3603.5
Stddev	1.2	2.3	151.	10.4
%RSD	.04044	.10309	.26669	.28986

#1	2865.4	2265.2	56623.	3610.9
#2	2863.7	2261.9	56837.	3596.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	66.241%	84.996%	75.831%	89.168%
Range				

Sample Name: MB 480-605468/1-A Acquired: 11/18/2021 23:56:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.01878	-.00190	.01334	.00003
Stddev	.00014	.00904	.00062	.00152	.00001
%RSD	573.86	48.136	32.596	11.371	40.861
#1	.00012	.02517	-.00233	.01442	.00002
#2	-.00007	.01239	-.00146	.01227	.00004

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.03437	-.00006	.0010	.00004
Stddev	.00000	.00019	.00000	.0088	.00013
%RSD	.30758	.55186	2.5457	852.7	304.26
#1	-.00015	.03423	-.00006	-.0052	.00013
#2	-.00015	.03450	-.00006	.0073	-.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	-.00031	.00472	F .65690	.00155
Stddev	.00030	.00027	.00109	.00466	.00090
%RSD	270.82	87.918	23.115	.70968	58.062
#1	.00010	-.00012	.00395	.66020	.00218
#2	-.00033	-.00051	.00549	.65361	.00091

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Fail** **Chk Pass**
 High Limit **.50000**
 Low Limit **-.50000**

Sample Name: MB 480-605468/1-A Acquired: 11/18/2021 23:56:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00334	.00020	-.00372	.58942	-.00013
Stddev	.00422	.00002	.00010	.01703	.00019
%RSD	126.45	9.2976	2.6866	2.8892	143.68
#1	.00633	.00019	-.00379	.60146	.00000
#2	.00035	.00021	-.00365	.57738	-.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00027	.0241	-.00054	-.00197
Stddev	-----	.00017	.0009	.00034	.00182
%RSD	-----	62.430	3.653	62.528	92.001
#1	z 138.8	-.00039	.0247	-.00078	-.00326
#2	z 139.0	-.00015	.0235	-.00030	-.00069

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.23309	.00021	.00022	z *****	-.00019
Stddev	.00957	.00040	.00001	-----	.00014
%RSD	4.1047	188.79	4.7880	-----	75.950
#1	.23986	.00050	.00021	z 87.70	-.00029
#2	.22633	-.00007	.00022	z 85.95	-.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605468/1-A Acquired: 11/18/2021 23:56:14 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00026	-0.00008	-0.00070	z *****
Stddev	.00076	.00001	.00050	-----
%RSD	291.36	12.301	71.656	-----

#1	.00028	-0.00008	-0.00035	z 330.4
#2	-0.00080	-0.00007	-0.00106	z 330.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4413.3	2830.1	76682.	3910.5
Stddev	8.8	2.3	4.	27.0
%RSD	.19925	.08271	.00464	.68996

#1	4407.1	2828.4	76685.	3929.6
#2	4419.5	2831.7	76680.	3891.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.05%	106.27%	102.50%	96.764%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 0:00:05 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95649	48.290	.96031	.96026	.95247	.98618	49.551	.93887
Stddev	.00033	.129	.00026	.00036	.00366	.00437	.288	.00063
%RSD	.03413	.26801	.02657	.03788	.38472	.44339	.58188	.06713
#1	.95672	48.381	.96013	.96001	.95506	.98928	49.755	.93932
#2	.95626	48.198	.96049	.96052	.94988	.98309	49.347	.93843

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9957	.96418	.98814	.95719	50.180	48.740	.94597	49.101
Stddev	.0072	.00056	.00244	.00006	.298	.229	.00540	.000
%RSD	.7214	.05789	.24667	.00666	.59445	.47013	.57046	.00084
#1	1.001	.96458	.98642	.95723	50.390	48.902	.94979	49.100
#2	.9906	.96379	.98986	.95714	49.969	48.578	.94216	49.101

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0011	.97564	47.879	.98775	z *****	.96128	23.04	.93991
Stddev	.0012	.00329	.184	.00016	----	.00081	.04	.00018
%RSD	.11936	.33722	.38456	.01571	----	.08390	.1525	.01946
#1	1.0020	.97332	48.010	.98764	z 11170.	.96185	23.02	.93978
#2	1.0003	.97797	47.749	.98786	z 11150.	.96071	23.07	.94003

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 0:00:05 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.94748	9.7415	.96334	.96375	z *****	.98400	.99771	.98394
Stddev	.00466	.0019	.00228	.00331	----	.00126	.00369	.00030
%RSD	.49220	.01917	.23671	.34380	----	.12759	.36988	.03085
#1	.95077	9.7428	.96495	.96609	z 242.2	.98489	.99510	.98373
#2	.94418	9.7402	.96173	.96141	z 245.1	.98312	1.0003	.98416

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0008	z *****
Stddev	.0035	----
%RSD	.34893	----
#1	.99837	z 2621.
#2	1.0033	z 2647.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3812.4	2726.7	71770.	3881.2
Stddev	3.7	3.4	200.	37.9
%RSD	.09805	.12470	.27896	.97662
#1	3815.0	2729.1	71911.	3854.4
#2	3809.7	2724.3	71628.	3908.0

Sample Name: CCB-6785149 Acquired: 11/19/2021 0:03:40 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	-.00442	-.00083	.00526	.00013	-.00010	-.00058	-.00002
Stddev	.00014	.01188	.00194	.00048	.00006	.00011	.00185	.00004
%RSD	42.610	268.93	234.94	9.1648	46.876	111.37	318.85	231.31
#1	.00042	.00398	.00055	.00560	.00009	-.00018	.00073	-.00004
#2	.00022	-.01282	-.00220	.00492	.00017	-.00002	-.00189	.00001

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.00004	.00005	.00014	.00536	.14955	.00110	.00497
Stddev	.0006	.00002	.00021	.00003	.00026	.00244	.00129	.00564
%RSD	87.68	39.793	410.42	20.593	4.9436	1.6309	117.14	113.49
#1	.0010	.00003	-.00010	.00016	.00555	.14783	.00201	.00098
#2	.0002	.00005	.00020	.00012	.00517	.15128	.00019	.00896

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00023	.00254	.12766	-.00014	z *****	-.00036	-.0004	.00027
Stddev	.00027	.00094	.00267	.00002	----	.00074	.0043	.00174
%RSD	116.44	37.041	2.0920	14.117	----	206.65	1034.	638.17
#1	.00004	.00320	.12954	-.00016	z 143.9	.00016	.0026	-.00096
#2	.00042	.00187	.12577	-.00013	z 145.7	-.00088	-.0034	.00150

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 0:03:40 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00164	-.00405	-.00030	.00005	z *****	.00028	.00011	-.00007
Stddev	.00129	.00199	.00023	.00003	----	.00016	.00065	.00004
%RSD	78.813	49.131	75.316	59.025	----	57.849	599.65	53.451
#1	.00073	-.00264	-.00014	.00003	z 87.95	.00040	.00057	-.00005
#2	.00256	-.00546	-.00047	.00008	z 87.20	.00017	-.00035	-.00010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00047	z *****
Stddev	.00041	----
%RSD	87.322	----
#1	-.00076	z 330.7
#2	-.00018	z 324.9

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4396.1	2838.4	76342.	3974.6
Stddev	4.3	4.9	803.	7.9
%RSD	.09790	.17407	1.0521	.19812
#1	4393.0	2834.9	76910.	3980.2
#2	4399.1	2841.8	75774.	3969.0

Sample Name: CCVL-6768474 Acquired: 11/19/2021 0:07:30 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00571	.18038	.01154	.02161	.00203	.00186	.49948	.00180
Stddev	.00039	.01604	.00021	.00008	.00001	.00000	.00005	.00002
%RSD	6.8643	8.8905	1.8365	.39133	.47958	.15314	.00921	1.1292
#1	.00543	.16904	.01169	.02167	.00204	.00186	.49951	.00179
#2	.00599	.19172	.01139	.02155	.00203	.00185	.49944	.00182

Check ? **Chk Pass** **Chk Pass**
Value
Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0081	.00365	.00387	.00927	.05054	.56058	.02720	.18826
Stddev	.0030	.00014	.00003	.00032	.00045	.00427	.00110	.00274
%RSD	36.43	3.7031	.83287	3.4037	.89314	.76148	4.0459	1.4539
#1	.0102	.00355	.00385	.00905	.05022	.55756	.02798	.18632
#2	.0060	.00375	.00389	.00949	.05086	.56360	.02643	.19019

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
Value
Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00325	.00730	1.0162	.00916	z *****	.00918	.1663	.01774
Stddev	.00005	.00007	.0098	.00012	----	.00030	.0017	.00021
%RSD	1.5715	.93445	.96476	1.3466	----	3.3038	1.050	1.1577
#1	.00328	.00735	1.0093	.00925	z 138.5	.00939	.1675	.01760
#2	.00321	.00726	1.0231	.00908	z 138.1	.00896	.1651	.01789

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
Value
Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 0:07:30 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02092	.44215	.00928	.00480	z *****	.00457	.01894	.00485
Stddev	.00119	.01178	.00037	.00005	----	.00010	.00035	.00007
%RSD	5.6733	2.6643	4.0056	.98533	----	2.0909	1.8334	1.4519
#1	.02008	.45048	.00955	.00483	z 88.40	.00464	.01918	.00480
#2	.02176	.43382	.00902	.00477	z 89.40	.00451	.01869	.00490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00940	z *****
Stddev	.00019	----
%RSD	2.0454	----
#1	.00926	z 328.7
#2	.00953	z 328.1

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4405.8	2857.6	76811.	3943.5
Stddev	1.0	.9	319.	36.8
%RSD	.02179	.03286	.41551	.93295
#1	4405.1	2858.3	76586.	3969.5
#2	4406.5	2857.0	77037.	3917.5

Sample Name: LCS 480-605468/2-A Acquired: 11/19/2021 0:11:20 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04694	9.6792	.19531	.19320	.21224
Stddev	.00021	.0065	.00045	.00031	.00006
%RSD	.43877	.06692	.23179	.16126	.02650

#1	.04709	9.6838	.19563	.19342	.21228
#2	.04680	9.6746	.19499	.19298	.21220

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20839	9.9514	.18900	-.0016	.19090
Stddev	.00040	.0581	.00048	.0186	.00066
%RSD	.19186	.58426	.25542	1146.	.34623

#1	.20868	9.9925	.18934	-.0147	.19043
#2	.20811	9.9103	.18865	.0115	.19137

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19581	.19257	10.190	9.8706	.19311
Stddev	.00089	.00054	.015	.0131	.00068
%RSD	.45340	.28194	.15102	.13239	.35229

#1	.19644	.19296	10.201	9.8799	.19263
#2	.19519	.19219	10.179	9.8614	.19359

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: LCS 480-605468/2-A Acquired: 11/19/2021 0:11:20 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.002	.20602	.20261	9.6720	.19387
Stddev	.036	.00069	.00048	.0339	.00050
%RSD	.36270	.33422	.23453	.35055	.25964
#1	10.028	.20651	.20295	9.6960	.19352
#2	9.9768	.20553	.20228	9.6481	.19423

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19001	8.772	.19807	.18252
Stddev	-----	.00072	.018	.00067	.00041
%RSD	-----	.38037	.1999	.33824	.22564
#1	z 156.3	.19052	8.784	.19855	.18281
#2	z 158.1	.18950	8.759	.19760	.18223

Check ? **None** **Chk Pass** **None** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.1896	.18433	.20087	z *****	.19970
Stddev	.0334	.00028	.00047	-----	.00037
%RSD	.36310	.15137	.23436	-----	.18373
#1	9.2132	.18414	.20120	z 89.78	.19996
#2	9.1660	.18453	.20053	z 89.48	.19944

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605468/2-A Acquired: 11/19/2021 0:11:20 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20338	.19740	.19462	z *****
Stddev	.00133	.00050	.00049	-----
%RSD	.65226	.25512	.25226	-----

#1	.20432	.19776	.19496	z 367.1
#2	.20245	.19704	.19427	z 362.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4151.4	2791.0	75036.	3976.2
Stddev	1.4	5.6	90.	22.3
%RSD	.03277	.19941	.12053	.56018

#1	4152.4	2787.0	74972.	3960.4
#2	4150.5	2794.9	75100.	3991.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.999%	104.80%	100.30%	98.389%
Range				

Sample Name: 480-192471-C-1-A Acquired: 11/19/2021 0:14:59 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.12986	-.00191	.11424	.02967
Stddev	.00051	.01873	.00124	.00139	.00007
%RSD	66.903	14.425	65.151	1.2152	.22582
#1	.00113	.14311	-.00103	.11522	.02972
#2	.00040	.11662	-.00278	.11326	.02962

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	86.361	.00015	.0187	-.00008
Stddev	.00007	.661	.00001	.0050	.00002
%RSD	94.489	.76587	9.3788	26.83	26.183
#1	-.00012	86.829	.00014	.0151	-.00006
#2	-.00002	85.893	.00016	.0222	-.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00970	.00250	.15153	3.9002	.00335
Stddev	.00022	.00014	.00367	.0412	.00053
%RSD	2.2399	5.5007	2.4252	1.0566	15.897
#1	.00955	.00240	.15413	3.9294	.00297
#2	.00985	.00260	.14894	3.8711	.00373

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192471-C-1-A Acquired: 11/19/2021 0:14:59 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.899	.00268	-0.00031	59.595	.00070
Stddev	.004	.00000	.00031	.421	.00007
%RSD	.02935	.00936	99.587	.70564	10.109
#1	12.897	.00268	-0.00009	59.892	.00075
#2	12.902	.00268	-0.00052	59.298	.00065

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00010	15.18	-0.00171	.00143
Stddev	-----	.00167	.12	.00084	.00192
%RSD	-----	1651.6	.8100	48.868	135.06
#1	z 247.9	-0.00108	15.26	-0.00230	.00279
#2	z 254.1	.00128	15.09	-0.00112	.00006

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.6553	-0.00019	.29181	z *****	.00395
Stddev	.0414	.00004	.00128	-----	.00019
%RSD	1.1319	19.358	.44015	-----	4.8609
#1	3.6845	-0.00017	.29271	z 88.76	.00382
#2	3.6260	-0.00022	.29090	z 88.59	.00409

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192471-C-1-A Acquired: 11/19/2021 0:14:59 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00041	.00065	.00307	z *****
Stddev	.00010	.00010	.00033	-----
%RSD	23.634	15.919	10.596	-----

#1	.00034	.00058	.00284	z 321.3
#2	.00048	.00073	.00330	z 316.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3901.2	2670.7	71769.	3923.4
Stddev	6.0	9.7	291.	29.7
%RSD	.15462	.36176	.40497	.75673

#1	3905.4	2663.8	71563.	3902.4
#2	3896.9	2677.5	71974.	3944.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.212%	100.28%	95.933%	97.082%
Range				

Sample Name: 480-192480-D-1-A Acquired: 11/19/2021 0:18:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.09813	-.00090	.02085	.01520
Stddev	.00019	.00026	.00008	.00011	.00010
%RSD	92.507	.26179	8.4791	.51059	.63873
#1	.00007	.09831	-.00085	.02078	.01513
#2	.00034	.09795	-.00095	.02093	.01527

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	31.494	.00007	.0105	-.00006
Stddev	.00002	.103	.00004	.0009	.00000
%RSD	27.254	.32849	56.201	8.327	6.8635
#1	-.00010	31.421	.00010	.0099	-.00006
#2	-.00007	31.567	.00004	.0111	-.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00027	-.00001	.12359	2.7705	.00438
Stddev	.00009	.00027	.00243	.0092	.00095
%RSD	33.926	3680.4	1.9672	.33035	21.609
#1	.00033	-.00020	.12187	2.7640	.00371
#2	.00020	.00018	.12531	2.7770	.00505

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192480-D-1-A Acquired: 11/19/2021 0:18:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	9.2874	.01347	-.00344	73.779	.00064
Stddev	.0331	.00014	.00001	.140	.00002
%RSD	.35672	1.0071	.27830	.18923	2.9071
#1	9.2639	.01337	-.00343	73.878	.00066
#2	9.3108	.01357	-.00344	73.680	.00063

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00060	5.822	-.00183	-.00457
Stddev	-----	.00007	.000	.00063	.00016
%RSD	-----	11.167	.0027	34.405	3.4943
#1	z 157.2	.00064	5.822	-.00138	-.00468
#2	z 156.8	.00055	5.822	-.00227	-.00446

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	14.418	-.00082	.25466	z *****	.00630
Stddev	.018	.00053	.00001	-----	.00027
%RSD	.12719	64.767	.00284	-----	4.2387
#1	14.431	-.00119	.25466	z 85.86	.00611
#2	14.405	-.00044	.25465	z 86.70	.00649

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192480-D-1-A Acquired: 11/19/2021 0:18:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00107	.00082	.00009	z *****
Stddev	.00103	.00006	.00005	-----
%RSD	96.112	7.0707	52.006	-----

#1	.00034	.00086	.00005	z 315.5
#2	.00180	.00078	.00012	z 318.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3979.2	2710.7	73040.	3996.4
Stddev	4.6	9.2	253.	2.0
%RSD	.11465	.33789	.34630	.04889

#1	3982.4	2717.2	73219.	3995.0
#2	3976.0	2704.3	72861.	3997.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.017%	101.79%	97.633%	98.889%
Range				

Sample Name: 480-192304-C-1-A Acquired: 11/19/2021 0:22:33 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00028	.00965	.00384	.17004	.01210
Stddev	.00035	.00033	.00158	.00085	.00003
%RSD	124.45	3.4588	41.126	.50129	.28061
#1	-0.00052	.00988	.00273	.17065	.01208
#2	-0.00003	.00941	.00496	.16944	.01213

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	382.38	.00034	.0232	.00612
Stddev	.00002	2.27	.00004	.0248	.00000
%RSD	13.174	.59370	12.308	106.8	.07767
#1	-0.00011	383.98	.00031	.0057	.00612
#2	-0.00013	380.77	.00037	.0407	.00612

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00133	.00119	6.4121	8.0107	.05921
Stddev	.00008	.00000	.0045	.0090	.00073
%RSD	5.7462	.11511	.07053	.11209	1.2314
#1	.00127	.00119	6.4152	8.0171	.05973
#2	.00138	.00120	6.4089	8.0044	.05869

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192304-C-1-A Acquired: 11/19/2021 0:22:33 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	184.11	5.9606	-0.0289	40.681	.01359
Stddev	.21	.0240	.00005	.080	.00019
%RSD	.11515	.40315	1.8943	.19577	1.3864
#1	183.96	5.9436	-0.0293	40.738	.01346
#2	184.26	5.9776	-0.0285	40.625	.01372

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.00187	F 424.6	-0.00361	-0.00447
Stddev	-----	.00037	1.4	.00021	.00286
%RSD	-----	19.993	.3184	5.8847	63.930
#1	z 234.5	-0.00161	425.6	-0.00376	-0.00245
#2	z 233.1	-0.00214	423.7	-0.00346	-0.00650

Check ? **None** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
 High Limit **90.00**
 Low Limit **-0.2000**

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.5872	-0.00112	2.8277	z *****	.00030
Stddev	.0133	.00013	.0054	-----	.00022
%RSD	.29041	11.157	.19224	-----	71.532
#1	4.5966	-0.00121	2.8316	z 109.1	.00046
#2	4.5777	-0.00103	2.8239	z 109.0	.00015

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192304-C-1-A Acquired: 11/19/2021 0:22:33 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00124	-.00084	.00065	z *****
Stddev	.00125	.00009	.00044	-----
%RSD	100.59	10.678	67.546	-----

#1	.00212	-.00078	.00034	z 329.5
#2	.00036	-.00091	.00096	z 321.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3555.7	2504.6	67527.	3855.9
Stddev	7.1	4.6	66.	13.4
%RSD	.19861	.18209	.09834	.34808

#1	3560.7	2507.9	67480.	3846.4
#2	3550.7	2501.4	67574.	3865.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.223%	94.050%	90.264%	95.412%
Range				

Sample Name: 480-192417-D-1-A Acquired: 11/19/2021 0:26:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.01267	-.00122	.01800	.02631
Stddev	.00026	.00773	.00167	.00027	.00007
%RSD	51.024	60.959	137.47	1.5147	.27289
#1	.00068	.00721	-.00003	.01819	.02626
#2	.00032	.01814	-.00240	.01781	.02636

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	102.08	.00024	.0352	.00246
Stddev	.00006	.18	.00005	.0035	.00004
%RSD	33.693	.17941	19.112	9.973	1.5971
#1	-.00020	102.21	.00021	.0377	.00248
#2	-.00013	101.95	.00028	.0327	.00243

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00003	.00060	4.6682	4.0670	.00089
Stddev	.00015	.00078	.0037	.0090	.00112
%RSD	426.63	130.18	.08015	.22097	125.84
#1	.00007	.00115	4.6655	4.0734	.00010
#2	-.00014	.00005	4.6708	4.0607	.00168

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-1-A Acquired: 11/19/2021 0:26:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	16.265	1.1490	-0.00353	15.808	.00113
Stddev	.092	.0038	.00010	.035	.00021
%RSD	.56728	.32718	2.8654	.21921	18.132
#1	16.199	1.1464	-0.00360	15.833	.00128
#2	16.330	1.1517	-0.00346	15.784	.00099

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00025	2.755	-0.00277	-0.00542
Stddev	-----	.00069	.008	.00084	.00100
%RSD	-----	276.99	.2857	30.095	18.482
#1	z 167.0	-0.00024	2.761	-0.00218	-0.00471
#2	z 168.4	.00073	2.750	-0.00337	-0.00613

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.6621	.00039	.29842	z *****	.00089
Stddev	.0255	.00067	.00017	-----	.00002
%RSD	.45043	173.10	.05858	-----	2.3346
#1	5.6801	-0.00009	.29830	z 89.30	.00088
#2	5.6440	.00086	.29855	z 87.81	.00091

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-1-A Acquired: 11/19/2021 0:26:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00067	-.00014	.00041	z *****
Stddev	.00003	.00018	.00036	-----
%RSD	4.7314	133.25	86.731	-----

#1	.00065	-.00001	.00016	z 319.3
#2	.00070	-.00027	.00067	z 315.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3954.3	2710.6	72628.	3954.4
Stddev	7.6	9.5	75.	16.2
%RSD	.19146	.35020	.10371	.41025

#1	3959.7	2717.3	72682.	3942.9
#2	3949.0	2703.9	72575.	3965.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.442%	101.78%	97.083%	97.850%
Range				

Sample Name: 480-192417-D-2-A Acquired: 11/19/2021 0:30:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.08453	-.00292	.00471	.00593
Stddev	.00004	.01456	.00009	.00006	.00002
%RSD	12.263	17.218	3.0506	1.1754	.31075
#1	.00036	.09483	-.00286	.00467	.00591
#2	.00030	.07424	-.00299	.00475	.00594

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	6.6340	-.00003	.0223	.00001
Stddev	.00002	.0010	.00009	.0021	.00009
%RSD	14.587	.01425	268.52	9.342	1163.0
#1	-.00014	6.6346	-.00010	.0238	.00007
#2	-.00012	6.6333	.00003	.0208	-.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00036	.00030	.30879	.48515	.00073
Stddev	.00020	.00006	.00620	.04008	.00012
%RSD	54.515	21.580	2.0088	8.2607	17.049
#1	.00022	.00034	.30440	.45681	.00081
#2	.00050	.00025	.31318	.51349	.00064

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-2-A Acquired: 11/19/2021 0:30:21 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.3978	.01534	-.00382	5.5543	-.00009
Stddev	.0021	.00001	.00019	.0055	.00008
%RSD	.15244	.08857	4.9164	.09872	87.429
#1	1.3963	.01534	-.00396	5.5581	-.00003
#2	1.3994	.01533	-.00369	5.5504	-.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00045	1.142	-.00108	-.00110
Stddev	-----	.00117	.005	.00058	.00068
%RSD	-----	258.39	.4652	53.126	61.474
#1	z 152.2	-.00128	1.138	-.00149	-.00158
#2	z 149.2	.00037	1.145	-.00068	-.00062

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.9667	-.00002	.02663	z *****	.00247
Stddev	.0146	.00046	.00017	-----	.00010
%RSD	.49294	2367.0	.62915	-----	3.9493
#1	2.9564	-.00035	.02675	z 87.78	.00240
#2	2.9771	.00031	.02652	z 89.03	.00254

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192417-D-2-A Acquired: 11/19/2021 0:30:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00034	.00013	.00122	z *****
Stddev	.00109	.00057	.00024	-----
%RSD	323.24	429.70	19.736	-----

#1	.00043	.00053	.00105	z 333.3
#2	-0.00110	-0.00027	.00139	z 330.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4296.4	2797.0	74714.	3777.3
Stddev	10.1	1.5	297.	34.3
%RSD	.23529	.05489	.39729	.90818

#1	4289.2	2795.9	74505.	3801.5
#2	4303.5	2798.0	74924.	3753.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.350%	105.03%	99.871%	93.466%
Range				

Sample Name: 480-192417-D-3-A Acquired: 11/19/2021 0:34:10 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00043	.04613	-0.00270	.00858	.03405
Stddev	.00069	.01335	.00004	.00050	.00026
%RSD	162.37	28.937	1.5876	5.8442	.77636
#1	.00006	.03669	-0.00273	.00822	.03424
#2	-0.00091	.05557	-0.00267	.00893	.03386

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	37.124	.00012	-0.0065	-0.00004
Stddev	.00002	.099	.00007	.0017	.00000
%RSD	17.961	.26737	56.655	26.14	3.5232
#1	-0.00009	37.194	.00007	-0.0053	-0.00004
#2	-0.00011	37.054	.00017	-0.0077	-0.00004

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00037	-0.00027	24.485	2.3181	.00221
Stddev	.00010	.00021	.003	.0022	.00108
%RSD	28.269	76.823	.01373	.09465	49.016
#1	-0.00044	-0.00012	24.487	2.3166	.00144
#2	-0.00029	-0.00042	24.482	2.3197	.00298

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-3-A Acquired: 11/19/2021 0:34:10 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.6268	.78507	-.00373	15.036	.00013
Stddev	.0861	.00289	.00004	.005	.00010
%RSD	.99829	.36779	1.1961	.03525	76.586
#1	8.5659	.78303	-.00370	15.032	.00006
#2	8.6877	.78711	-.00376	15.039	.00020

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00036	2.136	-.00114	-.00299
Stddev	-----	.00073	.013	.00006	.00037
%RSD	-----	205.07	.6095	5.1667	12.526
#1	z 204.2	.00088	2.145	-.00119	-.00272
#2	z 203.6	-.00016	2.127	-.00110	-.00325

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.4705	-.00075	.13386	z *****	.00170
Stddev	.0126	.00018	.00074	-----	.00009
%RSD	.19499	23.809	.54967	-----	5.3320
#1	6.4616	-.00087	.13334	z 87.93	.00164
#2	6.4794	-.00062	.13438	z 87.76	.00177

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192417-D-3-A Acquired: 11/19/2021 0:34:10 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00105	.00063	-0.00012	z *****
Stddev	.00008	.00006	.00013	-----
%RSD	7.5903	9.0181	109.93	-----

#1	-0.00111	.00067	-0.00003	z 313.9
#2	-0.00100	.00059	-0.00022	z 308.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4092.7	2766.2	74534.	4051.6
Stddev	5.1	4.2	400.	2.9
%RSD	.12550	.15085	.53701	.07230

#1	4096.3	2769.1	74818.	4049.5
#2	4089.0	2763.2	74251.	4053.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.640%	103.87%	99.631%	100.25%
Range				

Sample Name: 480-192417-D-4-A Acquired: 11/19/2021 0:37:57 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00003	.03136	-0.00048	.00825	.03430
Stddev	.00027	.01245	.00057	.00015	.00000
%RSD	842.27	39.684	119.70	1.7802	.01254
#1	-0.00022	.04016	-0.00007	.00836	.03430
#2	.00016	.02256	-0.00088	.00815	.03431

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00007	37.899	.00003	.0378	-0.00007
Stddev	.00002	.286	.00007	.0057	.00011
%RSD	23.538	.75519	213.80	15.05	153.88
#1	-0.00008	37.697	.00008	.0337	-0.00015
#2	-0.00006	38.102	-0.00002	.0418	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	-0.00021	24.864	2.3372	.00232
Stddev	.00014	.00019	.251	.0027	.00047
%RSD	352.50	90.648	1.0082	.11752	20.123
#1	-0.00014	-0.00007	24.687	2.3353	.00199
#2	.00006	-0.00034	25.041	2.3391	.00264

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-4-A Acquired: 11/19/2021 0:37:57 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.7454	.79372	-.00394	14.995	.00025
Stddev	.0123	.00079	.00010	.096	.00003
%RSD	.14080	.09959	2.6070	.63863	10.488
#1	8.7541	.79316	-.00387	14.928	.00027
#2	8.7367	.79428	-.00402	15.063	.00023

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00067	2.126	-.00105	-.00347
Stddev	-----	.00083	.014	.00003	.00013
%RSD	-----	123.42	.6456	3.0582	3.7287
#1	z 204.5	-.00009	2.136	-.00103	-.00338
#2	z 202.8	-.00125	2.117	-.00107	-.00356

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.5718	-.00062	.13391	z *****	.00192
Stddev	.0645	.00013	.00075	-----	.00000
%RSD	.98202	21.708	.56192	-----	.21329
#1	6.5262	-.00052	.13338	z 91.55	.00193
#2	6.6175	-.00071	.13444	z 92.27	.00192

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192417-D-4-A Acquired: 11/19/2021 0:37:57 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00003	.00072	-0.00003	z *****
Stddev	.00066	.00014	.00022	-----
%RSD	2578.8	19.155	649.54	-----

#1	.00044	.00082	-0.00019	z 325.1
#2	-0.00049	.00063	.00012	z 331.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4083.4	2767.6	73786.	3899.5
Stddev	1.0	.6	323.	34.7
%RSD	.02352	.02320	.43791	.89020

#1	4082.8	2768.0	74015.	3924.0
#2	4084.1	2767.1	73558.	3874.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.427%	103.92%	98.631%	96.490%
Range				

Sample Name: 480-192417-D-6-A Acquired: 11/19/2021 0:41:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	.03786	-0.00325	.00795	.01115
Stddev	.00003	.00586	.00115	.00003	.00002
%RSD	17.638	15.485	35.363	.35885	.19942
#1	-0.0013	.04201	-0.00244	.00797	.01113
#2	-0.0017	.03372	-0.00407	.00793	.01116

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	38.125	.00006	.0130	.00027
Stddev	.00000	.118	.00001	.0070	.00018
%RSD	1.6331	.31037	17.927	53.61	66.701
#1	-0.0015	38.208	.00007	.0081	.00014
#2	-0.0014	38.041	.00005	.0179	.00040

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00274	.15422	.49125	.00243
Stddev	.00028	.00023	.00057	.00589	.00027
%RSD	77.994	8.3296	.36956	1.1980	11.132
#1	.00055	.00258	.15382	.48709	.00262
#2	.00016	.00290	.15462	.49541	.00223

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192417-D-6-A Acquired: 11/19/2021 0:41:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.2082	.12434	-.00387	33.073	.00024
Stddev	.0120	.00005	.00002	.058	.00020
%RSD	.16629	.04205	.63588	.17424	85.535
#1	7.2167	.12438	-.00385	33.113	.00009
#2	7.1997	.12430	-.00389	33.032	.00038

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00023	2.787	-.00174	-.00281
Stddev	-----	.00064	.012	.00126	.00113
%RSD	-----	272.31	.4264	72.272	40.290
#1	z 159.0	.00069	2.795	-.00263	-.00361
#2	z 160.2	-.00022	2.778	-.00085	-.00201

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.3722	-.00083	.17352	z *****	.00218
Stddev	.0194	.00055	.00025	-----	.00012
%RSD	.44347	66.186	.14476	-----	5.4630
#1	4.3859	-.00044	.17370	z 85.94	.00227
#2	4.3585	-.00122	.17334	z 87.66	.00210

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-A Acquired: 11/19/2021 0:41:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00005	.00032	.00227	z *****
Stddev	.00021	.00002	.00020	-----
%RSD	443.33	6.1558	8.8594	-----

#1	.00010	.00034	.00241	z 321.1
#2	-0.00020	.00031	.00213	z 319.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4059.9	2762.9	73366.	3897.5
Stddev	1.3	4.1	189.	.8
%RSD	.03223	.14864	.25735	.01925

#1	4060.8	2760.0	73500.	3896.9
#2	4059.0	2765.8	73233.	3898.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.883%	103.75%	98.069%	96.441%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 0:45:30 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.92350	9.5702	.95789	.95559	z *****	.98359	.99830	.98135
Stddev	.00036	.0066	.00183	.00019	----	.00009	.00288	.00004
%RSD	.03884	.06839	.19138	.02011	----	.00957	.28805	.00365
#1	.92375	9.5656	.95919	.95545	z 240.7	.98366	1.0003	.98137
#2	.92325	9.5748	.95660	.95572	z 244.0	.98353	.99626	.98132

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0010	z *****
Stddev	.0055	----
%RSD	.54449	----
#1	.99712	z 2637.
#2	1.0048	z 2644.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3799.2	2735.0	71305.	3789.8
Stddev	10.5	2.5	201.	17.1
%RSD	.27650	.09045	.28128	.45016
#1	3791.8	2733.3	71446.	3777.8
#2	3806.6	2736.8	71163.	3801.9

Sample Name: CCB-6785149 Acquired: 11/19/2021 0:49:05 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	.00988	.00010	-.00021	.00006	-.00004	-.00087	.00004
Stddev	.00003	.01026	.00278	.00007	.00001	.00001	.00026	.00003
%RSD	17.710	103.91	2677.2	31.406	22.767	19.177	29.850	75.249
#1	-.00017	.01713	-.00186	-.00017	.00005	-.00003	-.00069	.00002
#2	-.00022	.00262	.00207	-.00026	.00007	-.00004	-.00105	.00006

Check ? **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0062	.00015	.00006	.00016	.00180	.02411	.00001	.00231
Stddev	.0041	.00003	.00004	.00025	.00095	.00448	.00006	.00075
%RSD	66.03	18.001	66.780	157.82	52.755	18.568	549.04	32.239
#1	-.0033	.00013	.00009	.00033	.00113	.02095	.00005	.00284
#2	-.0091	.00016	.00003	-.00002	.00246	.02728	-.00003	.00179

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00002	.00318	.01260	-.00030	z *****	.00023	.0052	-.00092
Stddev	.00002	.00102	.00247	.00004	----	.00080	.0005	.00151
%RSD	77.280	32.024	19.586	12.752	----	343.03	9.485	164.31
#1	.00004	.00390	.01434	-.00033	z 137.6	.00080	.0056	-.00199
#2	.00001	.00246	.01085	-.00028	z 137.6	-.00033	.0049	.00015

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 0:49:05 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00311	-.01566	.00017	-.00000	z *****	.00011	.00065	-.00025
Stddev	.00048	.00832	.00003	.00002	----	.00025	.00047	.00015
%RSD	15.376	53.137	19.251	220610.	----	230.76	71.774	60.322
#1	.00277	-.02155	.00015	-.00002	z 85.75	-.00007	.00032	-.00035
#2	.00345	-.00978	.00019	.00002	z 85.60	.00029	.00098	-.00014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00027	z *****
Stddev	.00019	----
%RSD	70.718	----
#1	-.00014	z 324.6
#2	-.00041	z 324.8

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4444.7	2849.1	77553.	3982.2
Stddev	8.7	8.2	311.	29.3
%RSD	.19612	.28829	.40078	.73453
#1	4438.5	2843.3	77773.	3961.5
#2	4450.9	2854.9	77333.	4002.9

Sample Name: CCVL-6768474 Acquired: 11/19/2021 0:52:56 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00607	.18617	.01162	.01755	.00203	.00190	.50566	.00182
Stddev	.00002	.00085	.00023	.00003	.00000	.00000	.00008	.00003
%RSD	.39218	.45725	1.9639	.14831	.10966	.04317	.01577	1.5051
#1	.00605	.18557	.01178	.01757	.00203	.00190	.50560	.00180
#2	.00609	.18677	.01146	.01753	.00203	.00190	.50571	.00184

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.00368	.00391	.00960	.04884	.49141	.02801	.19049
Stddev	.0051	.00001	.00028	.00001	.00065	.01211	.00038	.00260
%RSD	413.3	.33068	7.0796	.09128	1.3236	2.4640	1.3726	1.3642
#1	.0049	.00369	.00411	.00960	.04930	.48285	.02828	.19233
#2	-.0024	.00367	.00372	.00959	.04839	.49997	.02773	.18866

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00324	.00767	.95361	.00933	z *****	.00982	.1716	.01809
Stddev	.00000	.00004	.00778	.00004	----	.00027	.0026	.00008
%RSD	.12310	.48047	.81599	.43462	----	2.7230	1.520	.43460
#1	.00324	.00770	.95911	.00936	z 134.9	.00963	.1735	.01815
#2	.00325	.00765	.94811	.00930	z 135.0	.01001	.1698	.01804

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 0:52:56 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02031	.44060	.00912	.00480	z *****	.00473	.01907	.00469
Stddev	.00085	.00683	.00014	.00008	----	.00005	.00054	.00008
%RSD	4.1885	1.5493	1.5851	1.7574	----	.97921	2.8461	1.7661
#1	.01971	.44542	.00922	.00486	z 84.10	.00469	.01945	.00475
#2	.02091	.43577	.00901	.00474	z 86.65	.00476	.01868	.00463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00984	z *****
Stddev	.00039	----
%RSD	3.9237	----
#1	.00957	z 322.7
#2	.01011	z 319.0

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4415.1	2845.4	77300.	4010.9
Stddev	10.7	2.2	156.	37.2
%RSD	.24232	.07771	.20234	.92688
#1	4422.7	2846.9	77189.	3984.6
#2	4407.5	2843.8	77410.	4037.2

Sample Name: 480-192417-D-6-ASD@5 Acquired: 11/19/2021 0:56:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00043	.00721	-0.00292	.00111	.00240
Stddev	.00017	.03043	.00192	.00005	.00002
%RSD	39.037	422.14	65.888	4.4399	.84292
#1	-0.00031	-0.01431	-0.00428	.00107	.00242
#2	-0.00055	.02872	-0.00156	.00114	.00239

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00013	7.7375	-0.00002	.0119	.00001
Stddev	.00004	.0498	.00001	.0089	.00007
%RSD	31.866	.64417	48.464	75.00	573.78
#1	-0.00016	7.7023	-0.00001	.0181	-0.00004
#2	-0.00010	7.7728	-0.00002	.0056	.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00014	.00007	.02918	.12040	.00145
Stddev	.00019	.00024	.00047	.02326	.00085
%RSD	131.22	322.10	1.6066	19.321	58.374
#1	-0.00028	.00024	.02951	.10395	.00205
#2	-0.00001	-0.00009	.02885	.13685	.00085

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-ASD@5 Acquired: 11/19/2021 0:56:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.4568	.02539	-.00330	6.5995	-.00026
Stddev	.0034	.00008	.00009	.0230	.00003
%RSD	.23419	.31760	2.7883	.34801	13.419
#1	1.4544	.02545	-.00337	6.5833	-.00023
#2	1.4592	.02533	-.00324	6.6158	-.00028

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00077	.5286	-.00104	-.00216
Stddev	-----	.00012	.0028	.00095	.00077
%RSD	-----	15.173	.5300	91.407	35.699
#1	z 147.1	.00085	.5306	-.00171	-.00161
#2	z 146.3	.00069	.5266	-.00037	-.00271

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.85873	-.00012	.03457	z *****	.00030
Stddev	.01826	.00071	.00011	-----	.00001
%RSD	2.1266	611.28	.33232	-----	2.6662
#1	.87164	-.00062	.03449	z 87.68	.00030
#2	.84582	.00039	.03465	z 88.48	.00029

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-ASD@5 Acquired: 11/19/2021 0:56:46 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00024	-0.00008	-0.00009	z *****
Stddev	.00102	.00002	.00025	-----
%RSD	425.07	25.331	292.57	-----

#1	.00048	-0.00009	.00009	z 333.0
#2	-0.00096	-0.00007	-0.00026	z 334.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4290.4	2835.3	74736.	3811.2
Stddev	6.7	1.6	128.	13.4
%RSD	.15538	.05494	.17146	.35134

#1	4295.1	2834.2	74826.	3820.7
#2	4285.6	2836.4	74645.	3801.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.212%	106.47%	99.899%	94.306%
Range				

Sample Name: 480-192417-D-6-APDS Acquired: 11/19/2021 1:00:35 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04617	9.5641	.19706	.19457	.21241
Stddev	.00015	.0409	.00129	.00060	.00005
%RSD	.31572	.42725	.65254	.30643	.02370

#1	.04628	9.5930	.19797	.19415	.21245
#2	.04607	9.5352	.19615	.19499	.21238

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20746	46.926	.18726	.0152	.19113
Stddev	.00065	.077	.00024	.0229	.00046
%RSD	.31283	.16321	.12645	150.7	.24130

#1	.20791	46.980	.18743	-.0010	.19080
#2	.20700	46.872	.18709	.0314	.19145

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19669	.19067	10.237	10.086	.18839
Stddev	.00023	.00065	.024	.022	.00020
%RSD	.11713	.34219	.23037	.22179	.10433

#1	.19653	.19114	10.220	10.070	.18853
#2	.19686	.19021	10.253	10.102	.18825

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192417-D-6-APDS Acquired: 11/19/2021 1:00:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	17.003	.32362	.19897	41.402	.19378
Stddev	.079	.00031	.00031	.003	.00026
%RSD	.46272	.09641	.15736	.00644	.13329
#1	16.947	.32340	.19875	41.404	.19397
#2	17.058	.32384	.19919	41.400	.19360

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19142	11.54	.19120	.17724
Stddev	-----	.00149	.01	.00116	.00068
%RSD	-----	.77925	.1083	.60571	.38609
#1	z 173.5	.19036	11.53	.19202	.17772
#2	z 174.4	.19247	11.55	.19038	.17675

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	13.418	.18600	.36184	z *****	.20134
Stddev	.057	.00048	.00052	-----	.00048
%RSD	.42363	.25999	.14471	-----	.23900
#1	13.458	.18634	.36221	z 93.64	.20100
#2	13.378	.18566	.36147	z 92.13	.20168

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-APDS Acquired: 11/19/2021 1:00:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20157	.19791	.20265	z *****
Stddev	.00136	.00007	.00040	-----
%RSD	.67358	.03741	.19773	-----

#1	.20253	.19797	.20237	z 396.0
#2	.20061	.19786	.20293	z 391.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3963.6	2748.4	72333.	3797.4
Stddev	3.2	4.6	33.	4.6
%RSD	.07985	.16868	.04508	.12083

#1	3965.9	2751.7	72310.	3794.2
#2	3961.4	2745.1	72356.	3800.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.657%	103.20%	96.688%	93.965%
Range				

Sample Name: 480-192417-D-6-B MS Acquired: 11/19/2021 1:04:13 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04714	9.5829	.20113	.20116	.21810
Stddev	.00009	.0003	.00114	.00054	.00053
%RSD	.19839	.00308	.56916	.26740	.24238
#1	.04707	9.5827	.20194	.20154	.21772
#2	.04720	9.5832	.20032	.20078	.21847

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20576	46.621	.19069	-.0051	.19158
Stddev	.00047	.223	.00048	.0052	.00047
%RSD	.22694	.47761	.24948	101.5	.24650
#1	.20543	46.464	.19103	-.0014	.19124
#2	.20609	46.779	.19036	-.0088	.19191

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19243	.19324	9.9925	10.182	.19142
Stddev	.00023	.00063	.0481	.028	.00043
%RSD	.11913	.32843	.48088	.27581	.22586
#1	.19226	.19280	9.9585	10.162	.19111
#2	.19259	.19369	10.026	10.202	.19172

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-B MS Acquired: 11/19/2021 1:04:13 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	16.710	.24146	.20205	41.874	.19304
Stddev	.000	.00001	.00013	.030	.00000
%RSD	.00282	.00429	.06312	.07143	.00084
#1	16.710	.24145	.20214	41.895	.19304
#2	16.709	.24147	.20196	41.853	.19304

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19184	11.94	.20379	.18913
Stddev	-----	.00063	.01	.00007	.00107
%RSD	-----	.32587	.1135	.03190	.56586
#1	z 168.5	.19228	11.95	.20375	.18989
#2	z 168.5	.19140	11.93	.20384	.18837

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	13.320	.18389	.36902	z *****	.19897
Stddev	.003	.00125	.00021	-----	.00018
%RSD	.02244	.67934	.05618	-----	.09117
#1	13.318	.18478	.36917	z 89.51	.19909
#2	13.322	.18301	.36887	z 88.36	.19884

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-B MS Acquired: 11/19/2021 1:04:13 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20102	.19485	.19279	z *****
Stddev	.00169	.00010	.00171	-----
%RSD	.84154	.05310	.88459	-----

#1	.19982	.19492	.19399	z 337.8
#2	.20221	.19477	.19158	z 340.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3965.3	2715.6	73683.	4026.7
Stddev	2.9	3.0	112.	14.5
%RSD	.07284	.10919	.15211	.36120

#1	3967.4	2713.5	73762.	4037.0
#2	3963.3	2717.7	73604.	4016.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.695%	101.97%	98.493%	99.638%
Range				

Sample Name: 480-192417-D-6-C MSD Acquired: 11/19/2021 1:07:51 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04794	9.5939	.20276	.19972	.21759
Stddev	.00007	.0189	.00168	.00221	.00005
%RSD	.13692	.19744	.82979	1.1049	.02167
#1	.04790	9.5805	.20395	.20128	.21762
#2	.04799	9.6073	.20157	.19816	.21755

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20914	46.848	.19067	-.0023	.19573
Stddev	.00000	.006	.00065	.0199	.00049
%RSD	.00119	.01224	.33934	866.1	.24846
#1	.20914	46.852	.19113	-.0163	.19539
#2	.20914	46.844	.19022	.0118	.19607

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19320	.19603	10.221	10.298	.19384
Stddev	.00018	.00036	.044	.007	.00035
%RSD	.09120	.18481	.42700	.07104	.18242
#1	.19307	.19628	10.190	10.293	.19409
#2	.19332	.19577	10.252	10.303	.19359

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-C MSD Acquired: 11/19/2021 1:07:51 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	16.940	.25549	.20404	41.735	.19811
Stddev	.062	.00055	.00028	.013	.00109
%RSD	.36757	.21357	.13716	.03055	.55037
#1	16.896	.25511	.20424	41.726	.19734
#2	16.984	.25588	.20384	41.744	.19888

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19637	11.83	.20121	.18976
Stddev	-----	.00228	.11	.00204	.00270
%RSD	-----	1.1599	.9136	1.0156	1.4219
#1	z 170.0	.19476	11.90	.20265	.19167
#2	z 175.4	.19798	11.75	.19976	.18785

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	13.439	.18857	.36893	z *****	.20201
Stddev	.025	.00083	.00046	-----	.00070
%RSD	.18646	.43951	.12349	-----	.34472
#1	13.421	.18799	.36861	z 86.24	.20152
#2	13.456	.18916	.36925	z 88.68	.20250

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-6-C MSD Acquired: 11/19/2021 1:07:51 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20667	.19780	.19470	z *****
Stddev	.00024	.00017	.00098	-----
%RSD	.11672	.08623	.50200	-----

#1	.20650	.19768	.19401	z 330.9
#2	.20684	.19793	.19539	z 336.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3940.0	2736.2	74025.	4059.7
Stddev	1.0	11.1	91.	3.9
%RSD	.02519	.40632	.12316	.09575

#1	3940.7	2728.3	74090.	4062.4
#2	3939.3	2744.0	73961.	4056.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.111%	102.74%	98.950%	100.45%
Range				

Sample Name: 480-192417-D-7-A Acquired: 11/19/2021 1:11:28 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00059	.11526	.00213	.03635	.12818
Stddev	.00021	.02394	.00093	.00020	.00028
%RSD	35.667	20.774	43.783	.56068	.22204
#1	-0.00044	.13219	.00278	.03620	.12838
#2	-0.00074	.09833	.00147	.03649	.12798

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	88.224	.00028	.0091	.00112
Stddev	.00006	.651	.00009	.0093	.00003
%RSD	62.755	.73790	30.576	102.1	2.3490
#1	-0.00013	88.684	.00034	.0025	.00110
#2	-0.00005	87.764	.00022	.0157	.00114

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00050	-0.00037	73.659	11.800	.00399
Stddev	.00011	.00014	.417	.006	.00133
%RSD	22.610	38.342	.56628	.04731	33.277
#1	-0.00058	-0.00027	73.954	11.804	.00305
#2	-0.00042	-0.00047	73.364	11.797	.00492

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-7-A Acquired: 11/19/2021 1:11:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	18.212	1.8889	-0.0301	17.309	.00249
Stddev	.103	.0068	.00004	.017	.00038
%RSD	.56628	.35947	1.4543	.10012	15.164
#1	18.285	1.8937	-0.0304	17.296	.00222
#2	18.139	1.8841	-0.0298	17.321	.00276

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.00055	.1328	.00100	-0.00367
Stddev	-----	.00085	.0008	.00003	.00050
%RSD	-----	154.25	.5959	3.4755	13.705
#1	z 339.5	.00005	.1334	.00098	-0.00403
#2	z 340.1	-0.00115	.1323	.00103	-0.00332

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	13.102	-0.00009	.26689	z *****	.00422
Stddev	.024	.00024	.00083	-----	.00032
%RSD	.18137	272.17	.31149	-----	7.6621
#1	13.119	.00008	.26631	z 102.1	.00399
#2	13.085	-0.00026	.26748	z 97.83	.00445

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192417-D-7-A Acquired: 11/19/2021 1:11:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00027	.00140	.00523	z *****
Stddev	.00192	.00005	.00002	-----
%RSD	715.47	3.4936	.29615	-----

#1	.00109	.00136	.00524	z 331.4
#2	-0.00162	.00143	.00522	z 326.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3932.1	2721.1	72686.	3873.5
Stddev	2.8	3.2	139.	78.7
%RSD	.07069	.11644	.19136	2.0305

#1	3930.1	2723.3	72588.	3817.9
#2	3934.0	2718.8	72784.	3929.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.926%	102.18%	97.160%	95.848%
Range				

Sample Name: 480-192417-D-8-A Acquired: 11/19/2021 1:15:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0022	.01679	-0.00200	.01995	.08496
Stddev	.00028	.00158	.00001	.00020	.00005
%RSD	124.47	9.4063	.69238	1.0003	.06441
#1	-0.0042	.01567	-0.00199	.01981	.08500
#2	-0.00003	.01790	-0.00201	.02009	.08492

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00018	86.764	.00024	.0253	.00016
Stddev	.00011	.152	.00005	.0061	.00013
%RSD	62.421	.17518	21.348	24.23	78.137
#1	-0.00026	86.871	.00020	.0297	.00026
#2	-0.00010	86.656	.00027	.0210	.00007

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00042	16.203	10.701	.00577
Stddev	.00003	.00032	.049	.021	.00018
%RSD	69.969	75.486	.30055	.19872	3.1708
#1	.00002	.00065	16.168	10.716	.00564
#2	.00007	.00020	16.237	10.686	.00590

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-8-A Acquired: 11/19/2021 1:15:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	19.882	2.6891	-0.0309	10.056	.00003
Stddev	.100	.0100	.00010	.012	.00004
%RSD	.50450	.37040	3.1623	.11830	128.16
#1	19.953	2.6821	-0.0302	10.065	.00000
#2	19.811	2.6962	-0.0316	10.048	.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.0010	1.521	-0.00247	-0.00569
Stddev	-----	.00062	.001	.00002	.00110
%RSD	-----	639.67	.0352	.89387	19.282
#1	z 283.7	.00034	1.520	-0.00246	-0.00646
#2	z 285.4	-0.00054	1.521	-0.00249	-0.00491

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.532	-0.00062	.48876	z *****	-0.00021
Stddev	.006	.00010	.00084	-----	.00014
%RSD	.06035	16.364	.17252	-----	65.539
#1	10.527	-0.00070	.48936	z 89.82	-0.00030
#2	10.536	-0.00055	.48817	z 90.06	-0.00011

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192417-D-8-A Acquired: 11/19/2021 1:15:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00100	.00025	.00156	z *****
Stddev	.00088	.00019	.00070	-----
%RSD	88.049	74.727	44.630	-----

#1	.00163	.00012	.00107	z 316.6
#2	.00038	.00038	.00206	z 314.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3976.3	2711.6	73050.	3959.3
Stddev	6.1	2.6	273.	12.3
%RSD	.15318	.09696	.37334	.30944

#1	3972.0	2709.8	73243.	3950.6
#2	3980.6	2713.5	72857.	3968.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	91.949%	101.82%	97.646%	97.971%
Range				

Sample Name: 480-192434-A-1-A Acquired: 11/19/2021 1:19:07 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00030	.46188	-0.00046	.00918	.03054
Stddev	.00002	.01132	.00138	.00043	.00010
%RSD	6.8564	2.4509	298.83	4.7078	.31479
#1	-0.00029	.46989	.00051	.00887	.03047
#2	-0.00032	.45388	-.00144	.00948	.03061

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00016	25.529	.00002	.0035	-0.00003
Stddev	.00001	.054	.00001	.0068	.00001
%RSD	6.0983	.21014	39.401	194.8	23.845
#1	-0.00015	25.567	.00002	-.0013	-.00003
#2	-0.00017	25.491	.00003	.0083	-.00002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00054	.43050	1.2374	.00256
Stddev	.00005	.00036	.00116	.0053	.00077
%RSD	11.886	66.859	.26872	.42397	30.295
#1	.00042	.00029	.43132	1.2411	.00201
#2	.00049	.00080	.42968	1.2336	.00310

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192434-A-1-A Acquired: 11/19/2021 1:19:07 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.6642	.04603	-.00365	50.889	.00006
Stddev	.0141	.00013	.00000	.092	.00015
%RSD	.38491	.27713	.04618	.18025	230.08
#1	3.6542	.04594	-.00365	50.954	-.00004
#2	3.6742	.04612	-.00365	50.825	.00017

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00074	3.481	-.00164	-.00262
Stddev	-----	.00043	.006	.00008	.00123
%RSD	-----	57.696	.1879	5.0559	46.980
#1	z 153.7	.00104	3.486	-.00159	-.00175
#2	z 153.0	.00044	3.476	-.00170	-.00349

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.4201	-.00063	.05927	z *****	.01133
Stddev	.0130	.00020	.00019	-----	.00214
%RSD	.53598	32.580	.31494	-----	18.895
#1	2.4293	-.00048	.05913	z 86.36	.01284
#2	2.4109	-.00077	.05940	z 84.40	.00982

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192434-A-1-A Acquired: 11/19/2021 1:19:07 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00080	.00050	.00373	z *****
Stddev	.00097	.00003	.00017	-----
%RSD	120.67	6.6889	4.4234	-----

#1	.00012	.00048	.00385	z 317.2
#2	.00148	.00052	.00362	z 313.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4061.4	2729.3	73555.	3925.9
Stddev	1.6	3.5	226.	14.4
%RSD	.04031	.12839	.30769	.36573

#1	4060.3	2726.8	73715.	3915.8
#2	4062.6	2731.8	73395.	3936.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.918%	102.49%	98.321%	97.144%
Range				

Sample Name: 480-192434-A-6-A Acquired: 11/19/2021 1:22:54 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.02866	-0.0126	.03927	.04563
Stddev	.00028	.00230	.00044	.00020	.00004
%RSD	256.74	8.0199	35.141	.50993	.09283
#1	-0.0031	.02703	-0.0157	.03941	.04560
#2	.00009	.03029	-0.0095	.03913	.04566

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	53.527	.00003	-0.0054	-0.00001
Stddev	.00007	1.015	.00004	.0065	.00011
%RSD	52.378	1.8957	139.24	119.2	746.02
#1	-0.0008	52.809	.00006	-0.0009	.00006
#2	-0.0018	54.244	.00000	-0.0100	-0.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00027	.03164	6.1000	.00741
Stddev	.00018	.00013	.00080	.0699	.00139
%RSD	182.50	48.085	2.5174	1.1459	18.730
#1	.00022	.00036	.03108	6.0506	.00839
#2	-0.00003	.00018	.03221	6.1494	.00643

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192434-A-6-A Acquired: 11/19/2021 1:22:54 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.923	.01130	-.00288	272.59	.00097
Stddev	.152	.00012	.00004	.61	.00030
%RSD	1.3955	1.0933	1.4590	.22323	30.389
#1	11.030	.01139	-.00285	272.16	.00118
#2	10.815	.01122	-.00291	273.02	.00076

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00086	60.75	-.00198	-.00533
Stddev	-----	.00001	.00	.00001	.00060
%RSD	-----	1.3013	.0063	.72341	11.282
#1	z 162.7	.00086	60.75	-.00197	-.00576
#2	z 162.9	.00085	60.76	-.00199	-.00490

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	1.1531	-.00030	.12547	z *****	.00040
Stddev	.0254	.00027	.00023	-----	.00008
%RSD	2.2001	90.390	.18429	-----	20.981
#1	1.1352	-.00011	.12563	z 85.57	.00034
#2	1.1711	-.00050	.12531	z 90.80	.00046

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192434-A-6-A Acquired: 11/19/2021 1:22:54 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00053	-.00018	.00067	z *****
Stddev	.00119	.00009	.00028	-----
%RSD	225.41	51.511	41.246	-----

#1	-0.00031	-0.00024	.00087	z 312.2
#2	.00136	-0.00011	.00048	z 332.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3715.4	2632.1	69371.	3894.3
Stddev	5.9	3.7	870.	145.1
%RSD	.15747	.13924	1.2541	3.7246

#1	3711.3	2629.6	68756.	3996.8
#2	3719.6	2634.7	69986.	3791.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	85.917%	98.838%	92.728%	96.362%
Range				

Sample Name: 480-192385-C-2-A Acquired: 11/19/2021 1:26:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00006	.02239	-0.00160	.25893	.07040
Stddev	.00025	.00187	.00068	.00050	.00007
%RSD	393.51	8.3718	42.324	.19492	.10072
#1	-0.00024	.02107	-0.00208	.25929	.07045
#2	.00011	.02372	-0.00112	.25858	.07035

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	118.87	.00007	-0.0250	.00003
Stddev	.00005	.15	.00006	.0037	.00017
%RSD	97.814	.12332	87.325	15.00	657.73
#1	-0.00008	118.98	.00012	-0.0276	.00015
#2	-0.00001	118.77	.00003	-0.0223	-0.00010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	.00043	10.117	8.2896	.04941
Stddev	.00020	.00006	.016	.0319	.00137
%RSD	190.90	12.922	.16003	.38488	2.7652
#1	.00004	.00047	10.129	8.2671	.04844
#2	-0.00024	.00039	10.106	8.3122	.05037

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-2-A Acquired: 11/19/2021 1:26:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	25.998	.14303	-.00280	111.36	.00149
Stddev	.012	.00004	.00045	.04	.00014
%RSD	.04558	.02730	15.944	.03610	9.1283
#1	26.007	.14300	-.00311	111.33	.00159
#2	25.990	.14306	-.00248	111.38	.00140

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00047	22.46	-.00206	-.00612
Stddev	-----	.00030	.09	.00120	.00257
%RSD	-----	64.037	.3805	58.229	42.045
#1	z 169.4	-.00025	22.52	-.00291	-.00794
#2	z 170.0	-.00068	22.40	-.00121	-.00430

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.5228	-.00066	1.8894	z *****	.00086
Stddev	.0043	.00093	.0036	-----	.00009
%RSD	.17231	140.57	.19255	-----	10.470
#1	2.5197	-.00000	1.8869	z 90.25	.00079
#2	2.5259	-.00132	1.8920	z 90.68	.00092

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-2-A Acquired: 11/19/2021 1:26:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00015	-0.00014	.03937	z *****
Stddev	.00042	.00014	.00005	-----
%RSD	284.08	98.381	.13473	-----

#1	.00015	-0.00024	.03933	z 318.1
#2	-0.00044	-0.00004	.03940	z 317.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3767.6	2637.2	71043.	3963.4
Stddev	3.0	6.5	19.	1.3
%RSD	.08093	.24522	.02605	.03173

#1	3765.4	2632.6	71030.	3962.6
#2	3769.8	2641.8	71056.	3964.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.123%	99.027%	94.964%	98.073%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 1:30:34 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95904	48.059	.95664	.94554	.95149	.98787	49.146	.93225
Stddev	.00138	.192	.00244	.00162	.00246	.00136	.105	.00069
%RSD	.14356	.39977	.25526	.17081	.25836	.13815	.21440	.07407
#1	.96001	48.195	.95491	.94440	.95323	.98883	49.221	.93274
#2	.95807	47.923	.95837	.94668	.94975	.98690	49.072	.93176

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9896	.95661	.97719	.96947	50.218	48.544	.94679	48.578
Stddev	.0107	.00165	.00163	.00079	.263	.067	.00395	.050
%RSD	1.082	.17223	.16675	.08153	.52385	.13868	.41702	.10354
#1	.9820	.95777	.97603	.97003	50.032	48.497	.94400	48.542
#2	.9971	.95544	.97834	.96891	50.404	48.592	.94958	48.614

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0009	.97375	47.984	.98492	z *****	.95047	22.61	.93587
Stddev	.0009	.00397	.085	.00041	----	.00375	.02	.00048
%RSD	.09322	.40727	.17804	.04204	----	.39428	.0757	.05165
#1	1.0002	.97094	48.044	.98462	z 11060.	.95312	22.62	.93622
#2	1.0016	.97655	47.923	.98521	z 11070.	.94782	22.59	.93553

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 1:30:34 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93629	9.5817	.95029	.96821	z *****	.98462	.99963	.98251
Stddev	.00190	.0675	.00272	.00039	----	.00033	.00166	.00014
%RSD	.20306	.70406	.28601	.04044	----	.03370	.16628	.01429
#1	.93763	9.5340	.95221	.96849	z 244.5	.98486	1.0008	.98241
#2	.93494	9.6294	.94837	.96793	z 240.6	.98439	.99846	.98261

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.97298	z *****
Stddev	.00359	----
%RSD	.36933	----
#1	.97044	z 2714.
#2	.97552	z 2732.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3816.6	2741.6	71869.	3921.7
Stddev	7.4	4.3	16.	1.3
%RSD	.19438	.15826	.02227	.03329
#1	3811.3	2738.6	71857.	3920.7
#2	3821.8	2744.7	71880.	3922.6

Sample Name: CCB-6785149 Acquired: 11/19/2021 1:34:09 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	-0.00239	-0.00063	-0.00068	.00009	-0.00008	-0.00062	.00000
Stddev	.00010	.00083	.00072	.00011	.00001	.00003	.00200	.00009
%RSD	54.833	34.816	113.02	16.191	13.821	38.938	322.41	3069.7
#1	-0.00025	-0.00180	-0.00114	-0.00075	.00008	-0.00006	.00080	-0.00006
#2	-0.00011	-0.00298	-0.00013	-0.00060	.00010	-0.00010	-0.00204	.00007

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186	.00005	.00004	.00016	.00644	.03272	.00002	.00048
Stddev	.0042	.00006	.00022	.00026	.00100	.00357	.00068	.00130
%RSD	22.52	114.50	582.74	167.53	15.551	10.909	2951.9	271.01
#1	.0216	.00009	.00019	-0.00003	.00715	.03020	.00050	-0.00044
#2	.0156	.00001	-0.00012	.00034	.00574	.03525	-0.00046	.00139

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00003	.00319	.02934	-0.00025	z *****	-0.00069	.0028	-0.00055
Stddev	.00001	.00062	.00179	.00013	----	.00054	.0033	.00020
%RSD	45.968	19.417	6.1165	50.560	----	78.670	117.7	36.812
#1	.00002	.00363	.03061	-0.00016	z 144.1	-0.00107	.0051	-0.00041
#2	.00003	.00275	.02807	-0.00034	z 142.7	-0.00031	.0005	-0.00070

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 1:34:09 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00412	-.02038	-.00058	-.00004	z *****	.00015	-.00068	-.00005
Stddev	.00351	.00752	.00041	.00004	----	.00008	.00006	.00016
%RSD	85.083	36.896	70.454	95.608	----	54.829	8.2350	324.69
#1	.00164	-.01507	-.00029	-.00007	z 89.35	.00020	-.00071	.00006
#2	.00661	-.02570	-.00087	-.00001	z 89.00	.00009	-.00064	-.00016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00010	z *****
Stddev	.00057	----
%RSD	550.71	----
#1	.00030	z 333.2
#2	-.00050	z 338.8

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4441.4	2839.5	75632.	3767.1
Stddev	3.8	.4	142.	6.0
%RSD	.08449	.01435	.18760	.16058
#1	4438.7	2839.8	75531.	3762.8
#2	4444.0	2839.2	75732.	3771.3

Sample Name: CCVL-6768474 Acquired: 11/19/2021 1:37:59 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00587	.17659	.01130	.01735	.00205	.00184	.50118	.00187
Stddev	.00010	.01156	.00046	.00016	.00000	.00001	.00028	.00001
%RSD	1.7406	6.5484	4.0585	.94691	.04993	.46353	.05635	.28977
#1	.00595	.18477	.01097	.01747	.00205	.00184	.50137	.00188
#2	.00580	.16842	.01162	.01724	.00205	.00183	.50098	.00187

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	.00368	.00364	.00970	.04810	.50277	.02812	.18821
Stddev	.0123	.00004	.00036	.00018	.00320	.03829	.00078	.00014
%RSD	78.99	1.0581	9.8700	1.8911	6.6563	7.6159	2.7714	.07350
#1	.0243	.00371	.00338	.00983	.04584	.52984	.02867	.18831
#2	.0069	.00366	.00389	.00957	.05037	.47569	.02757	.18811

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00325	.00803	.95970	.00927	z *****	.01084	.1698	.01782
Stddev	.00002	.00022	.00130	.00002	----	.00116	.0011	.00114
%RSD	.48714	2.7749	.13555	.21385	----	10.670	.6556	6.4093
#1	.00326	.00819	.96062	.00926	z 137.2	.01166	.1706	.01702
#2	.00324	.00788	.95878	.00929	z 136.9	.01002	.1690	.01863

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 1:37:59 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02072	.44426	.00859	.00481	z *****	.00476	.01948	.00452
Stddev	.00041	.00939	.00010	.00004	-----	.00005	.00078	.00034
%RSD	1.9978	2.1137	1.2053	.91906	-----	1.0289	4.0147	7.5196
#1	.02101	.43762	.00852	.00478	z 85.70	.00480	.02003	.00476
#2	.02042	.45090	.00867	.00484	z 85.45	.00473	.01893	.00428

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00990	z *****
Stddev	.00016	-----
%RSD	1.6606	-----
#1	.01001	z 318.2
#2	.00978	z 317.8

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4435.5	2853.4	78087.	4012.9
Stddev	5.2	5.5	12.	15.3
%RSD	.11751	.19286	.01570	.38093
#1	4431.8	2849.5	78096.	4002.1
#2	4439.2	2857.3	78079.	4023.8

Sample Name: 480-192385-C-3-A Acquired: 11/19/2021 1:41:50 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	1.2238	-0.0006	.39398	.09652
Stddev	.00004	.0143	.00028	.00167	.00019
%RSD	41.299	1.1666	450.58	.42439	.19711
#1	-0.0012	1.2339	.00013	.39516	.09666
#2	-0.0007	1.2137	-0.0026	.39280	.09639

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	130.29	.00055	.0162	.00058
Stddev	.00004	.18	.00005	.0122	.00014
%RSD	53.249	.13624	9.4771	75.59	25.016
#1	-0.0004	130.17	.00051	.0075	.00047
#2	-0.0010	130.42	.00059	.0248	.00068

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00923	.01574	5.6158	8.5091	.01791
Stddev	.00003	.00037	.0154	.0478	.00140
%RSD	.27725	2.3439	.27498	.56163	7.8419
#1	.00921	.01548	5.6049	8.4753	.01692
#2	.00924	.01600	5.6267	8.5429	.01890

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-3-A Acquired: 11/19/2021 1:41:50 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	19.953	.29523	.00181	99.059	.00653
Stddev	.075	.00045	.00006	.361	.00000
%RSD	.37591	.15181	3.0865	.36397	.06899
#1	19.899	.29491	.00177	98.804	.00653
#2	20.006	.29554	.00184	99.314	.00653

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.01715	33.92	.00027	-.00433
Stddev	-----	.00077	.23	.00016	.00100
%RSD	-----	4.4829	.6896	59.436	23.030
#1	z 236.1	.01769	34.08	.00039	-.00362
#2	z 237.8	.01661	33.75	.00016	-.00503

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.9790	.00038	.69386	z *****	.03984
Stddev	.0002	.00043	.00191	-----	.00155
%RSD	.00284	113.72	.27562	-----	3.9020
#1	6.9791	.00068	.69251	z 90.74	.03874
#2	6.9788	.00007	.69521	z 90.85	.04094

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-3-A Acquired: 11/19/2021 1:41:50 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00178	.00605	.30501	z *****
Stddev	.00012	.00017	.00260	-----
%RSD	6.6679	2.8772	.85160	-----

#1	.00169	.00593	.30317	z 327.1
#2	.00186	.00617	.30685	z 323.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3772.5	2641.5	70606.	3937.1
Stddev	1.7	9.5	144.	1.1
%RSD	.04461	.35891	.20391	.02679

#1	3771.3	2634.8	70504.	3937.9
#2	3773.7	2648.2	70708.	3936.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.236%	99.190%	94.380%	97.422%
Range				

Sample Name: 480-192385-C-4-A Acquired: 11/19/2021 1:45:34 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00355	.28918	-0.00669	.14585	.14290
Stddev	.00004	.01223	.00062	.00035	.00051
%RSD	1.1282	4.2296	9.3153	.24300	.35445
#1	-0.00358	.29783	-0.00625	.14610	.14254
#2	-0.00352	.28053	-0.00713	.14560	.14326

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00014	120.30	.00063	.1959	-0.00168
Stddev	.00009	.15	.00002	.0101	.00018
%RSD	62.937	.12141	3.1460	5.140	10.814
#1	-0.00020	120.19	.00061	.2030	-0.00155
#2	-0.00008	120.40	.00064	.1888	-0.00181

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2714	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	271.441 {124}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	F -0.00852	.00586	F 634.02	7.4181	.01221
Stddev	.00004	.00005	.98	.0272	.00064
%RSD	.45799	.82419	.15498	.36606	5.2114
#1	-0.00855	.00583	633.33	7.4373	.01176
#2	-0.00849	.00590	634.72	7.3989	.01266

Check ? **Chk Fail** **Chk Pass** **Chk Fail** **Chk Pass** **Chk Pass**
 High Limit **9.0000** **540.00**
 Low Limit **-0.00400** **-0.05000**

Sample Name: 480-192385-C-4-A Acquired: 11/19/2021 1:45:34 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	18.846	.41767	.01741	135.77	.16687
Stddev	.020	.00044	.00003	.16	.00018
%RSD	.10715	.10517	.17418	.11708	.10517

#1	18.832	.41736	.01743	135.66	.16699
#2	18.860	.41798	.01738	135.89	.16675

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	F -.01141	9.585	.02686	-.00687
Stddev	-----	.00042	.037	.00075	.00076
%RSD	-----	3.6624	.3844	2.7742	11.084

#1	z 328.6	-.01170	9.611	.02634	-.00633
#2	z 327.9	-.01111	9.559	.02739	-.00741

Check ?	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		110.00			
Low Limit		-.01000			

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.8744	.00173	.68018	z *****	.00824
Stddev	.0340	.00015	.00018	-----	.00022
%RSD	1.1844	8.5452	.02677	-----	2.6807

#1	2.8503	.00163	.68031	z 175.2	.00839
#2	2.8985	.00184	.68005	z 175.2	.00808

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192385-C-4-A Acquired: 11/19/2021 1:45:34 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00557	-0.00268	.01505	z *****
Stddev	.00196	.00009	.00024	-----
%RSD	35.223	3.4557	1.6018	-----

#1	-0.00419	-0.00261	.01522	z 361.9
#2	-0.00696	-0.00274	.01488	z 372.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3573.3	2567.8	68609.	3796.3
Stddev	.5	4.0	10.	11.6
%RSD	.01534	.15690	.01420	.30646

#1	3572.9	2565.0	68616.	3804.5
#2	3573.7	2570.7	68602.	3788.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.631%	96.423%	91.710%	93.936%
Range				

Sample Name: 480-192385-C-5-A Acquired: 11/19/2021 1:49:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	.56929	-.00120	.41546	.09975
Stddev	.00053	.01484	.00090	.00141	.00011
%RSD	235.97	2.6064	75.042	.34048	.10579
#1	.00015	.57978	-.00056	.41446	.09967
#2	-.00060	.55879	-.00184	.41646	.09982

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	145.11	.00023	.0009	.00067
Stddev	.00003	.34	.00006	.0137	.00004
%RSD	44.640	.23289	24.061	1482.	5.7121
#1	-.00004	144.87	.00019	.0106	.00069
#2	-.00008	145.35	.00027	-.0087	.00064

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01076	.00726	.89147	10.987	.03117
Stddev	.00025	.00024	.00025	.018	.00030
%RSD	2.2899	3.3499	.02786	.16471	.96861
#1	.01059	.00709	.89129	10.974	.03138
#2	.01093	.00743	.89164	11.000	.03095

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-5-A Acquired: 11/19/2021 1:49:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	28.296	.23970	-.00102	142.31	.00163
Stddev	.042	.00076	.00005	.17	.00031
%RSD	.14896	.31791	5.2780	.12185	19.128
#1	28.326	.24024	-.00106	142.43	.00141
#2	28.267	.23916	-.00098	142.19	.00185

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00508	25.49	-.00294	-.00601
Stddev	-----	.00103	.07	.00020	.00000
%RSD	-----	20.295	.2558	6.6385	.03758
#1	z 219.1	.00435	25.45	-.00280	-.00601
#2	z 218.8	.00581	25.54	-.00308	-.00602

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.9623	-.00000	1.2942	z *****	.01321
Stddev	.0195	.00096	.0023	-----	.00114
%RSD	.24527	56866.	.17558	-----	8.6414
#1	7.9485	-.00068	1.2958	z 91.54	.01402
#2	7.9761	.00068	1.2926	z 94.66	.01240

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192385-C-5-A Acquired: 11/19/2021 1:49:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00022	.00154	.04268	z *****
Stddev	.00002	.00037	.00010	-----
%RSD	10.613	23.992	.23741	-----

#1	.00024	.00180	.04260	z 327.9
#2	.00021	.00128	.04275	z 327.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3730.4	2627.2	69656.	3790.1
Stddev	11.6	11.0	88.	6.0
%RSD	.31055	.42002	.12618	.15807

#1	3738.6	2635.0	69594.	3785.8
#2	3722.2	2619.4	69718.	3794.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.263%	98.653%	93.110%	93.783%
Range				

Sample Name: 480-192385-C-6-A Acquired: 11/19/2021 1:53:17 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00109	1.9524	.01127	.06671	.07836
Stddev	.00029	.0105	.00130	.00030	.00005
%RSD	26.513	.53953	11.500	.44488	.06462
#1	.00129	1.9598	.01219	.06650	.07840
#2	.00088	1.9449	.01036	.06692	.07832

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	96.253	.00032	-.0009	.01639
Stddev	.00013	.537	.00007	.0353	.00004
%RSD	310.50	.55773	22.502	3909.	.22271
#1	-.00013	95.874	.00037	.0241	.01636
#2	.00005	96.633	.00027	-.0259	.01641

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.15255	.03541	5.2812	1.6364	.00844
Stddev	.00006	.00048	.0362	.0170	.00072
%RSD	.04000	1.3415	.68544	1.0382	8.5390
#1	.15260	.03508	5.2556	1.6244	.00793
#2	.15251	.03575	5.3068	1.6484	.00895

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-6-A Acquired: 11/19/2021 1:53:17 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.805	.23319	.01142	202.06	.42200
Stddev	.023	.00057	.00032	.42	.00013
%RSD	.17822	.24454	2.8013	.20844	.03023
#1	12.788	.23279	.01164	202.36	.42209
#2	12.821	.23360	.01119	201.77	.42191

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00309	13.36	-.00093	-.00391
Stddev	-----	.00140	.03	.00185	.00037
%RSD	-----	45.403	.1968	200.21	9.4542
#1	z 221.6	.00408	13.34	-.00224	-.00365
#2	z 219.6	.00209	13.38	.00039	-.00417

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.1900	-.00004	.29158	z *****	.05256
Stddev	.0275	.00035	.00092	-----	.00094
%RSD	.29885	914.28	.31687	-----	1.7843
#1	9.2094	-.00029	.29223	z 86.72	.05322
#2	9.1706	.00021	.29093	z 91.26	.05190

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-6-A Acquired: 11/19/2021 1:53:17 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00089	.00517	.00708	z *****
Stddev	.00006	.00011	.00012	-----
%RSD	6.7097	2.0977	1.7624	-----

#1	.00093	.00525	.00699	z 318.8
#2	.00084	.00509	.00716	z 328.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3739.2	2647.9	70601.	3929.8
Stddev	.8	2.4	271.	14.5
%RSD	.02027	.09011	.38359	.36819

#1	3738.6	2649.6	70792.	3940.0
#2	3739.7	2646.2	70409.	3919.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.465%	99.428%	94.372%	97.240%
Range				

Sample Name: 480-192385-C-7-A Acquired: 11/19/2021 1:57:07 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.01651	.00033	.16386	.03863
Stddev	.00008	.01408	.00139	.00056	.00004
%RSD	23.922	85.287	419.88	.34131	.11173
#1	.00029	.00655	-.00065	.16425	.03860
#2	.00040	.02647	.00131	.16346	.03866

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	94.601	.00009	.0048	-.00003
Stddev	.00007	.031	.00000	.0106	.00009
%RSD	50.381	.03262	4.5147	220.0	333.99
#1	-.00009	94.622	.00009	-.0027	-.00009
#2	-.00019	94.579	.00009	.0123	.00004

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00068	.00031	.15251	5.3986	.00439
Stddev	.00029	.00011	.00546	.0073	.00068
%RSD	42.663	34.751	3.5809	.13500	15.420
#1	.00047	.00039	.15637	5.4037	.00487
#2	.00088	.00023	.14865	5.3934	.00391

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192385-C-7-A Acquired: 11/19/2021 1:57:07 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	11.981	.06594	-.00184	15.472	.00008
Stddev	.011	.00001	.00012	.022	.00014
%RSD	.08867	.01819	6.3596	.14312	167.73
#1	11.973	.06593	-.00192	15.488	.00018
#2	11.988	.06595	-.00176	15.457	-.00002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00037	9.502	-.00117	-.00451
Stddev	-----	.00007	.019	.00087	.00111
%RSD	-----	20.415	.1971	74.046	24.712
#1	z 167.3	-.00031	9.515	-.00178	-.00372
#2	z 167.5	-.00042	9.488	-.00056	-.00530

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.6896	-.00021	.31300	z *****	.00060
Stddev	.0269	.00093	.00037	-----	.00020
%RSD	.47293	436.93	.11969	-----	32.789
#1	5.6705	-.00087	.31327	z 85.89	.00046
#2	5.7086	.00044	.31274	z 88.77	.00074

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192385-C-7-A Acquired: 11/19/2021 1:57:07 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00039	-0.00005	.00061	z *****
Stddev	.00076	.00015	.00022	-----
%RSD	193.60	338.00	36.275	-----

#1	.00015	.00006	.00076	z 323.1
#2	-0.00093	-0.00015	.00045	z 326.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3989.3	2711.3	73101.	3958.1
Stddev	.8	3.5	74.	11.9
%RSD	.02121	.13077	.10183	.29959

#1	3988.7	2708.8	73154.	3949.7
#2	3989.9	2713.8	73049.	3966.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.249%	101.81%	97.715%	97.941%
Range				

Sample Name: 480-192385-C-8-A Acquired: 11/19/2021 2:00:53 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00007	.01919	.00617	.24972	.15209
Stddev	.00007	.00341	.00034	.00010	.00040
%RSD	95.998	17.762	5.5725	.03959	.26308
#1	-0.00002	.01678	.00593	.24965	.15237
#2	-0.00012	.02160	.00641	.24979	.15181

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	136.21	.00018	.0169	-0.00006
Stddev	.00004	.02	.00007	.0046	.00006
%RSD	49.705	.01120	38.660	26.88	109.27
#1	-0.00012	136.20	.00023	.0137	-0.00010
#2	-0.00006	136.22	.00013	.0202	-0.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00102	.00137	2.4556	9.7582	.01391
Stddev	.00011	.00036	.0025	.0006	.00055
%RSD	10.575	26.425	.10119	.00635	3.9766
#1	.00095	.00111	2.4538	9.7578	.01352
#2	.00110	.00162	2.4574	9.7587	.01430

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192385-C-8-A Acquired: 11/19/2021 2:00:53 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.792	.63101	.00306	86.383	.00035
Stddev	.003	.00010	.00005	.070	.00018
%RSD	.02410	.01553	1.6498	.08089	51.644
#1	10.794	.63095	.00302	86.334	.00048
#2	10.790	.63108	.00309	86.433	.00022

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00116	.8822	-.00340	-.00308
Stddev	-----	.00004	.0071	.00033	.00008
%RSD	-----	3.5721	.8057	9.7580	2.7534
#1	z 232.4	.00119	.8872	-.00316	-.00314
#2	z 234.1	.00113	.8772	-.00363	-.00302

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.9025	-.00027	.55713	z *****	.00176
Stddev	.0125	.00033	.00049	-----	.00009
%RSD	.15762	125.94	.08847	-----	5.1723
#1	7.8937	-.00050	.55678	z 89.13	.00183
#2	7.9113	-.00003	.55748	z 89.30	.00170

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192385-C-8-A Acquired: 11/19/2021 2:00:53 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00003	.00090	.00584	z *****
Stddev	.00164	.00015	.00064	-----
%RSD	6346.2	17.000	10.990	-----

#1	-0.00119	.00101	.00629	z 326.5
#2	.00113	.00079	.00538	z 322.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3800.4	2679.1	71367.	3894.1
Stddev	2.8	6.6	12.	6.9
%RSD	.07349	.24675	.01738	.17613

#1	3798.4	2674.4	71358.	3889.3
#2	3802.3	2683.8	71376.	3899.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	87.881%	100.60%	95.397%	96.358%
Range				

Sample Name: 480-192461-A-1-A Acquired: 11/19/2021 2:04:40 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00003	.01885	-0.00272	.07673	.30944
Stddev	.00018	.00043	.00105	.00025	.00397
%RSD	520.20	2.2914	38.649	.32493	1.2844
#1	-0.00016	.01855	-0.00346	.07691	.30663
#2	.00009	.01916	-0.00197	.07655	.31225

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00011	225.39	.00017	.0238	.00044
Stddev	.00003	.01	.00001	.0256	.00024
%RSD	31.831	.00257	4.7744	107.3	54.102
#1	-0.00008	225.39	.00016	.0419	.00027
#2	-0.00013	225.39	.00017	.0058	.00061

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00094	1.8972	8.3485	.02143
Stddev	.00003	.00024	.0023	.0096	.00011
%RSD	7.8378	25.752	.12328	.11462	.51389
#1	.00037	.00111	1.8956	8.3417	.02135
#2	.00042	.00077	1.8989	8.3553	.02151

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192461-A-1-A Acquired: 11/19/2021 2:04:40 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	89.593	.34535	-.00249	633.10	.00292
Stddev	.227	.00068	.00010	2.34	.00036
%RSD	.25305	.19587	4.0182	.36892	12.326
#1	89.432	.34487	-.00242	631.45	.00267
#2	89.753	.34583	-.00257	634.76	.00318

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00042	20.17	-.00250	-.01297
Stddev	-----	.00147	.01	.00078	.00095
%RSD	-----	348.04	.0605	31.060	7.3613
#1	z 205.9	.00146	20.17	-.00305	-.01364
#2	z 205.2	-.00062	20.18	-.00195	-.01229

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.0444	.00079	1.3635	z *****	.00092
Stddev	.0059	.00012	.0046	-----	.00009
%RSD	.09816	14.719	.33446	-----	9.7900
#1	6.0485	.00071	1.3603	z 99.73	.00086
#2	6.0402	.00087	1.3667	z 99.73	.00099

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192461-A-1-A Acquired: 11/19/2021 2:04:40 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00173	-.00056	.00926	z *****
Stddev	.00155	.00016	.00018	-----
%RSD	89.948	29.141	1.9299	-----

#1	.00283	-.00067	.00914	z 328.0
#2	.00063	-.00044	.00939	z 327.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3373.0	2461.1	64765.	3727.8
Stddev	4.3	4.6	481.	24.3
%RSD	.12712	.18765	.74271	.65225

#1	3370.0	2457.9	65105.	3745.0
#2	3376.1	2464.4	64425.	3710.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	77.999%	92.416%	86.572%	92.242%
Range				

Sample Name: MB 480-605471/1-A Acquired: 11/19/2021 2:08:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	-0.00728	-0.00189	-0.00110	.00000
Stddev	.00026	.00233	.00087	.00008	.00001
%RSD	673.64	32.013	45.800	7.3580	159.82
#1	-0.00022	-0.00893	-0.00250	-0.00104	-0.00000
#2	.00014	-0.00563	-0.00128	-0.00116	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00011	.01333	-0.00004	.0036	.00010
Stddev	.00004	.00071	.00001	.0242	.00021
%RSD	41.980	5.3152	31.443	663.8	215.77
#1	-0.00014	.01383	-0.00003	.0207	.00025
#2	-0.00007	.01283	-0.00005	-.0135	-0.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00015	.00015	.00201	.02540	.00015
Stddev	.00005	.00001	.00221	.00871	.00066
%RSD	35.935	5.0805	109.61	34.269	453.23
#1	-0.00019	.00015	.00358	.01925	.00061
#2	-0.00011	.00014	.00045	.03156	-0.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605471/1-A Acquired: 11/19/2021 2:08:38 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00014	-.00366	.09784	-.00029
Stddev	.00050	.00000	.00007	.00118	.00002
%RSD	95.006	.49802	2.0467	1.2051	7.4688
#1	.00017	.00014	-.00361	.09700	-.00031
#2	.00088	.00014	-.00372	.09867	-.00028

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00042	.0135	-.00228	-.00320
Stddev	-----	.00059	.0021	.00147	.00153
%RSD	-----	141.11	15.48	64.460	47.759
#1	z 136.6	-.00083	.0120	-.00124	-.00429
#2	z 135.0	-.00000	.0150	-.00332	-.00212

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.00581	.00012	.00000	z *****	-.00023
Stddev	.01029	.00005	.00004	-----	.00012
%RSD	176.92	41.350	1417.8	-----	53.068
#1	-.01309	.00009	-.00002	z 86.90	-.00031
#2	.00146	.00016	.00003	z 85.15	-.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: MB 480-605471/1-A Acquired: 11/19/2021 2:08:38 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00005	-.00022	-.00088	z *****
Stddev	.00071	.00026	.00034	-----
%RSD	1324.4	119.72	38.061	-----

#1	-.00045	-.00040	-.00112	z 322.9
#2	.00055	-.00003	-.00065	z 319.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4472.5	2852.1	77496.	3924.5
Stddev	5.2	.0	33.	15.9
%RSD	.11693	.00148	.04238	.40606

#1	4468.9	2852.2	77473.	3913.2
#2	4476.2	2852.1	77519.	3935.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.42%	107.10%	103.59%	97.109%
Range				

Sample Name: LCS 480-605471/2-A Acquired: 11/19/2021 2:12:29 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04840	9.7252	.19866	.19316	.21384
Stddev	.00061	.0080	.00178	.00035	.00019
%RSD	1.2676	.08191	.89834	.18240	.08955
#1	.04796	9.7309	.19992	.19340	.21397
#2	.04883	9.7196	.19740	.19291	.21370

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20900	10.068	.19254	.0119	.19524
Stddev	.00016	.013	.00059	.0320	.00027
%RSD	.07493	.12776	.30868	268.8	.13575
#1	.20889	10.077	.19296	-.0107	.19542
#2	.20911	10.059	.19212	.0345	.19505

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19739	.19518	10.344	9.9332	.19511
Stddev	.00055	.00004	.019	.0336	.00085
%RSD	.27746	.01842	.18196	.33848	.43595
#1	.19778	.19516	10.357	9.9094	.19451
#2	.19701	.19521	10.331	9.9569	.19571

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605471/2-A Acquired: 11/19/2021 2:12:29 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.241	.21002	.20459	9.6133	.19727
Stddev	.001	.00021	.00020	.0263	.00001
%RSD	.00834	.10213	.09920	.27349	.00335

#1	10.242	.21017	.20445	9.5947	.19728
#2	10.241	.20986	.20474	9.6319	.19727

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19642	8.977	.20226	.18669
Stddev	-----	.00035	.029	.00020	.00231
%RSD	-----	.18071	.3254	.09875	1.2389

#1	z 158.8	.19667	8.997	.20212	.18506
#2	z 159.0	.19617	8.956	.20240	.18833

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.2966	.18780	.20136	z *****	.20254
Stddev	.0343	.00086	.00006	-----	.00026
%RSD	.36918	.45709	.02850	-----	.13047

#1	9.2723	.18840	.20140	z 88.20	.20273
#2	9.3209	.18719	.20132	z 88.27	.20236

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: LCS 480-605471/2-A Acquired: 11/19/2021 2:12:29 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20812	.19954	.19875	z *****
Stddev	.00127	.00072	.00182	-----
%RSD	.60936	.36269	.91653	-----

#1	.20902	.20006	.19746	z 366.6
#2	.20723	.19903	.20004	z 367.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4169.6	2804.0	75908.	3991.7
Stddev	6.1	5.2	100.	5.2
%RSD	.14697	.18590	.13112	.13129

#1	4165.3	2800.3	75978.	3995.4
#2	4174.0	2807.7	75838.	3988.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.420%	105.29%	101.47%	98.771%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 2:16:07 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93371	9.5592	.95506	.95687	z *****	.98467	1.0042	.97897
Stddev	.00031	.0085	.00278	.00167	----	.00288	.0057	.00037
%RSD	.03286	.08888	.29075	.17465	----	.29227	.57216	.03775
#1	.93393	9.5531	.95702	.95569	z 248.0	.98671	1.0082	.97923
#2	.93349	9.5652	.95310	.95805	z 244.7	.98264	1.0001	.97871

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.97865	z *****
Stddev	.00117	----
%RSD	.12002	----
#1	.97948	z 2761.
#2	.97782	z 2767.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3829.9	2772.0	72179.	3934.2
Stddev	8.9	.3	202.	3.2
%RSD	.23263	.01201	.27926	.08215
#1	3823.6	2772.3	72322.	3936.5
#2	3836.2	2771.8	72037.	3931.9

Sample Name: CCB-6785149 Acquired: 11/19/2021 2:19:42 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.01882	-.00119	-.00050	.00009	-.00010	.00226	-.00001
Stddev	.00010	.01884	.00055	.00033	.00001	.00002	.00038	.00001
%RSD	54.192	100.10	46.608	64.626	12.478	19.438	16.870	85.592
#1	.00011	.03215	-.00080	-.00027	.00008	-.00012	.00199	-.00000
#2	.00024	.00550	-.00158	-.00074	.00010	-.00009	.00253	-.00002

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	.00012	.00021	.00008	.00376	.00987	.00087	-.00060
Stddev	.0130	.00010	.00028	.00001	.00490	.02103	.00031	.00065
%RSD	200.2	84.078	137.28	15.928	130.23	213.12	35.877	108.57
#1	.0157	.00005	.00001	.00007	.00030	-.00500	.00109	-.00014
#2	-.0027	.00019	.00041	.00009	.00723	.02474	.00065	-.00106

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00002	.00321	.02896	-.00067	z *****	.00013	-.0006	-.00045
Stddev	.00000	.00099	.00915	.00003	----	.00084	.0022	.00175
%RSD	6.7360	30.773	31.588	4.2250	----	663.07	400.0	391.29
#1	.00002	.00391	.03543	-.00069	z 138.2	.00072	.0010	-.00169
#2	.00003	.00252	.02249	-.00065	z 140.8	-.00047	-.0021	.00079

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 2:19:42 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00171	-.01507	-.00014	-.00000	z *****	.00016	-.00092	-.00028
Stddev	.00112	.00686	.00007	.00005	----	.00019	.00042	.00012
%RSD	65.502	45.494	47.175	4481.4	----	118.76	45.664	43.025
#1	.00251	-.01992	-.00009	.00003	z 86.95	.00030	-.00122	-.00019
#2	.00092	-.01023	-.00019	-.00003	z 86.20	.00003	-.00062	-.00036

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00011	z *****
Stddev	.00039	----
%RSD	348.59	----
#1	-.00039	z 323.1
#2	.00017	z 318.4

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4474.9	2873.7	77142.	3899.7
Stddev	.9	6.1	105.	4.1
%RSD	.01961	.21221	.13573	.10504
#1	4475.5	2869.3	77068.	3902.6
#2	4474.3	2878.0	77216.	3896.8

Sample Name: CCVL-6768474 Acquired: 11/19/2021 2:23:32 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00550	.16763	.01166	.01756	.00202	.00183	.50239	.00179
Stddev	.00021	.00824	.00124	.00032	.00003	.00009	.00235	.00006
%RSD	3.7624	4.9170	10.640	1.8298	1.6239	4.7036	.46829	3.5979
#1	.00564	.16180	.01254	.01734	.00200	.00189	.50405	.00183
#2	.00535	.17346	.01079	.01779	.00205	.00177	.50073	.00174

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.00368	.00388	.00951	.05073	.47521	.02760	.18738
Stddev	.0398	.00007	.00003	.00007	.00372	.00754	.00095	.00385
%RSD	400.8	1.9416	.76833	.76331	7.3359	1.5870	3.4581	2.0560
#1	.0381	.00363	.00385	.00956	.05336	.46987	.02827	.19010
#2	-.0182	.00373	.00390	.00946	.04810	.48054	.02692	.18466

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00327	.00833	.95909	.00914	z *****	.00852	.1710	.01879
Stddev	.00003	.00008	.00252	.00002	----	.00037	.0000	.00157
%RSD	.95516	.94309	.26309	.21931	----	4.3265	.0155	8.3690
#1	.00325	.00828	.96087	.00915	z 137.4	.00826	.1710	.01768
#2	.00329	.00839	.95730	.00912	z 137.8	.00878	.1710	.01990

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 2:23:32 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02034	.43525	.00937	.00483	z *****	.00474	.01933	.00465
Stddev	.00331	.00373	.00013	.00000	----	.00004	.00031	.00001
%RSD	16.252	.85807	1.3739	.07272	----	.91380	1.5896	.22624
#1	.01800	.43789	.00928	.00483	z 89.55	.00477	.01954	.00464
#2	.02268	.43261	.00946	.00483	z 85.90	.00471	.01911	.00466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01099	z *****
Stddev	.00017	----
%RSD	1.5281	----
#1	.01111	z 324.4
#2	.01087	z 319.6

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4434.1	2851.2	77398.	3945.8
Stddev	21.7	17.5	92.	43.3
%RSD	.49008	.61242	.11912	1.0971
#1	4418.7	2838.9	77464.	3915.1
#2	4449.5	2863.6	77333.	3976.4

Sample Name: 480-192429-B-1-A Acquired: 11/19/2021 2:27:23 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.06601	-.00063	.04525	.08219
Stddev	.00013	.00017	.00150	.00015	.00006
%RSD	153.87	.25118	237.33	.32159	.06919
#1	.00018	.06613	-.00169	.04514	.08224
#2	-.00001	.06589	.00043	.04535	.08215

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	41.480	.00015	.0201	.00008
Stddev	.00003	.011	.00004	.0053	.00001
%RSD	60.040	.02724	27.094	26.10	8.4777
#1	-.00006	41.472	.00012	.0164	.00009
#2	-.00003	41.488	.00018	.0238	.00008

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00084	.07882	4.4289	.00084
Stddev	.00005	.00019	.00231	.0233	.00042
%RSD	19.633	22.331	2.9345	.52596	50.008
#1	.00029	.00097	.07718	4.4124	.00054
#2	.00022	.00071	.08045	4.4454	.00114

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-1-A Acquired: 11/19/2021 2:27:23 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	7.1526	.03615	-.00298	26.024	-.00007
Stddev	.0095	.00005	.00012	.033	.00011
%RSD	.13239	.13357	3.8817	.12561	163.24
#1	7.1459	.03612	-.00306	26.001	-.00015
#2	7.1593	.03619	-.00290	26.047	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00003	8.975	-.00093	.00171
Stddev	-----	.00058	.030	.00088	.00097
%RSD	-----	1971.0	.3377	94.578	56.680
#1	z 296.7	-.00044	8.996	-.00031	.00239
#2	z 297.3	.00038	8.953	-.00155	.00102

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.2189	-.00082	.07741	z *****	.00179
Stddev	.0019	.00005	.00014	-----	.00069
%RSD	.08702	6.3172	.17823	-----	38.399
#1	2.2202	-.00078	.07731	z 87.90	.00131
#2	2.2175	-.00086	.07750	z 87.41	.00228

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-1-A Acquired: 11/19/2021 2:27:23 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00035	.00047	.00692	z *****
Stddev	.00030	.00006	.00016	-----
%RSD	85.823	12.941	2.3033	-----

#1	.00056	.00042	.00680	z 322.7
#2	.00014	.00051	.00703	z 325.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4089.9	2750.7	73907.	3958.1
Stddev	11.6	9.8	126.	.9
%RSD	.28328	.35538	.17045	.02279

#1	4081.7	2743.8	73818.	3957.5
#2	4098.1	2757.6	73997.	3958.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.577%	103.29%	98.793%	97.941%
Range				

Sample Name: 480-192429-B-2-A Acquired: 11/19/2021 2:31:10 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00000	.31560	-0.00291	.03843	.08637
Stddev	.00032	.00071	.00314	.00002	.00003
%RSD	96248.	.22402	107.90	.04741	.03724
#1	-0.00023	.31610	-0.00513	.03842	.08639
#2	.00023	.31510	-0.00069	.03844	.08635

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00011	40.665	.00008	.0123	.00013
Stddev	.00008	.108	.00006	.0097	.00015
%RSD	67.854	.26456	79.798	78.91	112.00
#1	-0.00017	40.741	.00003	.0054	.00003
#2	-0.00006	40.589	.00012	.0191	.00024

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.00086	.25869	4.8259	.00164
Stddev	.00011	.00060	.00105	.0357	.00101
%RSD	12.546	69.879	.40718	.74012	61.527
#1	.00079	.00043	.25794	4.8512	.00236
#2	.00094	.00128	.25943	4.8006	.00093

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-2-A Acquired: 11/19/2021 2:31:10 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.8193	.01411	-.00321	153.31	.00025
Stddev	.0050	.00009	.00031	.53	.00001
%RSD	.08522	.62861	9.5001	.34835	3.4095
#1	5.8228	.01417	-.00343	153.69	.00025
#2	5.8158	.01405	-.00300	152.94	.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00159	6.531	-.00102	-.00283
Stddev	-----	.00089	.026	.00017	.00248
%RSD	-----	55.819	.4025	16.713	87.647
#1	z 172.2	.00222	6.513	-.00114	-.00108
#2	z 172.3	.00096	6.550	-.00090	-.00458

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.1460	-.00067	.13385	z *****	.00437
Stddev	.0146	.00014	.00035	-----	.00058
%RSD	.67976	20.410	.25866	-----	13.244
#1	2.1563	-.00057	.13410	z 88.30	.00396
#2	2.1357	-.00076	.13361	z 87.02	.00478

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-2-A Acquired: 11/19/2021 2:31:10 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00052	.00026	.00120	z *****
Stddev	.00060	.00039	.00033	-----
%RSD	114.50	151.83	27.227	-----

#1	.00094	-.00002	.00144	z 331.5
#2	.00010	.00054	.00097	z 326.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3853.6	2695.6	70890.	3826.8
Stddev	5.3	4.0	184.	16.4
%RSD	.13818	.14790	.25896	.42731

#1	3849.8	2698.4	71020.	3838.4
#2	3857.3	2692.8	70760.	3815.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.111%	101.22%	94.759%	94.693%
Range				

Sample Name: 480-192429-B-3-A Acquired: 11/19/2021 2:35:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.04776	-0.00266	.03054	.09515
Stddev	.00031	.03010	.00059	.00008	.00023
%RSD	5387.5	63.008	22.049	.26556	.24556
#1	-0.0022	.02648	-0.00307	.03059	.09498
#2	.00021	.06904	-0.00224	.03048	.09531

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	43.217	.00004	.0030	-0.0013
Stddev	.00005	.246	.00001	.0076	.00006
%RSD	30.552	.56932	19.923	253.3	50.517
#1	-0.0012	43.391	.00004	.0084	-0.00008
#2	-0.0019	43.043	.00005	-0.0024	-0.00017

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00054	.02608	2.2491	.00017
Stddev	.00014	.00020	.00154	.0169	.00079
%RSD	63.109	36.803	5.8930	.75255	464.58
#1	.00012	.00068	.02717	2.2611	.00073
#2	.00032	.00040	.02499	2.2372	-0.00039

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-3-A Acquired: 11/19/2021 2:35:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.1479	.03242	-.00365	60.747	-.00005
Stddev	.0162	.00002	.00006	.309	.00015
%RSD	.19819	.06031	1.7181	.50787	281.72
#1	8.1594	.03241	-.00370	60.965	-.00016
#2	8.1365	.03243	-.00361	60.529	.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00022	5.085	-.00288	-.00318
Stddev	-----	.00015	.021	.00064	.00080
%RSD	-----	68.323	.4064	22.351	25.104
#1	z 180.4	.00032	5.100	-.00242	-.00374
#2	z 179.2	.00011	5.071	-.00333	-.00262

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.1585	-.00032	.08610	z *****	.00052
Stddev	.0054	.00078	.00055	-----	.00035
%RSD	.25068	247.75	.63962	-----	67.740
#1	2.1546	.00024	.08649	z 88.41	.00077
#2	2.1623	-.00087	.08571	z 91.71	.00027

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-3-A Acquired: 11/19/2021 2:35:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00020	.00019	-0.00104	z *****
Stddev	.00141	.00015	.00046	-----
%RSD	717.11	77.211	44.020	-----

#1	.00080	.00009	-0.00072	z 330.1
#2	-0.00120	.00030	-0.00136	z 329.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4009.8	2728.4	72774.	3776.1
Stddev	4.3	1.8	102.	3.9
%RSD	.10699	.06728	.13965	.10206

#1	4006.7	2727.1	72702.	3773.4
#2	4012.8	2729.7	72846.	3778.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.723%	102.45%	97.278%	93.438%
Range				

Sample Name: 480-192429-B-3-ASD@5 Acquired: 11/19/2021 2:38:50 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	.02404	-.00103	.00499	.01928
Stddev	.00045	.01462	.00183	.00031	.00000
%RSD	279.69	60.817	177.20	6.1964	.01417
#1	.00016	.03438	.00026	.00521	.01929
#2	-.00048	.01370	-.00233	.00477	.01928

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	8.5039	.00006	-.0235	.00004
Stddev	.00011	.0002	.00003	.0003	.00017
%RSD	142.94	.00225	55.954	1.312	374.70
#1	-.00016	8.5038	.00003	-.0233	-.00007
#2	.00000	8.5041	.00008	-.0237	.00016

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00003	.00483	.47243	.00079
Stddev	.00017	.00020	.00333	.01843	.00083
%RSD	77.029	755.16	68.990	3.9009	106.12
#1	.00010	.00016	.00247	.45940	.00138
#2	.00034	-.00011	.00719	.48546	.00020

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-3-ASD@5 Acquired: 11/19/2021 2:38:50 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.6243	.00659	-.00384	11.552	-.00036
Stddev	.0038	.00004	.00004	.008	.00018
%RSD	.23250	.58766	.91785	.06812	49.906
#1	1.6216	.00662	-.00387	11.558	-.00049
#2	1.6269	.00656	-.00382	11.547	-.00024

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00080	.9851	-.00154	-.00142
Stddev	-----	.00019	.0025	.00078	.00006
%RSD	-----	23.760	.2545	50.533	3.9024
#1	z 145.3	.00094	.9833	-.00209	-.00145
#2	z 147.0	.00067	.9869	-.00099	-.00138

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.39383	.00010	.01698	z *****	-.00023
Stddev	.00651	.00002	.00005	-----	.00005
%RSD	1.6530	23.503	.30764	-----	21.608
#1	.39844	.00012	.01694	z 84.46	-.00026
#2	.38923	.00008	.01702	z 84.76	-.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-3-ASD@5 Acquired: 11/19/2021 2:38:50 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00016	-.00003	-.00110	z *****
Stddev	.00006	.00009	.00007	-----
%RSD	35.027	347.82	6.2756	-----

#1	.00020	-.00009	-.00115	z 316.2
#2	.00012	.00004	-.00106	z 320.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4311.1	2811.6	76472.	3989.9
Stddev	6.1	12.0	170.	4.5
%RSD	.14155	.42538	.22211	.11247

#1	4306.8	2803.1	76592.	3986.7
#2	4315.5	2820.0	76352.	3993.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.692%	105.58%	102.22%	98.727%
Range				

Sample Name: 480-192429-B-3-APDS Acquired: 11/19/2021 2:42:38 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04727	9.4810	.20148	.22120	.28850
Stddev	.00022	.0095	.00229	.00020	.00128
%RSD	.46584	.10059	1.1354	.09261	.44305
#1	.04743	9.4742	.20310	.22135	.28941
#2	.04712	9.4877	.19986	.22106	.28760

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20423	50.805	.19090	.0151	.19393
Stddev	.00066	.248	.00030	.0125	.00017
%RSD	.32163	.48833	.15873	83.13	.08588
#1	.20376	50.630	.19112	.0239	.19405
#2	.20469	50.981	.19069	.0062	.19381

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19101	.19068	9.9748	11.779	.18885
Stddev	.00031	.00096	.0920	.044	.00166
%RSD	.16016	.50441	.92235	.37127	.87690
#1	.19123	.19136	9.9098	11.748	.18768
#2	.19080	.19000	10.040	11.810	.19002

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-3-APDS Acquired: 11/19/2021 2:42:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	17.850	.23304	.19845	67.909	.19440
Stddev	.008	.00024	.00003	.192	.00007
%RSD	.04652	.10343	.01689	.28265	.03531
#1	17.855	.23321	.19847	67.773	.19435
#2	17.844	.23287	.19843	68.045	.19445

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19461	14.11	.19718	.18391
Stddev	-----	.00196	.07	.00224	.00233
%RSD	-----	1.0092	.4675	1.1351	1.2648
#1	z 197.3	.19600	14.16	.19876	.18555
#2	z 196.6	.19322	14.06	.19560	.18227

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	11.331	.18946	.27604	z *****	.19814
Stddev	.054	.00140	.00110	-----	.00024
%RSD	.48034	.73719	.39802	-----	.11929
#1	11.292	.19045	.27526	z 90.17	.19797
#2	11.369	.18847	.27682	z 89.73	.19830

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-3-APDS Acquired: 11/19/2021 2:42:38 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20081	.19422	.19606	z *****
Stddev	.00085	.00033	.00021	-----
%RSD	.42575	.16876	.10631	-----

#1	.20020	.19445	.19591	z 394.2
#2	.20141	.19399	.19620	z 390.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3902.6	2700.4	72956.	3969.0
Stddev	4.5	.2	65.	14.8
%RSD	.11617	.00856	.08891	.37275

#1	3905.8	2700.2	73002.	3979.5
#2	3899.4	2700.6	72910.	3958.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.245%	101.40%	97.520%	98.211%
Range				

Sample Name: 480-192429-B-3-B MS Acquired: 11/19/2021 2:46:22 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04682	9.2400	.19333	.21428	.28724
Stddev	.00050	.0080	.00357	.00063	.00141
%RSD	1.0730	.08707	1.8474	.29478	.48980
#1	.04646	9.2343	.19585	.21473	.28624
#2	.04717	9.2457	.19080	.21383	.28823

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20121	51.620	.18509	.0049	.19041
Stddev	.00026	.246	.00031	.0121	.00008
%RSD	.12957	.47586	.16957	248.9	.04011
#1	.20103	51.446	.18531	.0135	.19036
#2	.20140	51.794	.18486	-.0037	.19047

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.18923	.18531	9.8438	11.677	.18794
Stddev	.00021	.00075	.0381	.077	.00043
%RSD	.11044	.40647	.38695	.65899	.22632
#1	.18908	.18584	9.8169	11.623	.18824
#2	.18937	.18478	9.8708	11.732	.18764

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-3-B MS Acquired: 11/19/2021 2:46:22 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	17.920	.23085	.19521	67.937	.19161
Stddev	.021	.00031	.00021	.273	.00011
%RSD	.11893	.13559	.10525	.40225	.05870
#1	17.905	.23063	.19507	67.744	.19153
#2	17.935	.23107	.19536	68.130	.19169

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19073	13.71	.19176	.17815
Stddev	-----	.00046	.06	.00015	.00254
%RSD	-----	.24337	.4383	.07788	1.4231
#1	z 200.7	.19041	13.75	.19165	.17636
#2	z 201.6	.19106	13.67	.19186	.17994

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	10.961	.18506	.27211	z *****	.19529
Stddev	.029	.00030	.00086	-----	.00026
%RSD	.26016	.16422	.31548	-----	.13467
#1	10.941	.18528	.27150	z 91.81	.19547
#2	10.981	.18485	.27272	z 89.65	.19510

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-3-B MS Acquired: 11/19/2021 2:46:22 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.19916	.19153	.19541	z *****
Stddev	.00169	.00046	.00173	-----
%RSD	.84721	.23930	.88527	-----

#1	.20036	.19185	.19419	z 356.5
#2	.19797	.19121	.19664	z 358.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3896.4	2715.6	72199.	3857.5
Stddev	2.3	6.9	194.	33.1
%RSD	.05882	.25453	.26929	.85791

#1	3894.8	2710.7	72336.	3880.9
#2	3898.1	2720.5	72061.	3834.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.102%	101.97%	96.509%	95.452%
Range				

Sample Name: 480-192429-B-3-C MSD Acquired: 11/19/2021 2:50:05 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04784	9.7978	.20248	.22595	.29839
Stddev	.00037	.0970	.00069	.00084	.00011
%RSD	.77389	.98960	.34138	.37216	.03628
#1	.04810	9.8663	.20297	.22535	.29847
#2	.04758	9.7292	.20199	.22654	.29831

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.21057	53.687	.19418	-.0220	.19724
Stddev	.00058	.198	.00007	.0131	.00005
%RSD	.27447	.36946	.03470	59.76	.02707
#1	.21098	53.827	.19423	-.0127	.19728
#2	.21016	53.547	.19414	-.0312	.19720

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19970	.19204	10.281	12.203	.19475
Stddev	.00093	.00007	.024	.036	.00036
%RSD	.46677	.03552	.23572	.29230	.18507
#1	.19904	.19199	10.298	12.229	.19449
#2	.20036	.19208	10.264	12.178	.19500

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-3-C MSD Acquired: 11/19/2021 2:50:05 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	18.480	.23794	.20431	70.474	.19736
Stddev	.043	.00020	.00021	.226	.00013
%RSD	.23454	.08280	.10218	.32008	.06587
#1	18.511	.23808	.20417	70.634	.19727
#2	18.450	.23780	.20446	70.315	.19746

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19794	14.33	.20270	.18482
Stddev	-----	.00052	.01	.00070	.00103
%RSD	-----	.26247	.0626	.34571	.55602
#1	z 201.9	.19831	14.32	.20221	.18409
#2	z 200.2	.19757	14.33	.20320	.18554

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	11.552	.19087	.28471	z *****	.20335
Stddev	.026	.00002	.00139	-----	.00144
%RSD	.22201	.01052	.48936	-----	.70680
#1	11.570	.19085	.28570	z 92.54	.20436
#2	11.534	.19088	.28373	z 92.59	.20233

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-3-C MSD Acquired: 11/19/2021 2:50:05 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20474	.20005	.20401	z *****
Stddev	.00030	.00005	.00018	-----
%RSD	.14772	.02313	.08965	-----

#1	.20453	.20002	.20414	z 363.9
#2	.20496	.20009	.20388	z 360.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3899.4	2700.4	71730.	3770.0
Stddev	12.3	9.3	224.	15.3
%RSD	.31517	.34379	.31224	.40545

#1	3890.7	2693.8	71889.	3759.2
#2	3908.1	2706.9	71572.	3780.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.172%	101.40%	95.882%	93.286%
Range				

Sample Name: 480-192429-B-4-A Acquired: 11/19/2021 2:53:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	-0.00159	-0.00305	.02807	.20945
Stddev	.00024	.00098	.00076	.00012	.00057
%RSD	317.37	61.514	24.951	.43012	.27134
#1	-0.00025	-0.00090	-0.00358	.02798	.20904
#2	.00010	-0.00228	-0.00251	.02815	.20985

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00006	102.52	.00017	.0148	-0.00007
Stddev	.00005	.56	.00003	.0011	.00000
%RSD	73.539	.54769	19.256	7.459	4.5694
#1	-0.00003	102.12	.00015	.0156	-0.00007
#2	-0.00010	102.92	.00019	.0140	-0.00006

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00043	.02734	1.8624	.00872
Stddev	.00017	.00008	.00036	.0242	.00077
%RSD	72.910	19.188	1.3177	1.2978	8.8126
#1	.00036	.00037	.02759	1.8795	.00926
#2	.00011	.00049	.02708	1.8453	.00818

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-4-A Acquired: 11/19/2021 2:53:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	23.379	.08336	-.00246	42.575	.00056
Stddev	.026	.00002	.00017	.086	.00025
%RSD	.10972	.01991	7.1140	.20205	44.100
#1	23.397	.08338	-.00233	42.515	.00039
#2	23.361	.08335	-.00258	42.636	.00073

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00016	16.14	-.00247	-.00372
Stddev	-----	.00049	.02	.00002	.00003
%RSD	-----	303.96	.1092	.98002	.84733
#1	z 170.0	-.00051	16.13	-.00245	-.00370
#2	z 169.8	.00019	16.15	-.00248	-.00374

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.9257	-.00073	.15211	z *****	.00065
Stddev	.0616	.00029	.00043	-----	.00002
%RSD	1.2505	40.332	.28578	-----	2.7541
#1	4.9693	-.00052	.15181	z 91.85	.00066
#2	4.8822	-.00093	.15242	z 88.90	.00064

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-4-A Acquired: 11/19/2021 2:53:49 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00106	.00006	-.00033	z *****
Stddev	.00049	.00022	.00028	-----
%RSD	46.458	370.39	83.623	-----

#1	.00071	.00022	-.00014	z 323.5
#2	.00140	-.00010	-.00053	z 328.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3927.3	2671.1	72574.	3872.7
Stddev	.7	2.6	44.	13.6
%RSD	.01885	.09612	.06115	.35202

#1	3927.8	2672.9	72605.	3882.4
#2	3926.7	2669.3	72542.	3863.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.815%	100.30%	97.010%	95.829%
Range				

Sample Name: 480-192429-B-5-A Acquired: 11/19/2021 2:57:36 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.19521	-.00099	.03408	.11345
Stddev	.00000	.00099	.00130	.00019	.00022
%RSD	12.969	.50897	131.16	.56083	.19736
#1	.00003	.19450	-.00191	.03421	.11361
#2	.00002	.19591	-.00007	.03394	.11329

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	74.689	.00011	.0085	-.00009
Stddev	.00013	.560	.00005	.0071	.00007
%RSD	64.655	.75009	40.697	83.49	84.866
#1	-.00028	75.086	.00014	.0135	-.00014
#2	-.00011	74.293	.00008	.0035	-.00003

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00152	.25814	3.1373	.00294
Stddev	.00021	.00057	.00209	.0233	.00001
%RSD	112.36	37.473	.80820	.74216	.42649
#1	.00004	.00111	.25962	3.1538	.00293
#2	.00034	.00192	.25667	3.1208	.00295

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-5-A Acquired: 11/19/2021 2:57:36 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	14.156	.11655	-.00341	129.69	.00061
Stddev	.006	.00010	.00010	.50	.00035
%RSD	.04221	.08512	2.8050	.38851	58.394
#1	14.152	.11662	-.00348	130.05	.00086
#2	14.160	.11648	-.00334	129.33	.00036

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00140	10.46	-.00173	-.00253
Stddev	-----	.00061	.01	.00028	.00082
%RSD	-----	43.867	.1319	16.183	32.456
#1	z 179.4	.00097	10.47	-.00193	-.00195
#2	z 179.2	.00184	10.45	-.00153	-.00311

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.6548	-.00090	.13877	z *****	.00264
Stddev	.0526	.00013	.00027	-----	.00027
%RSD	1.4390	14.390	.19213	-----	10.372
#1	3.6920	-.00099	.13896	z 89.97	.00245
#2	3.6177	-.00081	.13858	z 87.15	.00284

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-5-A Acquired: 11/19/2021 2:57:36 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00000	.00031	.01131	z *****
Stddev	.00219	.00001	.00052	-----
%RSD	50183.	1.6838	4.6071	-----

#1	.00155	.00031	.01168	z 320.0
#2	-.00155	.00032	.01094	z 321.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3830.0	2651.7	71344.	3892.7
Stddev	4.0	1.8	226.	20.1
%RSD	.10324	.06931	.31619	.51667

#1	3832.8	2653.0	71184.	3878.5
#2	3827.2	2650.4	71503.	3907.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	88.566%	99.572%	95.365%	96.324%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 3:01:23 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.95945	47.975	.94420	.94351	.94197	.98034	49.923	.93754
Stddev	.00069	.046	.00126	.00068	.00037	.00251	.063	.00112
%RSD	.07177	.09671	.13374	.07203	.03888	.25646	.12716	.11923
#1	.95994	47.943	.94509	.94399	.94223	.97857	49.878	.93833
#2	.95896	48.008	.94330	.94303	.94171	.98212	49.968	.93675

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9767	.96401	.98525	.95298	50.389	48.322	.93924	49.557
Stddev	.0318	.00123	.00476	.00023	.022	.093	.00272	.095
%RSD	3.258	.12740	.48356	.02373	.04383	.19285	.28964	.19100
#1	.9542	.96488	.98189	.95282	50.374	48.256	.94117	49.490
#2	.9992	.96314	.98862	.95314	50.405	48.388	.93732	49.624

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0041	.97033	47.290	.98552	z *****	.96806	22.78	.92634
Stddev	.0018	.00173	.024	.00053	----	.00193	.04	.00174
%RSD	.17630	.17877	.05001	.05389	----	.19987	.1650	.18772
#1	1.0029	.96911	47.273	.98589	z 11180.	.96943	22.80	.92757
#2	1.0054	.97156	47.306	.98514	z 11180.	.96669	22.75	.92511

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 3:01:23 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.92954	9.7064	.96822	.95385	z *****	.98292	.99614	.97974
Stddev	.00340	.0290	.00192	.00095	----	.00114	.00478	.00106
%RSD	.36615	.29871	.19826	.09950	----	.11636	.47964	.10800
#1	.93194	9.6859	.96958	.95318	z 241.8	.98211	.99952	.97900
#2	.92713	9.7269	.96686	.95452	z 239.9	.98373	.99277	.98049

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0101	z *****
Stddev	.0104	----
%RSD	1.0276	----
#1	1.0027	z 2637.
#2	1.0174	z 2647.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3838.6	2750.1	71535.	3756.4
Stddev	1.4	1.6	111.	1.2
%RSD	.03551	.05937	.15557	.03202
#1	3837.6	2749.0	71614.	3755.6
#2	3839.5	2751.3	71457.	3757.3

Sample Name: CCB-6785149 Acquired: 11/19/2021 3:04:58 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.02577	-.00216	-.00086	.00009	-.00009	.00185	-.00005
Stddev	.00044	.00066	.00064	.00012	.00001	.00004	.00467	.00002
%RSD	255.05	2.5699	29.641	13.463	13.559	51.060	252.17	41.783
#1	-.00014	.02530	-.00171	-.00094	.00010	-.00012	.00515	-.00007
#2	.00048	.02624	-.00261	-.00077	.00008	-.00006	-.00145	-.00004

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118	-.00007	.00007	.00008	.00560	.02749	.00122	.00074
Stddev	.0159	.00002	.00009	.00005	.00272	.01336	.00067	.00027
%RSD	135.1	28.344	137.65	63.989	48.622	48.614	55.005	36.166
#1	.0005	-.00006	.00000	.00011	.00753	.01804	.00074	.00055
#2	.0230	-.00009	.00013	.00004	.00368	.03694	.00169	.00093

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00001	.00319	.02560	-.00025	z *****	.00036	-.0010	-.00057
Stddev	.00003	.00086	.00893	.00011	----	.00050	.0010	.00006
%RSD	533.99	26.939	34.883	44.678	----	139.43	94.68	10.931
#1	.00002	.00380	.03192	-.00017	z 142.5	.00072	-.0017	-.00061
#2	-.00001	.00259	.01929	-.00033	z 140.2	.00001	-.0003	-.00052

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 3:04:58 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00178	-.00988	.00030	-.00005	z *****	.00017	.00014	-.00009
Stddev	.00071	.00045	.00004	.00000	----	.00005	.00015	.00017
%RSD	40.047	4.5357	13.554	6.1613	----	32.984	103.09	183.86
#1	.00229	-.00956	.00033	-.00005	z 89.20	.00013	.00025	-.00022
#2	.00128	-.01020	.00027	-.00005	z 88.50	.00020	.00004	.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00041	z *****
Stddev	.00001	----
%RSD	3.6598	----
#1	-.00040	z 335.1
#2	-.00042	z 330.6

Check ?	Chk Pass	None
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4463.6	2826.4	77110.	3854.6
Stddev	12.9	2.1	42.	22.3
%RSD	.28806	.07565	.05403	.57873
#1	4454.6	2827.9	77081.	3838.8
#2	4472.7	2824.9	77140.	3870.3

Sample Name: CCVL-6768474 Acquired: 11/19/2021 3:08:49 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00546	.18420	.01124	.01768	.00204	.00188	.49841	.00189
Stddev	.00010	.00024	.00001	.00030	.00001	.00001	.00315	.00002
%RSD	1.8866	.12808	.09260	1.6768	.72033	.47692	.63150	1.0508
#1	.00539	.18436	.01123	.01747	.00205	.00188	.49618	.00191
#2	.00553	.18403	.01125	.01789	.00203	.00189	.50064	.00188

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0080	.00382	.00380	.00947	.04753	.45828	.02688	.18940
Stddev	.0216	.00005	.00010	.00034	.00154	.00707	.00020	.00029
%RSD	269.7	1.4313	2.7255	3.6352	3.2354	1.5436	.73810	.15385
#1	-.0233	.00386	.00373	.00923	.04862	.46328	.02702	.18919
#2	.0073	.00378	.00388	.00971	.04644	.45327	.02674	.18961

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00318	.00831	.94921	.00907	z *****	.00969	.1724	.01869
Stddev	.00005	.00016	.00455	.00000	----	.00139	.0026	.00081
%RSD	1.4257	1.9567	.47939	.01145	----	14.298	1.514	4.3413
#1	.00314	.00843	.94599	.00907	z 138.7	.01067	.1743	.01927
#2	.00321	.00820	.95242	.00907	z 137.8	.00871	.1706	.01812

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 3:08:49 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02210	.42876	.00862	.00480	z *****	.00465	.01908	.00452
Stddev	.00031	.00281	.00004	.00001	----	.00002	.00052	.00012
%RSD	1.3809	.65572	.45801	.30435	----	.38660	2.7484	2.5445
#1	.02232	.43075	.00859	.00479	z 87.15	.00467	.01945	.00460
#2	.02188	.42678	.00865	.00481	z 87.30	.00464	.01871	.00444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01018	z *****
Stddev	.00002	----
%RSD	.17043	----
#1	.01019	z 325.0
#2	.01017	z 331.6

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4437.5	2819.7	78202.	3946.4
Stddev	4.6	1.2	172.	41.2
%RSD	.10291	.04425	.21999	1.0451
#1	4440.7	2818.8	78324.	3975.5
#2	4434.3	2820.6	78081.	3917.2

Sample Name: 480-192429-B-6-A Acquired: 11/19/2021 3:12:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00050	1.2737	.00053	.03945	.19369
Stddev	.00038	.0166	.00068	.00018	.00032
%RSD	77.187	1.3006	128.18	.46775	.16629
#1	-0.00023	1.2620	.00101	.03932	.19346
#2	-0.00077	1.2854	.00005	.03958	.19391

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00010	78.259	.00010	-0.0136	.00054
Stddev	.00000	.242	.00007	.0116	.00005
%RSD	2.5793	.30948	75.468	85.17	9.4660
#1	-0.00009	78.430	.00015	-0.0054	.00058
#2	-0.00010	78.087	.00005	-0.0218	.00051

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00289	.00293	1.7751	10.991	.01090
Stddev	.00023	.00041	.0009	.009	.00068
%RSD	7.8245	13.955	.04994	.08505	6.2162
#1	.00305	.00322	1.7757	10.998	.01042
#2	.00273	.00264	1.7744	10.985	.01138

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-6-A Acquired: 11/19/2021 3:12:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	19.762	.73396	.03099	52.764	.00223
Stddev	.068	.00070	.00011	.080	.00028
%RSD	.34193	.09525	.34643	.15185	12.580
#1	19.810	.73445	.03107	52.821	.00204
#2	19.714	.73346	.03092	52.708	.00243

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00056	19.13	-.00103	-.00358
Stddev	-----	.00132	.08	.00109	.00152
%RSD	-----	235.77	.4374	105.33	42.526
#1	z 183.1	-.00037	19.19	-.00026	-.00250
#2	z 184.8	.00149	19.07	-.00180	-.00465

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	7.1913	-.00038	.16354	z *****	.02883
Stddev	.0350	.00025	.00011	-----	.00127
%RSD	.48644	66.085	.06697	-----	4.4195
#1	7.1665	-.00056	.16361	z 88.52	.02793
#2	7.2160	-.00020	.16346	z 86.89	.02973

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-6-A Acquired: 11/19/2021 3:12:39 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00032	.00188	.01170	z *****
Stddev	.00040	.00012	.00033	-----
%RSD	124.05	6.2750	2.7913	-----

#1	-0.00004	.00196	.01193	z 326.5
#2	-0.00060	.00179	.01147	z 324.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3914.0	2666.3	72672.	3940.8
Stddev	1.1	.6	91.	15.4
%RSD	.02930	.02266	.12577	.39161

#1	3913.2	2665.9	72607.	3951.7
#2	3914.9	2666.7	72736.	3929.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.510%	100.12%	97.140%	97.512%
Range				

Sample Name: 480-192429-B-7-A Acquired: 11/19/2021 3:16:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.91490	.00023	.03818	.17754
Stddev	.00034	.01037	.00120	.00004	.00001
%RSD	123.97	1.1337	534.32	.09386	.00430
#1	.00003	.90757	-.00063	.03816	.17753
#2	.00052	.92224	.00108	.03821	.17754

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00005	79.687	.00011	.0360	.00109
Stddev	.00001	.062	.00007	.0365	.00004
%RSD	24.469	.07803	57.629	101.3	3.4276
#1	-.00004	79.731	.00007	.0618	.00106
#2	-.00006	79.643	.00016	.0102	.00112

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01896	.00372	1.6539	5.3356	.00515
Stddev	.00053	.00009	.0086	.0280	.00135
%RSD	2.8034	2.4888	.51865	.52573	26.175
#1	.01858	.00379	1.6600	5.3555	.00610
#2	.01933	.00366	1.6478	5.3158	.00420

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-7-A Acquired: 11/19/2021 3:16:25 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.576	.40611	-.00248	473.20	.02686
Stddev	.082	.00160	.00024	.29	.00016
%RSD	.77073	.39307	9.7030	.06151	.59555
#1	10.518	.40498	-.00265	473.40	.02675
#2	10.633	.40724	-.00231	472.99	.02697

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00230	8.032	-.00168	-.01064
Stddev	-----	.00094	.025	.00038	.00268
%RSD	-----	40.761	.3083	22.764	25.177
#1	z 211.1	.00163	8.049	-.00196	-.00875
#2	z 209.0	.00296	8.014	-.00141	-.01254

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.7885	-.00030	.20660	z *****	.01963
Stddev	.0316	.00016	.00035	-----	.00178
%RSD	.65978	55.259	.16870	-----	9.0900
#1	4.8108	-.00041	.20685	z 90.28	.01837
#2	4.7661	-.00018	.20636	z 90.11	.02089

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-7-A Acquired: 11/19/2021 3:16:25 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00013	.00181	.00546	z *****
Stddev	.00047	.00021	.00060	-----
%RSD	364.35	11.403	10.935	-----

#1	.00046	.00196	.00504	z 335.0
#2	-.00020	.00167	.00589	z 335.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3564.4	2579.1	67203.	3707.8
Stddev	.0	3.1	61.	8.6
%RSD	.00045	.11826	.09051	.23141

#1	3564.4	2577.0	67246.	3713.8
#2	3564.5	2581.3	67160.	3701.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	82.425%	96.847%	89.831%	91.746%
Range				

Sample Name: 480-192429-B-8-A Acquired: 11/19/2021 3:20:18 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00042	.30920	-0.00429	.02352	.08080
Stddev	.00014	.00266	.00040	.00073	.00022
%RSD	33.888	.85964	9.2509	3.0915	.26637
#1	-0.00032	.30732	-0.00401	.02301	.08065
#2	-0.00053	.31108	-0.00457	.02404	.08095

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	46.727	.00016	-.0468	.00014
Stddev	.00003	.050	.00000	.0017	.00013
%RSD	29.367	.10681	2.4709	3.556	90.583
#1	-0.00009	46.762	.00016	-.0456	.00023
#2	-0.00014	46.692	.00016	-.0480	.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00159	.00044	.38645	3.1939	.00250
Stddev	.00007	.00048	.00091	.0226	.00081
%RSD	4.3318	107.41	.23466	.70875	32.552
#1	.00164	.00011	.38581	3.2100	.00307
#2	.00155	.00078	.38709	3.1779	.00192

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-8-A Acquired: 11/19/2021 3:20:18 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.4822	.01984	-.00344	135.61	.00018
Stddev	.0032	.00007	.00011	.01	.00007
%RSD	.05825	.34721	3.3153	.00441	38.073
#1	5.4799	.01979	-.00336	135.62	.00013
#2	5.4844	.01989	-.00352	135.61	.00023

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00071	5.479	-.00210	-.00023
Stddev	-----	.00090	.016	.00087	.00158
%RSD	-----	127.06	.2974	41.381	696.15
#1	z 170.1	.00007	5.468	-.00271	-.00134
#2	z 169.2	.00135	5.491	-.00148	.00089

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.7456	-.00009	.13685	z *****	.00621
Stddev	.0102	.00005	.00016	-----	.00100
%RSD	.27213	59.453	.11704	-----	16.071
#1	3.7528	-.00005	.13696	z 88.56	.00551
#2	3.7384	-.00013	.13673	z 87.74	.00692

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-8-A Acquired: 11/19/2021 3:20:18 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00030	.00073	.00145	z *****
Stddev	.00030	.00002	.00041	-----
%RSD	98.542	3.1643	28.484	-----

#1	-0.00009	.00074	.00174	z 327.3
#2	-0.00052	.00071	.00116	z 325.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3883.1	2659.9	71674.	3859.3
Stddev	3.1	3.3	18.	7.7
%RSD	.07864	.12287	.02457	.20067

#1	3880.9	2657.6	71662.	3853.8
#2	3885.2	2662.2	71687.	3864.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.793%	99.881%	95.808%	95.495%
Range				

Sample Name: 480-192429-B-9-A Acquired: 11/19/2021 3:24:09 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.03241	-.00220	.02812	.12950
Stddev	.00011	.01055	.00099	.00027	.00046
%RSD	43.213	32.551	45.051	.94718	.35475
#1	.00033	.02495	-.00150	.02831	.12917
#2	.00018	.03987	-.00290	.02794	.12982

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	45.884	-.00002	.0279	.00005
Stddev	.00005	.183	.00002	.0111	.00011
%RSD	69.353	.39910	110.89	39.58	197.48
#1	-.00004	46.014	-.00000	.0358	-.00002
#2	-.00011	45.755	-.00003	.0201	.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00038	.04913	2.4421	.00156
Stddev	.00023	.00009	.00480	.0279	.00019
%RSD	61.910	24.339	9.7753	1.1439	11.880
#1	.00021	.00045	.05252	2.4223	.00143
#2	.00054	.00032	.04573	2.4618	.00169

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-9-A Acquired: 11/19/2021 3:24:09 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.7732	.00250	-.00333	66.406	.00019
Stddev	.0286	.00002	.00015	.221	.00028
%RSD	.32652	.61081	4.5778	.33313	150.62
#1	8.7530	.00248	-.00344	66.562	-.00001
#2	8.7935	.00251	-.00322	66.249	.00039

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00022	5.378	-.00253	-.00292
Stddev	-----	.00041	.007	.00061	.00194
%RSD	-----	185.84	.1378	24.284	66.498
#1	z 166.0	-.00051	5.372	-.00209	-.00155
#2	z 165.6	.00007	5.383	-.00296	-.00430

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.5876	-.00005	.08419	z *****	.00079
Stddev	.0300	.00035	.00007	-----	.00033
%RSD	1.1595	640.98	.07844	-----	42.320
#1	2.6088	.00019	.08415	z 89.01	.00055
#2	2.5663	-.00030	.08424	z 86.49	.00102

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-9-A Acquired: 11/19/2021 3:24:09 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00112	.00022	.00024	z *****
Stddev	.00079	.00042	.00003	-----
%RSD	70.710	197.12	11.545	-----

#1	.00056	-.00008	.00026	z 327.1
#2	.00168	.00051	.00022	z 320.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3988.3	2689.4	73128.	3922.8
Stddev	9.6	1.9	22.	10.9
%RSD	.24098	.07172	.02986	.27782

#1	3981.5	2688.0	73112.	3915.1
#2	3995.1	2690.7	73143.	3930.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	92.226%	100.99%	97.750%	97.068%
Range				

Sample Name: 480-192429-B-10-A Acquired: 11/19/2021 3:27:56 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	1.6342	-0.00290	.02223	.23942
Stddev	.00052	.0057	.00031	.00007	.00126
%RSD	579.07	.35115	10.569	.32419	.52618
#1	-0.00045	1.6383	-0.00268	.02218	.24031
#2	.00028	1.6301	-0.00312	.02228	.23853

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	84.253	.00027	.0158	.00091
Stddev	.00005	.105	.00008	.0008	.00019
%RSD	1430.7	.12446	28.349	5.116	20.637
#1	-0.00003	84.179	.00021	.0164	.00104
#2	.00004	84.327	.00032	.0152	.00078

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00286	.00342	1.9287	2.3587	.00661
Stddev	.00015	.00001	.0096	.0138	.00093
%RSD	5.3804	.26990	.49567	.58653	14.101
#1	.00297	.00343	1.9355	2.3685	.00727
#2	.00276	.00341	1.9220	2.3489	.00595

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-10-A Acquired: 11/19/2021 3:27:56 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	18.208	.39085	-.00343	44.961	.00212
Stddev	.019	.00022	.00017	.036	.00009
%RSD	.10396	.05730	4.8289	.08104	4.2802

#1	18.221	.39101	-.00355	44.986	.00206
#2	18.194	.39069	-.00332	44.935	.00219

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00229	12.43	-.00064	-.00399
Stddev	-----	.00009	.02	.00044	.00053
%RSD	-----	3.8113	.1919	69.137	13.341

#1	z 185.3	.00235	12.44	-.00096	-.00437
#2	z 185.8	.00223	12.41	-.00033	-.00362

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.1740	-.00017	.12265	z *****	.03098
Stddev	.0815	.00026	.00024	-----	.00599
%RSD	1.3208	148.61	.19924	-----	19.336

#1	6.2317	.00001	.12248	z 89.98	.02674
#2	6.1164	-.00035	.12282	z 89.15	.03521

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192429-B-10-A Acquired: 11/19/2021 3:27:56 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00027	.00262	.01723	z *****
Stddev	.00035	.00013	.00058	-----
%RSD	130.17	4.9632	3.3937	-----

#1	.00002	.00271	.01765	z 322.4
#2	.00051	.00253	.01682	z 323.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3934.2	2676.1	73199.	3920.2
Stddev	5.7	3.5	134.	14.3
%RSD	.14402	.13056	.18320	.36512

#1	3938.2	2673.7	73104.	3930.3
#2	3930.2	2678.6	73294.	3910.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	90.976%	100.49%	97.846%	97.002%
Range				

Sample Name: 480-192429-B-11-A Acquired: 11/19/2021 3:31:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00013	1.3582	-.00103	.03167	.18065
Stddev	.00017	.0206	.00176	.00003	.00015
%RSD	135.22	1.5158	170.43	.08959	.08373
#1	.00001	1.3436	-.00228	.03165	.18075
#2	.00025	1.3727	.00021	.03169	.18054

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	90.095	.00010	.0192	.00064
Stddev	.00003	.319	.00001	.0040	.00012
%RSD	27.463	.35452	8.8143	20.79	18.817
#1	-.00014	90.321	.00011	.0220	.00072
#2	-.00009	89.869	.00010	.0164	.00055

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00471	.00338	1.9576	3.5679	.00499
Stddev	.00004	.00000	.0060	.0210	.00139
%RSD	.94866	.08702	.30786	.58726	27.804
#1	.00467	.00338	1.9533	3.5530	.00401
#2	.00474	.00339	1.9618	3.5827	.00597

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192429-B-11-A Acquired: 11/19/2021 3:31:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	18.737	.17215	-.00361	96.049	.00390
Stddev	.067	.00082	.00010	.227	.00047
%RSD	.35588	.47813	2.6898	.23638	12.142
#1	18.690	.17157	-.00368	95.889	.00356
#2	18.785	.17274	-.00354	96.210	.00423

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00252	9.172	-.00212	-.00697
Stddev	-----	.00005	.021	.00042	.00041
%RSD	-----	1.9629	.2265	19.955	5.9261
#1	z 194.2	.00249	9.157	-.00242	-.00726
#2	z 193.4	.00256	9.186	-.00182	-.00668

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.6046	-.00034	.13566	z *****	.03169
Stddev	.0162	.00051	.00032	-----	.00053
%RSD	.28868	149.18	.23351	-----	1.6621
#1	5.5931	-.00070	.13588	z 94.03	.03206
#2	5.6160	.00002	.13543	z 92.01	.03131

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-11-A Acquired: 11/19/2021 3:31:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0014	.00217	.01175	z *****
Stddev	.00112	.00000	.00061	-----
%RSD	806.87	.12702	5.1884	-----

#1	-0.00093	.00218	.01131	z 344.1
#2	.00065	.00217	.01218	z 337.6

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3864.4	2668.1	71291.	3734.9
Stddev	2.0	5.4	109.	20.4
%RSD	.05230	.20380	.15247	.54733

#1	3865.9	2671.9	71214.	3720.5
#2	3863.0	2664.3	71368.	3749.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.362%	100.19%	95.295%	92.419%
Range				

Sample Name: 480-192429-B-12-A Acquired: 11/19/2021 3:35:30 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00003	.15319	-0.00437	.03958	.11706
Stddev	.00072	.01786	.00005	.00004	.00044
%RSD	2395.3	11.659	1.2403	.09428	.37532
#1	-0.00054	.14056	-0.00434	.03961	.11675
#2	.00048	.16582	-0.00441	.03955	.11737

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	91.944	.00008	-0.0121	-0.00016
Stddev	.00006	.385	.00000	.0010	.00006
%RSD	49.788	.41894	.86941	8.459	37.492
#1	-0.00016	92.216	.00008	-0.0128	-0.00021
#2	-0.00008	91.671	.00008	-0.0114	-0.00012

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00345	.00114	.16959	6.1747	.00382
Stddev	.00002	.00033	.00205	.0355	.00055
%RSD	.48082	28.843	1.2079	.57483	14.451
#1	.00344	.00091	.17104	6.1998	.00343
#2	.00346	.00137	.16814	6.1496	.00421

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-12-A Acquired: 11/19/2021 3:35:30 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	14.250	.00875	-.00364	181.82	-.00010
Stddev	.050	.00003	.00026	.72	.00003
%RSD	.34771	.28930	7.2116	.39541	30.247
#1	14.215	.00873	-.00382	182.33	-.00008
#2	14.285	.00876	-.00345	181.31	-.00012

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00009	8.346	-.00365	-.00622
Stddev	-----	.00077	.014	.00136	.00074
%RSD	-----	818.35	.1643	37.219	11.897
#1	z 167.7	.00064	8.337	-.00461	-.00675
#2	z 169.0	-.00045	8.356	-.00269	-.00570

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.2338	-.00008	.20478	z *****	.00427
Stddev	.0237	.00055	.00105	-----	.00036
%RSD	.55851	707.23	.51231	-----	8.5266
#1	4.2505	.00031	.20553	z 86.99	.00402
#2	4.2170	-.00047	.20404	z 90.83	.00453

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192429-B-12-A Acquired: 11/19/2021 3:35:30 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00033	.00046	.00100	z *****
Stddev	.00224	.00003	.00075	-----
%RSD	680.28	5.5010	74.990	-----

#1	.00191	.00047	.00047	z 324.3
#2	-.00125	.00044	.00154	z 321.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3761.7	2603.2	70776.	3919.8
Stddev	4.2	4.1	320.	10.2
%RSD	.11233	.15639	.45211	.25964

#1	3758.7	2600.4	71002.	3912.6
#2	3764.7	2606.1	70549.	3927.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	86.986%	97.752%	94.606%	96.994%
Range				

Sample Name: 480-192476-C-2-A Acquired: 11/19/2021 3:39:23 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	.00497	.00758	.00560	.00822
Stddev	.00015	.01758	.00097	.00003	.00001
%RSD	399.80	353.55	12.864	.61296	.09377
#1	-0.00015	.01741	.00826	.00557	.00822
#2	.00007	-.00746	.00689	.00562	.00823

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00012	18.142	.00010	-.0095	.00001
Stddev	.00004	.080	.00006	.0301	.00008
%RSD	34.292	.43872	60.760	315.8	810.44
#1	-0.00009	18.199	.00014	.0118	.00007
#2	-0.00015	18.086	.00006	-.0308	-.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00077	.00091	1.1896	.00138
Stddev	.00005	.00006	.00493	.0132	.00113
%RSD	18.084	7.4571	542.65	1.1096	82.141
#1	.00029	.00073	.00439	1.1802	.00058
#2	.00022	.00081	-.00258	1.1989	.00218

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-2-A Acquired: 11/19/2021 3:39:23 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.8540	.00413	.00358	15.352	-.00027
Stddev	.0087	.00001	.00015	.031	.00015
%RSD	.46889	.20518	4.0581	.20127	55.061
#1	1.8479	.00412	.00347	15.374	-.00016
#2	1.8601	.00413	.00368	15.330	-.00037

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00008	5.454	-.00122	-.00120
Stddev	-----	.00004	.000	.00043	.00007
%RSD	-----	49.547	.0022	35.061	6.1457
#1	z 187.5	-.00005	5.454	-.00092	-.00125
#2	z 189.5	-.00011	5.454	-.00153	-.00115

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.1484	-.00083	.05551	z *****	-.00006
Stddev	.0169	.00042	.00001	-----	.00004
%RSD	.32905	50.209	.01271	-----	68.985
#1	5.1604	-.00112	.05550	z 85.41	-.00009
#2	5.1364	-.00054	.05551	z 84.63	-.00003

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192476-C-2-A Acquired: 11/19/2021 3:39:23 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00026	.00023	.00126	z *****
Stddev	.00053	.00003	.00003	-----
%RSD	203.41	11.293	2.4850	-----

#1	.00064	.00021	.00129	z 324.5
#2	-.00011	.00025	.00124	z 321.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4236.4	2753.9	76092.	3975.2
Stddev	1.1	.2	17.	45.0
%RSD	.02540	.00827	.02254	1.1316

#1	4235.6	2753.7	76080.	3943.4
#2	4237.2	2754.1	76104.	4007.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.964%	103.41%	101.71%	98.365%
Range				

Sample Name: 480-192476-C-3-A Acquired: 11/19/2021 3:43:11 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00033	-.00783	.00057	.11920	.05497
Stddev	.00020	.01849	.00064	.00047	.00001
%RSD	60.006	236.10	113.08	.39136	.00949
#1	.00047	.00524	.00011	.11952	.05497
#2	.00019	-.02091	.00102	.11887	.05496

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	79.381	.00029	.0169	.00070
Stddev	.00001	.070	.00007	.0029	.00005
%RSD	13.445	.08813	25.325	17.33	6.4496
#1	-.00010	79.431	.00034	.0190	.00073
#2	-.00012	79.332	.00024	.0148	.00067

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00373	.09264	9.2962	.00044
Stddev	.00000	.00027	.00259	.0171	.00001
%RSD	2.7330	7.1499	2.7918	.18405	3.2496
#1	.00015	.00354	.09081	9.3083	.00043
#2	.00015	.00392	.09447	9.2842	.00045

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-3-A Acquired: 11/19/2021 3:43:11 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0736	.04084	.00269	19.006	.00022
Stddev	.0155	.00011	.00009	.007	.00004
%RSD	.30535	.27379	3.3758	.03450	17.082
#1	5.0626	.04076	.00263	19.011	.00020
#2	5.0845	.04092	.00276	19.002	.00025

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00087	18.96	.00087	.00022
Stddev	-----	.00064	.05	.00030	.00062
%RSD	-----	73.522	.2625	34.849	284.98
#1	z 177.9	-.00042	19.00	.00109	-.00022
#2	z 177.3	-.00132	18.93	.00066	.00066

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.2929	-.00056	.20529	z *****	.00018
Stddev	.0017	.00043	.00007	-----	.00002
%RSD	.04044	77.209	.03405	-----	9.5924
#1	4.2917	-.00087	.20524	z 86.86	.00017
#2	4.2941	-.00026	.20534	z 87.37	.00019

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-3-A Acquired: 11/19/2021 3:43:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00035	.00067	.00333	z *****
Stddev	.00002	.00001	.00048	-----
%RSD	6.7031	1.8728	14.336	-----

#1	-0.00033	.00068	.00300	z 318.3
#2	-0.00037	.00066	.00367	z 319.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4038.5	2711.3	73439.	3919.7
Stddev	5.0	10.2	37.	8.1
%RSD	.12459	.37776	.04976	.20617

#1	4034.9	2704.0	73414.	3925.4
#2	4042.0	2718.5	73465.	3914.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	93.387%	101.81%	98.167%	96.990%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 3:46:59 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96292	48.094	.94972	.94865	.94317	.98190	50.061	.94474
Stddev	.00068	.313	.01048	.00576	.00274	.00363	.237	.00311
%RSD	.07029	.65136	1.1038	.60683	.29037	.37020	.47343	.32944
#1	.96244	48.316	.94230	.94457	.94511	.98447	50.229	.94253
#2	.96340	47.873	.95713	.95272	.94123	.97933	49.893	.94694

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9869	.96843	.99317	.95424	50.671	48.260	.93942	49.843
Stddev	.0246	.00185	.00229	.00085	.318	.232	.00619	.089
%RSD	2.492	.19135	.23090	.08900	.62748	.48048	.65891	.17834
#1	1.004	.96974	.99154	.95364	50.896	48.424	.94379	49.780
#2	.9695	.96712	.99479	.95484	50.446	48.096	.93504	49.905

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0067	.97239	47.299	.98305	z *****	.97141	22.93	.93275
Stddev	.0020	.00437	.105	.00295	----	.00208	.10	.00511
%RSD	.19836	.44918	.22240	.30014	----	.21457	.4473	.54748
#1	1.0053	.96930	47.373	.98514	z 11120.	.97288	22.86	.92914
#2	1.0081	.97548	47.224	.98097	z 11160.	.96993	23.00	.93636

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 3:46:59 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93163	9.6761	.97112	.95219	z *****	.98386	.99825	.98378
Stddev	.00538	.0119	.00464	.00272	----	.00163	.00343	.00020
%RSD	.57752	.12293	.47766	.28585	----	.16601	.34380	.02006
#1	.92783	9.6845	.97440	.95411	z 242.2	.98271	1.0007	.98364
#2	.93544	9.6676	.96784	.95026	z 243.2	.98502	.99582	.98392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0240	z *****
Stddev	.0048	----
%RSD	.46656	----
#1	1.0206	z 2692.
#2	1.0274	z 2709.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3827.7	2729.9	71323.	3742.1
Stddev	10.0	.2	187.	12.5
%RSD	.26191	.00653	.26236	.33333
#1	3820.6	2729.7	71455.	3733.3
#2	3834.8	2730.0	71190.	3750.9

Sample Name: CCB-6785149 Acquired: 11/19/2021 3:50:34 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00025	-.00090	-.00148	-.00078	.00008	-.00008	.00053	.00004
Stddev	.00056	.00130	.00086	.00027	.00000	.00001	.00625	.00000
%RSD	221.29	144.22	57.989	34.784	3.8908	7.1139	1178.5	9.2288

#1	-0.00065	-0.00182	-0.00208	-0.00097	.00008	-0.00007	-.00389	.00004
#2	.00014	.00002	-0.00087	-0.00059	.00008	-0.00008	.00495	.00004

Check ?	Chk Pass							
High Limit								
Low Limit								

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0041	.00013	.00002	-.00009	.00671	-.00025	.00083	.00021
Stddev	.0013	.00007	.00028	.00028	.00181	.00026	.00040	.00150
%RSD	30.97	58.629	1113.5	301.35	26.923	102.83	48.080	733.07

#1	-0.0049	.00018	.00022	-0.00029	.00798	-0.00043	.00111	.00127
#2	-0.0032	.00007	-0.00017	.00010	.00543	-0.00007	.00055	-0.00086

Check ?	None	Chk Pass						
High Limit								
Low Limit								

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00006	.00343	.03012	-.00039	z *****	-.00074	-.0027	-.00095
Stddev	.00001	.00128	.00308	.00017	----	.00039	.0002	.00106
%RSD	14.827	37.471	10.211	43.331	----	52.771	8.374	110.97

#1	.00006	.00433	.03230	-0.00051	z 139.6	-0.00101	-0.0026	-0.00170
#2	.00007	.00252	.02795	-0.00027	z 140.4	-0.00046	-0.0029	-0.00020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB-6785149 Acquired: 11/19/2021 3:50:34 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00260	-.01170	.00025	-.00000	z *****	.00035	-.00020	-.00006
Stddev	.00296	.01627	.00027	.00000	----	.00002	.00077	.00017
%RSD	113.65	139.02	110.73	3.8076	----	5.0989	381.15	276.34
#1	.00470	-.00020	.00044	-.00000	z 89.10	.00036	-.00075	-.00018
#2	.00051	-.02321	.00005	-.00000	z 88.90	.00034	.00034	.00006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00022	z *****
Stddev	.00041	----
%RSD	185.18	----
#1	-.00007	z 322.8
#2	.00051	z 316.7

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4492.8	2836.0	77889.	3933.5
Stddev	6.9	7.6	365.	21.8
%RSD	.15380	.26822	.46803	.55490
#1	4487.9	2830.6	77631.	3918.1
#2	4497.7	2841.4	78146.	3949.0

Sample Name: CCVL-6768474 Acquired: 11/19/2021 3:54:24 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00571	.19008	.01315	.01686	.00199	.00183	.49913	.00185
Stddev	.00036	.00115	.00107	.00047	.00000	.00007	.00623	.00004
%RSD	6.3229	.60304	8.1657	2.8006	.03724	3.9972	1.2479	2.2472
#1	.00546	.18927	.01391	.01720	.00199	.00178	.50353	.00188
#2	.00597	.19089	.01239	.01653	.00199	.00188	.49472	.00182

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0051	.00369	.00386	.00950	.04594	.46637	.02656	.18947
Stddev	.0109	.00001	.00003	.00018	.00064	.00747	.00135	.00066
%RSD	213.2	.26166	.65113	1.9200	1.3989	1.6007	5.0686	.34978
#1	-.0129	.00370	.00388	.00963	.04639	.47165	.02751	.18994
#2	.0026	.00368	.00384	.00937	.04548	.46109	.02560	.18900

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00324	.00749	.93406	.00910	z *****	.00886	.1663	.01828
Stddev	.00001	.00021	.00124	.00000	----	.00083	.0002	.00122
%RSD	.38587	2.8454	.13283	.05207	----	9.3464	.1274	6.6497
#1	.00325	.00764	.93493	.00909	z 140.4	.00945	.1662	.01742
#2	.00323	.00734	.93318	.00910	z 139.2	.00828	.1665	.01914

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 3:54:24 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02080	.44557	.00870	.00466	z *****	.00484	.01807	.00469
Stddev	.00051	.00321	.00033	.00009	----	.00002	.00040	.00003
%RSD	2.4620	.71946	3.8303	1.8602	----	.35249	2.2049	.72760
#1	.02116	.44330	.00846	.00460	z 87.55	.00483	.01835	.00471
#2	.02044	.44783	.00893	.00472	z 87.75	.00486	.01778	.00466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01029	z *****
Stddev	.00066	----
%RSD	6.4215	----
#1	.00982	z 327.3
#2	.01076	z 323.7

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4458.5	2857.9	78144.	4002.4
Stddev	5.2	.3	126.	5.7
%RSD	.11594	.01181	.16174	.14246
#1	4454.8	2858.1	78054.	3998.4
#2	4462.1	2857.6	78233.	4006.4

Sample Name: 480-192476-C-4-A Acquired: 11/19/2021 3:58:14 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00080	.01782	.01048	.00384
Stddev	.00014	.03054	.00032	.00007	.00002
%RSD	49.071	3814.1	1.8129	.63861	.40254
#1	.00040	-.02079	.01760	.01044	.00383
#2	.00019	.02239	.01805	.01053	.00385

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	15.679	.00002	-.0224	-.00014
Stddev	.00003	.042	.00001	.0229	.00005
%RSD	31.160	.26474	89.002	102.5	37.253
#1	-.00011	15.709	.00001	-.0062	-.00018
#2	-.00007	15.650	.00003	-.0386	-.00011

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00014	.27039	1.4482	.00251
Stddev	.00016	.00032	.00564	.0055	.00050
%RSD	111.99	221.94	2.0846	.38077	19.771
#1	-.00003	-.00008	.27438	1.4521	.00216
#2	-.00025	.00037	.26640	1.4443	.00286

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-4-A Acquired: 11/19/2021 3:58:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.8828	.12826	.00887	18.725	-.00030
Stddev	.0041	.00042	.00013	.020	.00013
%RSD	.14299	.33007	1.4563	.10638	42.381
#1	2.8799	.12796	.00896	18.711	-.00021
#2	2.8857	.12856	.00878	18.739	-.00039

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00015	5.344	-.00194	-.00074
Stddev	-----	.00074	.029	.00041	.00055
%RSD	-----	508.02	.5463	21.275	74.432
#1	z 189.0	-.00038	5.365	-.00224	-.00035
#2	z 188.2	.00067	5.324	-.00165	-.00113

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.1178	-.00075	.06020	z *****	.00013
Stddev	.0138	.00073	.00005	-----	.00028
%RSD	.26952	97.400	.08735	-----	215.17
#1	5.1081	-.00127	.06024	z 86.22	-.00007
#2	5.1276	-.00023	.06016	z 86.41	.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192476-C-4-A Acquired: 11/19/2021 3:58:14 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00037	-0.00012	.00018	z *****
Stddev	.00019	.00016	.00029	-----
%RSD	51.833	132.32	154.87	-----

#1	-0.00024	-0.00024	-0.00002	z 322.4
#2	-0.00051	-0.00001	.00039	z 323.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4227.8	2769.9	75511.	3980.5
Stddev	3.8	.2	463.	2.8
%RSD	.09018	.00818	.61343	.07156

#1	4230.5	2769.7	75838.	3978.5
#2	4225.1	2770.0	75183.	3982.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.765%	104.01%	100.94%	98.496%
Range				

Sample Name: 480-192476-C-5-A Acquired: 11/19/2021 4:02:02 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.01125	-.00209	.00159	.00223
Stddev	.00008	.01671	.00042	.00039	.00001
%RSD	85.770	148.56	20.154	24.283	.33971
#1	.00016	-.00057	-.00239	.00187	.00223
#2	.00004	.02306	-.00180	.00132	.00222

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	2.7363	-.00002	.0136	-.00008
Stddev	.00003	.0060	.00002	.0098	.00005
%RSD	37.406	.21837	86.469	72.14	61.618
#1	-.00006	2.7405	-.00004	.0205	-.00005
#2	-.00010	2.7321	-.00001	.0066	-.00012

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00171	-.00110	.52852	.00164
Stddev	.00012	.00012	.00201	.00048	.00006
%RSD	35.633	6.8685	182.60	.09126	3.3772
#1	.00042	.00163	-.00253	.52886	.00167
#2	.00025	.00180	.00032	.52818	.00160

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-5-A Acquired: 11/19/2021 4:02:02 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.29481	.00025	-.00343	3.1586	-.00029
Stddev	.00174	.00006	.00012	.0016	.00004
%RSD	.58859	25.993	3.5513	.05034	14.139
#1	.29603	.00020	-.00351	3.1597	-.00026
#2	.29358	.00029	-.00334	3.1574	-.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00025	1.058	-.00140	-.00065
Stddev	-----	.00020	.004	.00155	.00128
%RSD	-----	81.501	.3284	110.55	195.88
#1	z 149.6	.00010	1.056	-.00249	-.00156
#2	z 148.3	.00039	1.061	-.00031	.00025

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.3028	.00002	.02975	z *****	-.00024
Stddev	.0127	.00038	.00003	-----	.00000
%RSD	.20072	1547.5	.09686	-----	1.7375
#1	6.2939	-.00024	.02973	z 85.35	-.00024
#2	6.3117	.00029	.02977	z 88.25	-.00024

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-5-A Acquired: 11/19/2021 4:02:02 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00026	-.00001	.00128	z *****
Stddev	.00065	.00024	.00008	-----
%RSD	250.33	1797.7	6.5323	-----

#1	-0.00020	-0.00018	.00134	z 322.3
#2	.00072	.00015	.00122	z 321.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4443.8	2818.2	77361.	3953.6
Stddev	7.6	2.2	119.	2.6
%RSD	.17150	.07735	.15325	.06674

#1	4438.5	2816.7	77445.	3951.7
#2	4449.2	2819.8	77278.	3955.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.76%	105.83%	103.41%	97.829%
Range				

Sample Name: 480-192476-C-6-A Acquired: 11/19/2021 4:05:51 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.09780	-.00305	.00481	.00511
Stddev	.00018	.00977	.00112	.00017	.00002
%RSD	218.25	9.9855	36.699	3.5783	.32675
#1	-.00004	.10470	-.00226	.00468	.00512
#2	.00021	.09089	-.00384	.00493	.00510

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	1.9962	.00007	-.0007	.00021
Stddev	.00007	.0016	.00009	.0070	.00011
%RSD	793.47	.08037	137.52	1007.	50.247
#1	.00004	1.9974	.00000	-.0057	.00028
#2	-.00006	1.9951	.00013	.0043	.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00022	.00192	.26118	.00083
Stddev	.00010	.00020	.00130	.03625	.00025
%RSD	1673.4	91.896	68.023	13.879	30.252
#1	.00008	.00036	.00099	.23554	.00065
#2	-.00007	.00008	.00284	.28681	.00100

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-6-A Acquired: 11/19/2021 4:05:51 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.28875	.01815	-.00370	2.3412	.00007
Stddev	.00082	.00002	.00009	.0011	.00005
%RSD	.28359	.10108	2.4874	.04829	72.941
#1	.28933	.01817	-.00364	2.3404	.00011
#2	.28817	.01814	-.00377	2.3420	.00004

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00035	1.103	-.00057	-.00184
Stddev	-----	.00013	.004	.00061	.00058
%RSD	-----	36.446	.3850	107.02	31.655
#1	z 136.2	.00043	1.106	-.00014	-.00143
#2	z 136.6	.00026	1.100	-.00100	-.00225

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.6897	-.00016	.02399	z *****	-.00011
Stddev	.0157	.00039	.00005	-----	.00021
%RSD	.42550	243.73	.22064	-----	188.33
#1	3.7008	-.00043	.02396	z 81.55	.00004
#2	3.6786	.00012	.02403	z 83.70	-.00026

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-6-A Acquired: 11/19/2021 4:05:51 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00022	-.00009	.00085	z *****
Stddev	.00080	.00011	.00005	-----
%RSD	358.73	128.09	5.9707	-----

#1	.00079	-.00001	.00088	z 305.7
#2	-.00034	-.00016	.00081	z 311.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4450.9	2838.7	78920.	4107.5
Stddev	8.6	3.0	41.	7.9
%RSD	.19397	.10502	.05187	.19316

#1	4457.0	2836.6	78949.	4101.8
#2	4444.8	2840.8	78891.	4113.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.92%	106.59%	105.49%	101.64%
Range				

Sample Name: 480-192476-C-7-A Acquired: 11/19/2021 4:09:41 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00942	-.00356	.00367	.00712
Stddev	.00019	.00805	.00098	.00029	.00001
%RSD	194.55	85.463	27.622	7.8840	.10623
#1	-.00004	.01511	-.00286	.00347	.00712
#2	.00023	.00373	-.00425	.00388	.00711

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	19.361	.00015	.0035	.00970
Stddev	.00007	.050	.00008	.0102	.00001
%RSD	74.542	.25930	48.621	288.5	.13477
#1	-.00005	19.396	.00010	.0108	.00971
#2	-.00015	19.325	.00021	-.0037	.00969

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00044	.00087	1.7093	.00553
Stddev	.00008	.00012	.00151	.0207	.00074
%RSD	25.082	26.118	174.47	1.2085	13.430
#1	.00038	.00036	-.00020	1.7239	.00501
#2	.00027	.00052	.00194	1.6947	.00606

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-7-A Acquired: 11/19/2021 4:09:41 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.3793	.19737	-.00376	8.4664	.01177
Stddev	.0078	.00077	.00016	.0118	.00011
%RSD	.22987	.39006	4.3447	.13903	.95043
#1	3.3848	.19791	-.00387	8.4747	.01169
#2	3.3738	.19683	-.00364	8.4581	.01185

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00068	7.911	-.00177	-.00171
Stddev	-----	.00074	.031	.00020	.00038
%RSD	-----	108.07	.3915	11.253	22.286
#1	z 157.7	.00121	7.933	-.00163	-.00144
#2	z 157.5	.00016	7.889	-.00191	-.00198

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.7184	-.00064	.18721	z *****	-.00008
Stddev	.0753	.00063	.00037	-----	.00008
%RSD	.77468	97.639	.19673	-----	105.49
#1	9.6652	-.00108	.18748	z 86.16	-.00002
#2	9.7717	-.00020	.18695	z 86.00	-.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-7-A Acquired: 11/19/2021 4:09:41 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00056	-.00008	.00729	z *****
Stddev	.00001	.00002	.00012	-----
%RSD	2.1337	25.425	1.6322	-----

#1	.00057	-.00007	.00738	z 320.5
#2	.00055	-.00010	.00721	z 314.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4278.3	2780.5	76611.	4024.6
Stddev	12.2	5.3	269.	14.0
%RSD	.28442	.18906	.35080	.34827

#1	4286.9	2784.2	76421.	4034.5
#2	4269.7	2776.8	76802.	4014.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.932%	104.41%	102.41%	99.585%
Range				

Sample Name: 480-192476-C-8-A Acquired: 11/19/2021 4:13:28 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	.07122	-0.00218	.00408	.01206
Stddev	.00022	.01405	.00197	.00012	.00001
%RSD	292.11	19.735	90.580	2.8997	.11012
#1	-0.00023	.06128	-0.00078	.00416	.01205
#2	.00008	.08115	-0.00357	.00399	.01207

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	2.1518	-0.00000	.0115	.00023
Stddev	.00001	.0016	.00001	.0016	.00013
%RSD	15.962	.07626	854.75	13.45	56.616
#1	-0.00004	2.1506	.00000	.0104	.00033
#2	-0.00005	2.1530	-0.00001	.0126	.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00139	.02129	.81016	.00094
Stddev	.00052	.00001	.00050	.01022	.00011
%RSD	223.56	.95443	2.3644	1.2619	11.513
#1	.00060	.00140	.02093	.80293	.00086
#2	-0.00013	.00138	.02164	.81739	.00101

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192476-C-8-A Acquired: 11/19/2021 4:13:28 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.34026	.00224	-.00379	5.4673	.00012
Stddev	.00120	.00006	.00009	.0169	.00000
%RSD	.35398	2.7530	2.3815	.30970	.38818
#1	.34111	.00229	-.00385	5.4553	.00012
#2	.33941	.00220	-.00372	5.4793	.00012

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00050	2.593	-.00118	-.00111
Stddev	-----	.00108	.006	.00073	.00080
%RSD	-----	215.35	.2519	61.325	72.262
#1	z 142.2	.00127	2.598	-.00170	-.00168
#2	z 142.9	-.00026	2.588	-.00067	-.00054

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.3631	-.00034	.01451	z *****	-.00010
Stddev	.0060	.00044	.00006	-----	.00002
%RSD	.25541	127.93	.43952	-----	18.847
#1	2.3588	-.00065	.01446	z 85.48	-.00009
#2	2.3674	-.00003	.01455	z 83.68	-.00012

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192476-C-8-A Acquired: 11/19/2021 4:13:28 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00005	.00000	.00191	z *****
Stddev	.00085	.00007	.00045	-----
%RSD	1688.1	2555.6	23.649	-----

#1	-0.00055	.00005	.00159	z 317.3
#2	.00065	-.00005	.00222	z 320.5

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4387.2	2837.8	77528.	3971.5
Stddev	.8	2.3	34.	7.1
%RSD	.01910	.07930	.04442	.17805

#1	4386.6	2836.2	77504.	3976.5
#2	4387.8	2839.4	77553.	3966.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	101.45%	106.56%	103.63%	98.272%
Range				

Sample Name: 480-192446-D-1-A Acquired: 11/19/2021 4:17:16 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.04041	-.00333	.01085	.08400
Stddev	.00002	.00641	.00188	.00015	.00009
%RSD	4.3839	15.872	56.393	1.3470	.10860
#1	.00049	.04494	-.00466	.01075	.08394
#2	.00052	.03587	-.00200	.01095	.08407

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00019	6.2364	.00014	.0280	.00555
Stddev	.00007	.0116	.00001	.0106	.00014
%RSD	38.065	.18642	10.132	37.82	2.4458
#1	.00014	6.2282	.00013	.0205	.00565
#2	.00024	6.2447	.00015	.0354	.00546

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00017	.00095	1.0858	.00507
Stddev	.00000	.00010	.00066	.0105	.00123
%RSD	.44546	60.200	69.750	.96598	24.337
#1	.00026	.00024	.00048	1.0784	.00594
#2	.00026	.00010	.00141	1.0932	.00420

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192446-D-1-A Acquired: 11/19/2021 4:17:16 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.8008	.08803	-.00391	19.999	.00365
Stddev	.0008	.00022	.00029	.035	.00008
%RSD	.01679	.25284	7.4327	.17373	2.2389
#1	4.8014	.08819	-.00411	19.974	.00360
#2	4.8002	.08787	-.00370	20.023	.00371

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00087	7.311	-.00171	-.00051
Stddev	-----	.00049	.031	.00038	.00132
%RSD	-----	55.833	.4193	21.919	258.58
#1	z 154.3	-.00122	7.289	-.00145	.00042
#2	z 154.6	-.00053	7.333	-.00198	-.00144

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.0368	.00002	.05059	z *****	-.00023
Stddev	.0179	.00006	.00010	-----	.00013
%RSD	.35530	290.49	.20698	-----	57.411
#1	5.0241	.00006	.05051	z 86.89	-.00013
#2	5.0495	-.00002	.05066	z 87.21	-.00032

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192446-D-1-A Acquired: 11/19/2021 4:17:16 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00010	.00002	.00209	z *****
Stddev	.00117	.00030	.00009	-----
%RSD	1134.7	1516.7	4.4112	-----

#1	-0.00073	.00023	.00202	z 326.6
#2	.00093	-0.0019	.00215	z 323.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4263.6	2786.6	75450.	3907.6
Stddev	8.8	2.7	25.	2.5
%RSD	.20733	.09647	.03376	.06504

#1	4257.3	2784.7	75432.	3909.4
#2	4269.8	2788.5	75468.	3905.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.593%	104.64%	100.85%	96.691%
Range				

Sample Name: MB 480-605464/1-A Acquired: 11/19/2021 4:21:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00986	-.00274	-.00141	.00001
Stddev	.00019	.01014	.00001	.00005	.00001
%RSD	53.563	102.87	.53556	3.3026	60.198
#1	.00048	.01703	-.00275	-.00145	.00001
#2	.00022	.00269	-.00273	-.00138	.00001

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.02909	.00002	-.0006	.00005
Stddev	.00000	.00207	.00008	.0040	.00017
%RSD	3.2639	7.1088	478.97	720.2	316.31
#1	-.00008	.03055	.00007	.0023	.00017
#2	-.00009	.02762	-.00004	-.0034	-.00007

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00018	.00184	-.01009	.00059
Stddev	.00008	.00004	.00015	.00924	.00030
%RSD	115.06	23.871	8.1134	91.548	51.222
#1	.00013	.00015	.00173	-.00356	.00038
#2	.00001	.00021	.00195	-.01662	.00080

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: MB 480-605464/1-A Acquired: 11/19/2021 4:21:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00220	.00017	-.00388	.02441	-.00040
Stddev	.00090	.00001	.00002	.00206	.00026
%RSD	40.874	4.0746	.45689	8.4214	63.836
#1	.00156	.00016	-.00387	.02586	-.00058
#2	.00283	.00017	-.00389	.02296	-.00022

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00031	.0015	-.00152	-.00096
Stddev	-----	.00096	.0029	.00033	.00178
%RSD	-----	311.58	187.4	21.987	186.02
#1	z 137.0	.00037	-.0005	-.00129	.00030
#2	z 137.7	-.00099	.0036	-.00176	-.00222

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	-.02074	-.00005	.00010	z *****	-.00012
Stddev	.00615	.00003	.00006	-----	.00005
%RSD	29.660	68.345	57.065	-----	40.277
#1	-.01639	-.00007	.00014	z 87.60	-.00016
#2	-.02509	-.00002	.00006	z 84.15	-.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: MB 480-605464/1-A Acquired: 11/19/2021 4:21:03 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00066	.00014	-0.00025	z *****
Stddev	.00064	.00002	.00045	-----
%RSD	97.313	14.802	176.16	-----

#1	-0.00020	.00016	.00006	z 318.8
#2	-0.00111	.00013	-0.00057	z 316.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4488.4	2866.4	79227.	4041.1
Stddev	.7	.1	85.	33.8
%RSD	.01558	.00393	.10774	.83711

#1	4488.9	2866.4	79288.	4017.2
#2	4487.9	2866.5	79167.	4065.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.79%	107.64%	105.90%	99.995%
Range				

Sample Name: LCS 480-605464/2-A Acquired: 11/19/2021 4:24:54 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04784	9.5750	.19615	.18822	.20883
Stddev	.00042	.1048	.00116	.00122	.00023
%RSD	.87519	1.0947	.59045	.64613	.10911
#1	.04754	9.5009	.19533	.18908	.20867
#2	.04813	9.6491	.19697	.18736	.20900

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20518	9.9366	.18864	.0172	.19068
Stddev	.00162	.0841	.00031	.0066	.00005
%RSD	.78868	.84611	.16189	38.18	.02420
#1	.20403	9.8772	.18886	.0126	.19064
#2	.20632	9.9961	.18843	.0219	.19071

Check ? **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19437	.19027	10.105	9.6108	.18902
Stddev	.00053	.00055	.055	.0275	.00164
%RSD	.27322	.28924	.54051	.28650	.86834
#1	.19399	.18988	10.066	9.5913	.18786
#2	.19475	.19066	10.144	9.6303	.19018

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: LCS 480-605464/2-A Acquired: 11/19/2021 4:24:54 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	10.043	.20474	.19929	9.3361	.19205
Stddev	.057	.00079	.00065	.0679	.00037
%RSD	.56732	.38604	.32428	.72702	.19312
#1	10.003	.20418	.19975	9.2881	.19179
#2	10.083	.20530	.19884	9.3841	.19232

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19169	8.802	.19935	.18267
Stddev	-----	.00116	.040	.00144	.00024
%RSD	-----	.60447	.4573	.72050	.13236
#1	z 160.9	.19087	8.831	.20037	.18250
#2	z 160.3	.19251	8.774	.19834	.18284

Check ? **None** **Chk Pass** **None** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	9.0756	.18379	.19645	z *****	.19711
Stddev	.0693	.00008	.00161	-----	.00092
%RSD	.76385	.04320	.81952	-----	.46722
#1	9.0266	.18373	.19531	z 87.62	.19646
#2	9.1246	.18384	.19759	z 89.20	.19777

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: LCS 480-605464/2-A Acquired: 11/19/2021 4:24:54 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20331	.19475	.19898	z *****
Stddev	.00125	.00121	.00122	-----
%RSD	.61698	.61906	.61137	-----

#1	.20242	.19390	.19811	z 390.2
#2	.20419	.19560	.19984	z 391.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4197.1	2810.5	75895.	3955.7
Stddev	6.5	2.2	419.	27.7
%RSD	.15475	.07936	.55268	.69932

#1	4201.7	2808.9	76192.	3975.3
#2	4192.5	2812.1	75599.	3936.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.056%	105.54%	101.45%	97.882%
Range				

Sample Name: 480-192174-C-22-B Acquired: 11/19/2021 4:28:32 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00019	.04301	-0.00190	.02877	.04823
Stddev	.00003	.00603	.00150	.00035	.00011
%RSD	14.338	14.026	79.001	1.2203	.22163
#1	-0.00021	.04728	-0.00084	.02902	.04816
#2	-0.00017	.03875	-0.00296	.02852	.04831

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00006	18.611	.00000	-0.0153	-0.00005
Stddev	.00001	.054	.00005	.0182	.00020
%RSD	11.479	.29246	1404.9	119.2	399.49
#1	-0.00006	18.650	-0.00003	-.0281	-0.00019
#2	-0.00005	18.573	.00004	-.0024	.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-0.00023	.03008	2.1236	.00254
Stddev	.00004	.00006	.00296	.0411	.00141
%RSD	859.37	27.515	9.8252	1.9357	55.597
#1	.00003	-0.00018	.02799	2.1527	.00354
#2	-0.00002	-0.00027	.03217	2.0946	.00154

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192174-C-22-B Acquired: 11/19/2021 4:28:32 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	8.8924	.00066	-.00271	23.507	.00000
Stddev	.0764	.00002	.00006	.059	.00007
%RSD	.85874	3.2985	2.3225	.25085	1923.5
#1	8.9464	.00067	-.00276	23.548	-.00005
#2	8.8384	.00064	-.00267	23.465	.00005

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00074	2.515	-.00165	.00032
Stddev	-----	.00081	.021	.00048	.00040
%RSD	-----	109.15	.8241	29.077	125.75
#1	z 158.3	.00017	2.529	-.00131	.00061
#2	z 156.8	.00131	2.500	-.00199	.00004

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.3064	-.00001	.07163	z *****	.00040
Stddev	.0286	.00034	.00020	-----	.00021
%RSD	.86639	2904.7	.27392	-----	51.327
#1	3.3266	-.00025	.07177	z 88.38	.00025
#2	3.2861	.00023	.07149	z 89.38	.00055

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192174-C-22-B Acquired: 11/19/2021 4:28:32 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00051	-0.00025	.00041	z *****
Stddev	.00127	.00018	.00027	-----
%RSD	245.97	72.270	66.298	-----

#1	.00038	-0.00012	.00022	z 330.7
#2	-0.00141	-0.00037	.00060	z 331.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4183.2	2787.7	74437.	3771.4
Stddev	5.6	.0	689.	11.7
%RSD	.13365	.00046	.92595	.31129

#1	4187.1	2787.7	73950.	3779.7
#2	4179.2	2787.7	74924.	3763.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	96.733%	104.68%	99.500%	93.322%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 4:32:20 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96224	47.807	.95921	.95402	.94314	.97981	49.685	.94439
Stddev	.00114	.155	.00236	.00005	.00261	.00386	.182	.00119
%RSD	.11844	.32461	.24630	.00504	.27676	.39424	.36691	.12600
#1	.96305	47.916	.95754	.95398	.94499	.98254	49.814	.94523
#2	.96144	47.697	.96088	.95405	.94129	.97708	49.557	.94355

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014	.96786	.98377	.95915	50.305	48.168	.94203	49.280
Stddev	.032	.00065	.00488	.00057	.380	.116	.00427	.224
%RSD	3.196	.06733	.49623	.05902	.75506	.24080	.45322	.45440
#1	1.037	.96740	.98722	.95875	50.574	48.250	.94505	49.438
#2	.9914	.96832	.98032	.95955	50.037	48.086	.93901	49.122

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0014	.97651	47.131	.98456	z *****	.96674	23.03	.93868
Stddev	.0033	.00397	.155	.00017	----	.00174	.03	.00280
%RSD	.32740	.40660	.32907	.01759	----	.18044	.1478	.29805
#1	1.0037	.97370	47.241	.98443	z 11280.	.96798	23.05	.94066
#2	.99907	.97932	47.021	.98468	z 11310.	.96551	23.00	.93670

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 4:32:20 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Ti1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.94447	9.6515	.96831	.95402	z *****	.98050	1.0017	.97812
Stddev	.00116	.0141	.00113	.00258	----	.00304	.0004	.00396
%RSD	.12239	.14644	.11685	.27035	----	.31016	.03562	.40495
#1	.94365	9.6415	.96911	.95584	z 245.8	.98265	1.0015	.98092
#2	.94528	9.6615	.96751	.95219	z 246.2	.97835	1.0020	.97532

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.99939	z *****
Stddev	.00758	----
%RSD	.75810	----
#1	1.0047	z 2769.
#2	.99403	z 2764.

Check ? **Chk Pass** None
 Value
 Range

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3859.4	2755.9	72637.	3867.0
Stddev	8.5	7.5	11.	1.7
%RSD	.22081	.27314	.01528	.04354
#1	3853.4	2750.6	72645.	3865.8
#2	3865.5	2761.3	72629.	3868.2

Sample Name: CCB-6785149 Acquired: 11/19/2021 4:35:55 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	.00350	-0.00157	-0.00095	.00008	-0.00009	.00091	.00011
Stddev	.00037	.00061	.00098	.00007	.00003	.00004	.00010	.00001
%RSD	363.94	17.537	62.748	6.9720	36.724	42.517	10.801	9.5172
#1	.00016	.00307	-0.00087	-0.00090	.00006	-0.00012	.00098	.00010
#2	-0.00036	.00394	-0.00226	-0.00100	.00010	-0.00006	.00084	.00011

Check ? **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0215	.00002	.00000	.00014	.00159	.01120	.00106	.00023
Stddev	.0152	.00003	.00024	.00009	.00003	.00435	.00177	.00023
%RSD	70.49	135.58	260760.	67.155	1.7102	38.873	166.74	101.77
#1	.0322	.00000	-0.00017	.00007	.00161	.01428	-0.00019	.00040
#2	.0108	.00005	.00017	.00020	.00157	.00812	.00231	.00006

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	-0.00000	.00283	.01114	-0.00023	z *****	-0.00026	-0.0010	-0.00069
Stddev	.00003	.00119	.00259	.00014	----	.00046	.0029	.00045
%RSD	1004.7	42.109	23.261	60.512	----	173.62	286.3	64.718
#1	.00002	.00367	.00931	-0.00033	z 140.3	.00006	-0.0031	-0.00037
#2	-0.00002	.00199	.01297	-0.00013	z 141.1	-0.00059	.0010	-0.00100

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 4:35:55 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00351	-.00902	-.00021	-.00000	z *****	.00022	-.00033	-.00016
Stddev	.00103	.00364	.00007	.00006	----	.00002	.00043	.00030
%RSD	29.347	40.307	35.841	4244.4	----	10.952	131.59	184.21
#1	.00423	-.01159	-.00015	-.00004	z 85.40	.00023	-.00002	-.00038
#2	.00278	-.00645	-.00026	.00004	z 86.00	.00020	-.00063	.00005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00005	z *****
Stddev	.00066	----
%RSD	1459.6	----
#1	.00042	z 315.1
#2	-.00051	z 318.1

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4496.4	2860.4	78646.	3984.8
Stddev	5.8	7.9	302.	15.1
%RSD	.12816	.27712	.38354	.37930
#1	4500.5	2866.0	78859.	3974.1
#2	4492.4	2854.8	78433.	3995.5

Sample Name: CCVL-6768474 Acquired: 11/19/2021 4:39:46 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00573	.19539	.01095	.01702	.00203	.00188	.50582	.00180
Stddev	.00039	.01167	.00027	.00007	.00002	.00008	.00156	.00002
%RSD	6.8138	5.9747	2.4815	.41129	.86952	4.3962	.30892	1.2489
#1	.00546	.20364	.01114	.01707	.00201	.00182	.50693	.00182
#2	.00601	.18713	.01076	.01697	.00204	.00194	.50472	.00178

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.00382	.00404	.00953	.04930	.46355	.02784	.19076
Stddev	.0158	.00006	.00008	.00025	.00101	.01782	.00036	.00046
%RSD	55480.	1.5105	1.9355	2.6626	2.0407	3.8439	1.3011	.24005
#1	-.0112	.00377	.00409	.00935	.04859	.45095	.02809	.19109
#2	.0112	.00386	.00398	.00971	.05001	.47615	.02758	.19044

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00339	.00764	.94167	.00916	z *****	.00978	.1620	.01742
Stddev	.00004	.00003	.00606	.00003	----	.00025	.0038	.00119
%RSD	1.1595	.38180	.64393	.32017	----	2.5059	2.351	6.8546
#1	.00342	.00766	.94596	.00914	z 140.5	.00996	.1593	.01658
#2	.00336	.00761	.93738	.00918	z 141.1	.00961	.1647	.01827

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 4:39:46 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.01909	.43542	.00973	.00476	z *****	.00478	.01987	.00474
Stddev	.00317	.00564	.00021	.00001	-----	.00010	.00054	.00012
%RSD	16.584	1.2948	2.1286	.23463	-----	2.0600	2.7279	2.5188
#1	.02132	.43941	.00959	.00477	z 90.05	.00471	.02025	.00466
#2	.01685	.43144	.00988	.00476	z 87.15	.00485	.01948	.00483

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01084	z *****
Stddev	.00045	-----
%RSD	4.1702	-----
#1	.01052	z 334.1
#2	.01116	z 328.7

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4454.3	2862.6	77671.	3918.4
Stddev	2.4	3.0	231.	32.0
%RSD	.05342	.10409	.29787	.81551
#1	4456.0	2860.5	77835.	3895.8
#2	4452.6	2864.7	77507.	3941.0

Sample Name: 480-192174-C-23-B Acquired: 11/19/2021 4:43:35 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.05248	-.00237	.00443	.03427
Stddev	.00009	.01104	.00034	.00035	.00007
%RSD	196.26	21.037	14.153	7.8268	.20322
#1	.00011	.06029	-.00261	.00468	.03432
#2	-.00002	.04467	-.00214	.00419	.03422

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00020	12.971	.00002	.0112	.00004
Stddev	.00001	.064	.00000	.0370	.00017
%RSD	3.3868	.49594	16.069	332.0	385.90
#1	-.00019	12.926	.00002	.0373	-.00008
#2	-.00020	13.017	.00002	-.0150	.00016

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00041	.05415	1.9352	.00242
Stddev	.00005	.00007	.00475	.0062	.00086
%RSD	146.56	17.400	8.7637	.31853	35.477
#1	-.00000	.00046	.05080	1.9308	.00303
#2	.00006	.00036	.05751	1.9395	.00181

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192174-C-23-B Acquired: 11/19/2021 4:43:35 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	6.3693	.00569	-.00324	16.708	-.00020
Stddev	.0142	.00000	.00011	.116	.00010
%RSD	.22277	.00983	3.3851	.69478	52.252
#1	6.3593	.00569	-.00332	16.626	-.00013
#2	6.3794	.00569	-.00316	16.790	-.00027

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00085	1.611	-.00204	-.00258
Stddev	-----	.00136	.002	.00055	.00012
%RSD	-----	160.96	.1408	26.921	4.7349
#1	z 151.4	-.00012	1.609	-.00243	-.00266
#2	z 151.7	.00181	1.612	-.00165	-.00249

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.9670	.00011	.04821	z *****	.00028
Stddev	.0119	.00041	.00036	-----	.00009
%RSD	.39981	376.91	.74089	-----	32.383
#1	2.9586	-.00018	.04796	z 86.65	.00021
#2	2.9754	.00039	.04847	z 87.11	.00034

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192174-C-23-B Acquired: 11/19/2021 4:43:35 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00023	-0.00026	.00181	z *****
Stddev	.00021	.00020	.00001	-----
%RSD	93.097	77.035	.39112	-----

#1	-0.00008	-0.00041	.00180	z 327.1
#2	-0.00038	-0.00012	.00181	z 327.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4224.2	2791.1	75122.	3858.3
Stddev	4.8	5.2	47.	15.7
%RSD	.11347	.18497	.06256	.40725

#1	4227.6	2794.8	75089.	3869.4
#2	4220.8	2787.5	75155.	3847.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	97.682%	104.81%	100.42%	95.472%
Range				

Sample Name: 480-192174-C-25-B Acquired: 11/19/2021 4:47:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00010	1.0797	-.00267	.02141	.05501
Stddev	.00030	.0142	.00118	.00053	.00008
%RSD	315.81	1.3116	44.328	2.4818	.14109

#1	-.00012	1.0897	-.00183	.02103	.05506
#2	.00031	1.0697	-.00351	.02179	.05495

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00000	69.711	.00013	.0179	.00146
Stddev	.00001	.445	.00007	.0046	.00010
%RSD	2044.2	.63835	55.055	25.63	6.6997

#1	.00001	70.025	.00017	.0211	.00139
#2	-.00001	69.396	.00008	.0146	.00153

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00140	.00340	1.2490	5.9583	.00453
Stddev	.00028	.00022	.0043	.0057	.00039
%RSD	19.780	6.4035	.34738	.09599	8.6660

#1	.00120	.00324	1.2520	5.9543	.00426
#2	.00160	.00355	1.2459	5.9624	.00481

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192174-C-25-B Acquired: 11/19/2021 4:47:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	17.051	.48746	-.00292	11.989	.00360
Stddev	.011	.00020	.00001	.034	.00011
%RSD	.06676	.04159	.39484	.28741	3.1944
#1	17.043	.48732	-.00291	12.013	.00368
#2	17.059	.48760	-.00292	11.965	.00352

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00122	9.225	-.00187	-.00341
Stddev	-----	.00068	.017	.00258	.00332
%RSD	-----	55.686	.1803	137.71	97.283
#1	z 213.4	.00170	9.214	-.00005	-.00576
#2	z 214.0	.00074	9.237	-.00370	-.00107

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.2290	-.00067	.35391	z *****	.02716
Stddev	.0203	.00010	.00060	-----	.00362
%RSD	.38837	15.604	.16839	-----	13.336
#1	5.2146	-.00060	.35433	z 90.11	.02972
#2	5.2434	-.00075	.35349	z 89.04	.02460

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192174-C-25-B Acquired: 11/19/2021 4:47:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00046	.00168	.00841	z *****
Stddev	.00094	.00031	.00049	-----
%RSD	205.29	18.566	5.8246	-----

#1	.00021	.00190	.00806	z 329.3
#2	-.00112	.00146	.00875	z 321.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4084.1	2750.3	75106.	3934.4
Stddev	.6	3.2	36.	17.1
%RSD	.01357	.11745	.04768	.43552

#1	4084.4	2748.0	75132.	3922.3
#2	4083.7	2752.6	75081.	3946.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	94.441%	103.28%	100.39%	97.354%
Range				

Sample Name: 480-192288-C-1-B Acquired: 11/19/2021 4:51:11 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0082	.13420	.20183	.00589	.81296
Stddev	.00001	.00163	.00163	.00022	.00077
%RSD	1.5845	1.2136	.80529	3.6701	.09454
#1	-0.0083	.13535	.20298	.00574	.81350
#2	-0.0081	.13304	.20068	.00604	.81241

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	12.667	.00008	-0.0184	.00033
Stddev	.00006	.054	.00008	.0044	.00007
%RSD	53.362	.42974	100.84	24.15	21.657
#1	-0.0014	12.629	.00002	-.0215	.00038
#2	-0.0006	12.706	.00013	-.0153	.00028

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00019	17.966	1.0308	.00800
Stddev	.00005	.00014	.036	.0190	.00003
%RSD	13.594	72.412	.20059	1.8406	.33693
#1	.00035	.00009	17.940	1.0174	.00801
#2	.00043	.00029	17.991	1.0442	.00798

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-1-B Acquired: 11/19/2021 4:51:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.8517	5.7982	-0.0313	10.054	.00068
Stddev	.0236	.0941	.00011	.007	.00001
%RSD	1.2748	1.6237	3.6422	.06774	1.6456
#1	1.8350	5.7316	-0.0321	10.049	.00067
#2	1.8683	5.8648	-0.0305	10.059	.00069

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00011	1.845	-0.0213	-0.00131
Stddev	-----	.00033	.007	.00007	.00121
%RSD	-----	300.02	.3836	3.3765	91.726
#1	z 516.0	-0.0012	1.850	-0.0218	-0.00046
#2	z 518.6	.00035	1.840	-0.0208	-0.00217

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.7425	-0.0024	.06394	z *****	.00160
Stddev	.0191	.00030	.00001	-----	.00229
%RSD	.51064	126.10	.01477	-----	143.09
#1	3.7290	-0.0045	.06394	z 84.63	-0.00002
#2	3.7560	-0.0003	.06395	z 86.63	.00322

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-1-B Acquired: 11/19/2021 4:51:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00064	.00016	.00109	z *****
Stddev	.00078	.00007	.00009	-----
%RSD	120.43	42.338	8.5234	-----

#1	-0.00119	.00011	.00102	z 314.8
#2	-0.00010	.00020	.00115	z 319.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4285.5	2843.6	76909.	4114.7
Stddev	2.2	1.7	530.	39.9
%RSD	.05181	.06044	.68918	.97020

#1	4284.0	2842.4	77283.	4142.9
#2	4287.1	2844.9	76534.	4086.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.100%	106.78%	102.80%	101.82%
Range				

Sample Name: 480-192288-C-2-B Acquired: 11/19/2021 4:55:08 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	.21601	-0.00030	.00705	.48206
Stddev	.00031	.02149	.00335	.00013	.00154
%RSD	257.36	9.9474	1132.2	1.8004	.32037
#1	-0.00034	.23120	-0.00266	.00696	.48097
#2	.00010	.20081	.00207	.00714	.48315

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00011	24.788	.00007	.0029	.00125
Stddev	.00002	.014	.00002	.0126	.00004
%RSD	21.100	.05531	34.019	439.5	2.9633
#1	-0.00009	24.797	.00005	.0117	.00122
#2	-0.00012	24.778	.00009	-0.0060	.00127

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00217	.00336	.40646	.89840	.00108
Stddev	.00030	.00038	.00278	.00927	.00025
%RSD	13.867	11.335	.68289	1.0314	23.591
#1	.00238	.00309	.40842	.90495	.00090
#2	.00196	.00363	.40450	.89185	.00126

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-2-B Acquired: 11/19/2021 4:55:08 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.0145	5.9359	-0.00363	3.4148	.00498
Stddev	.0008	.0127	.00006	.0010	.00025
%RSD	.01521	.21322	1.7893	.02977	4.9465

#1	5.0150	5.9269	-0.00358	3.4155	.00515
#2	5.0139	5.9448	-0.00368	3.4141	.00480

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00157	4.516	-0.00091	-0.00283
Stddev	-----	.00043	.010	.00097	.00222
%RSD	-----	27.134	.2294	106.52	78.308

#1	z 186.1	.00187	4.509	-0.0022	-0.00440
#2	z 185.0	.00127	4.523	-0.00159	-0.00126

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.0358	-0.00075	.13624	z *****	.00262
Stddev	.0023	.00002	.00041	-----	.00108
%RSD	.05684	2.9735	.29949	-----	41.322

#1	4.0374	-0.00073	.13653	z 87.60	.00339
#2	4.0341	-0.00077	.13595	z 86.76	.00186

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192288-C-2-B Acquired: 11/19/2021 4:55:08 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00068	.00065	.10171	z *****
Stddev	.00028	.00011	.00050	-----
%RSD	40.770	16.746	.49450	-----

#1	-0.00088	.00057	.10136	z 324.8
#2	-0.00048	.00072	.10207	z 328.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4291.7	2840.3	76372.	3924.1
Stddev	3.7	1.9	20.	7.1
%RSD	.08652	.06660	.02597	.18075

#1	4289.1	2838.9	76386.	3919.1
#2	4294.3	2841.6	76358.	3929.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.243%	106.65%	102.09%	97.101%
Range				

Sample Name: 480-192288-C-3-B Acquired: 11/19/2021 4:59:06 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00038	.06598	-0.00004	.00550	.35934
Stddev	.00040	.00066	.00048	.00001	.00107
%RSD	104.66	1.0066	1061.0	.13177	.29807
#1	-0.00010	.06551	.00029	.00550	.35858
#2	-0.00066	.06645	-0.00038	.00551	.36010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00009	24.258	.00016	.0001	.00035
Stddev	.00001	.175	.00001	.0076	.00017
%RSD	11.148	.72327	4.4993	9449.	49.161
#1	-0.00009	24.134	.00015	.0054	.00047
#2	-0.00008	24.382	.00016	-.0053	.00023

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.00091	.06639	.75934	.00729
Stddev	.00029	.00000	.00467	.00658	.00059
%RSD	57.203	.37319	7.0319	.86719	8.0333
#1	.00030	.00090	.06970	.75469	.00771
#2	.00071	.00091	.06309	.76400	.00688

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-3-B Acquired: 11/19/2021 4:59:06 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.3235	3.8366	-0.00393	2.0476	.00024
Stddev	.0069	.0066	.00007	.0137	.00023
%RSD	.12887	.17323	1.7507	.66742	94.971
#1	5.3186	3.8319	-0.00398	2.0379	.00041
#2	5.3283	3.8413	-0.00388	2.0572	.00008

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00054	3.755	-0.00160	-0.00239
Stddev	-----	.00053	.021	.00104	.00011
%RSD	-----	98.110	.5667	65.376	4.7227
#1	z 168.6	.00092	3.740	-0.00234	-0.00231
#2	z 169.2	.00017	3.770	-0.00086	-0.00247

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.6237	-0.00038	.04425	z *****	-0.00013
Stddev	.0303	.00006	.00021	-----	.00009
%RSD	.83666	14.446	.46604	-----	70.377
#1	3.6451	-0.00034	.04410	z 86.51	-0.00007
#2	3.6022	-0.00042	.04439	z 87.80	-0.00020

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-3-B Acquired: 11/19/2021 4:59:06 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00069	.00022	.01254	z *****
Stddev	.00091	.00023	.00082	-----
%RSD	131.44	104.07	6.5769	-----

#1	.00005	.00006	.01196	z 322.8
#2	.00134	.00038	.01312	z 326.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4318.5	2831.7	76455.	3978.1
Stddev	.9	2.5	280.	6.1
%RSD	.01973	.08730	.36623	.15457

#1	4319.1	2833.4	76653.	3982.4
#2	4317.9	2829.9	76257.	3973.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.862%	106.33%	102.20%	98.435%
Range				

Sample Name: 480-192288-C-4-B Acquired: 11/19/2021 5:03:05 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.06962	.00130	.00550	.39507
Stddev	.00015	.01538	.00140	.00016	.00051
%RSD	136.25	22.097	107.40	2.8377	.12952
#1	-0.0022	.05874	.00031	.00539	.39471
#2	-0.00000	.08050	.00229	.00561	.39544

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0022	24.322	.00018	.0148	.00045
Stddev	.00008	.058	.00002	.0148	.00005
%RSD	37.348	.23737	8.4511	99.89	12.151
#1	-0.0016	24.362	.00017	.0253	.00048
#2	-0.0028	24.281	.00019	.0044	.00041

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.00113	.06712	.75180	.00703
Stddev	.00012	.00012	.00049	.00062	.00029
%RSD	28.955	10.821	.72380	.08250	4.1263
#1	.00032	.00122	.06746	.75136	.00723
#2	.00048	.00104	.06677	.75224	.00682

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-4-B Acquired: 11/19/2021 5:03:05 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	5.2951	4.3345	-0.00393	2.0485	.00021
Stddev	.0024	.0039	.00006	.0060	.00011
%RSD	.04453	.09100	1.4556	.29036	50.897

#1	5.2968	4.3373	-0.00389	2.0443	.00029
#2	5.2935	4.3317	-0.00397	2.0527	.00013

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00109	3.818	-0.00216	-0.00258
Stddev	-----	.00031	.010	.00113	.00333
%RSD	-----	28.686	.2561	52.398	129.06

#1	z 167.3	.00087	3.811	-0.00136	-0.00494
#2	z 167.5	.00131	3.825	-0.00296	-0.00023

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.6374	.00002	.04425	z *****	-0.00031
Stddev	.0311	.00011	.00003	-----	.00011
%RSD	.85525	516.06	.07284	-----	34.276

#1	3.6594	.00010	.04428	z 88.67	-0.00023
#2	3.6154	-0.0006	.04423	z 87.57	-0.00038

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192288-C-4-B Acquired: 11/19/2021 5:03:05 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00030	.00011	.01432	z *****
Stddev	.00144	.00001	.00014	-----
%RSD	474.93	4.7958	.96103	-----

#1	.00071	.00011	.01441	z 324.3
#2	-0.00132	.00010	.01422	z 317.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4313.8	2818.7	77278.	3985.1
Stddev	4.1	3.6	22.	17.1
%RSD	.09570	.12853	.02804	.42973

#1	4316.7	2821.2	77263.	3973.0
#2	4310.9	2816.1	77293.	3997.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.754%	105.84%	103.30%	98.610%
Range				

Sample Name: 480-192288-C-5-D Acquired: 11/19/2021 5:07:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00037	.23746	.00146	.00339	.19733
Stddev	.00029	.01984	.00060	.00013	.00013
%RSD	79.158	8.3546	41.390	3.8174	.06340

#1	-0.00057	.25149	.00188	.00330	.19742
#2	-0.00016	.22343	.00103	.00348	.19724

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	25.628	.00026	.0208	.01300
Stddev	.00002	.030	.00004	.0005	.00001
%RSD	26.461	.11656	13.863	2.422	.09807

#1	-0.00006	25.607	.00023	.0205	.01300
#2	-0.00009	25.649	.00029	.0212	.01301

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00132	.32333	.89713	.00261
Stddev	.00020	.00002	.00085	.03873	.00076
%RSD	51.724	1.5195	.26178	4.3173	29.217

#1	.00024	.00131	.32273	.86974	.00207
#2	.00052	.00134	.32393	.92452	.00314

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192288-C-5-D Acquired: 11/19/2021 5:07:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.0091	5.9650	-0.00372	2.8262	.00611
Stddev	.0043	.0334	.00003	.0065	.00010
%RSD	.14262	.55986	.93149	.22881	1.5749
#1	3.0060	5.9414	-0.00374	2.8216	.00604
#2	3.0121	5.9886	-0.00369	2.8308	.00618

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00106	4.282	-0.00191	-0.00240
Stddev	-----	.00010	.028	.00053	.00305
%RSD	-----	9.4832	.6540	27.747	127.05
#1	z 199.9	.00099	4.262	-0.00229	-0.00455
#2	z 194.5	.00113	4.302	-0.00154	-0.00024

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.6501	-0.00059	.05257	z *****	.00394
Stddev	.0115	.00056	.00010	-----	.00085
%RSD	.31542	95.421	.19399	-----	21.622
#1	3.6420	-0.00098	.05264	z 91.65	.00333
#2	3.6582	-0.00019	.05250	z 91.01	.00454

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-5-D Acquired: 11/19/2021 5:07:03 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00008	.00050	.01193	z *****
Stddev	.00050	.00002	.00000	-----
%RSD	648.26	3.3506	.00364	-----

#1	-0.00043	.00049	.01193	z 334.3
#2	.00028	.00051	.01193	z 335.7

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4301.0	2823.7	75956.	3830.3
Stddev	15.3	.7	156.	3.2
%RSD	.35567	.02516	.20530	.08259

#1	4290.2	2824.2	76066.	3832.5
#2	4311.8	2823.2	75845.	3828.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.457%	106.03%	101.53%	94.778%
Range				

Sample Name: 480-192288-C-5-DSD@5 Acquired: 11/19/2021 5:10:56 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.05594	-.00008	-.00073	.03962
Stddev	.00028	.01202	.00150	.00009	.00008
%RSD	138.41	21.486	1963.4	12.813	.19373
#1	.00041	.06444	.00098	-.00066	.03967
#2	.00000	.04745	-.00114	-.00080	.03956

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	5.0511	-.00004	.0362	.00256
Stddev	.00008	.0269	.00002	.0387	.00002
%RSD	68.602	.53266	44.802	107.0	.72617
#1	-.00017	5.0701	-.00002	.0635	.00254
#2	-.00006	5.0321	-.00005	.0088	.00257

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00017	.06235	.17433	.00029
Stddev	.00005	.00018	.00135	.00066	.00010
%RSD	98.793	107.58	2.1688	.38098	35.037
#1	.00009	.00030	.06139	.17386	.00036
#2	.00002	.00004	.06330	.17480	.00022

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-5-DSD@5 Acquired: 11/19/2021 5:10:56 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.58379	1.2092	-.00396	.56504	.00102
Stddev	.00282	.0001	.00015	.00529	.00021
%RSD	.48330	.01165	3.7362	.93552	20.909
#1	.58578	1.2093	-.00406	.56878	.00087
#2	.58179	1.2091	-.00385	.56131	.00117

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00009	.8260	-.00054	-.00199
Stddev	-----	.00044	.0034	.00015	.00076
%RSD	-----	462.91	.4136	27.654	37.893
#1	z 151.0	-.00021	.8236	-.00043	-.00253
#2	z 150.0	.00040	.8285	-.00064	-.00146

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.68810	-.00015	.01041	z *****	.00070
Stddev	.01430	.00014	.00007	-----	.00036
%RSD	2.0778	96.313	.64738	-----	50.500
#1	.69821	-.00025	.01046	z 88.45	.00096
#2	.67799	-.00005	.01036	z 89.75	.00045

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-5-DSD@5 Acquired: 11/19/2021 5:10:56 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00034	.00002	.00189	z *****
Stddev	.00066	.00008	.00014	-----
%RSD	191.06	520.17	7.2141	-----

#1	-0.0012	-0.0004	.00198	z 328.0
#2	.00081	.00007	.00179	z 336.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4469.3	2870.7	77596.	3906.7
Stddev	3.9	.8	210.	48.0
%RSD	.08739	.02704	.27013	1.2288

#1	4472.0	2871.3	77448.	3872.8
#2	4466.5	2870.2	77744.	3940.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	103.35%	107.80%	103.72%	96.670%
Range				

Sample Name: 480-192288-C-5-DPDS Acquired: 11/19/2021 5:14:44 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04628	9.6228	.19851	.19246	.39307
Stddev	.00033	.0353	.00317	.00008	.00437
%RSD	.70792	.36723	1.5978	.04331	1.1127

#1	.04651	9.6478	.20076	.19252	.38998
#2	.04604	9.5978	.19627	.19240	.39617

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20189	33.646	.18875	.0201	.20284
Stddev	.00035	.076	.00036	.0119	.00022
%RSD	.17479	.22536	.19078	59.14	.10677

#1	.20164	33.700	.18900	.0286	.20300
#2	.20214	33.593	.18849	.0117	.20269

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19140	.19058	10.155	10.347	.18901
Stddev	.00135	.00080	.041	.011	.00005
%RSD	.70361	.42187	.40513	.10914	.02659

#1	.19044	.19115	10.184	10.355	.18897
#2	.19235	.19002	10.126	10.339	.18904

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192288-C-5-DPDS Acquired: 11/19/2021 5:14:44 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.650	5.8557	.19766	11.919	.19623
Stddev	.050	.0226	.00012	.040	.00006
%RSD	.39616	.38535	.05851	.33458	.02960
#1	12.615	5.8716	.19774	11.947	.19627
#2	12.686	5.8397	.19758	11.891	.19619

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19422	13.04	.18962	.17885
Stddev	-----	.00170	.01	.00022	.00454
%RSD	-----	.87503	.0902	.11816	2.5373
#1	z 213.0	.19302	13.05	.18978	.18206
#2	z 212.4	.19542	13.04	.18946	.17564

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	12.528	.18722	.24420	z *****	.19957
Stddev	.002	.00058	.00072	-----	.00123
%RSD	.01311	.30761	.29482	-----	.61739
#1	12.529	.18762	.24471	z 87.23	.19869
#2	12.526	.18681	.24369	z 88.85	.20044

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-5-DPDS Acquired: 11/19/2021 5:14:44 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20254	.19298	.20414	z *****
Stddev	.00187	.00059	.00121	-----
%RSD	.92118	.30382	.59512	-----

#1	.20386	.19257	.20328	z 396.4
#2	.20122	.19340	.20499	z 394.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4123.4	2786.2	75489.	4026.1
Stddev	2.2	8.1	350.	31.4
%RSD	.05315	.29243	.46362	.77949

#1	4121.9	2780.4	75737.	4003.9
#2	4125.0	2791.9	75242.	4048.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.351%	104.62%	100.91%	99.625%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 5:18:33 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96401	47.876	.95829	.94114	.93566	.98261	50.194	.93608
Stddev	.00036	.124	.00583	.00123	.00155	.00338	.189	.00289
%RSD	.03730	.25927	.60840	.13028	.16564	.34353	.37589	.30891
#1	.96426	47.789	.95417	.94201	.93456	.98022	50.060	.93813
#2	.96375	47.964	.96242	.94027	.93676	.98499	50.327	.93404

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.018	.97591	.99001	.95119	50.823	48.207	.93314	50.161
Stddev	.010	.00138	.00057	.00080	.047	.014	.00083	.107
%RSD	1.005	.14161	.05719	.08443	.09285	.02906	.08858	.21429
#1	1.011	.97689	.99042	.95176	50.789	48.197	.93255	50.237
#2	1.025	.97493	.98961	.95062	50.856	48.217	.93372	50.085

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0136	.97231	46.878	.99349	z *****	.97787	22.84	.92503
Stddev	.0022	.00072	.062	.00073	----	.00491	.07	.00183
%RSD	.22016	.07419	.13249	.07354	----	.50246	.3091	.19804
#1	1.0151	.97180	46.834	.99400	z 11350.	.98135	22.89	.92633
#2	1.0120	.97282	46.922	.99297	z 11320.	.97440	22.79	.92373

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 5:18:33 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93910	9.7544	.97909	.94723	z *****	.98547	1.0102	.98128
Stddev	.00480	.0156	.00348	.00185	----	.00152	.0014	.00226
%RSD	.51145	.15996	.35500	.19560	----	.15449	.13339	.23078
#1	.94250	9.7434	.98155	.94592	z 242.9	.98655	1.0111	.98288
#2	.93571	9.7654	.97663	.94854	z 246.3	.98440	1.0092	.97968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0256	z *****
Stddev	.0057	----
%RSD	.56062	----
#1	1.0297	z 2713.
#2	1.0215	z 2730.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3853.7	2776.3	72302.	3808.3
Stddev	1.5	4.3	101.	4.7
%RSD	.03812	.15630	.13933	.12228
#1	3854.7	2773.2	72230.	3811.6
#2	3852.6	2779.4	72373.	3805.0

Sample Name: CCB-6785149 Acquired: 11/19/2021 5:22:07 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00281	.00028	-.00096	.00008	-.00013	.00059	-.00005
Stddev	.00011	.00786	.00047	.00028	.00000	.00001	.00035	.00017
%RSD	44.434	279.32	170.10	29.384	5.4501	10.734	59.143	331.56
#1	.00016	-.00274	.00061	-.00115	.00009	-.00012	.00084	.00007
#2	.00031	.00837	-.00006	-.00076	.00008	-.00014	.00034	-.00017

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	.00004	.00000	-.00014	.00278	.02342	.00031	.00092
Stddev	.0128	.00001	.00012	.00011	.00271	.01168	.00011	.00227
%RSD	162.8	24.028	2931.1	77.705	97.527	49.875	36.151	247.44
#1	.0169	.00005	.00009	-.00006	.00086	.01516	.00038	-.00069
#2	-.0012	.00004	-.00008	-.00021	.00470	.03168	.00023	.00253

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00008	.00273	.00946	-.00026	z *****	.00022	-.0044	-.00012
Stddev	.00001	.00071	.00385	.00005	----	.00042	.0000	.00104
%RSD	13.063	26.007	40.659	17.967	----	190.40	1.079	900.76
#1	.00007	.00324	.01218	-.00023	z 142.1	-.00008	-.0044	.00062
#2	.00008	.00223	.00674	-.00030	z 142.0	.00052	-.0043	-.00085

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 5:22:07 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00052	-.02648	.00001	.00001	z *****	.00015	.00033	.00027
Stddev	.00115	.00202	.00009	.00004	----	.00019	.00095	.00006
%RSD	220.19	7.6482	641.04	257.90	----	124.58	291.33	20.809
#1	-.00029	-.02504	.00008	.00004	z 87.00	.00028	.00100	.00031
#2	.00133	-.02791	-.00005	-.00001	z 88.40	.00002	-.00035	.00023

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	-.00008	z *****
Stddev	.00008	----
%RSD	110.53	----
#1	-.00013	z 328.5
#2	-.00002	z 330.5

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4510.0	2892.3	78610.	3925.8
Stddev	6.0	4.3	68.	13.3
%RSD	.13208	.14827	.08624	.33870
#1	4514.2	2895.3	78658.	3935.2
#2	4505.7	2889.3	78563.	3916.4

Sample Name: CCVL-6768474 Acquired: 11/19/2021 5:25:58 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00608	.19473	W .01050	.01700	.00203	.00188	.50553
Stddev	.00010	.00777	.00051	.00006	.00001	.00006	.00049
%RSD	1.5884	3.9891	4.8439	.33492	.69275	3.4316	.09699
#1	.00601	.18924	.01014	.01696	.00202	.00192	.50518
#2	.00615	.20023	.01086	.01704	.00204	.00183	.50588

Check ? **Chk Pass** **Chk Pass** **Chk Warn** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range **.01500**
 -30.000%

Elem	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00188	.0122	.00382	.00396	.00966	.05331	.48163
Stddev	.00001	.0000	.00017	.00012	.00012	.00760	.00545
%RSD	.61241	.2220	4.4153	3.1469	1.2021	14.248	1.1316
#1	.00189	.0122	.00370	.00387	.00958	.04794	.48548
#2	.00187	.0122	.00394	.00405	.00974	.05868	.47777

Check ? **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2136
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.02749	.19262	.00342	.00788	.94081	.00903	z *****
Stddev	.00043	.00030	.00003	.00017	.00397	.00013	-----
%RSD	1.5727	.15827	1.0041	2.1860	.42170	1.4118	-----
#1	.02719	.19240	.00344	.00800	.94361	.00912	z 142.2
#2	.02780	.19283	.00340	.00776	.93800	.00894	z 139.3

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 5:25:58 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00919	.1658	.01699	.02101	.44182	.00948	.00480
Stddev	.00031	.0008	.00004	.00037	.00037	.00005	.00005
%RSD	3.3783	.4536	.24862	1.7829	.08269	.47870	1.1057
#1	.00897	.1664	.01696	.02127	.44156	.00945	.00484
#2	.00941	.1653	.01702	.02074	.44208	.00952	.00476

Check ?	Chk Pass						
Value							
Range							

Elem	Th2837	Ti3349	Tl1908	V_2924	Zn2062	Zr3438
Units	Cts/S	ppm	ppm	ppm	ppm	Cts/S
Avg	z *****	.00463	.01932	.00448	.01123	z *****
Stddev	-----	.00010	.00018	.00002	.00031	-----
%RSD	-----	2.1324	.91431	.51875	2.7570	-----
#1	z 87.20	.00470	.01920	.00450	.01101	z 329.2
#2	z 88.30	.00456	.01945	.00447	.01145	z 336.5

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4480.5	2894.4	77303.	3894.3
Stddev	12.5	2.8	356.	47.7
%RSD	.27847	.09577	.46104	1.2243
#1	4471.7	2896.3	77051.	3928.0
#2	4489.3	2892.4	77555.	3860.6

Sample Name: 480-192288-C-5-E MS Acquired: 11/19/2021 5:29:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04728	9.8472	.20144	.19645	.39132
Stddev	.00030	.0798	.00010	.00000	.00081
%RSD	.64222	.81026	.04904	.00062	.20729
#1	.04750	9.7907	.20151	.19645	.39074
#2	.04707	9.9036	.20137	.19645	.39189

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20819	35.458	.19242	.0024	.20546
Stddev	.00043	.052	.00001	.0105	.00063
%RSD	.20669	.14645	.00599	438.0	.30585
#1	.20850	35.494	.19243	-.0050	.20502
#2	.20789	35.421	.19241	.0098	.20591

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19669	.19339	10.404	10.711	.19409
Stddev	.00045	.00025	.045	.004	.00086
%RSD	.22981	.13081	.43413	.04088	.44149
#1	.19637	.19321	10.436	10.708	.19470
#2	.19701	.19357	10.372	10.714	.19349

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-5-E MS Acquired: 11/19/2021 5:29:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	13.048	5.3473	.20343	12.405	.19943
Stddev	.061	.0572	.00024	.020	.00004
%RSD	.47136	1.0696	.11953	.16066	.02083
#1	13.005	5.3069	.20325	12.419	.19940
#2	13.092	5.3878	.20360	12.391	.19946

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19766	13.47	.20050	.18386
Stddev	-----	.00069	.00	.00054	.00281
%RSD	-----	.34947	.0077	.26916	1.5299
#1	z 211.7	.19717	13.47	.20088	.18585
#2	z 215.9	.19815	13.47	.20012	.18187

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	12.899	.18904	.25287	z *****	.20239
Stddev	.112	.00086	.00076	-----	.00070
%RSD	.87113	.45257	.29964	-----	.34651
#1	12.820	.18844	.25234	z 90.08	.20190
#2	12.979	.18965	.25341	z 91.72	.20289

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-5-E MS Acquired: 11/19/2021 5:29:48 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20441	.19745	.20839	z *****
Stddev	.00085	.00049	.00143	-----
%RSD	.41373	.24740	.68460	-----

#1	.20501	.19710	.20738	z 392.0
#2	.20381	.19779	.20940	z 384.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4119.2	2788.6	75193.	3950.9
Stddev	12.6	11.4	296.	2.2
%RSD	.30608	.40846	.39367	.05597

#1	4110.3	2780.6	75402.	3949.3
#2	4128.1	2796.7	74984.	3952.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.255%	104.71%	100.51%	97.762%
Range				

Sample Name: 480-192288-C-5-F MSD Acquired: 11/19/2021 5:33:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.04753	9.7773	.20443	.19591	.39946
Stddev	.00060	.0399	.00094	.00017	.00232
%RSD	1.2643	.40842	.45884	.08545	.57968
#1	.04710	9.8055	.20510	.19603	.39782
#2	.04795	9.7491	.20377	.19579	.40110

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.20539	35.317	.19016	.0320	.20583
Stddev	.00090	.163	.00008	.0015	.00004
%RSD	.43872	.46088	.04194	4.680	.01706
#1	.20603	35.433	.19022	.0309	.20585
#2	.20475	35.202	.19011	.0330	.20580

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.19390	.19204	10.395	10.629	.19066
Stddev	.00079	.00036	.076	.057	.00038
%RSD	.40529	.18488	.73118	.53460	.19919
#1	.19334	.19230	10.449	10.670	.19039
#2	.19445	.19179	10.341	10.589	.19093

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-5-F MSD Acquired: 11/19/2021 5:33:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	12.957	5.9087	.20338	12.204	.19995
Stddev	.041	.0162	.00026	.102	.00003
%RSD	.31322	.27442	.12837	.83908	.01367

#1	12.928	5.9202	.20357	12.277	.19993
#2	12.986	5.8973	.20320	12.132	.19997

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.19479	13.44	.20063	.18805
Stddev	-----	.00052	.02	.00093	.00065
%RSD	-----	.26855	.1358	.46376	.34712

#1	z 212.1	.19516	13.43	.19997	.18851
#2	z 212.2	.19442	13.46	.20128	.18759

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	12.833	.18612	.24957	z *****	.20160
Stddev	.083	.00077	.00173	-----	.00010
%RSD	.64416	.41142	.69305	-----	.04982

#1	12.892	.18557	.25079	z 90.18	.20167
#2	12.775	.18666	.24834	z 90.82	.20153

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit					
Low Limit					

Sample Name: 480-192288-C-5-F MSD Acquired: 11/19/2021 5:33:37 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.20411	.19590	.20557	z *****
Stddev	.00124	.00032	.00116	-----
%RSD	.60942	.16233	.56343	-----

#1	.20499	.19612	.20475	z 365.4
#2	.20324	.19567	.20639	z 371.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4135.1	2809.6	76298.	3951.0
Stddev	2.7	.3	120.	30.6
%RSD	.06527	.01005	.15756	.77478

#1	4133.2	2809.4	76213.	3929.4
#2	4137.0	2809.8	76383.	3972.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	95.622%	105.50%	101.99%	97.765%
Range				

Sample Name: 480-192288-C-6-B Acquired: 11/19/2021 5:37:26 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00045	.03089	-.00149	.00717	.38858
Stddev	.00064	.00410	.00064	.00017	.00047
%RSD	142.44	13.260	42.851	2.4386	.12141
#1	-.00090	.02799	-.00104	.00705	.38825
#2	.00000	.03378	-.00195	.00730	.38891

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	20.189	.00073	.0247	.00084
Stddev	.00002	.094	.00008	.0191	.00008
%RSD	13.200	.46677	10.777	77.41	8.9595
#1	-.00014	20.122	.00079	.0112	.00079
#2	-.00017	20.255	.00068	.0383	.00090

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00068	.00131	.10939	1.7366	.00454
Stddev	.00004	.00024	.00295	.0218	.00005
%RSD	6.2622	18.106	2.6970	1.2559	1.0684
#1	.00071	.00147	.10730	1.7521	.00458
#2	.00065	.00114	.11148	1.7212	.00451

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-6-B Acquired: 11/19/2021 5:37:26 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.7337	6.7221	-0.0162	1.4075	.00450
Stddev	.0057	.0096	.00011	.0092	.00015
%RSD	.15298	.14255	6.4870	.65627	3.3539
#1	3.7297	6.7289	-0.0170	1.4010	.00440
#2	3.7378	6.7153	-0.0155	1.4140	.00461

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00143	2.189	-0.00228	-0.00042
Stddev	-----	.00012	.011	.00122	.00160
%RSD	-----	8.1554	.4869	53.499	382.70
#1	z 159.6	.00152	2.197	-0.00141	-0.00155
#2	z 158.8	.00135	2.182	-0.00314	.00071

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.1731	-0.00095	.06853	z *****	-0.00089
Stddev	.0284	.00003	.00026	-----	.00015
%RSD	.68054	3.4721	.37902	-----	16.300
#1	4.1530	-0.00092	.06835	z 87.15	-0.00079
#2	4.1932	-0.00097	.06871	z 87.07	-0.00099

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-6-B Acquired: 11/19/2021 5:37:26 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00127	-0.00012	.00493	z *****
Stddev	.00061	.00025	.00035	-----
%RSD	47.865	216.03	7.1568	-----

#1	-0.00170	-0.00029	.00468	z 327.6
#2	-0.00084	.00006	.00518	z 330.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4332.2	2857.5	76609.	3932.3
Stddev	.6	.6	24.	51.3
%RSD	.01403	.02232	.03130	1.3034

#1	4332.7	2857.9	76626.	3968.6
#2	4331.8	2857.0	76592.	3896.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.18%	107.30%	102.40%	97.303%
Range				

Sample Name: 480-192288-C-7-B Acquired: 11/19/2021 5:41:24 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.04609	-.00183	.00591	.04886
Stddev	.00003	.01504	.00074	.00025	.00006
%RSD	180.07	32.640	40.371	4.2758	.12616

#1	-.00004	.05673	-.00236	.00609	.04891
#2	.00000	.03545	-.00131	.00574	.04882

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	26.021	.00008	.0132	.00008
Stddev	.00005	.080	.00006	.0123	.00003
%RSD	38.058	.30836	83.514	93.17	41.303

#1	-.00018	25.964	.00003	.0045	.00011
#2	-.00011	26.078	.00012	.0220	.00006

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00189	.00113	.08811	1.1856	.00228
Stddev	.00008	.00015	.00275	.0095	.00046
%RSD	4.1158	12.979	3.1189	.80378	20.255

#1	.00184	.00123	.08617	1.1789	.00261
#2	.00195	.00102	.09005	1.1924	.00195

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192288-C-7-B Acquired: 11/19/2021 5:41:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.1119	.14384	-.00187	3.9214	.00102
Stddev	.0161	.00051	.00009	.0127	.00017
%RSD	.51658	.35176	4.9209	.32288	16.366
#1	3.1232	.14420	-.00181	3.9304	.00113
#2	3.1005	.14348	-.00194	3.9125	.00090

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00089	4.250	-.00239	-.00183
Stddev	-----	.00039	.004	.00017	.00158
%RSD	-----	44.555	.0983	7.1719	85.987
#1	z 178.2	.00116	4.253	-.00251	-.00072
#2	z 178.5	.00061	4.247	-.00227	-.00295

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.3037	-.00065	.06590	z *****	.00103
Stddev	.0121	.00027	.00034	-----	.00009
%RSD	.36611	41.771	.51579	-----	8.6258
#1	3.2952	-.00046	.06614	z 86.76	.00110
#2	3.3123	-.00084	.06566	z 87.78	.00097

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-7-B Acquired: 11/19/2021 5:41:24 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0014	-0.0023	.05220	z *****
Stddev	.00052	.00025	.00043	-----
%RSD	369.88	108.07	.81823	-----

#1	-0.0051	-0.0040	.05190	z 324.0
#2	.00023	-0.0005	.05250	z 330.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4318.3	2855.0	75817.	3922.3
Stddev	9.0	1.7	358.	27.9
%RSD	.20836	.05947	.47205	.71058

#1	4324.6	2856.2	75564.	3942.1
#2	4311.9	2853.8	76070.	3902.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.857%	107.21%	101.34%	97.056%
Range				

Sample Name: 480-192288-C-8-B Acquired: 11/19/2021 5:45:11 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00002	1.1814	-0.00076	.01843	.14869
Stddev	.00009	.0194	.00123	.00032	.00042
%RSD	443.24	1.6408	161.44	1.7104	.28206
#1	.00004	1.1677	-0.00163	.01820	.14840
#2	-0.00008	1.1951	.00011	.01865	.14899

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00001	23.386	.00001	.0156	.00055
Stddev	.00010	.171	.00002	.0156	.00016
%RSD	837.04	.72937	296.48	100.4	29.499
#1	-0.00006	23.507	.00002	.0266	.00067
#2	.00009	23.265	-0.00001	.0045	.00044

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00456	.00241	1.1372	1.3731	.00799
Stddev	.00031	.00013	.0193	.0335	.00011
%RSD	6.8249	5.2075	1.6997	2.4381	1.3425
#1	.00434	.00250	1.1509	1.3968	.00806
#2	.00478	.00232	1.1235	1.3495	.00791

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-8-B Acquired: 11/19/2021 5:45:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.8644	.83244	-.00258	8.9357	.00833
Stddev	.0420	.00440	.00011	.0357	.00009
%RSD	.86407	.52806	4.3096	.40013	1.0646
#1	4.8941	.83555	-.00266	8.9610	.00827
#2	4.8347	.82933	-.00250	8.9104	.00839

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00025	3.422	-.00077	-.00107
Stddev	-----	.00022	.005	.00072	.00060
%RSD	-----	87.718	.1487	94.224	55.609
#1	z 179.6	.00041	3.419	-.00128	-.00065
#2	z 178.5	.00010	3.426	-.00026	-.00150

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.6806	-.00105	.14982	z *****	.02274
Stddev	.0073	.00044	.00068	-----	.00128
%RSD	.15537	42.272	.45685	-----	5.6443
#1	4.6857	-.00136	.15030	z 88.37	.02183
#2	4.6754	-.00074	.14933	z 90.72	.02365

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-8-B Acquired: 11/19/2021 5:45:11 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00069	.00151	.00466	z *****
Stddev	.00051	.00003	.00002	-----
%RSD	73.579	2.1412	.46310	-----

#1	-0.00033	.00153	.00467	z 335.5
#2	-0.00104	.00149	.00464	z 333.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4279.5	2837.8	75921.	3844.5
Stddev	15.8	7.1	459.	37.8
%RSD	.36840	.24866	.60454	.98312

#1	4290.7	2842.8	75596.	3817.8
#2	4268.4	2832.8	76245.	3871.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	98.961%	106.56%	101.48%	95.131%
Range				

Sample Name: 480-192288-C-9-B Acquired: 11/19/2021 5:48:58 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00034	10.588	.00531	.01106	.18010
Stddev	.00014	.028	.00082	.00034	.00122
%RSD	41.661	.26322	15.532	3.1090	.67822
#1	.00024	10.608	.00589	.01081	.17924
#2	.00044	10.569	.00473	.01130	.18097

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00037	12.722	.00200	.0439	.00523
Stddev	.00005	.010	.00009	.0057	.00000
%RSD	14.780	.07796	4.5044	12.99	.08057
#1	.00033	12.715	.00193	.0399	.00523
#2	.00041	12.729	.00206	.0480	.00523

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.01371	.01758	16.630	3.4975	.01918
Stddev	.00008	.00073	.039	.0076	.00057
%RSD	.56187	4.1361	.23434	.21705	2.9570
#1	.01365	.01706	16.602	3.5028	.01958
#2	.01376	.01809	16.657	3.4921	.01878

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-9-B Acquired: 11/19/2021 5:48:58 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.5628	.62883	-.00365	1.1015	.01083
Stddev	.0119	.00086	.00007	.0060	.00011
%RSD	.46405	.13711	2.0416	.54512	1.0202
#1	2.5712	.62822	-.00370	1.1058	.01090
#2	2.5544	.62944	-.00360	1.0973	.01075

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.01867	1.714	-.00052	.00008
Stddev	-----	.00031	.011	.00068	.00132
%RSD	-----	1.6483	.6354	130.89	1576.0
#1	z 316.9	.01889	1.721	-.00004	.00102
#2	z 315.4	.01845	1.706	-.00101	-.00085

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	16.574	.00108	.07148	z *****	.14478
Stddev	.088	.00050	.00006	-----	.00007
%RSD	.53169	46.408	.08298	-----	.04997
#1	16.512	.00073	.07152	z 89.42	.14473
#2	16.636	.00144	.07144	z 88.31	.14483

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-9-B Acquired: 11/19/2021 5:48:58 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00001	.01391	.12704	z *****
Stddev	.00114	.00002	.00058	-----
%RSD	14860.	.12388	.45606	-----

#1	.00082	.01390	.12745	z 328.5
#2	-.00080	.01392	.12663	z 330.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4342.2	2892.9	77708.	4014.1
Stddev	5.0	2.5	267.	5.3
%RSD	.11560	.08584	.34368	.13246

#1	4345.7	2891.2	77897.	4010.4
#2	4338.6	2894.7	77519.	4017.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.41%	108.63%	103.87%	99.327%
Range				

Sample Name: 480-192288-C-10-B Acquired: 11/19/2021 5:52:43 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.50364	.00033	.00289	.04449
Stddev	.00039	.00215	.00018	.00001	.00002
%RSD	229.65	.42766	55.444	.17907	.04708
#1	.00044	.50212	.00020	.00289	.04450
#2	-.00010	.50517	.00046	.00289	.04447

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	16.760	.00009	.0020	.00009
Stddev	.00005	.076	.00009	.0000	.00007
%RSD	56.014	.45062	106.02	.2298	80.155
#1	-.00005	16.706	.00002	.0020	.00004
#2	-.00012	16.813	.00015	.0020	.00014

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00255	-.00002	.46063	1.3381	.00413
Stddev	.00016	.00009	.00196	.0088	.00012
%RSD	6.2643	374.73	.42589	.65876	2.9524
#1	.00244	-.00009	.45925	1.3319	.00404
#2	.00266	.00004	.46202	1.3444	.00422

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-10-B Acquired: 11/19/2021 5:52:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.9443	.01804	-.00334	2.9938	-.00011
Stddev	.0098	.00008	.00020	.0312	.00001
%RSD	.50171	.43634	5.8437	1.0422	12.059
#1	1.9512	.01809	-.00348	2.9718	-.00012
#2	1.9374	.01798	-.00320	3.0159	-.00010

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00128	3.965	-.00244	-.00294
Stddev	-----	.00026	.025	.00116	.00048
%RSD	-----	20.400	.6309	47.711	16.449
#1	z 158.0	.00146	3.982	-.00161	-.00329
#2	z 158.1	.00110	3.947	-.00326	-.00260

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.5943	-.00068	.08835	z *****	.00960
Stddev	.0307	.00013	.00064	-----	.00189
%RSD	.54918	18.442	.72143	-----	19.718
#1	5.5725	-.00077	.08790	z 88.25	.01094
#2	5.6160	-.00059	.08880	z 87.99	.00826

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-10-B Acquired: 11/19/2021 5:52:43 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00061	.00205	.00223	z *****
Stddev	.00064	.00006	.00088	-----
%RSD	105.19	3.0685	39.749	-----

#1	.00106	.00209	.00285	z 333.6
#2	.00016	.00200	.00160	z 327.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4341.5	2861.1	77144.	3976.6
Stddev	2.7	2.6	69.	32.5
%RSD	.06210	.09019	.08928	.81665

#1	4339.6	2859.3	77192.	3999.6
#2	4343.4	2862.9	77095.	3953.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.39%	107.44%	103.12%	98.399%
Range				

Sample Name: 480-192288-C-11-B Acquired: 11/19/2021 5:56:31 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00010	.27038	-.00008	.00968	.12404
Stddev	.00044	.01165	.00282	.00010	.00007
%RSD	460.42	4.3076	3721.6	.99961	.05905
#1	.00022	.26214	-.00207	.00961	.12409
#2	-.00041	.27861	.00192	.00974	.12399

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00016	22.497	-.00001	.0101	.00016
Stddev	.00001	.055	.00003	.0280	.00011
%RSD	6.7144	.24637	198.40	278.6	66.426
#1	-.00017	22.536	-.00003	.0299	.00024
#2	-.00016	22.458	.00001	-.0098	.00009

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.00133	1.4608	1.6609	.00328
Stddev	.00017	.00023	.0048	.0280	.00049
%RSD	15.304	16.895	.32979	1.6876	15.083
#1	.00122	.00117	1.4574	1.6807	.00363
#2	.00098	.00149	1.4642	1.6411	.00293

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-11-B Acquired: 11/19/2021 5:56:31 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.6937	.17953	-.00372	1.0308	.00033
Stddev	.0099	.00034	.00013	.0005	.00026
%RSD	.36662	.19029	3.5172	.05208	78.342
#1	2.6867	.17929	-.00382	1.0312	.00051
#2	2.7007	.17977	-.00363	1.0305	.00015

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-.00003	1.490	-.00206	-.00368
Stddev	-----	.00026	.008	.00051	.00117
%RSD	-----	959.17	.5198	24.746	31.712
#1	z 166.4	.00016	1.485	-.00242	-.00286
#2	z 166.2	-.00021	1.496	-.00170	-.00451

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.1764	-.00080	.09712	z *****	.00560
Stddev	.0038	.00090	.00024	-----	.00053
%RSD	.07343	112.24	.24275	-----	9.4449
#1	5.1737	-.00143	.09695	z 90.87	.00522
#2	5.1791	-.00017	.09729	z 88.41	.00597

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-11-B Acquired: 11/19/2021 5:56:31 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00099	.00053	.00106	z *****
Stddev	.00149	.00012	.00091	-----
%RSD	149.51	23.191	85.223	-----

#1	-0.00006	.00045	.00042	z 337.7
#2	.00205	.00062	.00170	z 334.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4334.0	2866.7	75947.	3808.8
Stddev	14.8	.6	218.	21.6
%RSD	.34219	.02180	.28743	.56689

#1	4323.5	2867.1	76101.	3793.6
#2	4344.4	2866.3	75792.	3824.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.22%	107.65%	101.52%	94.247%
Range				

Sample Name: 480-192288-C-12-B Acquired: 11/19/2021 6:00:19 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.69082	-.00028	.01250	.11034
Stddev	.00021	.01474	.00034	.00013	.00012
%RSD	147.36	2.1339	120.17	1.0756	.11136
#1	-0.00001	.70125	-0.00052	.01240	.11025
#2	.00029	.68040	-0.00004	.01259	.11043

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	26.713	.00009	-.0046	.00080
Stddev	.00003	.142	.00002	.0151	.00004
%RSD	34.195	.53197	23.268	325.5	4.7616
#1	-0.00007	26.813	.00010	.0060	.00083
#2	-0.00011	26.612	.00007	-.0153	.00077

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00690	.00603	.85508	1.4983	.00306
Stddev	.00017	.00021	.01152	.0055	.00087
%RSD	2.4346	3.5131	1.3478	.36516	28.570
#1	.00678	.00618	.86322	1.5022	.00244
#2	.00702	.00588	.84693	1.4944	.00368

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-12-B Acquired: 11/19/2021 6:00:19 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.4709	1.3356	-0.0124	7.4052	.01236
Stddev	.0275	.0065	.00021	.0477	.00005
%RSD	.79214	.48799	17.243	.64382	.37832
#1	3.4515	1.3310	-0.0109	7.4389	.01239
#2	3.4903	1.3402	-0.0140	7.3715	.01233

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	-0.0044	3.448	-0.00212	-0.00250
Stddev	-----	.00031	.001	.00000	.00121
%RSD	-----	70.440	.0159	.07258	48.346
#1	z 180.7	-0.0066	3.447	-0.00212	-0.00165
#2	z 181.2	-0.0022	3.448	-0.00212	-0.00336

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.2373	-0.0053	.06885	z *****	.01620
Stddev	.0116	.00004	.00023	-----	.00102
%RSD	.27385	8.4003	.33567	-----	6.3205
#1	4.2455	-0.0056	.06901	z 87.68	.01547
#2	4.2291	-0.0049	.06868	z 85.97	.01692

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-12-B Acquired: 11/19/2021 6:00:19 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00038	.00076	.11235	z *****
Stddev	.00019	.00023	.00186	-----
%RSD	51.302	30.646	1.6571	-----

#1	.00052	.00093	.11103	z 326.8
#2	.00024	.00060	.11367	z 326.0

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4282.8	2832.5	76438.	3946.8
Stddev	1.4	1.3	283.	16.8
%RSD	.03209	.04424	.36967	.42474

#1	4283.8	2831.6	76638.	3934.9
#2	4281.9	2833.4	76238.	3958.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.038%	106.36%	102.18%	97.661%
Range				

Sample Name: CCV-6774594 Acquired: 11/19/2021 6:04:06 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96259	47.377	.95833	.94131	.93402	.97880	49.599	.93235
Stddev	.00332	.377	.00196	.00194	.00727	.00663	.203	.00129
%RSD	.34522	.79483	.20469	.20568	.77870	.67752	.40876	.13864
#1	.96024	47.643	.95972	.94268	.93916	.98349	49.743	.93326
#2	.96494	47.110	.95694	.93994	.92887	.97411	49.456	.93143

Check ? **Chk Pass** **Chk Pass**
Value
Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2714	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9957	.97108	.97722	.95878	50.532	48.045	.93199	49.437
Stddev	.0282	.00013	.00439	.00328	.099	.281	.00631	.134
%RSD	2.831	.01371	.44952	.34259	.19612	.58466	.67731	.27068
#1	1.016	.97099	.97412	.95646	50.602	48.243	.93646	49.342
#2	.9758	.97118	.98033	.96111	50.462	47.846	.92753	49.531

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
Value
Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	1.0080	.97014	46.836	.99381	z *****	.96609	22.69	.92518
Stddev	.0030	.00292	.375	.00027	----	.00113	.06	.00178
%RSD	.29634	.30132	.80049	.02701	----	.11725	.2698	.19228
#1	1.0059	.96807	47.101	.99400	z 11350.	.96529	22.74	.92644
#2	1.0101	.97221	46.571	.99362	z 11310.	.96689	22.65	.92393

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
Value
Range

Sample Name: CCV-6774594 Acquired: 11/19/2021 6:04:06 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.94089	9.6207	.96892	.94853	z *****	.98461	1.0099	.97845
Stddev	.00619	.0315	.00140	.00680	----	.00249	.0003	.00157
%RSD	.65836	.32770	.14398	.71691	----	.25289	.02778	.15999
#1	.94527	9.5984	.96793	.95334	z 248.0	.98285	1.0097	.97734
#2	.93651	9.6429	.96990	.94372	z 245.9	.98638	1.0101	.97955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	1.0003	z *****
Stddev	.0022	----
%RSD	.22443	----
#1	.99874	z 2760.
#2	1.0019	z 2763.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3859.2	2788.3	73167.	3915.4
Stddev	4.9	.0	182.	3.3
%RSD	.12695	.00060	.24875	.08551
#1	3862.7	2788.3	73296.	3913.0
#2	3855.7	2788.3	73039.	3917.8

Sample Name: CCB-6785149 Acquired: 11/19/2021 6:07:40 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00710	-.00019	-.00107	.00006	-.00007	.00247	-.00001
Stddev	.00032	.01118	.00166	.00002	.00000	.00001	.00083	.00000
%RSD	145.05	157.39	893.26	1.6142	1.0809	18.209	33.472	25.261
#1	-.00001	-.00080	.00099	-.00105	.00005	-.00008	.00189	-.00001
#2	.00045	.01501	-.00136	-.00108	.00006	-.00006	.00306	-.00001

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0064	.00004	.00010	-.00024	.00477	-.00225	-.00007	.00093
Stddev	.0222	.00004	.00001	.00013	.00188	.00415	.00067	.00176
%RSD	348.2	82.740	6.1656	54.480	39.355	184.20	937.36	189.72
#1	-.0221	.00007	.00009	-.00033	.00344	.00068	.00040	.00217
#2	.0093	.00002	.00010	-.00015	.00610	-.00519	-.00054	-.00032

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00005	.00254	.00312	-.00027	z *****	-.00013	-.0028	-.00077
Stddev	.00001	.00077	.00825	.00002	----	.00057	.0020	.00067
%RSD	21.338	30.425	264.68	7.3203	----	453.73	71.39	87.415
#1	.00006	.00308	.00896	-.00026	z 139.1	-.00053	-.0014	-.00125
#2	.00004	.00199	-.00272	-.00029	z 140.8	.00028	-.0042	-.00029

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 6:07:40 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00173	-.01957	-.00018	-.00000	z *****	.00007	.00161	-.00012
Stddev	.00050	.00629	.00058	.00000	----	.00017	.00093	.00007
%RSD	28.815	32.120	323.91	122.46	----	251.90	57.821	56.819
#1	.00138	-.02402	-.00059	-.00001	z 85.65	-.00005	.00095	-.00017
#2	.00209	-.01513	.00023	-.00000	z 87.30	.00019	.00227	-.00007

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00032	z *****
Stddev	.00054	----
%RSD	170.08	----
#1	-.00006	z 321.9
#2	.00070	z 323.5

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4518.2	2913.3	78610.	3989.3
Stddev	3.8	4.1	212.	36.0
%RSD	.08420	.13904	.27011	.90181
#1	4515.5	2910.4	78460.	4014.7
#2	4520.9	2916.1	78760.	3963.8

Sample Name: CCVL-6768474 Acquired: 11/19/2021 6:11:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00580	.18893	.01172	.01633	.00202	.00193	.51757	.00178
Stddev	.00042	.00087	.00058	.00010	.00001	.00004	.00111	.00010
%RSD	7.1738	.45853	4.9279	.63685	.59640	2.0391	.21388	5.6290
#1	.00609	.18832	.01131	.01640	.00201	.00195	.51679	.00185
#2	.00550	.18955	.01212	.01625	.00202	.00190	.51835	.00171

Check ? **Chk Pass** **Chk Pass**
 Value
 Range

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0167	.00377	.00400	.00932	.05166	.47406	.02710	.19457
Stddev	.0276	.00007	.00008	.00003	.00073	.00606	.00074	.00022
%RSD	165.7	1.9580	1.9087	.28776	1.4075	1.2791	2.7171	.11375
#1	.0029	.00372	.00394	.00934	.05115	.46977	.02658	.19472
#2	-.0362	.00382	.00405	.00931	.05217	.47834	.02762	.19441

Check ? None **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00338	.00759	.95148	.00914	z *****	.00950	.1606	.01848
Stddev	.00010	.00009	.00055	.00010	----	.00102	.0012	.00141
%RSD	2.8760	1.1723	.05749	1.1409	----	10.694	.7549	7.6355
#1	.00344	.00766	.95110	.00921	z 148.2	.01022	.1598	.01748
#2	.00331	.00753	.95187	.00907	z 144.4	.00878	.1615	.01948

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** None **Chk Pass** **Chk Pass** **Chk Pass**
 Value
 Range

Sample Name: CCVL-6768474 Acquired: 11/19/2021 6:11:31 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.02008	.44037	.00883	.00483	z *****	.00476	.01980	.00461
Stddev	.00220	.01683	.00065	.00004	-----	.00020	.00006	.00009
%RSD	10.983	3.8207	7.4157	.78171	-----	4.1127	.32678	1.9960
#1	.02163	.42847	.00837	.00485	z 90.95	.00490	.01976	.00467
#2	.01852	.45227	.00929	.00480	z 91.30	.00462	.01985	.00454

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.01045	z *****
Stddev	.00052	-----
%RSD	4.9632	-----
#1	.01009	z 342.6
#2	.01082	z 343.2

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4464.7	2902.2	76640.	3732.5
Stddev	2.2	3.4	316.	2.6
%RSD	.04866	.11684	.41170	.07057
#1	4463.2	2899.8	76417.	3734.3
#2	4466.2	2904.6	76863.	3730.6

Sample Name: 480-192288-C-13-B Acquired: 11/19/2021 6:15:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.59413	-.00055	.01158	.10980
Stddev	.00074	.00623	.00160	.00024	.00012
%RSD	226.84	1.0493	292.46	2.0821	.10606
#1	.00085	.59853	-.00168	.01140	.10988
#2	-.00020	.58972	.00059	.01175	.10972

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	23.918	.00005	.0200	.00035
Stddev	.00002	.018	.00010	.0397	.00018
%RSD	19.633	.07480	186.65	198.2	50.804
#1	-.00010	23.931	.00012	.0480	.00023
#2	-.00013	23.905	-.00002	-.0080	.00048

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00111	.06692	4.7349	1.7728	.00358
Stddev	.00001	.00002	.0156	.0182	.00007
%RSD	.48650	.02760	.32919	1.0265	1.8629
#1	.00111	.06694	4.7459	1.7857	.00362
#2	.00111	.06691	4.7239	1.7600	.00353

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-13-B Acquired: 11/19/2021 6:15:21 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.3739	.56181	-.00286	1.9940	.00065
Stddev	.0002	.00112	.00017	.0009	.00009
%RSD	.00803	.19931	6.0420	.04674	13.916
#1	2.3738	.56102	-.00298	1.9934	.00072
#2	2.3741	.56260	-.00274	1.9947	.00059

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.01171	.6940	.00005	-.00362
Stddev	-----	.00022	.0053	.00032	.00018
%RSD	-----	1.8570	.7672	578.91	4.8738
#1	z 267.2	.01187	.6903	-.00017	-.00375
#2	z 266.1	.01156	.6978	.00028	-.00350

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	6.9056	-.00048	.10138	z *****	.00875
Stddev	.0128	.00048	.00003	-----	.00124
%RSD	.18510	100.47	.02740	-----	14.132
#1	6.9146	-.00082	.10136	z 87.88	.00963
#2	6.8966	-.00014	.10140	z 84.57	.00788

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-13-B Acquired: 11/19/2021 6:15:21 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00062	.00202	.01461	z *****
Stddev	.00020	.00036	.00006	-----
%RSD	32.728	18.068	.42740	-----

#1	-0.00076	.00176	.01465	z 326.5
#2	-0.00048	.00228	.01456	z 326.3

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4333.3	2861.7	77327.	4007.4
Stddev	13.8	4.8	115.	6.8
%RSD	.31942	.16889	.14914	.16988

#1	4323.5	2858.3	77245.	4002.6
#2	4343.1	2865.1	77408.	4012.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	100.20%	107.46%	103.36%	99.161%
Range				

Sample Name: 480-192288-C-14-B Acquired: 11/19/2021 6:19:07 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0021	.78962	-0.0111	.01885	.06003
Stddev	.00015	.00363	.00219	.00000	.00009
%RSD	72.007	.46014	196.96	.02498	.14821

#1	-0.0032	.79219	.00044	.01885	.05997
#2	-0.0010	.78705	-.00267	.01885	.06010

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	24.883	-0.0004	-.0213	.00018
Stddev	.00002	.020	.00002	.0082	.00025
%RSD	24.746	.07856	48.149	38.53	142.93

#1	-0.0011	24.869	-0.0005	-.0155	.00036
#2	-0.0008	24.897	-0.0003	-.0271	-0.0000

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00178	.00114	.75078	1.0941	.00186
Stddev	.00005	.00009	.00079	.0078	.00022
%RSD	2.6665	8.3271	.10499	.70901	11.562

#1	.00175	.00107	.75022	1.0886	.00171
#2	.00181	.00120	.75134	1.0996	.00201

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: 480-192288-C-14-B Acquired: 11/19/2021 6:19:07 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	3.4129	.23396	-.00032	6.6295	.00160
Stddev	.0197	.00097	.00009	.0164	.00032
%RSD	.57685	.41347	29.592	.24727	19.675
#1	3.3990	.23327	-.00025	6.6411	.00183
#2	3.4268	.23464	-.00038	6.6179	.00138

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00107	3.476	-.00255	-.00452
Stddev	-----	.00029	.001	.00045	.00054
%RSD	-----	27.139	.0160	17.731	12.006
#1	z 180.7	.00128	3.476	-.00287	-.00491
#2	z 180.5	.00087	3.476	-.00223	-.00414

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	3.9407	-.00040	.08126	z *****	.01214
Stddev	.0222	.00001	.00000	-----	.00491
%RSD	.56241	1.7140	.00082	-----	40.458
#1	3.9564	-.00039	.08126	z 85.98	.00867
#2	3.9251	-.00040	.08126	z 85.83	.01562

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-14-B Acquired: 11/19/2021 6:19:07 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.0016	.00079	.01568	z *****
Stddev	.00053	.00016	.00025	-----
%RSD	332.16	19.815	1.5974	-----

#1	-0.0054	.00068	.01550	z 320.5
#2	.00022	.00090	.01585	z 324.2

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4281.3	2812.1	76924.	4056.5
Stddev	4.1	1.4	29.	6.9
%RSD	.09612	.04844	.03823	.17045

#1	4284.2	2813.1	76945.	4061.4
#2	4278.4	2811.1	76903.	4051.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.001%	105.60%	102.82%	100.38%
Range				

Sample Name: 480-192288-C-15-B Acquired: 11/19/2021 6:22:55 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.16416	-.00291	.01562	.05350
Stddev	.00001	.01532	.00022	.00002	.00010
%RSD	9.8196	9.3316	7.3914	.10034	.18790
#1	.00012	.17499	-.00306	.01564	.05357
#2	.00014	.15333	-.00276	.01561	.05343

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	23.059	.00007	.0160	.00050
Stddev	.00003	.072	.00004	.0020	.00012
%RSD	33.072	.31259	53.643	12.67	24.009
#1	-.00010	23.110	.00010	.0145	.00058
#2	-.00006	23.008	.00004	.0174	.00041

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00370	.00093	.28403	.89045	.00102
Stddev	.00061	.00026	.00119	.00257	.00041
%RSD	16.422	28.305	.41833	.28908	40.199
#1	.00413	.00074	.28319	.88863	.00073
#2	.00327	.00112	.28487	.89227	.00132

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-15-B Acquired: 11/19/2021 6:22:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.9903	.21439	-.00068	5.0005	.00427
Stddev	.0151	.00069	.00001	.0147	.00002
%RSD	.50386	.32038	1.4958	.29437	.43112
#1	3.0009	.21488	-.00068	5.0109	.00426
#2	2.9796	.21391	-.00069	4.9901	.00429

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00036	3.233	-.00191	-.00314
Stddev	-----	.00084	.008	.00107	.00147
%RSD	-----	231.44	.2350	56.152	46.897
#1	z 187.2	-.00023	3.238	-.00267	-.00418
#2	z 187.7	.00095	3.228	-.00115	-.00210

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	2.5503	-.00092	.09255	z *****	.00183
Stddev	.0207	.00051	.00002	-----	.00027
%RSD	.81247	55.589	.02302	-----	14.714
#1	2.5649	-.00056	.09257	z 87.24	.00164
#2	2.5356	-.00128	.09254	z 86.91	.00202

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-15-B Acquired: 11/19/2021 6:22:55 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00024	.00009	.00179	z *****
Stddev	.00071	.00007	.00002	-----
%RSD	298.94	77.378	1.0946	-----

#1	-0.00027	.00014	.00178	z 317.0
#2	.00074	.00004	.00181	z 324.4

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4307.5	2840.0	76861.	3962.3
Stddev	3.7	2.6	274.	14.7
%RSD	.08566	.09033	.35674	.37096

#1	4310.1	2841.8	76667.	3951.9
#2	4304.9	2838.2	77055.	3972.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	99.608%	106.64%	102.74%	98.045%
Range				

Sample Name: 480-192288-C-16-B Acquired: 11/19/2021 6:26:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.26579	.00045	.00491	.05769
Stddev	.00005	.03093	.00076	.00041	.00017
%RSD	37.716	11.635	168.95	8.3066	.30019
#1	.00018	.28766	-.00009	.00520	.05756
#2	.00011	.24392	.00098	.00462	.05781

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	14.264	.00004	.0130	.00008
Stddev	.00002	.028	.00001	.0037	.00006
%RSD	15.396	.19596	17.502	28.72	67.134
#1	-.00012	14.284	.00004	.0104	.00004
#2	-.00010	14.244	.00005	.0157	.00013

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00120	.00044	2.2420	.66693	.00245
Stddev	.00012	.00017	.0044	.01383	.00023
%RSD	10.379	38.695	.19727	2.0738	9.5631
#1	.00129	.00032	2.2389	.67671	.00262
#2	.00111	.00056	2.2452	.65715	.00229

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Sample Name: 480-192288-C-16-B Acquired: 11/19/2021 6:26:42 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	589.592 { 57}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.2831	.22266	-.00365	1.0693	.00050
Stddev	.0060	.00015	.00002	.0019	.00026
%RSD	.47046	.06868	.59534	.18060	52.019
#1	1.2873	.22256	-.00366	1.0707	.00031
#2	1.2788	.22277	-.00363	1.0680	.00068

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00051	1.172	-.00190	-.00081
Stddev	-----	.00031	.003	.00220	.00059
%RSD	-----	59.898	.2182	115.98	73.066
#1	z 174.6	.00073	1.170	-.00346	-.00039
#2	z 176.6	.00029	1.174	-.00034	-.00123

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	4.0497	-.00035	.04116	z *****	.00319
Stddev	.0206	.00024	.00000	-----	.00044
%RSD	.50812	69.228	.00890	-----	13.908
#1	4.0642	-.00018	.04115	z 86.45	.00288
#2	4.0351	-.00051	.04116	z 87.63	.00351

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192288-C-16-B Acquired: 11/19/2021 6:26:42 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00055	.00024	.02241	z *****
Stddev	.00026	.00009	.00023	-----
%RSD	48.294	35.740	1.0078	-----

#1	.00073	.00018	.02225	z 322.2
#2	.00036	.00030	.02257	z 327.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4416.7	2877.8	77186.	3970.7
Stddev	3.6	9.0	6.	9.5
%RSD	.08073	.31320	.00740	.23875

#1	4419.2	2884.2	77182.	3977.4
#2	4414.2	2871.5	77190.	3964.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	102.13%	108.06%	103.18%	98.253%
Range				

Sample Name: 480-192272-C-1-A Acquired: 11/19/2021 6:30:30 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00033	1.4576	.00015	.19810	.10618
Stddev	.00032	.0170	.00145	.00059	.00017
%RSD	97.387	1.1676	959.22	.29880	.15828
#1	-0.00055	1.4456	-0.00087	.19768	.10606
#2	-0.00010	1.4696	.00117	.19852	.10630

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 {83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00001	100.60	.00005	.0045	.00098
Stddev	.00004	.29	.00003	.0179	.00001
%RSD	450.48	.29231	60.154	401.7	1.2821
#1	-0.00004	100.81	.00007	-.0082	.00098
#2	.00002	100.40	.00003	.0171	.00097

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 {44}	670.784 {50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00219	.00751	1.0776	27.643	.01715
Stddev	.00010	.00022	.0019	.021	.00011
%RSD	4.3448	2.8721	.17123	.07425	.65020
#1	.00226	.00736	1.0789	27.658	.01707
#2	.00213	.00766	1.0762	27.629	.01723

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192272-C-1-A Acquired: 11/19/2021 6:30:30 Type: Unk
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	31.063	.03601	.00221	111.83	.00685
Stddev	.037	.00013	.00011	.04	.00005
%RSD	.12019	.36549	4.7566	.03142	.69355
#1	31.037	.03592	.00214	111.86	.00688
#2	31.089	.03610	.00229	111.81	.00681

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.00095	54.15	-.00177	-.00465
Stddev	-----	.00042	.27	.00016	.00154
%RSD	-----	43.876	.4926	8.8982	33.090
#1	z 221.0	.00125	53.96	-.00188	-.00574
#2	z 218.4	.00066	54.34	-.00166	-.00356

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
High Limit
Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	5.0199	-.00014	1.1347	z *****	.04845
Stddev	.0184	.00044	.0015	-----	.00474
%RSD	.36587	323.74	.13694	-----	9.7910
#1	5.0328	-.00045	1.1358	z 91.26	.04510
#2	5.0069	.00018	1.1336	z 89.96	.05181

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
High Limit
Low Limit

Sample Name: 480-192272-C-1-A Acquired: 11/19/2021 6:30:30 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	.00020	.00363	.00483	z *****
Stddev	.00219	.00016	.00022	-----
%RSD	1074.4	4.4665	4.6482	-----

#1	.00175	.00375	.00467	z 330.0
#2	-.00135	.00352	.00499	z 324.9

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3849.8	2685.1	72296.	3925.6
Stddev	11.4	15.4	143.	2.3
%RSD	.29483	.57350	.19804	.05906

#1	3857.9	2696.0	72195.	3924.0
#2	3841.8	2674.2	72397.	3927.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	89.025%	100.83%	96.639%	97.138%
Range				

Sample Name: RAW LB BATCH 605381 Acquired: 11/19/2021 6:34:15 Type: Unk

Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000

User: LMH Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.02537	.00388	.06065	.00482
Stddev	.00006	.01076	.00043	.00057	.00000
%RSD	19.650	42.419	11.163	.94230	.01941

#1	.00025	.01776	.00419	.06106	.00482
#2	.00033	.03298	.00357	.06025	.00482

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Be3130	Ca3179	Cd2288	**Ce4040	Co2286
Line	313.042 {108}	317.933 {106}	228.802 {447}	404.076 { 83}	228.616 {447}
IS Ref	(Y_3774)	(Y_3774)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.17906	-.00001	-.0012	.00025
Stddev	.00002	.00210	.00001	.0199	.00005
%RSD	17.434	1.1744	129.35	1663.	21.915

#1	-.00016	.17758	-.00002	.0129	.00028
#2	-.00013	.18055	-.00000	-.0153	.00021

Check ?	Chk Pass				
High Limit					
Low Limit					

Elem	Cr2677	Cu3273	Fe2599	K_7664	Li6707
Line	267.716 {126}	327.396 {103}	259.940 {130}	766.490 { 44}	670.784 { 50}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00161	.00168	.01387	.84322	.00089
Stddev	.00011	.00023	.00077	.01753	.00003
%RSD	6.8553	13.977	5.5889	2.0786	2.8069

#1	.00153	.00184	.01332	.83083	.00088
#2	.00169	.00151	.01441	.85561	.00091

Check ?	Chk Pass				
High Limit					
Low Limit					

Sample Name: RAW LB BATCH 605381 Acquired: 11/19/2021 6:34:15 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	279.079 {121}2	257.610 {131}3	202.030 {467}	818.326 { 41}	231.604 {446}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm
Avg	.03250	.00478	-.00415	F 1148.7	.00074
Stddev	.00350	.00002	.00021	1.2	.00013
%RSD	10.768	.34690	4.9874	.10437	18.230
#1	.03002	.00477	-.00400	1147.9	.00083
#2	.03497	.00479	-.00430	1149.6	.00064

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **Chk Fail** **Chk Pass**
 High Limit **900.00**
 Low Limit **-1.0000**

Elem	P_2136	Pb2203	S_1820	Sb2068	Se1960
Line	213.618 {458}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(none)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	ppm	ppm	ppm	ppm
Avg	z *****	.11411	.0520	.00041	-.00010
Stddev	-----	.00132	.0016	.00037	.00006
%RSD	-----	1.1551	3.003	90.749	58.469
#1	z 148.5	.11505	.0509	.00067	-.00014
#2	z 148.0	.11318	.0531	.00015	-.00006

Check ? **None** **Chk Pass** **Chk Pass** **Chk Pass** **Chk Pass**
 High Limit
 Low Limit

Elem	Si2881	Sn1899	Sr4077	Th2837	Ti3349
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}	334.904 {101}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(none)	(Y_3600)
Units	ppm	ppm	ppm	Cts/S	ppm
Avg	.02380	.00133	.00081	z *****	-.00020
Stddev	.00159	.00036	.00001	-----	.00042
%RSD	6.6994	27.220	.81539	-----	215.99
#1	.02267	.00107	.00081	z 88.51	.00010
#2	.02493	.00158	.00082	z 85.41	-.00049

Check ? **Chk Pass** **Chk Pass** **Chk Pass** **None** **Chk Pass**
 High Limit
 Low Limit

Sample Name: RAW LB BATCH 605381 Acquired: 11/19/2021 6:34:15 Type: Unk
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Tl1908	V_2924	Zn2062	Zr3438
Line	190.856 {477}	292.402 {115}	206.200 {163}	343.823 { 98}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(none)
Units	ppm	ppm	ppm	Cts/S
Avg	-0.00315	-0.00014	.01536	z *****
Stddev	.00037	.00009	.00048	-----
%RSD	11.841	66.146	3.1321	-----

#1	-0.00341	-0.00007	.01570	z 332.5
#2	-0.00288	-0.00020	.01502	z 330.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3469.3	2560.8	66088.	3765.0
Stddev	18.9	8.4	67.	3.7
%RSD	.54496	.32674	.10160	.09910

#1	3482.7	2566.7	66135.	3767.6
#2	3455.9	2554.9	66040.	3762.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	80.225%	96.158%	88.340%	93.162%
Range				

Sample Name: CCVL-6768474 Acquired: 11/19/2021 6:38:12 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00550	.16990	.01206	.01631	.00202	.00192	.50750
Stddev	.00009	.00956	.00005	.00010	.00001	.00013	.00774
%RSD	1.6219	5.6253	.44432	.59872	.48655	6.5793	1.5257
#1	.00544	.17666	.01203	.01624	.00201	.00201	.50203
#2	.00557	.16315	.01210	.01638	.00202	.00183	.51298

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Cd2288	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00175	-.0085	.00355	.00396	.00931	.04943	.51696
Stddev	.00002	.0103	.00013	.00010	.00017	.00064	.02048
%RSD	1.3246	121.9	3.6692	2.6362	1.8130	1.2934	3.9609
#1	.00174	-.0158	.00364	.00389	.00919	.04897	.50248
#2	.00177	-.0012	.00346	.00403	.00943	.04988	.53144

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2136
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S
Avg	.02733	.19239	.00336	W .00616	1.0657	.00909	z *****
Stddev	.00086	.00031	.00003	.00012	.0069	.00023	-----
%RSD	3.1483	.16051	.78890	1.9034	.64809	2.5024	-----
#1	.02672	.19217	.00334	.00608	1.0608	.00925	z 141.5
#2	.02794	.19261	.00338	.00624	1.0706	.00892	z 142.2

Check ? Chk Pass Chk Pass Chk Pass Chk Warn Chk Pass Chk Pass None
 Value
 Range .01000
 -30.000%

Sample Name: CCVL-6768474 Acquired: 11/19/2021 6:38:12 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00888	.1584	.01683	.01841	.44212	.00901	.00481
Stddev	.00059	.0034	.00042	.00061	.00699	.00064	.00008
%RSD	6.6761	2.177	2.5080	3.2966	1.5809	7.0748	1.6512
#1	.00930	.1609	.01653	.01884	.43718	.00856	.00487
#2	.00846	.1560	.01712	.01798	.44707	.00946	.00476

Check ?	Chk Pass						
Value							
Range							

Elem	Th2837	Ti3349	Tl1908	V_2924	Zn2062	Zr3438
Units	Cts/S	ppm	ppm	ppm	ppm	Cts/S
Avg	z *****	.00452	.01959	.00471	.00994	z *****
Stddev	-----	.00018	.00030	.00008	.00019	-----
%RSD	-----	3.8892	1.5469	1.6787	1.9039	-----
#1	z 88.05	.00439	.01938	.00476	.00980	z 331.1
#2	z 88.20	.00464	.01981	.00465	.01007	z 332.8

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value						
Range						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4481.3	2921.3	77890.	3876.7
Stddev	.1	.9	254.	8.8
%RSD	.00116	.03148	.32663	.22729
#1	4481.3	2922.0	78070.	3882.9
#2	4481.3	2920.7	77710.	3870.5

Sample Name: CCV-6774594 Acquired: 11/19/2021 6:42:02 Type: QC
Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.93101	9.5066	.95755	.96644	z *****	.98424	1.0078	.98159
Stddev	.00096	.0862	.00049	.00510	----	.00362	.0049	.00147
%RSD	.10341	.90718	.05127	.52770	----	.36827	.48701	.14959
#1	.93033	9.4456	.95720	.96283	z 247.1	.98680	1.0043	.98263
#2	.93169	9.5676	.95790	.97004	z 242.7	.98168	1.0113	.98055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.98269	z *****
Stddev	.00370	----
%RSD	.37702	----
#1	.98531	z 2841.
#2	.98007	z 2816.

Check ?	Chk Pass	None
Value Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3880.2	2815.5	73161.	3916.7
Stddev	9.2	7.0	32.	31.4
%RSD	.23695	.24799	.04399	.80282
#1	3886.7	2820.4	73138.	3938.9
#2	3873.7	2810.6	73184.	3894.4

Sample Name: CCB-6785149 Acquired: 11/19/2021 6:45:37 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00058	.00163	-.00105	.00009	-.00012	.00146	-.00008
Stddev	.00023	.00365	.00229	.00005	.00001	.00003	.00068	.00003
%RSD	83.531	633.10	140.76	4.8253	6.9416	21.558	46.334	37.860
#1	.00011	.00315	.00001	-.00101	.00009	-.00010	.00194	-.00010
#2	.00043	-.00200	.00324	-.00108	.00010	-.00014	.00098	-.00006

Check ? Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	**Ce4040	Co2286	Cr2677	Cu3273	Fe2599	K_7664	Li6707	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0208	.00009	.00014	-.00001	.00655	.02926	.00131	.00041
Stddev	.0203	.00002	.00016	.00002	.00349	.00828	.00006	.00501
%RSD	97.36	24.820	112.74	253.61	53.311	28.304	4.3298	1212.1
#1	.0065	.00007	.00025	.00001	.00408	.02340	.00135	-.00313
#2	.0351	.00011	.00003	-.00003	.00903	.03511	.00127	.00396

Check ? None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	P_2136	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00007	.00322	.03088	-.00033	z *****	-.00013	-.0011	-.00093
Stddev	.00002	.00091	.00042	.00006	----	.00033	.0051	.00059
%RSD	35.310	28.293	1.3730	17.709	----	253.17	477.3	63.593
#1	.00005	.00386	.03058	-.00037	z 140.4	.00010	.0025	-.00135
#2	.00008	.00257	.03118	-.00029	z 145.8	-.00037	-.0047	-.00051

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB-6785149 Acquired: 11/19/2021 6:45:37 Type: QC
 Method: ICAP1 New Stds (v1008) Mode: CONC Corr. Factor: 1.000000
 User: LMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Se1960	Si2881	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	V_2924
Units	ppm	ppm	ppm	ppm	Cts/S	ppm	ppm	ppm
Avg	.00240	-.01696	-.00008	-.00002	z *****	.00029	-.00037	-.00032
Stddev	.00350	.00281	.00054	.00000	----	.00013	.00043	.00028
%RSD	145.95	16.557	705.98	13.570	----	44.804	117.02	88.118
#1	-.00008	-.01498	-.00046	-.00002	z 85.95	.00020	-.00006	-.00051
#2	.00488	-.01895	.00030	-.00002	z 85.90	.00038	-.00067	-.00012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Zn2062	Zr3438
Units	ppm	Cts/S
Avg	.00022	z *****
Stddev	.00036	----
%RSD	165.68	----
#1	.00048	z 319.8
#2	-.00004	z 322.6

Check ? Chk Pass None
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4511.6	2901.3	78827.	4019.0
Stddev	13.7	4.5	325.	30.8
%RSD	.30297	.15496	.41258	.76529
#1	4521.2	2898.1	78597.	4040.8
#2	4501.9	2904.5	79057.	3997.3

Report Generated By Teledyne Leeman QuickTrace

Analyst: BufHG5

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\L20211118B.wszf

Creation Date: 11/18/2021 12:08:28 PM

Comment:

Results

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
Single: ICV	ICV	11/18/21 12:14:50 pm	0.00	41650	1.34		Q	1.0000	0.00
Replicates			40902.4	41867.7	42224.7	41605.2			
Single: ICV	ICV	11/18/21 12:17:05 pm	0.00	39505	1.35		Q	1.0000	0.00
Replicates			38794.7	39657.8	40072.3	39493.8			
Calibration Blank	STD	11/18/21 12:19:27 pm	0.00	-6	515.32	-13.70		1.0000	N/A
Replicates			-2.8	28.9	-7.1	-41.4			
Standard #1 (0.1 ug/L)	STD	11/18/21 12:20:46 pm	0.10	1404	1.25	-4.10		1.0000	N/A
Replicates			1395.3	1389.3	1429.0	1401.3			
Standard #2 (0.5 ug/L)	STD	11/18/21 12:22:04 pm	0.50	7043	1.29	34.49		1.0000	N/A
Replicates			6918.4	7069.3	7136.0	7048.5			
Standard #3 (2.0 ug/L)	STD	11/18/21 12:23:23 pm	2.00	27327	1.28	112.02		1.0000	N/A
Replicates			26855.8	27409.4	27701.9	27340.4			
Standard #4 (10. ug/L)	STD	11/18/21 12:24:42 pm	10.00	131165	1.37	187.81		1.0000	N/A
Replicates			128692.5	131550.0	132986.3	131431.0			
Standard #5 (20. ug/L)	STD	11/18/21 12:26:01 pm	20.00	253824	1.16	-272.61		1.0000	N/A
Replicates			249777.5	254311.1	256841.9	254367.4			
<p>Calibration</p> <p>Equation: Abs = 12857.952x + 170.619</p> <p>R2: 0.99961</p> <p>SEE: 2259.5800</p> <p>Flags:</p>									
ICV	ICV	11/18/21 12:28:54 pm	3.24	41851	1.32		Q	1.0000	108.05
Replicates			41146.3	42066.8	42444.3	41745.3			
ICB	ICB	11/18/21 12:30:12 pm	-0.01	2	5.40			1.0000	N/A
Replicates			8.6	10.6	-5.9	-6.4			
ICVL	CRDL	11/18/21 12:31:32 pm	0.21	2823	1.14			1.0000	103.15
Replicates			2778.6	2845.2	2839.2	2829.4			
CCV	CCV	11/18/21 12:32:52 pm	2.10	27209	1.35			1.0000	105.14
Replicates			26715.7	27356.3	27578.3	27185.5			
CCB	CCB	11/18/21 12:34:10 pm	-0.01	15	5.16			1.0000	N/A
Replicates			9.6	17.4	7.1	24.9			

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
MB 480-605378/1-A	UNK	11/18/21 12:40:07 pm	0.00	1	162.60			1.0000	N/A
Replicates			-2.2	18.0	-6.0	-4.5			
LCS 480-605378/2-A	UNK	11/18/21 12:41:24 pm	4.17	53251	1.08			1.0000	N/A
Replicates			52504.9	53462.6	53864.6	53172.6			
480-192386-D-7-B	UNK	11/18/21 12:42:41 pm	0.00	-9	340.54			1.0000	N/A
Replicates			-14.1	-23.1	0.2	0.9			
480-192386-D-13-B	UNK	11/18/21 12:43:59 pm	0.00	24	35.24			1.0000	N/A
Replicates			26.6	10.8	36.3	23.5			
480-192386-D-19-D	UNK	11/18/21 12:45:17 pm	0.00	0	231.14			1.0000	N/A
Replicates			12.2	-16.4	2.1	0.3			
480-192386-D-19-Dsd@5	UNK	11/18/21 12:46:35 pm	0.00	27	52.74			1.0000	N/A
Replicates			2.9	39.0	26.2	39.5			
480-192386-D-19-E MS	UNK	11/18/21 12:47:53 pm	4.05	51801	1.17			1.0000	N/A
Replicates			51174.7	52139.6	52473.9	51414.1			
480-192386-D-19-F MSD	UNK	11/18/21 12:49:12 pm	4.10	52368	1.21			1.0000	N/A
Replicates			51660.8	52688.6	53072.1	52048.8			
480-192386-D-31-B	UNK	11/18/21 12:50:30 pm	0.00	-27	114.33			1.0000	N/A
Replicates			-15.4	-62.1	-23.3	-6.8			
480-192386-C-36-B	UNK	11/18/21 12:51:49 pm	0.00	19	23.51			1.0000	N/A
Replicates			22.7	23.2	10.7	20.2			
CCV	CCV	11/18/21 12:53:08 pm	2.12	27126	1.37			1.0000	106.11
Replicates			26613.1	27255.0	27495.5	27139.0			
CCB	CCB	11/18/21 12:54:26 pm	0.00	4	155.18			1.0000	N/A
Replicates			-6.5	26.0	-7.5	6.0			
480-192386-C-37-B	UNK	11/18/21 12:55:45 pm	0.00	24	20.35			1.0000	N/A
Replicates			25.3	30.9	16.2	24.9			
480-192386-C-38-B	UNK	11/18/21 12:57:04 pm	0.00	43	31.32			1.0000	N/A
Replicates			37.6	33.2	65.4	35.2			
480-192386-C-39-D	UNK	11/18/21 12:58:21 pm	0.00	5	234.26			1.0000	N/A
Replicates			-1.6	40.6	-4.1	-15.4			
480-192386-C-39-Dsd@5	UNK	11/18/21 12:59:39 pm	0.00	23	52.81			1.0000	N/A
Replicates			25.1	25.9	2.2	38.2			
480-192386-C-39-E MS	UNK	11/18/21 01:00:56 pm	4.21	53795	1.08			1.0000	N/A
Replicates			53113.6	54001.0	54474.5	53591.0			
480-192386-C-39-F MSD	UNK	11/18/21 01:02:14 pm	4.21	53835	1.15			1.0000	N/A
Replicates			53047.7	54047.0	54518.7	53728.2			
480-192386-C-40-B	UNK	11/18/21 01:03:32 pm	0.00	13	90.71			1.0000	N/A
Replicates			-7.1	29.5	5.7	22.5			

Sample Name	Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Residual	Flags	DF	% Recovery
480-192386-C-41-B	UNK	11/18/21 01:04:50 pm	0.00	3	92.17			1.0000	N/A
Replicates		6.4 4.4 9.6 -8.4							
480-192386-C-42-B	UNK	11/18/21 01:06:08 pm	0.00	-11	638.42			1.0000	N/A
Replicates		2.3 -37.6 28.6 -35.6							
480-192386-C-43-B	UNK	11/18/21 01:07:26 pm	0.00	54	7.99			1.0000	N/A
Replicates		48.3 54.5 60.0 55.0							
CCV	CCV	11/18/21 01:08:46 pm	2.12	27084	1.35			1.0000	105.95
Replicates		26594.0 27183.0 27476.3 27082.8							
CCB	CCB	11/18/21 01:10:04 pm	0.00	10	116.34			1.0000	N/A
Replicates		34.1 9.0 -11.3 9.7							
480-192386-C-44-B	UNK	11/18/21 01:11:22 pm	0.00	-1	673.94			1.0000	N/A
Replicates		-6.1 22.2 17.2 -39.0							
480-192386-C-45-B	UNK	11/18/21 01:12:41 pm	0.00	-1	205.55			1.0000	N/A
Replicates		-10.4 -3.7 11.3 -1.7							
480-192386-C-46-B	UNK	11/18/21 01:14:00 pm	0.00	21	8.95			1.0000	N/A
Replicates		20.9 24.0 18.5 19.7							
480-192275-C-1-C	UNK	11/18/21 01:15:19 pm	0.00	26	136.47			1.0000	N/A
Replicates		72.0 7.0 51.0 -24.8							
480-192275-C-2-C	UNK	11/18/21 01:16:36 pm	0.00	27	80.11			1.0000	N/A
Replicates		9.3 66.3 13.3 20.6							
480-192275-C-3-C	UNK	11/18/21 01:17:54 pm	0.00	14	103.47			1.0000	N/A
Replicates		-2.7 33.0 29.7 -4.3							
MB 480-605413/1-A	UNK	11/18/21 01:19:11 pm	0.00	-3	531.65			1.0000	N/A
Replicates		11.7 -9.2 -14.7 -1.5							
LCS 480-605413/2-A	UNK	11/18/21 01:20:29 pm	4.21	53795	1.10			1.0000	N/A
Replicates		53010.5 54022.8 54405.6 53743.1							
LCSD 480-605413/3-A	UNK	11/18/21 01:21:47 pm	4.11	52541	1.14			1.0000	N/A
Replicates		51793.5 52762.5 53206.3 52403.3							
480-192275-C-4-G	UNK	11/18/21 01:23:05 pm	0.00	1	323.27			1.0000	N/A
Replicates		-24.1 1.8 30.6 -2.7							
CCV	CCV	11/18/21 01:24:25 pm	2.13	27198	1.35			1.0000	106.39
Replicates		26718.2 27337.8 27588.5 27146.5							
CCB	CCB	11/18/21 01:25:43 pm	0.00	3	225.96			1.0000	N/A
Replicates		24.0 10.7 -7.1 -17.3							
480-192275-C-4-Gsd@5	UNK	11/18/21 01:27:01 pm	0.00	29	62.12			1.0000	N/A
Replicates		13.8 30.3 13.1 59.1							
480-192275-C-4-H MS	UNK	11/18/21 01:28:19 pm	4.03	51524	1.21			1.0000	N/A
Replicates		50752.1 51774.8 52216.8 51353.8							

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
480-192275-C-4-I MSD	UNK	11/18/21 01:29:38 pm	4.07	52025	1.22			1.0000	N/A
Replicates		51229.2 52255.0 52731.5 51882.8							
480-192275-C-5-C	UNK	11/18/21 01:30:56 pm	0.00	-1	325.95			1.0000	N/A
Replicates		16.4 9.5 -16.3 -12.3							
480-192275-C-6-C	UNK	11/18/21 01:32:15 pm	0.00	16	86.63			1.0000	N/A
Replicates		9.4 -5.5 39.0 22.0							
480-192277-F-1-B	UNK	11/18/21 01:33:34 pm	0.00	24	32.61			1.0000	N/A
Replicates		37.2 24.4 19.9 14.6							
480-192278-E-1-B	UNK	11/18/21 01:34:51 pm	0.00	58	31.89			1.0000	N/A
Replicates		41.2 86.0 58.0 45.5							
480-192278-E-2-B	UNK	11/18/21 01:36:09 pm	0.00	18	96.32			1.0000	N/A
Replicates		28.5 10.2 43.0 -9.5							
480-192280-F-1-B	UNK	11/18/21 01:37:27 pm	0.00	51	32.05			1.0000	N/A
Replicates		55.3 25.6 53.9 68.6							
480-191955-F-1-B	UNK	11/18/21 01:38:44 pm	0.01	74	39.47			1.0000	N/A
Replicates		106.0 45.0 96.8 49.5							
CCV	CCV	11/18/21 01:40:04 pm	2.13	27201	1.41			1.0000	106.41
Replicates		26697.0 27338.2 27610.5 27160.0							
CCB	CCB	11/18/21 01:41:22 pm	0.00	-35	45.90			1.0000	N/A
Replicates		-19.7 -29.3 -41.8 -50.8							
480-191973-M-1-B	UNK	11/18/21 01:42:40 pm	0.00	30	39.13			1.0000	N/A
Replicates		25.0 47.3 34.8 14.3							
480-192011-C-25-B	UNK	11/18/21 01:43:58 pm	0.00	30	28.81			1.0000	N/A
Replicates		18.7 42.6 31.6 25.6							
480-192011-C-26-B	UNK	11/18/21 01:45:16 pm	0.00	32	48.70			1.0000	N/A
Replicates		40.9 33.4 48.4 6.2							
480-192040-D-1-B	UNK	11/18/21 01:46:34 pm	0.00	26	53.00			1.0000	N/A
Replicates		22.6 34.9 41.9 3.9							
480-192040-D-2-B	UNK	11/18/21 01:47:53 pm	0.00	25	50.67			1.0000	N/A
Replicates		35.7 37.7 5.2 19.5							
480-192040-D-3-B	UNK	11/18/21 01:49:11 pm	0.00	22	85.26			1.0000	N/A
Replicates		-11.3 28.0 27.8 44.8							
480-192040-D-4-B	UNK	11/18/21 01:50:30 pm	0.00	0	192.33			1.0000	N/A
Replicates		5.4 -13.4 12.1 -3.4							
480-192040-D-5-B	UNK	11/18/21 01:51:49 pm	0.01	58	29.38			1.0000	N/A
Replicates		54.7 85.8 50.0 43.3							
480-192040-D-6-B	UNK	11/18/21 01:53:07 pm	0.00	39	24.62			1.0000	N/A
Replicates		25.2 44.6 49.9 34.9							

Sample Name	Type	Date/Time	Conc (ug/L)	μAbs	%RSD	Residual	Flags	DF	% Recovery
480-192040-D-7-B	UNK	11/18/21 01:54:25 pm	0.00	31	70.49			1.0000	N/A
Replicates		11.8 11.7 66.4 34.7							
CCV	CCV	11/18/21 01:55:45 pm	2.13	27273	1.52			1.0000	106.69
Replicates		26714.8 27429.1 27699.8 27247.6							
CCB	CCB	11/18/21 01:57:02 pm	0.00	10	73.66			1.0000	N/A
Replicates		17.7 -6.9 12.9 14.4							
480-192040-D-8-B	UNK	11/18/21 01:58:20 pm	0.00	32	17.09			1.0000	N/A
Replicates		24.1 38.1 30.4 36.9							
MB 480-605414/1-A	UNK	11/18/21 01:59:38 pm	0.00	20	51.28			1.0000	N/A
Replicates		34.7 19.5 2.8 24.5							
LCS 480-605414/2-A	UNK	11/18/21 02:00:56 pm	3.78	48268	1.27			1.0000	N/A
Replicates		47477.0 48503.4 48922.4 48169.4							
480-192040-D-9-B	UNK	11/18/21 02:02:14 pm	0.00	5	172.56			1.0000	N/A
Replicates		-1.6 5.8 28.8 -13.7							
480-191961-B-1-B	UNK	11/18/21 02:03:32 pm	0.00	44	47.28			1.0000	N/A
Replicates		11.4 57.1 64.6 43.4							
480-191961-B-2-B	UNK	11/18/21 02:04:51 pm	0.00	20	27.39			1.0000	N/A
Replicates		12.2 29.5 20.0 19.8							
480-191961-B-3-B	UNK	11/18/21 02:06:09 pm	0.00	24	53.69			1.0000	N/A
Replicates		31.5 43.6 8.9 13.6							
480-191961-B-4-D	UNK	11/18/21 02:07:28 pm	0.00	10	18.00			1.0000	N/A
Replicates		10.5 6.1 11.9 12.4							
480-191961-B-4-Dsd@5	UNK	11/18/21 02:08:46 pm	0.00	33	63.54			1.0000	N/A
Replicates		51.5 45.6 35.4 -2.4							
480-191961-B-4-E MS	UNK	11/18/21 02:10:05 pm	4.26	54488	1.29			1.0000	N/A
Replicates		53514.6 54692.6 55179.1 54564.4							
CCV	CCV	11/18/21 02:11:25 pm	2.14	27325	1.47			1.0000	106.89
Replicates		26780.4 27470.8 27736.3 27312.3							
CCB	CCB	11/18/21 02:12:43 pm	0.00	30	40.08			1.0000	N/A
Replicates		11.0 37.4 43.9 28.1							
480-191961-B-4-F MSD	UNK	11/18/21 02:14:01 pm	4.09	52273	1.24			1.0000	N/A
Replicates		51386.7 52430.1 52944.9 52328.9							
480-191961-B-5-B	UNK	11/18/21 02:15:19 pm	0.00	24	75.50			1.0000	N/A
Replicates		57.1 13.1 8.1 17.9							
480-191961-B-6-B	UNK	11/18/21 02:16:37 pm	0.00	1	336.98			1.0000	N/A
Replicates		6.5 13.5 16.5 -32.0							
480-191961-B-7-B	UNK	11/18/21 02:17:56 pm	0.00	-3	973.73			1.0000	N/A
Replicates		19.1 -1.2 8.5 -38.5							

Sample Name	Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags	DF	% Recovery
480-191961-B-8-B	UNK	11/18/21 02:19:14 pm	0.00	14	162.61			1.0000	N/A
Replicates		-5.3 20.1 -15.1 55.1							
480-192323-E-1-A	UNK	11/18/21 02:20:32 pm	0.00	16	100.52			1.0000	N/A
Replicates		0.1 5.2 47.7 10.7							
480-192386-C-1-B	UNK	11/18/21 02:21:50 pm	0.01	89	8.67			1.0000	N/A
Replicates		88.8 88.0 99.8 79.8							
480-192386-C-2-B	UNK	11/18/21 02:23:09 pm	0.00	47	22.82			1.0000	N/A
Replicates		29.3 53.8 55.0 48.8							
480-192386-C-3-B	UNK	11/18/21 02:24:27 pm	0.00	16	113.06			1.0000	N/A
Replicates		-6.3 50.0 17.5 3.5							
480-192386-C-4-B	UNK	11/18/21 02:25:46 pm	0.00	39	62.80			1.0000	N/A
Replicates		4.1 49.0 70.0 32.0							
CCV	CCV	11/18/21 02:27:05 pm	2.15	27516	1.43			1.0000	107.64
Replicates		26973.4 27630.3 27911.8 27548.1							
CCB	CCB	11/18/21 02:28:23 pm	0.00	35	41.39			1.0000	N/A
Replicates		60.0 23.3 27.8 29.3							
480-192386-C-5-B	UNK	11/18/21 02:29:42 pm	0.00	38	58.47			1.0000	N/A
Replicates		67.4 50.2 17.9 15.4							
480-192386-C-6-B	UNK	11/18/21 02:31:01 pm	0.00	21	104.87			1.0000	N/A
Replicates		-14.7 27.3 51.8 18.3							
480-192386-C-7-B	UNK	11/18/21 02:32:19 pm	0.00	9	150.66			1.0000	N/A
Replicates		37.4 -15.7 2.1 12.8							
480-192386-C-8-B	UNK	11/18/21 02:33:38 pm	0.00	10	126.38			1.0000	N/A
Replicates		-3.1 8.2 37.4 -3.8							
480-192386-C-9-B	UNK	11/18/21 02:34:56 pm	0.00	18	49.53			1.0000	N/A
Replicates		32.6 21.1 8.3 8.8							
480-192386-C-10-B	UNK	11/18/21 02:36:14 pm	0.00	22	17.16			1.0000	N/A
Replicates		22.2 17.6 21.1 29.1							
CCV	CCV	11/18/21 02:37:34 pm	2.10	26870	1.50			1.0000	105.11
Replicates		26333.7 26986.7 27300.0 26861.0							
CCB	CCB	11/18/21 02:38:52 pm	0.00	30	25.70			1.0000	N/A
Replicates		41.1 21.3 23.8 33.5							
CCVL	CRDL	11/18/21 02:40:12 pm	0.22	2754	1.12			1.0000	107.94
Replicates		2716.0 2745.3 2787.8 2768.3							

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605257 Batch Start Date: 11/17/21 09:41 Batch Analyst: Merkle, Adam D

Batch Method: 3005A Batch End Date: 11/17/21 13:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MED_01_Si 00159	MED_01_W1 00069	MED_02_W2 00067	MED_03_Ag 00174
MB 480-605257/1		3005A, 6010C		50 mL	50 mL				
LCS 480-605257/2		3005A, 6010C		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-192275-C-1	828021-GW-14	3005A, 6010C	T	50 mL	50 mL				
480-192275-C-2	828021-GW-11	3005A, 6010C	T	50 mL	50 mL				
480-192275-C-3	828021-DUP-11112 021	3005A, 6010C	T	50 mL	50 mL				
480-192275-C-4	828021-GW-04	3005A, 6010C	T	50 mL	50 mL				
480-192275-C-4 MS	828021-GW-04	3005A, 6010C	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-192275-C-4 MSD	828021-GW-04	3005A, 6010C	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-192275-C-5	828021-GW-10	3005A, 6010C	T	50 mL	50 mL				
480-192275-C-6	828021-GW-2	3005A, 6010C	T	50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_04_Sn 00162	MED_05_S 00119				
MB 480-605257/1		3005A, 6010C							
LCS 480-605257/2		3005A, 6010C		0.25 mL	0.25 mL				
480-192275-C-1	828021-GW-14	3005A, 6010C	T						
480-192275-C-2	828021-GW-11	3005A, 6010C	T						
480-192275-C-3	828021-DUP-11112 021	3005A, 6010C	T						
480-192275-C-4	828021-GW-04	3005A, 6010C	T						
480-192275-C-4 MS	828021-GW-04	3005A, 6010C	T	0.25 mL	0.25 mL				
480-192275-C-4 MSD	828021-GW-04	3005A, 6010C	T	0.25 mL	0.25 mL				
480-192275-C-5	828021-GW-10	3005A, 6010C	T						
480-192275-C-6	828021-GW-2	3005A, 6010C	T						

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605257 Batch Start Date: 11/17/21 09:41 Batch Analyst: Merkle, Adam D

Batch Method: 3005A Batch End Date: 11/17/21 13:12

Batch Notes	
pH Indicator ID	HC911298
Digestion Tube/Cup ID	2106023
Pipette/Syringe/Dispenser ID	MDL-3
Analyst ID - Spike Analyst	AM
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	6758020
Nitric Acid ID	6778264
Digestion Unit ID	A
Thermometer ID	210702965
Thermometer Location ID	D3
Temperature - Uncorrected - Start	95.5 Degrees C
Temperature - Corrected - Start	95.5 Degrees C
Digestion Start Time	11/17/2021 09:41
Digestion End Time	11/17/2021 13:12
Temperature - Uncorrected - End	92.3 Degrees C
Temperature - Corrected - End	92.3 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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605378 Batch Start Date: 11/18/21 10:55 Batch Analyst: Kibby, Nicholas V

Batch Method: 7470A Batch End Date: 11/18/21 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG1_WKG 02712			
MB 480-605378/1		7470A, 7470A		30 mL	50 mL				
LCS 480-605378/2		7470A, 7470A		30 mL	50 mL	2 mL			
480-192275-C-1	828021-GW-14	7470A, 7470A	T	30 mL	50 mL				
480-192275-C-2	828021-GW-11	7470A, 7470A	T	30 mL	50 mL				
480-192275-C-3	828021-DUP-11112 021	7470A, 7470A	T	30 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	2008043
Pipette/Syringe/Dispenser ID	Hg 8
Analyst ID - Spike Analyst	NK
Nitric Acid ID	6763740
Sulfuric Acid ID	6759392
Potassium Permanganate ID	6774889
Potassium Persulfate ID	6774849
Digestion Unit ID	HG-C
Thermometer ID	170435802
Temperature - Uncorrected - Start	92.2 Deg. C
Temperature - Corrected - Start	93.2 Deg. C
Digestion Start Time	1055
Digestion End Time	1255
Temperature - Uncorrected - End	92.4 Deg. C
Temperature - Corrected - End	93.4 Deg. C
Hydroxylamine ID	6720023
Batch Comment	1 & 2 Prep 0835

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605413 Batch Start Date: 11/18/21 10:55 Batch Analyst: Kibby, Nicholas V

Batch Method: 7470A Batch End Date: 11/18/21 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG1_WKG 02712			
MB 480-605413/1		7470A, 7470A		30 mL	50 mL				
LCS 480-605413/2		7470A, 7470A		30 mL	50 mL	2 mL			
LCS 480-605413/3		7470A, 7470A		30 mL	50 mL	2 mL			
480-192275-C-4	828021-GW-04	7470A, 7470A	T	30 mL	50 mL				
480-192275-C-4 MS	828021-GW-04	7470A, 7470A	T	30 mL	50 mL	2 mL			
480-192275-C-4 MSD	828021-GW-04	7470A, 7470A	T	30 mL	50 mL	2 mL			
480-192275-C-5	828021-GW-10	7470A, 7470A	T	30 mL	50 mL				
480-192275-C-6	828021-GW-2	7470A, 7470A	T	30 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	2008043
Pipette/Syringe/Dispenser ID	Hg 8
Analyst ID - Spike Analyst	NK
Nitric Acid ID	6763740
Sulfuric Acid ID	6759392
Potassium Permanganate ID	6774889
Potassium Persulfate ID	6774849
Digestion Unit ID	HG-B
Thermometer ID	170435802
Temperature - Uncorrected - Start	92.1 Deg. C
Temperature - Corrected - Start	93.1 Deg. C
Digestion Start Time	1055
Digestion End Time	1255
Temperature - Uncorrected - End	92.3 Deg. C
Temperature - Corrected - End	93.3 Deg. C
Hydroxylamine ID	6720023
Batch Comment	1 & 2 Prep 0835

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.

METALS BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192275-1

SDG No.: _____

Batch Number: 605413 Batch Start Date: 11/18/21 10:55 Batch Analyst: Kibby, Nicholas V

Batch Method: 7470A Batch End Date: 11/18/21 12:55

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

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-192275-1

Login Number: 192275
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	EA
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 G
Data Validation Report

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DATA VALIDATION REPORT

Golden Road Disposal Site

SDGs 480-192275

Chemical Analyses Performed by:

Eurofins TestAmerica Buffalo

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

January 19, 2022



DATA USABILITY SUMMARY REPORT FOR TOTAL METALS

PROJECT: Golden Road Disposal

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Eurofins TestAmerica, Buffalo

SAMPLE DELIVERY GROUP: 480-192275

SAMPLE DATES: 11/10/2021, 11/11/2021

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
828021-GW-14	480-192275-1
828021-GW-11	480-192275-2
828021-DUP-11112021	480-192275-3
828021-GW-04	480-192275-4
828021-GW-10	480-192275-5
828021-GW-2	480-192275-6

The samples described above were analyzed via United States Environmental Protection Agency (USEPA) SW-846 Method 6010C to determine the concentrations of metals and Method 7470A to determine mercury concentrations.

Project specific quality assurance (QA) objectives and the USEPA Region II SOP, Hazardous Waste Support Section SOP No. HW-3a Revision 1 ISM02.2 ICP-AES Data Validation, September 2016, SOP No. HW-2C, Rev. 15 Mercury and Cyanide Data Validation, December 2012, and the United States Environmental Protection Agency (USEPA) Contract Laboratory National Functional Guidelines for Inorganic Superfund Methods Data Review, OLEM 9355.0-135, EPA-540-R-2017-001, (USEPA 2017) have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with "R", rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

All data users should note two facts. First, an "R" flag means that the associated value is unusable due to significant quality control (QC) problems, the data is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on any data tables even as a last resort. Second, no analyte concentration, even if it passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes in the samples whose holding time has been exceeded will be qualified as estimated, "J-", or unusable, "R", if holding times are grossly exceeded.

The samples in this SDG were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples contained in SDG were prepared and analyzed within the holding times established in the method and validation criteria.

2. BLANK CONTAMINATION

Quality assurance blanks, which include method, trip, field, or rinse blanks, are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blank Contamination

Method blanks were evaluated at the proper frequency. Upon evaluation, no target analytes were found above the method detection limit (MDL) in any associated method blank.

Field or Rinse Blank Contamination

No field/equipment blank was submitted in association with this SDG.

3. CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data.

Initial and Continuing Calibration Verification

The initial calibration curve and its verification demonstrate that the instrument is capable of giving acceptable performance at the beginning of the analytical sequence. The continuing calibration verification standards provide information as to the continuing stability of the calibration curve.

All initial and continuing calibration verifications that bracketed sample analyses associated with this SDG were within acceptance limits (90-110% recovery for all metals exception 98-115% for mercury).

Initial and Continuing Calibration Blanks

Qualification of sample results due to ICB contamination affects all samples in the analytical sequence while CCB contamination only affects samples immediately after or before the non-compliant CCB. If the highest level of contamination is found in the field or method blank, all samples are qualified based on that observation.

All initial and continuing calibration blanks (ICB/CCBs) were analyzed at the proper frequency. All ICB and CCBs associated with the samples in this SDG were evaluated. No problems were found for this criterion.

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 828021-GW-04 was submitted for matrix spike evaluation in association with this SDG. No problems were found for this criterion.

5. LABORATORY DUPLICATE

The laboratory duplicate sample analysis is performed to determine long-term precision of the analytical method in a given matrix. The relative percent difference (RPD) between the sample and its duplicate may be used to qualify data.

No sample was analyzed as a laboratory duplicate in association with this SDG.

6. LABORATORY CONTROL SAMPLE

The laboratory control sample (LCS) is a quality control sample of known concentration, which is processed along with a batch of samples. The percent recovery of the LCS can be used to assess the accuracy of the analytical procedure performed by a specific individual, during a specific time period, and utilizing the same reagents and equipment as those used for sample analyses. The LCS data is independent of sample matrix and the results may formulate a basis for qualification.

LCS and LCS duplicates were processed at the proper frequency. Upon evaluation, all precision and accuracy indicators were favorable.

7. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 828021-GW-14 and 828021-DUP-11112021 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

8. ICP INTERFERENCE CHECK SAMPLE

An ICP interference check sample (ICS) must be analyzed for ICP-AES. All elements in the ICP-AES interference check sample solution ICSA should exhibit recoveries within acceptance limits (+/- CRQL of the true/mean value or +/-20% of the true value, whichever is greater) for the aqueous matrix. All elements in the ICP-AES solution ICSAB should exhibit acceptable recoveries (80-120% limits).

ICSA and ICSB solutions were properly analyzed and upon evaluation, found to be acceptable.

9. ICP SERIAL DILUTION

The serial dilution determines whether significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high (concentration in the original sample is greater than 50 times the MDL, the percent difference between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 10. For a serial dilution analysis that does not meet the technical criteria, the action was applied to all samples of the same matrix.

Sample 828021-GW-04 was analyzed as a serial dilution in association with the samples in this SDG. No problems were found with this criterion.

10. OTHER

None.

**Table 1
Review Elements Summary**

	Were acceptance criteria met?		
	Yes	No	
Metals		Major	Minor
Holding Time/Sample Handling	x		
Method Blank	x		
Field or Rinse Blank	NA		
Initial Calibration	x		
Initial and Continuing Calibration Verification	x		
Initial and Continuing Calibration Blanks	x		
Matrix Spike/Matrix Spike Duplicate	x		
Laboratory Duplicate	NA		
Laboratory Control Sample	x		
Field Duplicate	x		
ICP Interference Check Sample	x		
ICP Serial Dilution	x		
Other	x		

	Were acceptance criteria met?		
	Yes	No	
Mercury		Major	Minor
Holding Time	x		
Calibration	x		
Blank Contamination	x		
Laboratory Duplicate	NA		
Laboratory Control Samples	x		
Matrix Spike/Matrix Spike Duplicate	x		
Field Duplicate	x		
Other Quality Control Data out of Specification	x		

Major= Major data quality issue identified resulting in rejection of data.

Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.

NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.



DATA USABILITY SUMMARY REPORT FOR SEMIVOLATILES

PROJECT: Golden Road Disposal

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Eurofins TestAmerica, Buffalo

SAMPLE DELIVERY GROUP: 480-192275

SAMPLE DATES: 11/10/2021, 11/11/2021

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
828021-GW-14	480-192275-1
828021-GW-11	480-192275-2
828021-DUP-11112021	480-192275-3
828021-GW-04	480-192275-4
828021-GW-10	480-192275-5
828021-GW-2	480-192275-6

The samples described above were analyzed via USEPA SW-846 8270D to determine the concentrations of semivolatile organic analytes (SVOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D, SOP # HW-22 Rev.5, December 2010 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with "R", rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, "All data users should note two facts. First, the "R" flag 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 compound is present or not. "R" values should not appear on data tables even as a last resort. The 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."

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in SDG were received by the laboratory within the proper temperature range outlined in validation guidance.

The samples in this SDG were prepared and analyzed within the holding time specified in the validation guidelines for all initial analyses. Based on several quality control nonconformances as discussed in the remainder of this report, the laboratory decided to re-extract and re-analyze all samples. All samples were re-extracted 6-7 days past the extraction holding time. Both sets of data were reported by the laboratory. Upon evaluation, the data validator used all initial sample results as reportable and applied validation qualifiers as appropriate. The results from all re-analysis are marked as not reportable and validation qualifications were not applied.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during laboratory preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of the method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank with the following exception.

Naphthalene was positively identified in the method blank associated with all reported samples. All naphthalene results for the reported samples were non-detected and validation action was not required.

Field Blanks

No samples were submitted as equipment/field blanks in association with this sample collection event.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for semivolatiles is decafluorotriphenylphosphine (DFTPP). All tunes were fully compliant for method 8270D.

4. CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a “closing” calibration verification and ascertains acceptable performance at the conclusion of the run.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The response factors for the target compound list (TCL) analytes must be ≥ 0.05 in both the initial and continuing calibrations. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is < 0.05 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Difference

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent difference (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instruments daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be $< 20\%$.

A %RSD value outside the initial calibration limit indicates the potential for quantitation errors. For this reason, all positive and non-detected results are qualified as estimated. Severe performance failures (RSD $> 90\%$) requires rejection of non-detected results.

The %D for continuing calibration verification (CCV) must be $< 20\%$.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated "J," and non-detects are qualified with "UJ."

All initial calibration, ICV and CCV %RSD and %D values were within defined QC criteria with the following exceptions.

The observed %D for carbazole did not meet acceptance criteria during a CCV associated with all reported samples. The non-detected results reported for the carbazole have been qualified estimated "UJ" on this basis.

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to 200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results are qualified "J," estimated. When an observed area count is <50%, results are qualified "J" or "UJ" as appropriate; however, should area counts be <25%, all associated non-detect results are qualified "R," rejected.

The reported sample analysis had internal standard areas within acceptance criteria in all cases.

6. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique.

The reported sample analyses had observed surrogate recoveries within the established limits with the following exceptions.

The surrogate recovery for 2,4,6-Tribromophenol (TBP) was greater than the upper acceptance limit for sample 828021-DUP-11112021 affecting the acid fraction. Per validation guidance, no action is required if one surrogate is out per fraction (acid or base/neutral). The surrogate recoveries for Nitrobenzene-d5(NBX), and 2-Fluorobiphenyl (FBP) were greater than the upper acceptance limit for sample 828021-DUP-11112021 affecting the base/neutral fraction. A high bias is indicated. Upon evaluation, all base/neutral results were non-detected, therefore validation action was not applicable for high bias.

The surrogate recoveries for TBP, NBX, and FBP were greater than the upper acceptance limits for the laboratory control sample (LCS) associated with all initial(reported) samples Validation action was not taken on this basis.

The surrogate recoveries for NBX and FBP were greater than the upper acceptance limits for the method blank associated with all initial(reported) samples Validation action was not taken on this basis.

7. COMPOUND IDENTIFICATION

Semivolatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound, and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Semivolatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

No semivolatile TICs were reported.

8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 828021-GW-04 was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation precision and accuracy were acceptable or did not result in a need to qualify sample results.

9. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS evaluations were performed at the proper frequency and resulted in acceptable precision and accuracy with the following exceptions.

The LCS percent recoveries for thirty-two analytes were greater than the upper acceptance limits indicating a high bias. The noncompliant LCS is associated with all reported results. Upon evaluation, all results reported for the impacted analytes were non-detected, validation action was not required for high bias.

10. REPORTING

In the case of dilutions, re-extractions, and other re-analyses, the validator has selected the best and final result for reporting of each analyte. Note when dilutions were performed elevated reporting limits were provided.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 828021-GW-14 and 828021-DUP-11112021 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

**Table 1
Review Elements Summary**

	Were acceptance criteria met?		
	Yes	No	
		Major	Minor
Semivolatile Organics 8270D			
Holding Time/Sample Handling	x		
Method Blanks	x		
Field Blanks	x		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards Performance	x		
Surrogates	x		
Compound Identification - Semivolatile	x		
Tentatively Identified Compounds – Semivolatile	NA		
Matrix Spike/Matrix Spike Duplicate	x		
Laboratory Control Sample/Laboratory Control Sample Duplicate	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.

Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.

NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.



DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: Golden Road Disposal

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Eurofins TestAmerica, Buffalo

SAMPLE DELIVERY GROUP: 480-192275

SAMPLE DATES: 11/10/2021, 11/11/2021

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
828021-GW-14	480-192275-1
828021-GW-11	480-192275-2
828021-DUP-11112021	480-192275-3
828021-GW-04	480-192275-4
828021-GW-10	480-192275-5
828021-GW-2	480-192275-6
8260 TRIP BLANK	480-192275-7

The samples described above were analyzed via USEPA SW-846 8260C to determine the concentrations of low/medium volatile organic analytes (VOAs).

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C, SOP NO. HW-24 Revision 4, September 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with "R," rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, "All data users should note two facts. First, the "R" flag 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 compound is present or not. "R" values should not appear on data tables even as a last resort. The 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."

1. HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this SDG were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples in this SDG were prepared and analyzed within the holding time specified in the validation guidelines.

2. BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this SDG at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were submitted in association with this SDG.

Trip Blanks

Trip blank 8260 TRIP BLANK was submitted in association with all samples in this SDG. No problems were found for this criterion.

Field Blanks

No samples were submitted as field blanks in association with this SDG.

3. MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

4. CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 12-hour analytical sequence, denoted as a "closing" calibration verification, and ascertains acceptable performance at the conclusion of the analytical sequence.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the VOA target compound list (TCL) compounds must be greater than the RRFs listed in Region II validation guidelines. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is below the specified limit for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations for method 8260C were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument's daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be $\leq 20\%$.

A %RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated and non-detect results are qualified using professional judgement.

The %D for opening continuing calibration must be $\leq 30\%$

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as "J," estimated, and non-detects are qualified with "UJ."

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria with the following exceptions

An initial and/or continuing calibration %D was outside of acceptance criteria for acetone. All samples were associated with the noncompliant calibrations. The non-detected results reported for acetone for all samples have been qualified estimated "UJ" on this basis.

Please note, the laboratory did not perform closing continuing calibration verifications. Therefore, those criteria were not evaluated during validation. No qualification was applied on this basis.

5. INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 30 seconds from the associated continuing calibration standard. The area count must be within -50% to +200% range of the associated standard. If area count is >200%, non-detected results are not qualified while positive results associated with the non-compliant internal standard are qualified "J," estimated. However, when an observed area count is <50%, positive results associated with the non-compliant are qualified "J," estimated, while non-detected results are rejected.

Internal standard area counts are within acceptance criteria for all samples.

6. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique. The observed recovery must be within laboratory limits as outlined in the project specific validation guidance.

The reported sample analyses and method blank analyses had observed surrogate recoveries within the established acceptance limits in all cases.

7. COMPOUND IDENTIFICATION

Volatile

The project target analyte compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated, and all identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to 85% match, the results are qualified "NJ," tentatively identified. If the non-target compound is reported as an unknown, the result is qualified "J," estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to "unknown" and the result is qualified "J," estimated.

Volatile TICs were not reported.

8. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

The matrix spike and matrix spike duplicate (MS/MSD) are generated to determine the precision and accuracy of the analytical procedure in a given sample matrix.

Sample 828021-GW-04 was submitted for MS/MSD analyses in association with this SDG. Upon evaluation precision and accuracy were acceptable or did not result in a need to qualify sample results.

9. LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

LCS evaluations were processed at the proper frequency. Upon evaluation all accuracy criteria were acceptable.

10. REPORTING

In the case of dilutions, re-extractions, and other re-analyses, the validator has selected the best and final result for reporting of each analyte. Note when dilutions were performed elevated reporting limits were provided.

The following samples were analyzed at 2-fold dilutions due to foaming at the time of purging: 828021-GW-14 and 828021-DUP-11112021.

11. OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

12. FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

Samples 828021-GW-14 and 828021-DUP-11112021 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

13. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Overall the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

**Table 1
Review Elements Summary**

	Were acceptance criteria met?		
	Yes	No	
Volatiles		Major	Minor
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	x		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference			x
Internal Standards	x		
Surrogates	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Matrix Spike/Matrix Spike Duplicate	x		
Laboratory Control Sample/Laboratory Control Sample Duplicate	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	x		

Major= Major data quality issue identified resulting in rejection of data.

Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.

NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.