Periodic Review Report
Carroll Town Landfill Site
NYSDEC Site Number 907017

Prepared for

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

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
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October 2022
Version: FINAL
EA Project No. 1602523.26

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3 October 2022

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
ABB	ABB Environmental Services, Inc.
As	Arsenic
DER	Division of Environmental Remediation
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EE	Environmental Easement
EEEG	Ecology and Environment Engineering and Geology, P.C.
EC	Engineering control
EPA	U.S. Environmental Protection Agency
Fe	Iron
FER	Final Engineering Report
ft	Foot (feet)
IC	Institutional control
Mg	Magnesium
Na	Sodium
ng/L	Nanogram(s) per liter
No.	Number
NYSDEC	New York State Department of Environmental Conservation
PDB	Passive diffusion bag
P.E.	Professional Engineer
PFAS	Per-and polyfluoroalkyl substances
PFBS	Perfluorobutanesulfonic acid
PFHpA	Perfluoroheptanoic acid
PFHxS	Perfluorohexanesulfonic acid
PFOA	perfluorooctanesulfonic acid
PFOS	perfluorooctanesulfonic acid
P.G.	Professional Geologist
PRR	Period Review Report
QA	Quality assurance
ROD	Record of Decision
SCG	Standards, criteria, and guidance
SI	Site inspection
Site	Town of Carroll Landfill
SMP	Site Management Plan
SVOC	Semivolatile organic compound
TAL	Target Analyte List
VOC	Volatile organic compound

ES. EXECUTIVE SUMMARY

Table ES-1. Site Summary

Category	Summary/Results
Site Name/Site No.	Town of Carroll Landfill (NYSDEC Site No. 907017)
Institutional Controls	• Groundwater and Land Use Restrictions • SMP; Institutional Control/Engineering Control Plan; Monitoring Plan; Soil Management Plan; O&M Plan • Environmental Easement
Engineering Controls	• Cover System • Groundwater Containment • Monitoring wells • Soil cap, plume control
SMP	SMP – August 2020
Certification/Reporting Period	Certification Period: Annually, or as indicated by the NYSDEC. PRR Period: Within no more than eighteen (18) months after the Certificate of Completion is issued. This PRR is the first to be completed for the Site since the SMP was approved in August 2020 and covers the period 25 January 2021 – 25 May 2022.
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 August 2020. No site management reports were completed for the Site.
Site Management Activities	• May 2021 site visit conducted by EA • January 2022 site inspection conducted by EA • April 2022 groundwater sampling event conducted by EA
Site Inspection Findings/Concerns	• MW-103 destroyed. Could not locate MW-13, MW-111S or MW-111I. MW-112S inaccessible due to water surrounding well.
Groundwater Monitoring Findings/Results	• No volatile organic compound/semivolatile organic compound concentrations reported in exceedance of applicable standards, criteria, and guidance. • Metal exceedances (As, Fe, Mg, Na) consistent with background/historical results. • PFAS detections above guidance values consistent with previous sampling.
Recommendations	• Continue groundwater monitoring activities as described in SMP

Notes:
EA = EA Engineering, P.C. and its affiliate EA Science and Technology
As = Arsenic
Fe = Iron
Mg = Magnesium
Na = Sodium
No. = Number
NYSDEC = New York State Department of Environmental Conservation
O&M = Operation and maintenance
PFAS = Per-and polyfluoroalkyl substances
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 Town of Carroll Landfill (Site), which covers the period January 2021 through June 2022. 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 March 2009 (NYSDEC 2009). The information provided in this report summarizes the site inspection (SI) 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 area off of NYS Route 62 and the end of Whalgren Road in the Village of Frewsburg, Town of Carroll, Chautauqua County, New York (**Figure 1**), as part of a 305-acre property owned by the Town of Carroll. It is bounded by Conewango Creek to the north, northwest and west, and residential properties to the south and east. The area is immediately surrounded by farmland, wetlands, wooded areas, and private residential properties. The Site is not near any identified Potential Environmental Justice Area (NYSDEC 2020); the closest justice areas are in Jamestown, approximately 7 miles away.

The landfill occupies an area of approximately 20 acres and is made up of two irregularly shaped cells: East Landfill and the West Landfill cells. The East Landfill Cell is approximately 700 feet (ft) by 300 ft or 5.2 acres. The West Landfill Cell is approximately 900 ft by 450 ft or 9.3 acres in size (**Figure 2**). Vegetated ditches surround both cells and act as drainage to the adjacent field to the south, which eventually discharges to the wetlands before reaching Conewango Creek. A Frewsburg Water District supply well is located 500 ft downgradient of the West Landfill Cell boundary. The caps of both cells have varied ground surfaces with several flat areas that range from 1 to 10 ft in elevation. The fill material in the cells was reported as generally municipal in nature (e.g., brush and wood pieces, plastics and glass, miscellaneous metallic debris, paper, plastic toys, and tires) with industrial materials (e.g., metal turnings, empty drums, and metal debris) observed primarily in the northern portions of the West Landfill Cell.

1.2 INVESTIGATION HISTORY

Between December 1992 and March 1993, a hydrogeological investigation on the landfill was performed by Moody and Associates, Inc. The purpose of the investigation was to locate a new water supply well. The adjacent property, the Town of Carroll Public Works site, was identified as the probable site for the new water supply well. Water quality testing was performed on the aquifer, and the results revealed that volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) were above water quality standards. Subsequent analytical results indicated VOCs from leachate may have been migrating from the landfill into the municipal supply well. As

a result, the landfill site was classified as a potentially hazardous waste disposal site on 9 June 1992.

In February 1997, ABB Environmental Services, Inc. (ABB) performed a Preliminary Site Assessment on the landfill. The investigation determined that the site posed a significant threat to human health and/or the environment and action is required (ABB 1997). The NYSDEC then listed the site as a Class 2 on the Registry of Inactive Hazardous Waste Disposal Sites in New York in May 1998.

Between August 2004 and March 2005 O'Brien and Gere Engineers, Inc. (now Ramboll) performed a remedial investigation/feasibility study at the Site under contract to the NYSDEC. The RI involved soil vapor sampling, surface and subsurface soil sampling, surface water and groundwater sampling, sediment sampling, and leachate sampling, as well as laboratory analysis of field samples, surveying, data quality assurance (QA), and data interpretation. Fourteen monitoring wells were also installed at the Site as part of the RI (O'Brien and Gere 2006). The RI presented detailed findings regarding the physical characteristics of the site and included analytical results, an evaluation of human health risks, potential sources of contamination, and a fish and wildlife impact analysis. The RI also identified routes of migration and showed that leachate migration from the Site was the dominant mechanism by which VOC contamination migrated off-site (O'Brien and Gere 2006). According to the RI/FS, the West Landfill Cell contained approximately 60,000 cubic yards of material, and the East Landfill Cell contained approximately 30,000 cubic yards of contaminated material.

1.3 REGULATORY REQUIREMENTS AND REMEDIAL GOAL

As specified in the ROD (NYSDEC 2009), the remediation goals for the Site are to eliminate or reduce to the extent practicable:

- Exposure of persons at or around the Site to landfill waste
- Exposures to contaminated groundwater via Frewsburg Water District drinking water well located adjacent to the Site
- Environmental exposures of flora or fauna to inorganics in leachate and surface water
- The release of contaminants from soil into groundwater that may create exceedances of groundwater quality standards
- The potential for vapor intrusion into structures on or nearby the landfill.

Further, the remediation goals for the Site include attaining to the extent practicable: ambient groundwater quality standards.

1.4 REMEDIAL HISTORY

The ROD was signed in March of 2009. As the remedy for the Site, the ROD selected consolidation of the two landfill cells followed by the construction of a landfill cover to minimize infiltration of

surface water and subsequent migration of contamination from the landfill waste. Site remediation work began in May 2015 and was completed in September 2017.

The following actions were completed as part of the remedial work:

- Clearing and grubbing of the areas necessary to complete the work
- Grading of the West Landfill Cell to the Modified Pre-Cover Grading Plan
- Excavation of waste from the East Landfill Cell and placement of the waste on the West Landfill Cell
- Grading of the East Landfill Cell according to the East Landfill Modifications Plan
- Installation of the engineered soil cover, including demarcation the layer, 18 inches of common fill, and 6 inches of topsoil
- Grading and backfill placement in the East Landfill Cell Excavation Area
- Site restoration.

1.5 REMAINING CONTAMINATION

As stated in the ROD (NYSDEC 2009), 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.

Prior to 2022, the most recent groundwater sampling event was conducted in 2019 (Ecology and Environment Engineering and Geology, P.C. [EEEG] 2019). In September 2019, groundwater samples were collected from 12 of 19 existing monitoring wells. Because of the proximity of a drinking water supply well to the landfill, drinking water analytical methods were used for VOC and Target Analyte List (TAL) metals analysis. Groundwater monitoring well samples were also collected to analyze for the emerging contaminants per-and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. Iron, manganese, lead, and barium concentrations exceeding screening criteria were detected in several monitoring wells, consistent with concentrations detected during previous sampling rounds (EEEG 2019). Only one VOC, cis-1,2-dichloroethylene, was present at concentrations that exceeded the screening criteria (5.1 micrograms per liter [µg/L] in MW-102). 1,4-Dioxane was not detected above the 1 µg/L screening level in any of the wells sampled. Detections of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) did not exceed the screening criteria applicable at the time of sampling (70 nanograms per liter [ng/L]) in any of the wells sampled.

1.6 SITE MANAGEMENT AND ENVIRONMENTAL EASEMENT

All components of the site-wide remedy were completed no later than November 2017. Following completion of remedial activities, the NYSDEC had approved a Final Engineering Report (FER) for the Site (EEEG 2020a), which confirmed that the implementation of the remedy was consistent

with the requirements in the ROD. 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) (EEEG 2020b). 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 (EC) Plan
- Monitoring Plan
- Soil Management Plan
- Operation and Maintenance (O&M) Plan
- Environmental Easement.

The required control, in the form of an Environmental Easement (EE) is currently in place and discussed further in Section 2.2. The EE between the Town of Carroll and The People of the State of New York was recorded with Chautauqua County on 11 December 2020.

ECs for the Site include:

- Cover system/soil cap
- Groundwater containment/plume control
- Monitoring wells.

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. Human exposure to residual contamination at the Site will be addressed through the implementation of an EE recorded 11 December 2020 that will limit property to commercial or industrial use. Groundwater use will be prohibited without prior approval and an evaluation of soil vapor intrusion will be completed for any building built on or adjacent to the Site, with actions taken if necessary. 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) in August of 2021. Compliance with the approved SMP and annual certification by the property owner to NYSDEC will ensure the ICs and ECs remain effective.

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

A Post-Remedial Groundwater Monitoring and IC/EC Plan was outlined in the 2020 SMP in order to address remaining contamination at the Site (EEEG 2020b). 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 IC/ECs required by the Site.

2.1 POST-REMEDIAL GROUNDWATER MONITORING

Groundwater monitoring will be performed on a periodic basis to assess the performance of the remedy as outlined in the 2020 SMP (EEEG 2020b). Post-remedial groundwater monitoring, ECs, 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 (MW-13, MW-101S, MW-102S, MW-102I, MW-103, MW-109S, MW-109I, MW-109D, MW-111S, MW-111I, MW-112S, MW-113S, MW-114S, MW-115S, MW-116S, MW-117S, MW-117I, MW-117D, and MW-118S 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

The ICs required for the Site by the EE refer to non-physical mechanisms designed to:

- Identify the allowable use or development of the site
- Limit human exposure to site contaminants
- Prevent actions that would threaten the effectiveness of a remedy at or pertaining to this site
- Implement, maintain, and monitor ECs.

The EE also requires the following:

- Compliance with the SMP
- Restrictions on the use of groundwater as a source of potable or process water without necessary water quality treatment as determined by New York State Department of Health
- Periodic certification of ICs by the property owner
- Restriction on future property use that is no less restrictive than "commercial or industrial use" as defined by 6 New York Code of Rules and Regulations Part 375.

2.3 ENGINEERING CONTROLS

The ECs established at the Carroll Town Landfill Site are designed to limit contaminant migration by reducing the amount of infiltration that enters into the consolidated waste areas. Groundwater and sediment monitoring will be conducted so that contaminant migration and recontamination of remediated sediment does not occur. The analytical results for samples collected from the monitoring locations will be used to evaluate the control of contaminants at the Site. During the remedial activities at the Carroll Town Landfill Site, several ECs were installed to limit contaminant migration by reducing the amount of infiltration that enters the consolidated waste. The ECs installed during site remediation and the procedures for inspection and maintenance are summarized below:

- The ground surface of the West Landfill Cell was regraded to accept waste excavated from the East Landfill Cell and was graded to allow for adequate water drainage and slope stability.
- The excavated areas of the East Landfill Cell were graded to allow for sufficient surface water drainage and backfilled with uncontaminated fill as necessary.
- A soil cover system was installed and seeded to reduce surface water infiltration and soil erosion. This cover system must be inspected annually to assess the level off erosion and slope movement.
- Drainage swales were excavated and seeded on the perimeters of the cells to provide drainage routes for surface water runoff. These swales are also to be inspected annually.

2.4 SITE INSPECTIONS

In accordance with the SMP and EE, 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 State Superfund Program at the frequency specified in the SMP schedule. The ECs are inspected, reviewed, and certified by a NYS PE on an annual basis, with certification required to be submitted to NYSDEC as part of the PRR stating that there have been no changes to the ECs that have been

put in place as a result of the SMP. The SMP and EE do not specify which party is responsible for this inspection, therefore in 2021, NYSDEC directed EA to perform this task.

As described in the November 2020 Environmental Easement, the Town of Carroll (property owner) is required to submit an affidavit to NYSDEC annually certifying that there have been no changes to the executed environmental easement or other ICs that have been put in place as a result of the SMP.

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 EE
- 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 SMP (EEEG 2020).

2.5 INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICATION

The certified IC/EC form is provided in **Appendix A** of this PRR. Several ECs were installed during remedial activities to limit contaminant migration by reducing the amount of infiltration that enters the consolidated waste.

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3. MONITORING AND SAMPLING PLAN COMPLIANCE

The Monitoring Plan outlined in the SMP (EEEG 2020b) describes the measures for evaluating the performance and effectiveness of the chosen remedy to reduce or mitigate contamination at the Site and the affected site media. This includes: the sampling and analysis of appropriate media (i.e., groundwater); assessing compliance with applicable NYSDEC Standards, Criteria, and Guidance (SCGs) values, particularly ambient groundwater standards, Part 375 Soil Cleanup Objectives; assessing achievement of the remedial performance criteria; periodically evaluating site information to confirm that the remedy continues to be effective in protecting public health and the environment; and preparing necessary reports for the various monitoring activities.

Sampling did not occur in 2021 due to a miscommunication regarding responsibilities. Clarification of responsibilities under the SMP was provided to EA in December 2021; a consent order between the Town of Carroll (property owner) and NYSDEC indicates that the Department is responsible for groundwater sampling. EA scheduled sampling to occur in January 2022, but then rescheduled to April 2022 after an attempt to sample was determined to not be possible due to winter weather.

3.1 SITE INSPECTION

Observations from the 2021/2022 site inspections confirm compliance with all ICs and all aspects of ECs to be in good condition.

On 26 May 2021, 31 January 2022 and 4-6 April 2022, EA performed site inspections of on-site features, including the wetlands, disposal cell, and monitoring wells. The purpose of the inspections was to assess the condition of the site remedy including site infrastructure, disposal cell condition, and vegetation. With the exception of those noted below, all monitoring wells appeared to be in good condition, the disposal cell contained tall grass and some woody vegetation along the sides, and the wetlands appeared to be in good condition with no stressed vegetation or other visible impacts. 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.

Monitoring well inspections were performed to assess the conditions of the on-site monitoring wells (MW-101, MW-102, MW-102I, MW-103, MW-109S, MW-109I, MW-109D, MW-111S, MW-111I, MW-112S, MW-113S, MW-114S, MW-115S, MW-116S, MW-117S, MW-117I, MW-117D, and MW-118S) and of the overall Site. During both inspections, select wells (MW-111S, MW-111I) could not be located. The wells MW-111S and MW-111I appeared to be in thick brush and in a wetland area on the other side of a creek; and therefore, could not be accessed on foot. MW-13 was found in May 2021 but could not be located during the January 2022 inspection due to heavy snow or the April 2022 sampling event due to thick brush. MW-103 was found with bullet holes along the steel casing and was determined to be destroyed. In April 2022, new locks were placed on all accessible wells.

During the landfill inspection, erosion channels, depressions, seeps, or animal burrows were not noted. Vegetative stress was not noted, and the vegetation was healthy. Woody vegetation was noted along the outer perimeter of the landfill cells. During the January 2022 inspection, there was some fauna activity noticed on landfill cap, but no damage to cap was observed. During all site visits, a drainage swale consisting of a small channel of water and aquatic vegetation (i.e., cattails) was noted between the two landfill cells. Overall, the site drainage appeared to be functioning as designed. During the site inspections, the access roads (one from the Town of Carroll Highway Department and one from an unnamed road off of Ivory Road) were in good condition and were not deteriorated. There is no fencing around the site.

3.2 GROUNDWATER MONITORING

3.2.1 Groundwater Gauging

All located and accessible onsite wells were gauged using a water level meter as part of the 4–6 April 2022 groundwater monitoring event. Groundwater depths below monitoring well top of casings were used to estimate groundwater elevations and evaluate groundwater flow direction. **Table 1** summarizes the groundwater elevation data collected as part of the gauging event. **Figure 3** depicts corresponding groundwater elevation contours across the Site and the inferred groundwater flow direction. The direction of shallow groundwater flow is generally to the north toward Conewango Creek. There is possibly some variation in the local direction and magnitude of the shallow groundwater gradient at the east and west sides of the Site, which is likely due to variation in the overburden material at the site.

3.2.2 Groundwater Sampling

A total of 14 of 19 existing groundwater monitoring wells were sampled between 4 and 6 April 2022:

- Nine shallow wells (MW-101, MW-102, MW-109S, MW-113S, MW-114S, MW-115S, MW-116S, MW-117S, and MW-118S)
- Three intermediate wells (MW-102I, MW-109I, and MW-117I)
- Two deep wells (MW-109D and MW-117D).

MW-13 (Sentinel Well), MW-111S, and MW-111I could not be located in thick brush; and were therefore, not sampled. MW-103 was damaged and unsampleable. With the exception of MW-13, these wells were not sampled in 2019. MW-112S was inaccessible due to a body of water surrounding the well and could not be sampled.

Wells were purged and sampled in accordance with U.S. Environmental Protection Agency (EPA) Low-Flow Groundwater Sampling Procedures using both a peristaltic pump and Grundfos 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 Con-Test, a Pace Analytical Laboratory in East Longmeadow Massachusetts, for analysis on 7 April 2022.

3.2.3 Groundwater Sample Analytical Results

Groundwater samples were submitted for laboratory analysis of VOCs (EPA Method 8260C), SVOCs (EPA Method 8270D), PFAS (EPA Method 537.1) and TAL Metals (SW6010C). **Tables 2** through **4** summarize the analytical results for groundwater samples; results are compared to the NYSDEC groundwater standards and guidance values (NYSDEC Ambient Water Quality Standard Class GA Standard Guidance Values, Technical and Operational Guidance Series [TOGS] 1.1.1, 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[1] 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. Monitoring wells MW-102I, MW-113S, MW-115S, and MW-116S were the only wells to have detections of VOCs (**Table 2**); there were no SVOC detections in any wells. No VOCs or SVOCs were reported at concentrations exceeding applicable SCGs in any of the groundwater samples collected during the April 2022 effort.

Groundwater samples from the April 2022 effort had detections of aluminum, arsenic, barium, calcium, total chromium, cobalt, copper, iron, lead, magnesium, manganese, potassium, sodium, vanadium, and zinc. Arsenic, iron, manganese, and sodium were the only metals reported at concentrations exceeding applicable SCGs (**Table 3**). Arsenic was detected at a concentration exceeding the SCG (0.025 milligrams per liter [mg/L]) at monitoring wells MW-113S (0.056 mg/L), and MW-118S (0.038 mg/L). Iron was detected at a concentration exceeding the SCG (0.3 mg/L) at monitoring wells MW-101 (1.5 mg/L), MW-109D (0.65 mg/L), MW-109S (0.52 mg/L), MW-113S (6.2 mg/L), MW-114S (12 mg/L), MW-115S (3.2 mg/L), MW-116S (11 mg/L), MW-117D (0.86 mg/L), MW-117S (3.8 mg/L) and MW-118 (0.42 mg/L). Manganese was detected at concentrations exceeding the SCG (0.3 mg/L) at monitoring wells MW-101 (1.8 mg/L), MW-109S (2.1 mg/L), MW-113S (0.42 mg/L), MW-114S (0.72 mg/L), MW-115S (0.32 mg/L), MW-116S (1.3 mg/L), and MW-117D (0.32 mg/L). Sodium was detected at a concentration exceeding applicable SCGs (20 mg/L) at monitoring well MW-113S at a concentration of 21 mg/L. Detections and exceedances of analyzed metals are displayed in **Figure 4.** It should be noted that elevated concentrations of these metals have historically been detected in groundwater

[1] Note that at the time of PRR submittal, the analytical data has not been validated by a third-party data validator. EA has not received the Category B data package from the laboratory at this time and upon receipt, the data will be submitted for validation. The PRR will be updated with validated data once received.

samples collected from monitoring wells at the Site including upgradient (or background) wells (i.e., MW-13) (EEEG 2019).

Groundwater samples collected during the April 2022 effort had PFAS detections, including perfluorobutanesulfonic acid (PFBS), perfluoroheptanoic acid (PFHpA), Perfluorohexanesulfonic acid (PFHxS), Perfluorohexanoic acid (PFHxA), PFOS, and PFOA (**Table 4**). PFOS and PFOA were the only PFAS reported at concentrations exceeding applicable SCGs. PFOS was detected above applicable SCG (2.7 ng/L) at MW-101 (5.1 ng/L) and MW-115S (4.6 ng/L). PFOA was detected above SCGs (6.7 ng/L) at MW-115S at a concentration of 16 ng/L. Detections and exceedances of PFAS are displayed in **Figure 5.**

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 O&M 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 and sampling
- 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 bulk of the monitoring wells would not be impacted.

- ***Site Drainage and Storm Water Management***—The Site drains by overland flow northward 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 accessible monitoring wells are located just 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 the slopes of the drainage ditch and soil caps 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.

Passive diffusion bags (PDBs) 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 PDBs is the bags cannot be used to collect groundwater samples for the analysis of PFAS substances or metals.

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5. CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

Based on a review of results from the May 2021 site visit, January 2022 SI, and the April 2022 groundwater sampling and inspection event, the following conclusions can made:

- No evidence of unauthorized site activity or land use was found.
- Monitoring well MW-103 is damaged; MW-13, MW-111S, and MW-111I were not located. MW-112S could not be accessed due to its location in a wetland area.
- Based on available data, groundwater elevations and flow direction are consistent with historical findings.
- No VOC or SVOC concentrations were found to exceed applicable SCGs. Metal concentrations of arsenic, iron, manganese, and sodium in several wells exceed applicable SCGs but are consistent with historical results and likely reflect background concentrations. 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.
- PFOS/PFOA concentrations exceed applicable SCGs in two wells, MW-115S and MW-101, located in the East Landfill Cell. Compared to the 2019 sampling event, fewer wells had detections of PFAS, but given the change in PFAS SCG since 2019 (70 ng/L for both PFOS and PFOA versus 2.7 ng/L for PFOS and 6.7 ng/L for PFOA), exceedances were noted in 2022 while there were no exceedances in 2019.
- ICs continue to be protective of human health and the environment.

5.2 RECOMMENDATIONS

Based on the observed condition of the Site from the May 2021 site visit, the January 2022 SI, and the results of the April 2022 groundwater sampling and inspection event, the following actions are recommended for the Town of Carroll Landfill Site:

- Annual SIs should continue to verify the ICs and ECs are in-place and effective. A SI report should also be completed following the inspection event. Severe weather event inspections (and associated reports) should be completed as needed.
- Further effort should be given to locating missing monitoring wells and confirming if they are viable for sampling or were destroyed.

— If monitoring wells, MW-111S and MW-111I, are not found, the location of MW-118 provides sufficient information for the northwest corner of the landfill in place of those wells.

— If MW-13, the Sentinel Well, is not located then the installation of replacement well should be considered. However, based on photographs taken during the SI from May 2021, the field team should be able use photographs taken to find the well during the next site visit, at which point it will be flagged to make it easier to find during future events at the site.

- Annual sampling events should continue to be performed according to the SMP (EEEG 2020) to monitor the remediation of the site contaminants and PFAS.

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 (June 2022 to June 2023):

- SIs – Annual (planned for January 2023)
- Severe Weather Event Inspection, as needed
- Groundwater – Annual (planned for March 2023)
- PRR – Annual (planned for July 2023).

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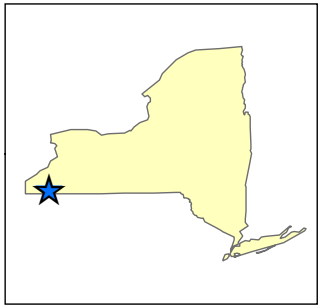
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Figures

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VICINITY MAP



Legend

Site Boundary
(Former Landfill Area)

N

0 1,250 2,500 Feet

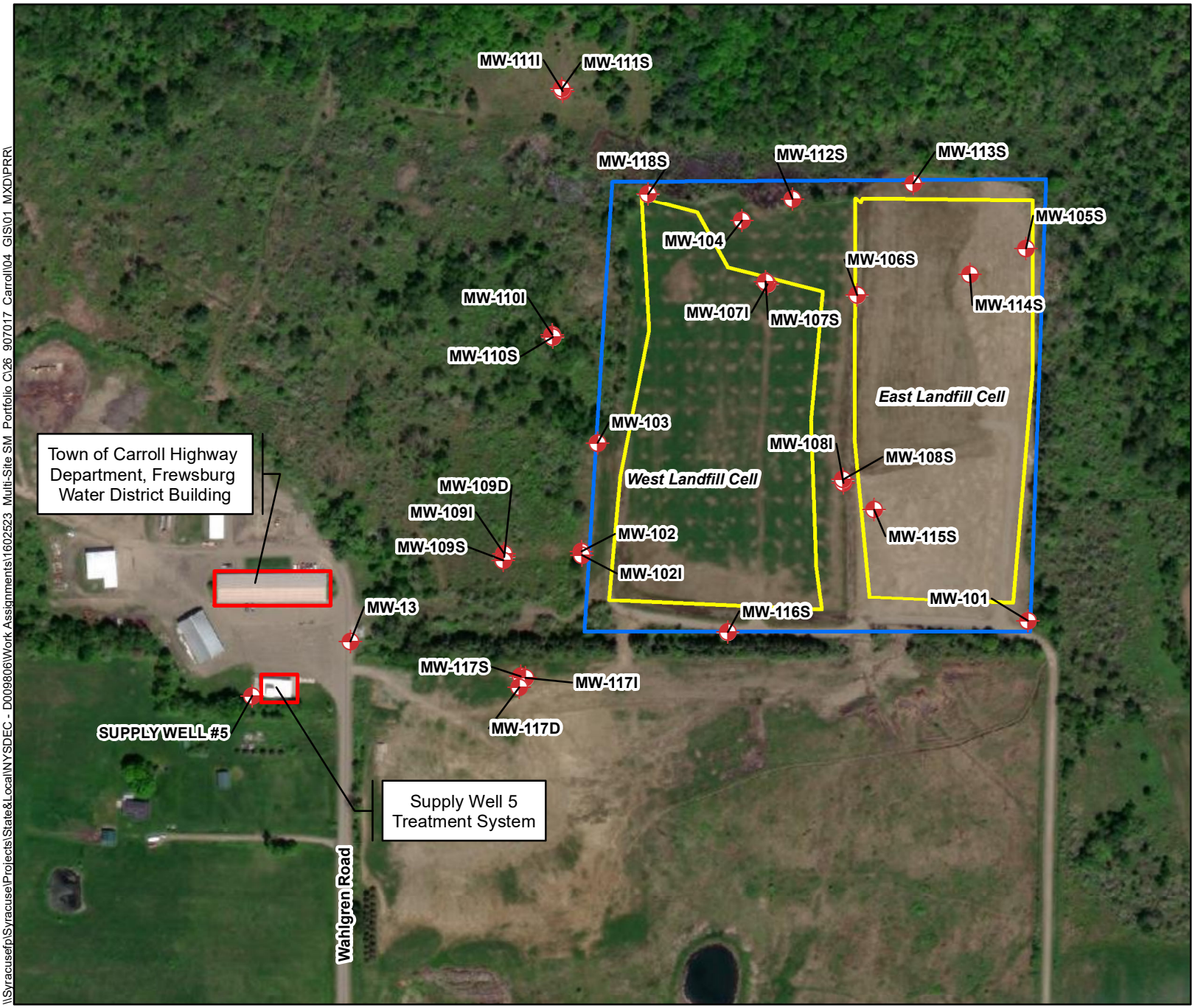
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Projection: UTM, NAD 83, Zone 18N

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

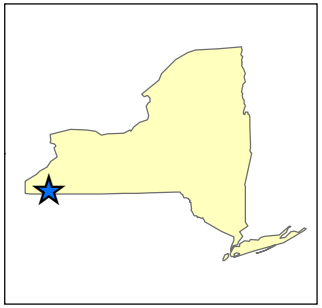
NEW YORK STATE OF OPPORTUNITY Department of Environmental Conservation

Figure 1
Site Location
Periodic Review Report
Carroll Town Landfill
Carroll, Chautauqua County, New York

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VICINITY MAP



Legend

- Site Boundary (Former Landfill Area)
- Landfill Cells
- Monitoring Well

N

0 100 200 400 600

Feet

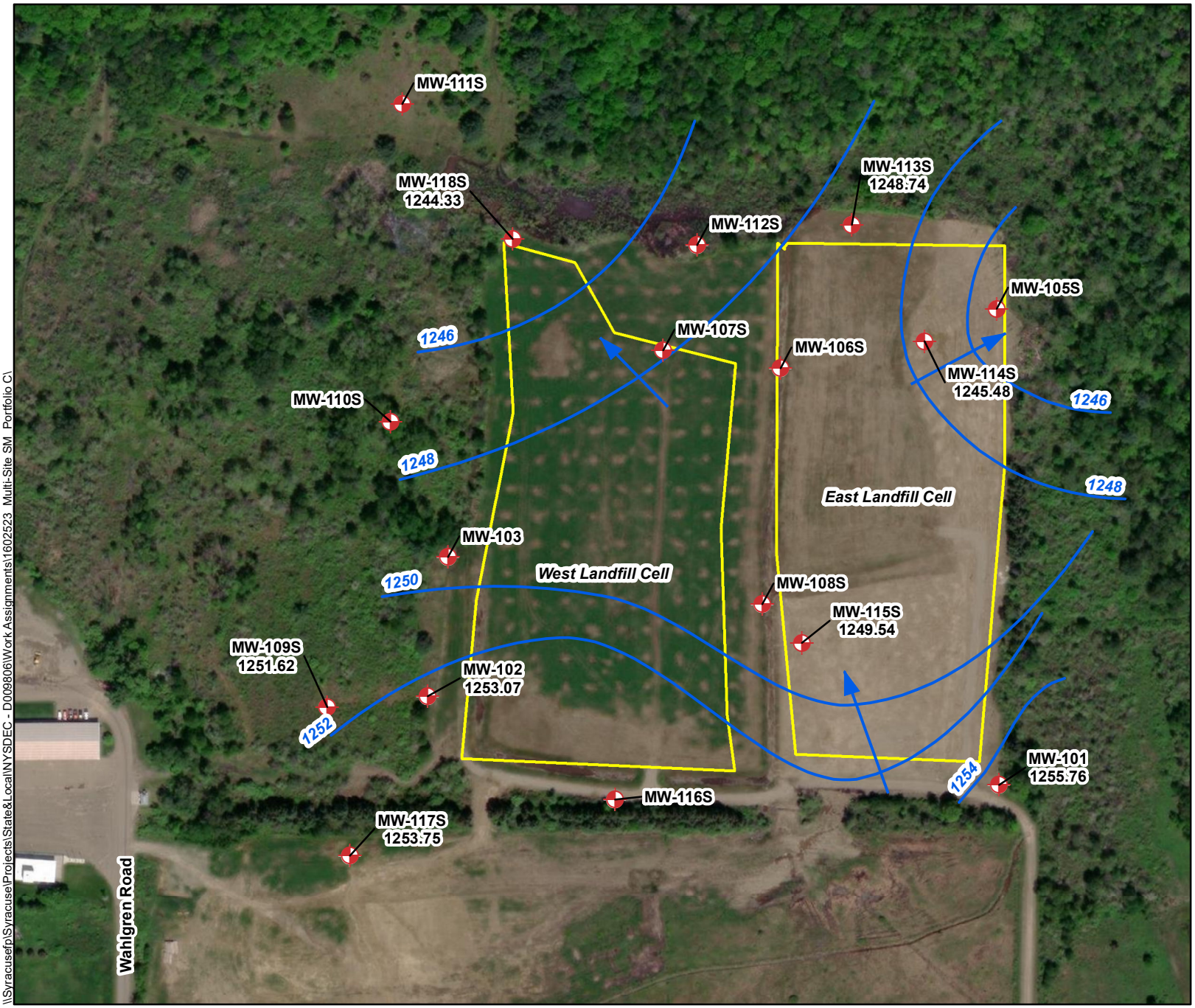
1 inch = 320 feet

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Projection: UTM, NAD 83, Zone 18N

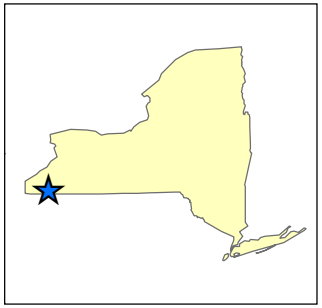
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Figure 2
Site Layout
Periodic Review Report
Carroll Town Landfill
Carroll, Chautauqua County, New York

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VICINITY MAP



Legend

- Landfill Cells
- Shallow Monitoring Well
- Shallow Groundwater Contour
- Groundwater Flow Direction

Notes:
Elevation values are reported in feet above mean sea level
Groundwater Elevation Contour Interval = 2.0 ft

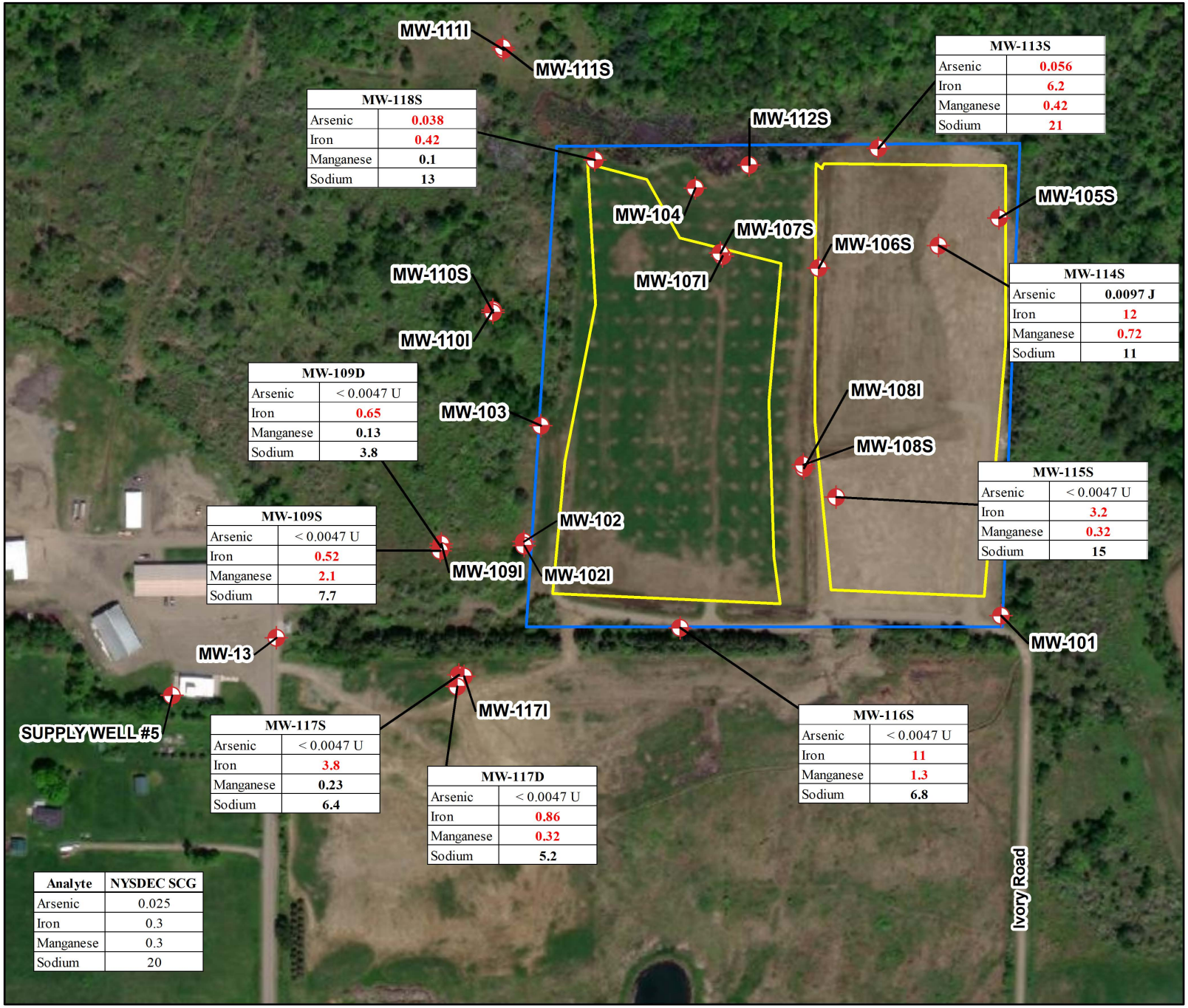
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Feet
1 inch = 250 feet

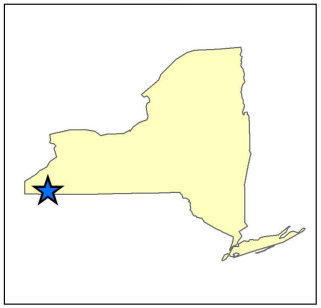
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Projection: UTM, NAD 83, Zone 18N

Figure 3
Groundwater Elevations and Estimated Flow Direction (April 2022)
Periodic Review Report
Carroll Town Landfill
Carroll, Chautauqua County, New York

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VICINITY MAP



Legend

- Carroll Town Landfill
- Monitoring Well
- Landfill Cell Boundaries

Bold value = Analyte detected
Red value = Analyte detected above cleanup standard

Units: Milligram(s) per liter (mg/L)

Note: Only wells with metals exceeding applicable standard/guidance value are shown.
SCG = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values)

0 150 300 Feet
1 in = 300 ft
N

Map Date: 6/28/2022
Projection: UTM, NAD 83, Zone 18N

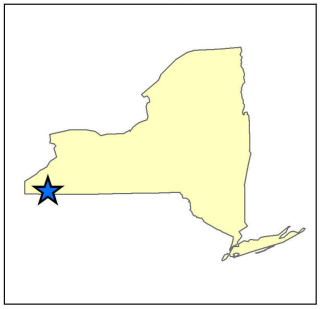
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Figure 4
Groundwater Analytical Results
April 2022 - Metals
Periodic Review Report
Carroll Town Landfill
Carroll, Chautauqua County, New York



Analyte	NYSDEC SCG
PFOS	2.7
PFOA	6.7

VICINITY MAP



Legend

- Carroll Town Landfill
- Monitoring Well
- Landfill Cell Boundaries

Bold value = Analyte detected
Red value = Analyte detected above cleanup standard

Units: nanogram(s) per liter (ng/L)

Note: Only wells with PFAS exceeding applicable standard/guidance value are shown.
SCG = NYSDEC Human Health guidance value

0 150 300 Feet
1 in = 300 ft
N

Map Date: 6/28/2022
Projection: UTM, NAD 83, Zone 18N

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Figure 5
Groundwater Analytical Results
April 2022 - PFAS
Periodic Review Report
Carroll Town Landfill
Carroll, Chautauqua County, New York

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Tables

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Table 1. Groundwater Elevations (April 2022)

Monitoring Well ID	Top of PVC Casing Elevation (ft amsl)[a]	Depth to Water (ft below TOC)	Groundwater Elevation (ft amsl)
Shallow			
MW-101	1261.24	5.48	1255.76
MW-102S	1256.58	3.51	1253.07
MW-103	1253.21	Not Available	Not Available
MW-109S	1257.52	5.9	1251.62
MW-110S	1253.16	Not Available	Not Available
MW-111S	1253.66	Not Available	Not Available
MW-112S	1253.45	Not Available	Not Available
MW-113S	1254.55	5.81	1248.74
MW-114S	1255.17	9.69	1245.48
MW-115S	1257.85	8.31	1249.54
MW-116S	1260.57	6.8	1253.77
MW-117S	1260.65	6.9	1253.75
MW-118S	1254.14	9.81	1244.33
Intermediate			
MW-102I	1257.47	4.29	1253.18
MW-109I	1257.25	4.48	1252.77
MW-111I	1253.71	Not Available	Not Available
MW-117I	1260.7	7.05	1253.65
Deep			
MW-109D	1257.31	4.4	1252.91
MW-117D	1261.12	7.54	1253.58
Other			
MW-13	1262.5	Not Available	Not Available

Notes:

[a] Ecology and Environment Engineering, Inc. 2019 Monitoring Well Sampling Data Summary 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

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Table 2. Summary of SVOC Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-101	MW-102	MW-102I	MW-109D	MW-109I	MW-109S	MW-113S
		Sample Name	907017-MW-101	907017-MW-102S	907017-MW-102I	907017-MW-109D	907017-MW-109I	907017-MW-109S	907017-MW-113S
		Parent Sample ID							
		Sample Date	4/5/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022	4/6/2022	4/5/2022
Analyte	Unit	Groundwater Screening Level							
1,2,4,5-Tetrachlorobenzene	µg/L	NSL	< 0.63 U	< 0.63 U	< 0.73 U	< 0.65 U	< 0.63 U	< 0.63 U	< 0.63 U
1,2,4-Trichlorobenzene	µg/L	5	< 0.64 U	< 0.65 U	< 0.74 U	< 0.67 U	< 0.64 U	< 0.64 U	< 0.64 U
1,2-Dichlorobenzene	µg/L	3	< 0.64 U	< 0.65 U	< 0.74 U	< 0.67 U	< 0.64 U	< 0.64 U	< 0.64 U
1,2-Diphenylhydrazine	µg/L	NSL	< 0.55 U	< 0.56 U	< 0.64 U	< 0.57 U	< 0.55 U	< 0.55 U	< 0.55 U
1,3-Dichlorobenzene	µg/L	3	< 0.65 U	< 0.65 U	< 0.75 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.65 U
1,4-Dichlorobenzene	µg/L	3	< 0.64 U	< 0.65 U	< 0.74 U	< 0.67 U	< 0.64 U	< 0.64 U	< 0.64 U
1-Methylnaphthalene	µg/L	NSL	< 0.58 U	< 0.58 U	< 0.67 U	< 0.6 U	< 0.58 U	< 0.58 U	< 0.58 U
2,4,5-Trichlorophenol	µg/L	NSL	< 0.49 U	< 0.5 U	< 0.57 U	< 0.51 U	< 0.49 U	< 0.49 U	< 0.49 U
2,4,6-Trichlorophenol	µg/L	NSL	< 0.43 U	< 0.44 U	< 0.5 U	< 0.45 U	< 0.43 U	< 0.43 U	< 0.43 U
2,4-Dichlorophenol	µg/L	5	< 0.46 U	< 0.46 U	< 0.53 U	< 0.48 U	< 0.46 U	< 0.46 U	< 0.46 U
2,4-Dimethylphenol	µg/L	50	< 0.67 U	< 0.68 U	< 0.78 U	< 0.7 U	< 0.67 U	< 0.67 U	< 0.67 U
2,4-Dinitrophenol	µg/L	10	< 7.8 U	< 7.8 U	< 9 U	< 8.1 U	< 7.8 U	< 7.8 U	< 7.8 U
2,4-Dinitrotoluene	µg/L	5	< 0.59 U	< 0.6 U	< 0.68 U	< 0.61 U	< 0.59 U	< 0.59 U	< 0.59 U
2,6-Dinitrotoluene	µg/L	5	< 0.5 U	< 0.5 U	< 0.58 U	< 0.52 U	< 0.5 U	< 0.5 U	< 0.5 U
2-Chloronaphthalene	µg/L	10	< 0.47 U	< 0.47 U	< 0.54 U	< 0.49 U	< 0.47 U	< 0.47 U	< 0.47 U
2-Chlorophenol	µg/L	1	< 0.46 U	< 0.46 U	< 0.53 U	< 0.47 U	< 0.46 U	< 0.46 U	< 0.46 U
2-Methylnaphthalene	µg/L	NSL	< 0.66 U	< 0.67 U	< 0.77 U	< 0.69 U	< 0.66 U	< 0.66 U	< 0.66 U
2-Methylphenol (O-Cresol)	µg/L	NSL	< 0.46 U	< 0.46 U	< 0.53 U	< 0.47 U	< 0.46 U	< 0.46 U	< 0.46 U
2-Nitroaniline	µg/L	5	< 0.67 U	< 0.67 U	< 0.77 U	< 0.69 U	< 0.67 U	< 0.67 U	< 0.67 U
2-Nitrophenol	µg/L	NSL	< 0.49 U	< 0.5 U	< 0.57 U	< 0.51 U	< 0.49 U	< 0.49 U	< 0.49 U
3- And 4- Methylphenol (Total)	µg/L	NSL	< 0.44 U	< 0.44 U	< 0.51 U	< 0.46 U	< 0.44 U	< 0.44 U	< 0.44 U
3,3'-Dichlorobenzidine	µg/L	5	< 0.68 UJ	< 0.69 UJ	< 0.79 UJ	< 0.71 UJ	< 0.68 UJ	< 0.68 UJ	< 0.68 UJ
3-Nitroaniline	µg/L	5	< 0.56 UJ	< 0.57 UJ	< 0.65 UJ	< 0.59 UJ	< 0.56 UJ	< 0.56 UJ	< 0.56 UJ
4,6-Dinitro-2-Methylphenol	µg/L	NSL	< 6.8 U	< 6.8 U	< 7.8 U	< 7 U	< 6.8 U	< 6.8 U	< 6.8 U
4-Bromophenyl Phenyl Ether	µg/L	NSL	< 0.45 U	< 0.46 U	< 0.52 U	< 0.47 U	< 0.45 U	< 0.45 U	< 0.45 U
4-Chloro-3-Methylphenol	µg/L	NSL	< 0.54 U	< 0.54 U	< 0.62 U	< 0.56 U	< 0.54 U	< 0.54 U	< 0.54 U
4-Chloroaniline	µg/L	5	< 0.55 UJ	< 0.56 UJ	< 0.64 UJ	< 0.58 UJ	< 0.55 UJ	< 0.55 UJ	< 0.55 UJ
4-Chlorophenyl Phenyl Ether	µg/L	NSL	< 0.46 U	< 0.47 U	< 0.53 U	< 0.48 U	< 0.46 U	< 0.46 U	< 0.46 U
4-Nitroaniline	µg/L	5	< 0.58 U	< 0.58 U	< 0.67 U	< 0.6 U	< 0.58 U	< 0.58 U	< 0.58 U
4-Nitrophenol	µg/L	NSL	< 2 U	< 2 U	< 2.3 U	< 2.1 U	< 2 U	< 2 U	< 2 U
Acenaphthene	µg/L	20	< 0.5 U	< 0.5 U	< 0.58 U	< 0.52 U	< 0.5 U	< 0.5 U	< 0.5 U
Acenaphthylene	µg/L	NSL	< 0.47 U	< 0.47 U	< 0.54 U	< 0.48 U	< 0.47 U	< 0.47 U	< 0.47 U
Acetophenone	µg/L	NSL	< 0.51 U	< 0.52 U	< 0.59 U	< 0.53 U	< 0.51 U	< 0.51 U	< 0.51 U
Aniline	µg/L	NSL	< 0.67 UJ	< 0.68 UJ	< 0.78 UJ	< 0.7 UJ	< 0.67 UJ	< 0.67 UJ	< 0.67 UJ
Anthracene	µg/L	50	< 0.44 U	< 0.45 U	< 0.51 U	< 0.46 U	< 0.44 U	< 0.44 U	< 0.44 U
Benzidine	µg/L	NSL	< 10 UJ	< 10 UJ	< 12 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ
Benzo(A)Anthracene	µg/L	0.002	< 0.39 U	< 0.4 U	< 0.45 U	< 0.41 U	< 0.39 U	< 0.39 U	< 0.39 U
Benzo(A)Pyrene	µg/L	NSL	< 0.55 U	< 0.55 U	< 0.63 U	< 0.57 U	< 0.55 U	< 0.55 U	< 0.55 U
Benzo(B)Fluoranthene	µg/L	0.002	< 0.45 U	< 0.46 U	< 0.52 U	< 0.47 U	< 0.45 U	< 0.45 U	< 0.45 U
Benzo(G,H,I)Perylene	µg/L	NSL	< 0.59 U	< 0.59 U	< 0.68 U	< 0.61 U	< 0.59 U	< 0.59 U	< 0.59 U
Benzo(K)Fluoranthene	µg/L	0.002	< 0.47 U	< 0.47 U	< 0.54 U	< 0.49 U	< 0.47 U	< 0.47 U	< 0.47 U
Benzoic Acid	µg/L	NSL	< 8.1 U	< 8.2 U	< 9.4 U	< 8.4 UJ	< 8.1 U	< 8.1 U	< 8.1 U
Benzyl Butyl Phthalate	µg/L	50	< 0.65 U	< 0.65 U	< 0.75 U	< 0.67 U	< 0.65 U	< 0.65 U	< 0.65 U
Bis(2-Chloroethoxy) Methane	µg/L	5	< 0.44 U	< 0.44 U	< 0.51 U	< 0.46 U	< 0.44 U	< 0.44 U	< 0.44 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	µg/L	1	< 0.55 U	< 0.55 U	< 0.63 U	< 0.57 U	< 0.55 U	< 0.55 UJ	< 0.55 U
Bis(2-Chloroisopropyl) Ether	µg/L	5	< 0.66 UJ	< 0.67 U	< 0.76 U	< 0.69 UJ	< 0.66 UJ	< 0.66 U	< 0.66 UJ
Bis(2-Ethylhexyl) Phthalate	µg/L	5	< 0.81 U	< 0.82 U	< 0.93 U	< 0.84 U	< 0.81 U	< 0.81 U	< 0.81 U
Carbazole	µg/L	NSL	< 0.41 U	< 0.41 U	< 0.47 U	< 0.43 U	< 0.41 U	< 0.41 U	< 0.41 U
Chrysene	µg/L	0.002	< 0.38 U	< 0.38 U	< 0.44 U	< 0.4 U	< 0.38 U	< 0.38 U	< 0.38 U
Dibenz(A,H)Anthracene	µg/L	NSL	< 0.66 U	< 0.67 U	< 0.77 U	< 0.69 U	< 0.66 U	< 0.66 UJ	< 0.66 U
Dibenzofuran	µg/L	NSL	< 0.47 U	< 0.47 U	< 0.54 U	< 0.49 U	< 0.47 U	< 0.47 UJ	< 0.47 U
Diethyl Phthalate	µg/L	50	< 0.4 U	< 0.41 U	< 0.46 U	< 0.42 U	< 0.4 U	< 0.4 U	< 0.4 U
Dimethyl Phthalate	µg/L	50	< 0.36 UJ	< 0.37 UJ	< 0.42 UJ	< 0.38 UJ	< 0.36 UJ	< 0.36 UJ	< 0.36 UJ
Di-N-Butyl Phthalate	µg/L	50	< 0.44 U	< 0.45 U	< 0.51 U	< 0.46 U	< 0.44 U	< 0.44 U	< 0.44 U
Di-N-Octylphthalate	µg/L	50	< 3.8 U	< 3.8 U	< 4.4 U	< 3.9 U	< 3.8 U	< 3.8 U	< 3.8 U
Fluoranthene	µg/L	50	< 0.41 U	< 0.42 U	< 0.48 U	< 0.43 U	< 0.41 U	< 0.41 U	< 0.41 U
Fluorene	µg/L	50	< 0.5 U	< 0.5 U	< 0.58 U	< 0.52 U	< 0.5 U	< 0.5 U	< 0.5 U
Hexachlorobenzene	µg/L	0.04	< 0.49 U	< 0.49 U	< 0.56 U	< 0.51 U	< 0.49 U	< 0.49 U	< 0.49 U
Hexachlorobutadiene	µg/L	0.5	< 0.74 U	< 0.75 U	< 0.86 U	< 0.77 U	< 0.74 U	< 0.74 U	< 0.74 U
Hexachlorocyclopentadiene	µg/L	5	< 3.5 U	< 3.6 U	< 4.1 U	< 3.7 U	< 3.5 U	< 3.5 UJ	< 3.5 U
Hexachloroethane	µg/L	5	< 0.71 U	< 0.72 U	< 0.82 U	< 0.74 U	< 0.71 U	< 0.71 U	< 0.71 U
Indeno(1,2,3-C,D)Pyrene	µg/L	0.002	< 0.71 U	< 0.72 U	< 0.82 U	< 0.74 U	< 0.71 U	< 0.71 U	< 0.71 U
Isophorone	µg/L	50	< 0.53 U	< 0.54 U	< 0.61 U	< 0.55 U	< 0.53 U	< 0.53 U	< 0.53 U
Naphthalene	µg/L	10	< 0.59 U	< 0.6 U	< 0.68 U	< 0.61 U	< 0.59 U	< 0.59 U	< 0.59 U
Nitrobenzene	µg/L	0.4	< 0.6 U	< 0.61 U	< 0.7 U	< 0.63 U	< 0.6 U	< 0.6 U	< 0.6 U
N-Nitrosodimethylamine	µg/L	NSL	< 0.75 U	< 0.76 U	< 0.87 U	< 0.78 UJ	< 0.75 U	< 0.75 U	< 0.75 U
N-Nitrosodi-N-Propylamine	µg/L	NSL	< 0.59 U	< 0.6 U	< 0.68 U	< 0.61 U	< 0.59 U	< 0.59 U	< 0.59 U
Pentachloronitrobenzene	µg/L	NSL	< 0.6 U	< 0.6 U	< 0.69 U	< 0.62 U	< 0.6 U	< 0.6 U	< 0.6 U
Pentachlorophenol	µg/L	1	< 3.4 U	< 3.4 U	< 3.9 U	< 3.5 U	< 3.4 U	< 3.4 U	< 3.4 U
Phenanthrene	µg/L	50	< 0.46 U	< 0.46 U	< 0.53 U	< 0.48 U	< 0.46 U	< 0.46 U	< 0.46 U
Phenol	µg/L	NSL	< 0.22 U	< 0.22 U	< 0.25 U	< 0.23 UJ	< 0.22 U	< 0.22 U	< 0.22 U
Pyrene	µg/L	50	< 0.59 U	< 0.59 U	< 0.68 U	< 0.61 U	< 0.59 U	< 0.59 U	< 0.59 U
Pyridine	µg/L	NSL	< 2.4 UJ	< 2.4 UJ	< 2.7 UJ	< 2.5 UJ	< 2.4 UJ	< 2.4 UJ	< 2.4 UJ

Notes:

µg/L = Microgram(s) per liter

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 2. Summary of SVOC Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-114S	MW-115S	MW-116S	MW-116S	MW-117D	MW-117I	MW-117S	MW-118S
		Sample Name	907017-MW-114S	907017-MW-115S	907017-MW-116S	907017-DUP-04062022	907017-MW-117D	907017-MW-117I	907017-MW-117S	907017-MW-118S
		Parent Sample ID				907017-MW-116S-20220406				
		Sample Date	4/5/2022	4/5/2022	4/6/2022	4/6/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level								
1,2,4,5-Tetrachlorobenzene	µg/L	NSL	< 0.63 U	< 0.63 U	< 0.64 U	< 0.63 U	< 0.66 U	< 0.64 U	< 0.62 U	< 0.62 U
1,2,4-Trichlorobenzene	µg/L	5	< 0.64 U	< 0.64 U	< 0.66 U	< 0.64 U	< 0.68 U	< 0.66 U	< 0.64 U	< 0.63 U
1,2-Dichlorobenzene	µg/L	3	< 0.64 U	< 0.64 U	< 0.65 U	< 0.64 U	< 0.67 U	< 0.65 U	< 0.63 U	< 0.63 U
1,2-Diphenylhydrazine	µg/L	NSL	< 0.55 U	< 0.55 U	< 0.56 U	< 0.55 U	< 0.58 U	< 0.56 U	< 0.55 U	< 0.54 U
1,3-Dichlorobenzene	µg/L	3	< 0.65 U	< 0.65 U	< 0.66 U	< 0.65 U	< 0.68 U	< 0.66 U	< 0.64 U	< 0.63 U
1,4-Dichlorobenzene	µg/L	3	< 0.64 U	< 0.64 U	< 0.65 U	< 0.64 U	< 0.67 U	< 0.65 U	< 0.64 U	< 0.63 U
1-Methylnaphthalene	µg/L	NSL	< 0.58 U	< 0.58 U	< 0.59 U	< 0.58 U	< 0.61 U	< 0.59 U	< 0.57 U	< 0.57 U
2,4,5-Trichlorophenol	µg/L	NSL	< 0.49 U	< 0.49 U	< 0.5 U	< 0.49 U	< 0.52 U	< 0.5 U	< 0.49 U	< 0.49 U
2,4,6-Trichlorophenol	µg/L	NSL	< 0.43 U	< 0.43 U	< 0.44 U	< 0.43 U	< 0.45 U	< 0.44 U	< 0.43 U	< 0.42 U
2,4-Dichlorophenol	µg/L	5	< 0.46 U	< 0.46 U	< 0.47 U	< 0.46 U	< 0.48 U	< 0.47 U	< 0.46 U	< 0.45 U
2,4-Dimethylphenol	µg/L	50	< 0.67 U	< 0.67 U	< 0.69 U	< 0.67 U	< 0.71 U	< 0.69 U	< 0.67 U	< 0.66 U
2,4-Dinitrophenol	µg/L	10	< 7.8 U	< 7.8 U	< 7.9 U	< 7.8 U	< 8.1 U	< 7.9 U	< 7.7 UJ	< 7.6 UJ
2,4-Dinitrotoluene	µg/L	5	< 0.59 U	< 0.59 U	< 0.6 U	< 0.59 U	< 0.62 U	< 0.6 U	< 0.58 U	< 0.58 U
2,6-Dinitrotoluene	µg/L	5	< 0.5 U	< 0.5 U	< 0.51 U	< 0.5 U	< 0.52 U	< 0.51 U	< 0.49 U	< 0.49 U
2-Chloronaphthalene	µg/L	10	< 0.47 U	< 0.47 U	< 0.48 U	< 0.47 U	< 0.49 U	< 0.48 U	< 0.46 U	< 0.46 U
2-Chlorophenol	µg/L	1	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.48 U	< 0.46 U	< 0.45 U	< 0.45 U
2-Methylnaphthalene	µg/L	NSL	< 0.66 U	< 0.66 U	< 0.68 U	< 0.66 U	< 0.7 U	< 0.68 U	< 0.66 U	< 0.65 U
2-Methylphenol (O-Cresol)	µg/L	NSL	< 0.46 U	< 0.46 U	< 0.47 U	< 0.46 U	< 0.48 U	< 0.47 U	< 0.45 U	< 0.45 U
2-Nitroaniline	µg/L	5	< 0.67 U	< 0.67 U	< 0.68 U	< 0.67 U	< 0.7 U	< 0.68 U	< 0.66 U	< 0.65 U
2-Nitrophenol	µg/L	NSL	< 0.49 U	< 0.49 U	< 0.5 U	< 0.49 U	< 0.52 U	< 0.5 U	< 0.49 U	< 0.48 U
3- And 4- Methylphenol (Total)	µg/L	NSL	< 0.44 U	< 0.44 U	< 0.45 U	< 0.44 U	< 0.46 U	< 0.45 U	< 0.44 U	< 0.43 U
3,3'-Dichlorobenzidine	µg/L	5	< 0.68 UJ	< 0.68 UJ	< 0.7 UJ	< 0.68 UJ	< 0.72 UJ	< 0.7 UJ	< 0.68 UJ	< 0.67 UJ
3-Nitroaniline	µg/L	5	< 0.56 UJ	< 0.56 UJ	< 0.58 UJ	< 0.56 UJ	< 0.59 UJ	< 0.58 UJ	< 0.56 UJ	< 0.55 UJ
4,6-Dinitro-2-Methylphenol	µg/L	NSL	< 6.8 U	< 6.8 U	< 6.9 U	< 6.8 U	< 7.1 U	< 6.9 U	< 6.7 U	< 6.6 U
4-Bromophenyl Phenyl Ether	µg/L	NSL	< 0.45 U	< 0.45 U	< 0.46 U	< 0.45 U	< 0.47 U	< 0.46 U	< 0.45 U	< 0.44 U
4-Chloro-3-Methylphenol	µg/L	NSL	< 0.54 U	< 0.54 U	< 0.55 U	< 0.54 U	< 0.56 U	< 0.55 U	< 0.53 U	< 0.53 U
4-Chloroaniline	µg/L	5	< 0.55 UJ	< 0.55 UJ	< 0.56 UJ	< 0.55 UJ	< 0.58 UJ	< 0.56 UJ	< 0.55 UJ	< 0.54 UJ
4-Chlorophenyl Phenyl Ether	µg/L	NSL	< 0.46 U	< 0.46 U	< 0.47 U	< 0.46 U	< 0.48 U	< 0.47 U	< 0.46 U	< 0.45 U
4-Nitroaniline	µg/L	5	< 0.58 U	< 0.58 U	< 0.59 U	< 0.58 U	< 0.6 U	< 0.59 U	< 0.57 U	< 0.56 U
4-Nitrophenol	µg/L	NSL	< 2 U	< 2 U	< 2.1 U	< 2 U	< 2.1 U	< 2.1 U	< 2 U	< 2 U
Acenaphthene	µg/L	20	< 0.5 U	< 0.5 U	< 0.51 U	< 0.5 U	< 0.52 U	< 0.51 U	< 0.49 U	< 0.49 U
Acenaphthylene	µg/L	NSL	< 0.47 U	< 0.47 U	< 0.47 U	< 0.47 U	< 0.49 U	< 0.47 U	< 0.46 U	< 0.46 U
Acetophenone	µg/L	NSL	< 0.51 U	< 0.51 U	< 0.52 U	< 0.51 U	< 0.54 U	< 0.52 U	< 0.51 U	< 0.5 U
Aniline	µg/L	NSL	< 0.67 UJ	< 0.67 UJ	< 0.68 UJ	< 0.67 UJ	< 0.7 UJ	< 0.68 UJ	< 0.66 U	< 0.66 U
Anthracene	µg/L	50	< 0.44 U	< 0.44 U	< 0.45 U	< 0.44 U	< 0.46 U	< 0.45 U	< 0.44 U	< 0.43 U
Benzidine	µg/L	NSL	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 10 UJ	< 9.9 UJ	< 9.8 UJ
Benzo(A)Anthracene	µg/L	0.002	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.41 U	< 0.4 U	< 0.39 U	< 0.38 U
Benzo(A)Pyrene	µg/L	NSL	< 0.55 U	< 0.55 U	< 0.56 U	< 0.55 U	< 0.57 U	< 0.56 U	< 0.54 U	< 0.54 U
Benzo(B)Fluoranthene	µg/L	0.002	< 0.45 U	< 0.45 U	< 0.46 U	< 0.45 U	< 0.48 U	< 0.46 U	< 0.45 U	< 0.45 U
Benzo(G,H,I)Perylene	µg/L	NSL	< 0.59 U	< 0.59 U	< 0.6 U	< 0.59 U	< 0.62 U	< 0.6 U	< 0.58 U	< 0.58 U
Benzo(K)Fluoranthene	µg/L	0.002	< 0.47 U	< 0.47 U	< 0.48 U	< 0.47 U	< 0.49 U	< 0.48 U	< 0.47 U	< 0.46 U
Benzoic Acid	µg/L	NSL	< 8.1 U	< 8.1 U	< 8.3 U	< 8.1 U	< 8.5 U	< 8.3 U	< 8 U	< 8 U
Benzyl Butyl Phthalate	µg/L	50	< 0.65 U	< 0.65 U	< 0.66 U	< 0.65 U	< 0.68 U	< 0.66 U	< 0.64 U	< 0.64 U
Bis(2-Chloroethoxy) Methane	µg/L	5	< 0.44 U	< 0.44 U	< 0.45 U	< 0.44 U	< 0.46 U	< 0.45 U	< 0.43 U	< 0.43 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	µg/L	1	< 0.55 U	< 0.55 U	< 0.56 UJ	< 0.55 U	< 0.58 U	< 0.56 U	< 0.54 U	< 0.54 U
Bis(2-Chloroisopropyl) Ether	µg/L	5	< 0.66 UJ	< 0.66 UJ	< 0.67 U	< 0.66 UJ	< 0.7 U	< 0.67 U	< 0.66 U	< 0.65 U
Bis(2-Ethylhexyl) Phthalate	µg/L	5	< 0.81 U	< 0.81 U	< 0.82 U	< 0.81 U	< 0.85 U	< 0.82 U	< 0.8 U	< 0.79 U
Carbazole	µg/L	NSL	< 0.41 U	< 0.41 U	< 0.42 U	< 0.41 U	< 0.43 U	< 0.42 U	< 0.41 U	< 0.4 U
Chrysene	µg/L	0.002	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.4 U	< 0.39 U	< 0.38 U	< 0.37 U
Dibenz(A,H)Anthracene	µg/L	NSL	< 0.66 U	< 0.66 U	< 0.68 UJ	< 0.66 U	< 0.7 U	< 0.68 U	< 0.66 UJ	< 0.65 UJ
Dibenzofuran	µg/L	NSL	< 0.47 U	< 0.47 U	< 0.48 UJ	< 0.47 U	< 0.49 U	< 0.48 U	< 0.46 UJ	< 0.46 UJ
Diethyl Phthalate	µg/L	50	< 0.4 U	< 0.4 U	< 0.41 U	< 0.4 U	< 0.42 U	< 0.41 U	< 0.4 U	< 0.39 U
Dimethyl Phthalate	µg/L	50	< 0.36 UJ	< 0.36 UJ	< 0.37 UJ	< 0.36 UJ	< 0.38 UJ	< 0.37 UJ	< 0.36 UJ	< 0.36 UJ
Di-N-Butyl Phthalate	µg/L	50	< 0.44 U	< 0.44 U	< 0.45 U	< 0.44 U	< 0.46 U	< 0.45 U	< 0.44 U	< 0.43 U
Di-N-Octylphthalate	µg/L	50	< 3.8 U	< 3.8 U	< 3.9 U	< 3.8 U	< 4 U	< 3.9 U	< 3.7 U	< 3.7 U
Fluoranthene	µg/L	50	< 0.41 U	< 0.41 U	< 0.42 U	< 0.41 U	< 0.43 U	< 0.42 U	< 0.41 U	< 0.41 U
Fluorene	µg/L	50	< 0.5 U	< 0.5 U	< 0.51 U	< 0.5 U	< 0.53 U	< 0.51 U	< 0.5 U	< 0.49 U
Hexachlorobenzene	µg/L	0.04	< 0.49 U	< 0.49 U	< 0.5 U	< 0.49 U	< 0.51 U	< 0.5 U	< 0.48 U	< 0.48 U
Hexachlorobutadiene	µg/L	0.5	< 0.74 U	< 0.74 U	< 0.76 U	< 0.74 U	< 0.78 U	< 0.76 U	< 0.74 U	< 0.73 U
Hexachlorocyclopentadiene	µg/L	5	< 3.5 U	< 3.5 U	< 3.6 UJ	< 3.5 U	< 3.7 U	< 3.6 U	< 3.5 UJ	< 3.5 UJ
Hexachloroethane	µg/L	5	< 0.71 U	< 0.71 U	< 0.73 U	< 0.71 U	< 0.75 U	< 0.73 U	< 0.7 U	< 0.7 U
Indeno(1,2,3-C,D)Pyrene	µg/L	0.002	< 0.71 U	< 0.71 U	< 0.73 U	< 0.71 U	< 0.75 U	< 0.73 U	< 0.71 U	< 0.7 U
Isophorone	µg/L	50	< 0.53 U	< 0.53 U	< 0.54 U	< 0.53 U	< 0.56 U	< 0.54 U	< 0.53 U	< 0.52 U
Naphthalene	µg/L	10	< 0.59 U	< 0.59 U	< 0.6 U	< 0.59 U	< 0.62 U	< 0.6 U	< 0.59 U	< 0.58 U
Nitrobenzene	µg/L	0.4	< 0.6 U	< 0.6 U	< 0.61 U	< 0.6 U	< 0.63 U	< 0.61 U	< 0.6 U	< 0.59 U
N-Nitrosodimethylamine	µg/L	NSL	< 0.75 U	< 0.75 U	< 0.77 U	< 0.75 U	< 0.79 U	< 0.77 U	< 0.75 U	< 0.74 U
N-Nitrosodi-N-Propylamine	µg/L	NSL	< 0.59 U	< 0.59 U	< 0.6 U	< 0.59 U	< 0.62 U	< 0.6 U	< 0.58 U	< 0.58 U
Pentachloronitrobenzene	µg/L	NSL	< 0.6 U	< 0.6 U	< 0.61 U	< 0.6 U	< 0.63 U	< 0.61 U	< 0.59 U	< 0.59 U
Pentachlorophenol	µg/L	1	< 3.4 U	< 3.4 U	< 3.4 U	< 3.4 U	< 3.5 U	< 3.4 U	< 3.3 U	< 3.3 U
Phenanthrene	µg/L	50	< 0.46 U	< 0.46 U	< 0.47 U	< 0.46 U	< 0.48 U	< 0.47 U	< 0.46 U	< 0.45 U
Phenol	µg/L	NSL	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.22 U	< 0.22 U	< 0.21 U
Pyrene	µg/L	50	< 0.59 U	< 0.59 U	< 0.6 U	< 0.59 U	< 0.62 U	< 0.6 U	< 0.58 U	< 0.58 U
Pyridine	µg/L	NSL	< 2.4 UJ	< 2.4 UJ	< 2.4 UJ	< 2.4 UJ	< 2.5 UJ	< 2.4 UJ	< 2.4 UJ	< 2.3 UJ

Notes:

µg/L = Microgram(s) per liter

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 3. Summary of VOC Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-101	MW-102	MW-102I	MW-109D	MW-109I	MW-109S	MW-113S
		Sample Name	907017-MW-101	907017-MW-102S	907017-MW-102I	907017-MW-109D	907017-MW-109I	907017-MW-109S	907017-MW-113S
		Parent Sample ID							
		Sample Date	4/5/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022	4/6/2022	4/5/2022
Analyte	Unit	Groundwater Screening Level							
1,1,1,2-Tetrachloroethane	µg/L	5	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1,1-Trichloroethane (TCA)	µg/L	5	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	5	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U
1,1,2-Trichloroethane	µg/L	1	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1-Dichloroethane	µg/L	5	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1-Dichloroethene	µg/L	5	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1-Dichloropropene	µg/L	5	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,2,3-Trichlorobenzene	µg/L	5	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
1,2,3-Trichloropropane	µg/L	0.04	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U
1,2,4-Trichlorobenzene	µg/L	5	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
1,2,4-Trimethylbenzene	µg/L	NSL	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
1,2-Dibromo-3-Chloropropane	µg/L	0.04	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	NSL	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,2-Dichlorobenzene	µg/L	3	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
1,2-Dichloroethane	µg/L	0.6	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U
1,2-Dichloropropane	µg/L	1	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,3,5-Trichlorobenzene	µg/L	NSL	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
1,3,5-Trimethylbenzene (Mesitylene)	µg/L	NSL	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
1,3-Dichlorobenzene	µg/L	3	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
1,3-Dichloropropane	µg/L	5	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,4-Dichlorobenzene	µg/L	3	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,4-Dioxane (P-Dioxane)	µg/L	NSL	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R
2,2-Dichloropropane	µg/L	NSL	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U
2-Chlorotoluene	µg/L	NSL	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
2-Hexanone	µg/L	50	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U
2-Methoxy-2-Methylbutane	µg/L	NSL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
4-Chlorotoluene	µg/L	NSL	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
Acetone	µg/L	50	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acrylonitrile	µg/L	5	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U
Benzene	µg/L	1	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Bromobenzene	µg/L	NSL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Bromochloromethane	µg/L	5	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U
Bromodichloromethane	µg/L	50	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Bromoform	µg/L	50	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U
Bromomethane	µg/L	5	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ
Carbon Disulfide	µg/L	60	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Carbon Tetrachloride	µg/L	5	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Chlorobenzene	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Chloroethane	µg/L	5	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U
Chloroform	µg/L	7	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Chloromethane	µg/L	NSL	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ
Cis-1,2-Dichloroethylene	µg/L	5	< 0.15 U	**0.15 J**	**1.8**	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cis-1,3-Dichloropropene	µg/L	0.4	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Cymene	µg/L	NSL	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U
Dibromochloromethane	µg/L	50	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
Dibromomethane	µg/L	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
Dichlorodifluoromethane	µg/L	5	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Diethyl Ether (Ethyl Ether)	µg/L	NSL	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	**0.31 J**
Ethyl Tert-Butyl Ether	µg/L	NSL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Ethylbenzene	µg/L	5	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
Hexachlorobutadiene	µg/L	0.5	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Isopropyl Ether	µg/L	NSL	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Isopropylbenzene (Cumene)	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
m,p-Xylene	µg/L	NSL	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Methyl Acetate	µg/L	NSL	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U
Methyl Ethyl Ketone (2-Butanone)	µg/L	50	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/L	NSL	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
Methylcyclohexane	µg/L	NSL	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U
Methylene Chloride	µg/L	5	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U
Naphthalene	µg/L	10	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U
N-Butylbenzene	µg/L	5	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
N-Propylbenzene	µg/L	NSL	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U
O-Xylene (1,2-Dimethylbenzene)	µg/L	5	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U
Sec-Butylbenzene	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Styrene	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
T-Butylbenzene	µg/L	5	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Tert-Butyl Alcohol	µg/L	NSL	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
Tert-Butyl Methyl Ether	µg/L	10	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tetrachloroethylene (PCE)	µg/L	5	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Tetrahydrofuran	µg/L	NSL	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
Toluene	µg/L	5	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
Trans-1,2-Dichloroethene	µg/L	5	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Trans-1,4-Dichloro-2-Butene	µg/L	5	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
Trichloroethylene (TCE)	µg/L	5	< 0.19 U	< 0.19 U	**2.0**	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Trichlorofluoromethane	µg/L	5	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Vinyl Chloride	µg/L	2	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U

Notes:
µg/L = Microgram(s) per liter
J = Estimated value
NSL = No screening level available
R = Rejected Value
U = Not detected
Groundwater Screening Level = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

Detection of analytes are bolded
Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 3. Summary of VOC Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-114S	MW-115S	MW-116S	MW-116S	MW-117D	MW-117I	MW-117S	MW-118S
		Sample Name	907017-MW-114S	907017-MW-115S	907017-MW-116S	907017-DUP-04062022	907017-MW-117D	907017-MW-117I	907017-MW-117S	907017-MW-118S
		Parent Sample ID				907017-MW-116S-20220406				
		Sample Date	4/5/2022	4/5/2022	4/6/2022	4/6/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level								
1,1,1,2-Tetrachloroethane	µg/L	5	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1,1-Trichloroethane (TCA)	µg/L	5	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/L	5	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U
1,1,2-Trichloroethane	µg/L	1	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1-Dichloroethane	µg/L	5	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1-Dichloroethene	µg/L	5	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1-Dichloropropene	µg/L	5	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,2,3-Trichlorobenzene	µg/L	5	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
1,2,3-Trichloropropane	µg/L	0.04	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.28 U
1,2,4-Trichlorobenzene	µg/L	5	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
1,2,4-Trimethylbenzene	µg/L	NSL	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
1,2-Dibromo-3-Chloropropane	µg/L	0.04	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U
1,2-Dibromoethane (Ethylene Dibromide)	µg/L	NSL	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,2-Dichlorobenzene	µg/L	3	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
1,2-Dichloroethane	µg/L	0.6	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U
1,2-Dichloropropane	µg/L	1	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,3,5-Trichlorobenzene	µg/L	NSL	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
1,3,5-Trimethylbenzene (Mesitylene)	µg/L	NSL	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
1,3-Dichlorobenzene	µg/L	3	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
1,3-Dichloropropane	µg/L	5	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,4-Dichlorobenzene	µg/L	3	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,4-Dioxane (P-Dioxane)	µg/L	NSL	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R	< 21 R
2,2-Dichloropropane	µg/L	NSL	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U	< 0.33 U
2-Chlorotoluene	µg/L	NSL	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
2-Hexanone	µg/L	50	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U
2-Methoxy-2-Methylbutane	µg/L	NSL	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
4-Chlorotoluene	µg/L	NSL	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
Acetone	µg/L	50	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Acrylonitrile	µg/L	5	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U	< 0.55 U
Benzene	µg/L	1	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Bromobenzene	µg/L	NSL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Bromochloromethane	µg/L	5	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U	< 0.31 U
Bromodichloromethane	µg/L	50	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Bromoform	µg/L	50	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U	< 0.38 U
Bromomethane	µg/L	5	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ	< 1.5 UJ
Carbon Disulfide	µg/L	60	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Carbon Tetrachloride	µg/L	5	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Chlorobenzene	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Chloroethane	µg/L	5	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U
Chloroform	µg/L	7	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Chloromethane	µg/L	NSL	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ	< 0.52 UJ
Cis-1,2-Dichloroethylene	µg/L	5	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cis-1,3-Dichloropropene	µg/L	0.4	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Cymene	µg/L	NSL	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U	< 0.097 U
Dibromochloromethane	µg/L	50	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
Dibromomethane	µg/L	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U	< 0.35 U
Dichlorodifluoromethane	µg/L	5	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Diethyl Ether (Ethyl Ether)	µg/L	NSL	< 0.18 U	**1.4 J**	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Ethyl Tert-Butyl Ether	µg/L	NSL	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Ethylbenzene	µg/L	5	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
Hexachlorobutadiene	µg/L	0.5	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Isopropyl Ether	µg/L	NSL	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Isopropylbenzene (Cumene)	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
m,p-Xylene	µg/L	NSL	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Methyl Acetate	µg/L	NSL	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U	< 0.45 U
Methyl Ethyl Ketone (2-Butanone)	µg/L	50	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/L	NSL	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
Methylcyclohexane	µg/L	NSL	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U
Methylene Chloride	µg/L	5	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U
Naphthalene	µg/L	10	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U	< 0.24 U
N-Butylbenzene	µg/L	5	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
N-Propylbenzene	µg/L	NSL	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U	< 0.086 U
O-Xylene (1,2-Dimethylbenzene)	µg/L	5	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.23 U
Sec-Butylbenzene	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Styrene	µg/L	5	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
T-Butylbenzene	µg/L	5	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Tert-Butyl Alcohol	µg/L	NSL	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U	< 4.7 U
Tert-Butyl Methyl Ether	µg/L	10	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tetrachloroethylene (PCE)	µg/L	5	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Tetrahydrofuran	µg/L	NSL	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U	< 0.49 U
Toluene	µg/L	5	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
Trans-1,2-Dichloroethene	µg/L	5	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Trans-1,4-Dichloro-2-Butene	µg/L	5	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U	< 1.6 U
Trichloroethylene (TCE)	µg/L	5	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Trichlorofluoromethane	µg/L	5	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Vinyl Chloride	µg/L	2	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U

Notes:
µg/L = Microgram(s) per liter
J = Estimated value
NSL = No screening level available
R = Rejected Value
U = Not detected
Groundwater Screening Level = NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 4. Summary of Metal Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-101	MW-102	MW-102I	MW-109D	MW-109I
		Sample Name	907017-MW-101	907017-MW-102S	907017-MW-102I	907017-MW-109D	907017-MW-109I
		Parent Sample ID					
		Sample Date	4/5/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level					
Aluminum	mg/L	NSL	< 0.015 U	**0.022 J**	**0.092**	**0.24**	**0.18**
Antimony	mg/L	0.003	< 0.0089 U	< 0.0089 U	< 0.0089 U	< 0.0089 U	< 0.0089 U
Arsenic	mg/L	0.025	**0.0053 J**	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U
Barium	mg/L	1	**0.65**	**0.11**	**0.084**	**0.13**	**0.067**
Beryllium	mg/L	0.003	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	mg/L	0.005	< 0.0008 U	< 0.0008 U	< 0.0008 U	< 0.0008 U	< 0.0008 U
Calcium	mg/L	NSL	**96**	**79**	**69**	**63**	**68**
Chromium, Total	mg/L	0.05	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U	< 0.0025 U
Cobalt	mg/L	NSL	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U
Copper	mg/L	0.2	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U	< 0.0036 U
Iron	mg/L	0.3	**1.5**	**0.083**	**0.22**	**0.65**	**0.28**
Lead	mg/L	0.025	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U
Magnesium	mg/L	35	**26**	**15**	**15**	**13**	**11**
Manganese	mg/L	0.3	**1.8**	**0.059**	**0.045**	**0.13**	**0.057**
Mercury	mg/L	0.0007	< 0.00004 U	< 0.00004 U	< 0.00004 U	< 0.00004 U	< 0.00004 U
Nickel	mg/L	0.1	< 0.0088 U	< 0.0088 U	< 0.0088 U	< 0.0088 U	< 0.0088 U
Potassium	mg/L	NSL	**0.63 J**	**0.81 J**	**0.98 J**	**1.0 J**	**0.84 J**
Selenium	mg/L	0.01	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U
Silver	mg/L	0.05	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0032 U
Sodium	mg/L	20	**5.6**	**2.5**	**3.2**	**3.8**	**3.2**
Thallium	mg/L	0.0005	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
Vanadium	mg/L	NSL	< 0.0031 U	< 0.0031 U	< 0.0031 U	< 0.0031 U	< 0.0031 U
Zinc	mg/L	2	< 0.0042 U	< 0.0042 U	< 0.0042 U	**0.0056 J**	< 0.0042 U

Notes:

mg/L = Milligram(s) per liter

D = Dilution

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 4. Summary of Metal Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-109S	MW-113S	MW-114S	MW-115S	MW-116S
		Sample Name	907017-MW-109S	907017-MW-113S	907017-MW-114S	907017-MW-115S	907017-MW-116S
		Parent Sample ID					
		Sample Date	4/6/2022	4/5/2022	4/5/2022	4/5/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level					
Aluminum	mg/L	NSL	**0.093**	**0.042 J**	**3.2**	**0.029 J**	**0.26 J**
Antimony	mg/L	0.003	< 0.0089 U	< 0.0089 U	< 0.0089 U	< 0.0089 U	< 0.0089 U
Arsenic	mg/L	0.025	< 0.0047 U	**0.056**	**0.0097 J**	< 0.0047 U	< 0.0047 U
Barium	mg/L	1	**0.25**	**0.47**	**0.26**	**0.82**	**0.15**
Beryllium	mg/L	0.003	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	mg/L	0.005	< 0.0008 U	< 0.0008 U	< 0.0008 U	< 0.0008 U	< 0.0008 U
Calcium	mg/L	NSL	**68**	**100**	**64**	**83**	**130**
Chromium, Total	mg/L	0.05	< 0.0025 U	< 0.0025 U	**0.0031 J**	< 0.0025 U	< 0.0025 U
Cobalt	mg/L	NSL	< 0.0014 U	< 0.0014 U	**0.0072 J**	< 0.0014 U	< 0.0014 U
Copper	mg/L	0.2	< 0.0036 U	< 0.0036 U	**0.015**	< 0.0036 U	< 0.0036 U
Iron	mg/L	0.3	**0.52**	**6.2**	**12**	**3.2**	**11 J**
Lead	mg/L	0.025	< 0.003 U	< 0.003 U	**0.0085 J**	< 0.003 U	< 0.003 U
Magnesium	mg/L	35	**14**	**31**	**14**	**27**	**30**
Manganese	mg/L	0.3	**2.1**	**0.42**	**0.72**	**0.32**	**1.3**
Mercury	mg/L	0.0007	< 0.00004 U	< 0.00004 U	< 0.00004 U	< 0.00004 U	< 0.00004 U
Nickel	mg/L	0.1	< 0.0088 U	< 0.0088 U	< 0.0088 U	< 0.0088 U	< 0.0088 U
Potassium	mg/L	NSL	**0.91 J**	**1.8 J**	**1.5 J**	**2.7**	**1.3 J**
Selenium	mg/L	0.01	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U
Silver	mg/L	0.05	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0032 U
Sodium	mg/L	20	**7.7**	**21**	**11**	**15**	**6.8**
Thallium	mg/L	0.0005	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
Vanadium	mg/L	NSL	< 0.0031 U	< 0.0031 U	**0.0056 J**	< 0.0031 U	< 0.0031 U
Zinc	mg/L	2	**0.0062 J**	< 0.0042 U	**0.029**	< 0.0042 U	< 0.0042 U

Notes:

mg/L = Milligram(s) per liter

D = Dilution

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 4. Summary of Metal Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-116S	MW-117D	MW-117I	MW-117S	MW-118S
		Sample Name	907017-DUP-04062022	907017-MW-117D	907017-MW-117I	907017-MW-117S	907017-MW-118S
		Parent Sample ID	907017-MW-116S-20220406				
		Sample Date	4/6/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level					
Aluminum	mg/L	NSL	**0.13 J**	**0.52**	**0.43**	**0.024 J**	**0.14**
Antimony	mg/L	0.003	< 0.0089 U	< 0.0089 U	< 0.0089 U	< 0.0089 U	< 0.0089 U
Arsenic	mg/L	0.025	< 0.0047 U	< 0.0047 U	< 0.0047 U	< 0.0047 U	**0.038**
Barium	mg/L	1	**0.15**	**0.69**	**0.36**	**0.40**	**0.15**
Beryllium	mg/L	0.003	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U
Cadmium	mg/L	0.005	< 0.0008 U	< 0.0008 U	< 0.0008 U	< 0.0008 U	< 0.0008 U
Calcium	mg/L	NSL	**110**	**110**	**190**	**110**	**34**
Chromium, Total	mg/L	0.05	< 0.0025 U	**0.0032 J**	**0.0058 J**	< 0.0025 U	< 0.0025 U
Cobalt	mg/L	NSL	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U	< 0.0014 U
Copper	mg/L	0.2	< 0.0036 U	**0.011**	< 0.0036 U	< 0.0036 U	< 0.0036 U
Iron	mg/L	0.3	**17 J**	**0.86**	**0.30**	**3.8**	**0.42**
Lead	mg/L	0.025	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U	< 0.003 U
Magnesium	mg/L	35	**30**	**27**	**29**	**33**	**7.3**
Manganese	mg/L	0.3	**1.1**	**0.32**	**0.056**	**0.23**	**0.10**
Mercury	mg/L	0.0007	< 0.00004 U	< 0.00004 U	< 0.00004 U	< 0.00004 U	< 0.00004 U
Nickel	mg/L	0.1	< 0.0088 U	< 0.0088 U	< 0.0088 U	< 0.0088 U	< 0.0088 U
Potassium	mg/L	NSL	**0.94 J**	**2.1**	**3.3**	**1.3 J**	**0.94 J**
Selenium	mg/L	0.01	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U
Silver	mg/L	0.05	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0032 U	< 0.0032 U
Sodium	mg/L	20	**5.5**	**5.2**	**4.8**	**6.4**	**13**
Thallium	mg/L	0.0005	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.019 U
Vanadium	mg/L	NSL	< 0.0031 U	< 0.0031 U	**0.0044 J**	< 0.0031 U	< 0.0031 U
Zinc	mg/L	2	< 0.0042 U	**0.010**	**0.027**	< 0.0042 U	< 0.0042 U

Notes:

mg/L = Milligram(s) per liter

D = Dilution

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 5. Summary of PFAS Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-101	MW-102	MW-102I	MW-109D	MW-109I
		Sample Name	907017-MW-101	907017-MW-102S	907017-MW-102I	907017-MW-109D	907017-MW-109I
		Parent Sample ID					
		Sample Date	4/5/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/L	NSL	< 0.72 U	< 0.74 U	< 0.74 U	< 0.79 U	< 0.78 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	NSL	< 0.77 U	< 0.79 U	< 0.79 U	< 0.85 U	< 0.83 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/L	NSL	< 0.86 U	< 0.88 U	< 0.88 U	< 0.95 U	< 0.93 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	NSL	< 0.83 U	< 0.85 U	< 0.86 U	< 0.92 U	< 0.9 U
N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid	ng/L	NSL	< 0.65 U	< 0.67 U	< 0.68 U	< 0.72 U	< 0.71 U
N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid	ng/L	NSL	< 0.61 U	< 0.63 U	< 0.63 U	< 0.68 U	< 0.66 U
Perfluorobutanesulfonic acid (PFBS)	ng/L	NSL	< 0.72 U	< 0.74 U	< 0.75 U	< 0.8 U	< 0.78 U
Perfluorodecanoic acid (PFDA)	ng/L	NSL	< 0.69 U	< 0.71 U	< 0.71 U	< 0.76 U	< 0.75 U
Perfluorododecanoic acid (PFDoA)	ng/L	NSL	< 0.58 U	< 0.6 U	< 0.6 U	< 0.65 U	< 0.63 U
Perfluoroheptanoic acid (PFHpA)	ng/L	NSL	< 0.64 U	< 0.65 U	< 0.66 U	< 0.7 U	< 0.69 U
Perfluorohexanesulfonic acid (PFHxS)	ng/L	NSL	**0.84 J**	< 0.63 U	< 0.63 U	< 0.67 U	< 0.66 U
Perfluorohexanoic acid (PFHxA)	ng/L	NSL	< 0.83 U	< 0.86 U	< 0.86 U	< 0.92 U	< 0.9 U
Perfluorononanoic acid (PFNA)	ng/L	NSL	< 0.83 U	< 0.86 U	< 0.86 U	< 0.92 U	< 0.9 U
Perfluorooctanesulfonic acid (PFOS)	ng/L	2.7	**5.1**	< 0.84 U	< 0.84 U	< 0.9 U	< 0.88 U
Perfluorooctanoic acid (PFOA)	ng/L	6.7	**1.9**	< 0.91 U	< 0.91 U	< 0.98 U	< 0.95 U
Perfluorotetradecanoic acid (PFTA)	ng/L	NSL	< 0.48 U	< 0.5 U	< 0.5 U	< 0.54 U	< 0.52 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	ng/L	NSL	< 0.56 U	< 0.57 U	< 0.58 U	< 0.62 U	< 0.6 U
Perfluoroundecanoic Acid (PFUnA)	ng/L	NSL	< 0.64 U	< 0.65 U	< 0.66 U	< 0.7 U	< 0.69 U

Notes:

ng/L = Nanogram(s) per liter

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 5. Summary of PFAS Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-109S	MW-113S	MW-114S	MW-115S	MW-116S
		Sample Name	907017-MW-109S	907017-MW-113S	907017-MW-114S	907017-MW-115S	907017-MW-116S
		Parent Sample ID					
		Sample Date	4/6/2022	4/5/2022	4/5/2022	4/5/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/L	NSL	< 0.75 U	< 0.71 U	< 0.71 U	< 0.72 U	< 0.72 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	NSL	< 0.81 U	< 0.77 U	< 0.77 U	< 0.78 U	< 0.77 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/L	NSL	< 0.9 U	< 0.85 U	< 0.85 U	< 0.86 U	< 0.86 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	NSL	< 0.87 U	< 0.82 U	< 0.82 U	< 0.84 U	< 0.83 U
N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid	ng/L	NSL	< 0.68 U	< 0.65 U	< 0.65 U	< 0.66 U	< 0.65 U
N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid	ng/L	NSL	< 0.64 U	< 0.61 U	< 0.61 U	< 0.62 U	< 0.61 U
Perfluorobutanesulfonic acid (PFBS)	ng/L	NSL	< 0.76 U	**1.0 J**	< 0.72 U	**0.76 J**	< 0.72 U
Perfluorodecanoic acid (PFDA)	ng/L	NSL	< 0.72 U	< 0.69 U	< 0.69 U	< 0.7 U	< 0.69 U
Perfluorododecanoic acid (PFDoA)	ng/L	NSL	< 0.61 U	< 0.58 U	< 0.58 U	< 0.59 U	< 0.59 U
Perfluoroheptanoic acid (PFHpA)	ng/L	NSL	< 0.67 U	**0.69 J**	< 0.63 U	**2.7**	< 0.64 U
Perfluorohexanesulfonic acid (PFHxS)	ng/L	NSL	< 0.64 U	**1.1 J**	< 0.61 U	**1.3 J**	< 0.61 U
Perfluorohexanoic acid (PFHxA)	ng/L	NSL	< 0.87 U	**1.8 J**	< 0.83 U	**4.1**	< 0.83 U
Perfluorononanoic acid (PFNA)	ng/L	NSL	< 0.87 U	< 0.83 U	< 0.83 U	< 0.84 U	< 0.83 U
Perfluorooctanesulfonic acid (PFOS)	ng/L	2.7	< 0.85 U	< 0.81 U	< 0.81 U	**4.6**	< 0.81 U
Perfluorooctanoic acid (PFOA)	ng/L	6.7	< 0.92 U	**4.9**	< 0.88 U	**16**	< 0.88 U
Perfluorotetradecanoic acid (PFTA)	ng/L	NSL	< 0.51 U	< 0.48 U	< 0.48 U	< 0.49 U	< 0.48 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	ng/L	NSL	< 0.58 U	< 0.55 U	< 0.55 U	< 0.56 U	< 0.56 U
Perfluoroundecanoic Acid (PFUnA)	ng/L	NSL	< 0.67 U	< 0.63 U	< 0.63 U	< 0.64 U	< 0.64 U

Notes:

ng/L = Nanogram(s) per liter

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Table 5. Summary of PFAS Concentrations in Groundwater Samples (April 2022)

		Location ID	MW-116S	MW-117D	MW-117I	MW-117S	MW-118S
		Sample Name	907017-DUP-04062022	907017-MW-117D	907017-MW-117I	907017-MW-117S	907017-MW-118S
		Parent Sample ID	907017-MW-116S-20220406				
		Sample Date	4/6/2022	4/5/2022	4/5/2022	4/6/2022	4/6/2022
Analyte	Unit	Groundwater Screening Level					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/L	NSL	< 0.72 U	< 0.72 U	< 0.74 U	< 0.71 U	< 0.72 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	NSL	< 0.77 U	< 0.77 U	< 0.79 U	< 0.76 U	< 0.77 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/L	NSL	< 0.85 U	< 0.86 U	< 0.88 U	< 0.85 U	< 0.86 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L	NSL	< 0.83 U	< 0.83 U	< 0.85 U	< 0.82 U	< 0.83 U
N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid	ng/L	NSL	< 0.65 U	< 0.66 U	< 0.67 U	< 0.65 U	< 0.65 U
N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid	ng/L	NSL	< 0.61 U	< 0.62 U	< 0.63 U	< 0.61 U	< 0.61 U
Perfluorobutanesulfonic acid (PFBS)	ng/L	NSL	< 0.72 U	**1.7 J**	< 0.74 U	< 0.72 U	< 0.72 U
Perfluorodecanoic acid (PFDA)	ng/L	NSL	< 0.69 U	< 0.69 U	< 0.71 U	< 0.68 U	< 0.69 U
Perfluorododecanoic acid (PFDoA)	ng/L	NSL	< 0.58 U	< 0.59 U	< 0.6 U	< 0.58 U	< 0.59 U
Perfluoroheptanoic acid (PFHpA)	ng/L	NSL	< 0.63 U	< 0.64 U	< 0.66 U	< 0.63 U	< 0.64 U
Perfluorohexanesulfonic acid (PFHxS)	ng/L	NSL	< 0.61 U	**0.82 J**	< 0.63 U	**2.7**	< 0.61 U
Perfluorohexanoic acid (PFHxA)	ng/L	NSL	< 0.83 U	< 0.84 U	< 0.86 U	< 0.83 U	< 0.84 U
Perfluorononanoic acid (PFNA)	ng/L	NSL	< 0.83 U	< 0.84 U	< 0.86 U	< 0.82 U	< 0.83 U
Perfluorooctanesulfonic acid (PFOS)	ng/L	2.7	< 0.81 U	< 0.82 U	< 0.84 U	**0.97 J**	< 0.81 U
Perfluorooctanoic acid (PFOA)	ng/L	6.7	< 0.88 U	< 0.89 U	< 0.91 U	< 0.88 U	< 0.88 U
Perfluorotetradecanoic acid (PFTA)	ng/L	NSL	< 0.48 U	< 0.49 U	< 0.5 U	< 0.48 U	< 0.48 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	ng/L	NSL	< 0.56 U	< 0.56 U	< 0.57 U	< 0.55 U	< 0.56 U
Perfluoroundecanoic Acid (PFUnA)	ng/L	NSL	< 0.63 U	< 0.64 U	< 0.66 U	< 0.63 U	< 0.64 U

Notes:

ng/L = Nanogram(s) per liter

J = Estimated value

NSL = No screening level available

U = Not detected

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

Detection of analytes are bolded

Results exceeding the Groundwater Screening Levels are bolded and shaded gray

Appendix A

Institutional Control/Engineering Control Certification Form

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STATE OF NEW YORK : COUNTY OF CHAUTAUQUA

THE TOWN OF CARROLL

AFFIDAVIT

NYSDEC SITE NUMBER: 907017

STATE OF NEW YORK)
COUNTY OF CHAUTAUQUA) :ss

RUSSELL PAYNE being duly sworn, deposes and says:

1. That I am the Supervisor in the Town of Carroll, which is located at 5 Main St. Frewsburg, NY 14738. I make this affidavit upon information and belief.
2. In my capacity as Supervisor, I have knowledge regarding the Landfill that is associated with NYSDEC site number 907017.
3. There have been no changes to the executed environmental easement or other institutional controls over the course of the last year.

Russel Payne
Town of Carroll Supervisor

Sworn to before me this 12
Day of October 2022
Notary Public

SUSAN J ROWLEY, #01RO6361158
Notary Public, State of New York
Qualified in Chautauqua County
My Commission Expires July 3, 2025

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STATE OF NEW YORK : COUNTY OF CHAUTAUQUA

THE TOWN OF CARROLL

AFFIDAVIT

NYSDEC SITE NUMBER: 907017

STATE OF NEW YORK)
COUNTY OF CHAUTAUQUA) :ss

RUSSELL PAYNE being duly sworn, deposes and says:

1. That I am the Supervisor in the Town of Carroll, which is located at 5 Main St. Frewsburg, NY 14738. I make this affidavit upon information and belief.
2. In my capacity as Supervisor, I have knowledge regarding the Landfill that is associated with NYSDEC site number 907017.
3. There have been no changes to the executed environmental easement or other institutional controls over the course of the last year.

Russel Payne
Town of Carroll Supervisor

Sworn to before me this 12
Day of October 2022
Notary Public

SUSAN J ROWLEY, #01RO6361158
Notary Public, State of New York
Qualified in Chautauqua County
My Commission Expires July 3, 2025

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. **907017**

Site Name Carroll Town Landfill

Site Address: Ivory Road - State Route 62 Zip Code: 14738
City/Town: Carroll
County: Chautauqua
Site Acreage: 25.0

Reporting Period: January 25, 2021 to May 25, 2022

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

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____
Signature of Standby Consultant/Contractor Date

SITE NO. 907017 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	Town of Carroll	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
Environmental Easement		

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	Cover System Groundwater Containment Monitoring Wells
Soil cap, plume control	

Box 5

Periodic Review Report (PRR) Certification Statements

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

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

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

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or 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) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor

Date

Box 6

IC/EC CERTIFICATIONS

Professional Engineer Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I JAMES C. HAYWARD at EA ENGINEERING, P.C.
print name

269 WEST JEFFERSON ST

SYRACUSE, NY 13202
(print business address)

am certifying as a Professional Engineer.

James C Hayward
Signature of Professional Engineer



Stamp
(Required for PE)

10/24/2022
Date

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Appendix B

Daily Field Reports

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DAILY FIELD REPORT **Day: Wednesday Date: 26 May 2021**

Temperature: (F) 880° F

Wind Direction: N/A

Weather: (pm) sunny

Project Name: Carroll Town Landfillll

NYSDEC Site # 907017

Work Assignment # 1602523

Location: Frewsburg, New York

Arrive at site: 1200 (pm)

Leave site: 1320 (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 ( )

- *If No, provide comments*

OTHER ITEMS:

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

DESCRIPTION OF DAILY WORK PERFORMED:

(1200) N. Carfi and C. Schroer arrived onsite at Carroll Town Landfill, specifically 1735 Wahlgren Road, Frewsburg, New York. (1205) Begin finding wells and conducting site visit. EA able to locate all wells except MW-110S, MW-111S, and MW-111I. MW-110S appears to be in an area of thick brush; willlneed GPS coordinates to locate. MW-111S and MW-111I appear to be in an area of thick brush located on opposite side of large stream; will need GPS coordinates and watercraft to locate. (1320) EA left site and headed for next site visit (Conrail).

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

EA personnel: Nicole Carfi; Chris Schroer

NYSDEC personnel: None

Subcontractor personnel: None

EA equipment:* 2020 Ford Explorer, water level meter, tool kit

Subcontractor Equipment: None

(*Indicates active equipment)

VISITORS TO SITE:

None.

PROJECT SCHEDULE ISSUES:

None.

PROJECT BUDGET ISSUES:

None.

ITEMS OF CONCERN:
MW-101 was busted and missing a cap. MW-111S and MW-111I could not be located. They appear to be in heavy brush and across a stream of water; will need GPS coordinates and watercraft to access. MW-110S could not be located. It appears to be in heavy brush; will need GPS coordinates to locate. A few wells were locked; need to locate keys to access.

COMMENTS:
None.

ATTACHMENT(S) TO THIS REPORT:

Photolog

SITE REPRESENTATIVE:

Name: N. Carfi



cc:

MW-101



MW-114S



MW-113S



MW-115S



MW-102 and MW-102II





MW-103



MW-118S



MW-112S



MW-117S,, MW-117I, and MW-117DD



MW-13



MW-109S, MW-109I, and MW-109D



Creek along northern boundary of property



Small channel of water and vegetation dividing western and eastern cells of landfill



NYSDEC
Division of Environmental Remediation

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NYSDEC Contract No. D009806

NYSDEC PM: Evelyn Hussey/ Sarah Saucier

Consultant PM: Chris Schroer

Consultant Site Inspectors:

Emily Fenner

Site Location: Carroll, New York

Weather Conditions

General Description	Sunny	AM	Sunny	PM
Temperature	30°F	AM	31°F	PM
Wind	None	AM	None	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

None.

Summary of Work Performed	Arrived at site:	1100	Departed Site:	1345

(0600) EA personnel (E. Fenner, H. Young) leave EA office. (1030) Stop at Home Depot to get extra supplies. (1100) EA onsite. Entrance road not plowed. Attempt at driving through resulted in getting stuck. Could not locate another access road. (1115) GW sampling aborted due to inaccessibility and high level of snow. (1138) EA began site inspection on foot. Site Inspection form attached. (1330) Completed inspection; started walk back to vehicle. (1345) EA offsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Emily Fenner	EA	O&M Inspector	3
Haley Young	EA	O&M Inspector	3

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None.		**Yes**	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Emily Fenner	EA

Project Schedule Comments

None.

Issues Pending

Access road to landfill covered in snow deeming the site inaccessible by vehicle; EA will delay sampling until snow levels reduce, road is plowed, or EA can obtain sleds to tote sampling equipment to the wells. Monitoring wells MW-13, MW110S, MW-111S, and MW-111I could not be found. Assumed to be hidden in brush and buried under snow.

Interaction with Public, Property Owners, Media, etc.

None.

Site Photographs (Descriptions Below)



Southern section of landfill; looking east



View of the landfill; looking NNE



MW-102I & 102S



MW-103, destroyed by fire range

Site Photographs (Descriptions Below)



MW-118S on the edge of wetlands



Wetland at north end of site



MW-113S on the edge of wetlands



Patch of dug up snow on landfill from local fauna

Comments	
Groundwater sampling event will be postponed until snow/winter conditions improve. Fauna activity noticed on landfill cap, but no damage to cap was observed.	
Site Inspector(s):	**Date:** 31 January 2022

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: None.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☒	No ☐
Comments: None.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is the site supplied with green power and is it properly installed and/or maintained?	Yes ☐	No ☒	N/A☐
Is the site employing 2007 or newer or retrofitted diesel trucks?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A☐
Is equipment properly maintained and operated by trained personnel?	Yes ☒	No ☐	N/A☐
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR generated wastes and is it complied with?	Yes ☐	No ☒	N/A☐
Are office trailer heating and cooling systems maintained at efficient set points?	AM ☐	PM ☐	N/A☒
Are products and materials appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Are appropriate metrics documented for inclusion on Form A, Summary of Green Remediation Metrics, by the CONTRACTOR?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☒	N/A☒
Comments: Unknown if there is a recycling program at this time.			

Site Inspection Checklist

Site Name (Number): Town enclosed Landfill Date/Time: 1/31/2022 11:30

Site Address (nearest cross street): Route 62

Weather: Sunny, clear 25° Personnel: EF, HY

Site property description (.e.g, buildings, fencing, gates, etc)

Building(s): NA	Stories: NA	In Use/Active: NA	
Bldg material: NA		Area Use (R/C/I): NA	
Fenced (Y/N) (material): None		Gate(s): Y	Lock(s): N

Nearest adjacent buildings (and descriptions):
Department of Water facility

Site Surface Hydrology

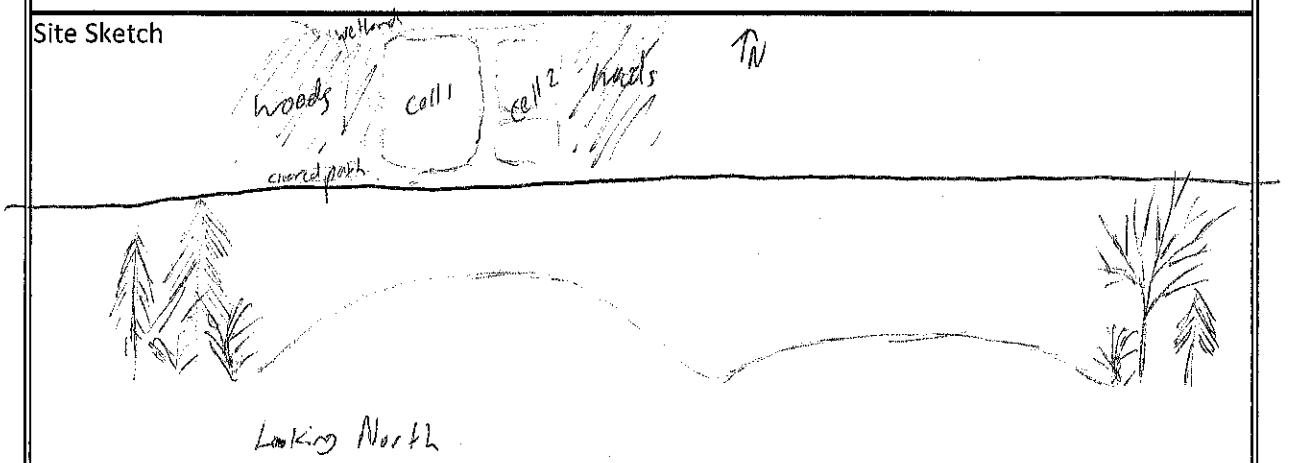
Surface water drainage/Impoundments:	Creeks/Streams:
Ponds/Water front : Pooled water between landfill cells, wetland to the N-NW	

Site Features

Asphalt/Concrete (%) : 0	Condition: Fine
Slope/Direction (steep/flat,hilly, etc.) Landfill cap	
Vegetation (grassy/trees/shrubs; overgrown, etc.) Wooded area on perimeter	
Overhead Utilities (electric/data/phone): None	
Subsurface Utilities and Locations: ~~N/A~~ Subsurface pipeline in eastern woods	
Monitoring Wells (see attached checklist).	

Notes/Other Observations:
Patches of snow dug up around eastern side of landfill from animal hunting activities; no damage appears to be done to vegetation level.

Site Sketch



Well Inspection Checklist

Site Name (Number): Carroll Cudall 160252300020 Date/Time: 1/31/22 1130

Weather: Clear, 25°F

Well ID	Stick-up/ Flush	Locked (Y/N)	Well Diameter (inches)	Pad Condition	Well Labeled?	TOC Ref Mark	DTW	Well Total Depth
MW-102*	Stickup	N	2	U	N	N	—	—
MW-102I	Stickup	N	2	U	N	N	—	—
MW-117S	"	N	"	"	"	"	—	—
MW-117I	"	N	"	"	"	"	—	—
MW-117D	"	"	"	"	N	"	—	—
MW-109S	"	Y	U	U	N	U	—	—
MW-109I	"	N	2	U	N	"	—	—
MW-109D	"	Y	U	U	N	U	—	—
MW-103*	"	N	2	U	N	U	—	—
MW-114S	"	N	2	U	N	N	—	—
MW-112S	"	N	"	U	N	N	—	—
MW-113S	"	N	"	U	N	Y	—	—
MW-114S	"	"	"	"	"	"	—	—
MW-115S	"	"	"	"	"	"	—	—
MW-101*	"	"	"	"	"	"	—	—
MW-116S	"	N	"	"	N	"	—	—

Notes:

MW-103 shot up, tubing sticking out and frozen in well, TOC inaccessible due to ice.

Could not locate MW-13, MW110S, MW-111I or S. Assumed to be lost in brush.

* Did not have a cap. MW101 lid broken

NYSDEC Division of Environmental Remediation					**NYSDEC Contract No. D009806** NYSDEC PM: Evelyn Hussey/ Sarah Saucier Consultant PM: Chris Schroer Consultant Site Inspectors: Emily Fenner
Site Location: Carroll, New York					
Weather Conditions					
General Description	Sunny	AM	Sunny	PM	
Temperature	44°F	AM	65°F	PM	
Wind	None	AM	None	PM	

Health & Safety **If any box below is checked "Yes", provide explanation under "Health & Safety Comments".**			
Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

None.

Summary of Work Performed	Arrived at site:	1000	Departed Site:	1805

(0600) EA personnel (E. Fenner, H. Young) leave EA office.
(1000) EA arrives onsite.
(1015) Calibrated two Horibas and two PIDs.
(1130) Started purging at MW-117I.
(1135) Started purging MW-101S.
(1215) Sampled MW-117I.
(1250) Started purging at MW-117D.
(1311) Sampled MW-101S.
(1351) Sampled MW-117D.
(1355) Started purging at MW-115S.
(1437) Sampled MW-115S.
(1500) Set up at MW-102 complete, but generator was inoperable due to low oil levels. E. Fenner left site to purchase motor oil.
(1512) E. Fenner returns to site, repaired generator.
(1518) Started purging at MW-114S.
(1521) Started purging MW-102.
(1542) Sampled MW-114S and MW-102.
(1630) Begin purge at MW-102I.
(1635) Started purging MW-113S.
(1720) Sampled MW-102I.
(1723) Sampled MW-113S.
(1750) Collected Field Blank and Rinse Blank.
(1805) EA offsite.

All samples will be analyzed for 8270 Standard, 8260 Standard VOC's, Metals, and PFAS 537.1.

Equipment/Material Tracking **If any box below is checked "Yes", provide explanation under "Material Tracking Comments".**			
Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Emily Fenner	EA	Geologist	8
Haley Young	EA	Scientist	8

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None.		**Yes**	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Emily Fenner	EA

Project Schedule Comments

None.

Issues Pending

Some wells were missing locks, missing well caps, had rusted hinges, and damaged PVC pipes. EA will replace locks on wells tomorrow prior to leaving the site.

Interaction with Public, Property Owners, Media, etc.

None.

Site Photographs (Descriptions Below)	
	
White flakes of sediment in MW-117I	White sediment from MW-117D

Comments	
None	
Site Inspector(s): Emily Fenner	**Date:** 05 April 2022

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: None.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☒	No ☐
Comments: None.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is the site supplied with green power and is it properly installed and/or maintained?	Yes ☐	No ☒	N/A☐
Is the site employing 2007 or newer or retrofitted diesel trucks?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A☐
Is equipment properly maintained and operated by trained personnel?	Yes ☒	No ☐	N/A☐
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR generated wastes and is it complied with?	Yes ☐	No ☒	N/A☐
Are office trailer heating and cooling systems maintained at efficient set points?	AM ☐	PM ☐	N/A☒
Are products and materials appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Are appropriate metrics documented for inclusion on Form A, Summary of Green Remediation Metrics, by the CONTRACTOR?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☒	N/A☒
Comments: Unknown if there is a recycling program at this time.			

NYSDEC Division of Environmental Remediation					**NYSDEC Contract No. D009806** NYSDEC PM: Evelyn Hussey/ Sarah Saucier Consultant PM: Chris Schroer Consultant Site Inspectors: Emily Fenner
Site Location: Carroll, New York					
Weather Conditions					
General Description	Cloudy	AM	Cloudy	PM	
Temperature	48°F	AM	60°F	PM	
Wind	None	AM	E 20 mph	PM	

Health & Safety **If any box below is checked "Yes", provide explanation under "Health & Safety Comments".**			
Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

None.

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1600

(0730) EA personnel (E. Fenner, H. Young) arrive onsite.
(0745) Calibrated two Horibas and two PIDs.
(0819) Started purging at MW-116S.
(0841) Started purging MW-109S; old tubing stuck in well, did not impede ability to sample.
(0915) Sampled MW-109S.
(0919) Sampled MW-116S (Field Duplicate collected here).
(0951) Started purging at MW-109I. Top PVC section bent. Grundfos pump unable to fit down well. Peristaltic pump used to purge well instead.
(1014) Sampled MW-109I. Started purging at MW-118S.
(1047) Started purging at MW-109D.
(1059) Sampled MW-118S.
(1115) MW-112S surrounded by water of unknown depth. Deemed inaccessible.
(1148) Sampled MW-109D (MS/MSD taken here).
(1203) Started purging MW-117S
(1303) Sampled MW-117S.
(1310) Began search for MW-13.
(1355) Ended search for MW-13; well is assumed to be lost in brush.
(1400) EA temporarily leaves site to purchase locks for all wells.
(1420) EA returns to site, begin sitewide gauging event.
(1440) EA secures all wells able to properly close with locks. Gauging event is complete.
(1500) Organize samples and coolers, as well as QC for labels.
(1530) Collected Field Blank and Rinse Blank.
(1600) Depart to purchase ice and pack coolers. EA offsite.

All samples will be analyzed for 8270 Standard, 8260 Standard VOC's, Metals, and PFAS 537.1.

Equipment/Material Tracking **If any box below is checked "Yes", provide explanation under "Material Tracking Comments".**			
Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Emily Fenner	EA	Geologist	8.50
Haley Young	EA	Scientist	8.50

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
N/A						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

None.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None.		**Yes**	**No**
		Yes	**No**
		Yes	**No**

Site Representatives

Name	Representing
Emily Fenner	EA

Project Schedule Comments

None.

Issues Pending

Some wells were missing locks, missing well caps, had rusted hinges, and damaged pvc pipes.

Interaction with Public, Property Owners, Media, etc.

None.

Site Photographs (Descriptions Below)	
	
Top section of PVC bent in MW-109I.	MW-112S surrounded by water of unknown depth.

Comments	
None	
Site Inspector(s): Emily Fenner	**Date:** 06 April 2022

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: None.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have permission to enter the property at this time?	Yes ☒	No ☐
If Yes to any of 1-4 above: • If it is not critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it is critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☒	No ☐
Comments: None.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is the site supplied with green power and is it properly installed and/or maintained?	Yes ☐	No ☒	N/A☐
Is the site employing 2007 or newer or retrofitted diesel trucks?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☒	No ☐	N/A☐
Is equipment properly maintained and operated by trained personnel?	Yes ☒	No ☐	N/A☐
Is work being sequenced to avoid double handling?	Yes ☒	No ☐	N/A☐
Is there an onsite recycling program for CONTRACTOR generated wastes and is it complied with?	Yes ☐	No ☒	N/A☐
Are office trailer heating and cooling systems maintained at efficient set points?	AM ☐	PM ☐	N/A☒
Are products and materials appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Are appropriate metrics documented for inclusion on Form A, Summary of Green Remediation Metrics, by the CONTRACTOR?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☒	N/A☒
Comments: Unknown if there is a recycling program at this time.			

Appendix C

Field Log

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Town of Carroll Landfill
160252.1/0026

Clear, 25°F
Fenner, Young 1/30/22

0600 EA left office for site

1100 EA onsite, road not plowed, truck got stuck, could not find another access road.

1115

GW sampling event aborted due to inaccessability and high level of snow

1138

EA began well/site inspection on foot through site.

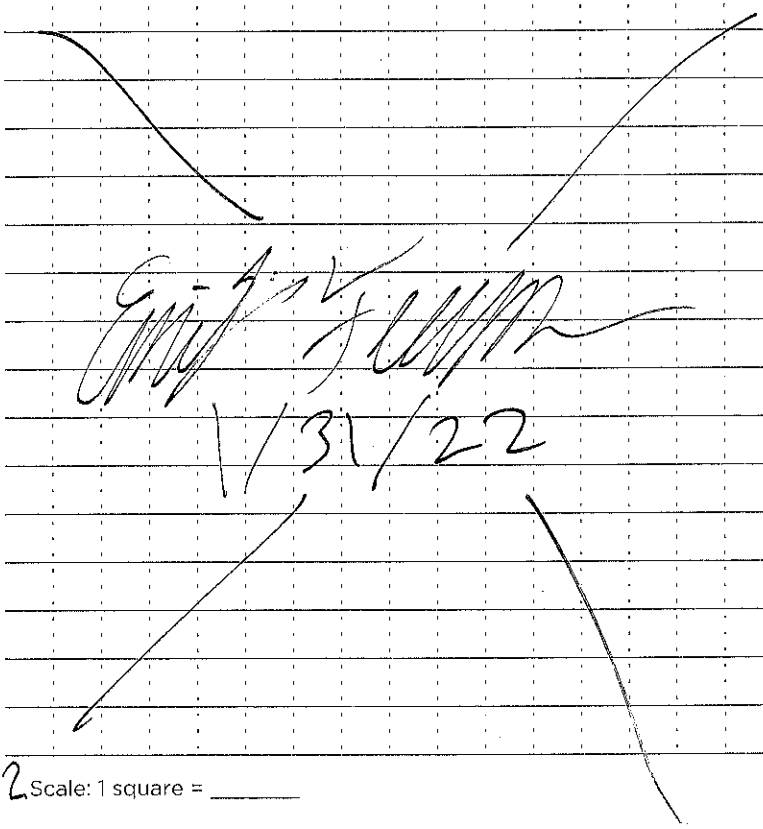
Well	Notes/Condition:
MW-102I	weight
MW-102	no cap, weight + baler
MW-117S	good — no label
MW-117I	good — no label
MW-117D	good — no label
MW-109S	locked
MW-109I	good
MW-109D	locked
MW-103	destroyed, frozen with tubing
MW-110S	could not find
MW-118S	good

Scale: 1 square = _____

Rite in the Rain

Well	Notes/Condition:	1/31/22
MW-112S	visible ice in well	
MW-113S	good	
MW-114S	good	
MW-115S	good	
MW-101	no cap	
MW-116S	good	
MW-13	could not find	

1345 EA offsite



2 Scale: 1 square = _____

Town Landfill GW Sampling — Carroll, NY — 65°F Clear
(Young)
04/05/22

- EA departs office (EFenner + H.Young)
- EA arrives onsite
- Calibrated Instruments (2 Horibas, 2 PID)
- Started purging MW-117S
- Started purging MW-101
- Sample MW-117I
- Started purging MW-117D
- Sampled MW-117D. High Turbidity
- ~~Was at~~ (EF) Setup at MW-102
- complete; Int generator was low on oil. EF left to buy oil
- Return with motor oil, fixed generator
- Purge begins at MW-102
- Sampled MW-102
- Begin purge at MW-102I
- Sampled MW-102I
- Took Rinse/Equip blank and field blank
- EA offsite
- ~~Started purging~~ (EF) Young's activities:
- Sampled MW-101
- Started purging MW-115S
- ~~Sampled MW-115S~~
- Started purging MW-114S
- Sampled MW-114S
- ~~Started purging MW-113S~~
- Sampled MW-113S

Emily Fenner
04/05/22

Scale: 1 square = _____

Carroll Town Landfill GW Sampling — 60°F Cloudy
(Fenner, Young) — 04/06/22

- 0730 EA onsite
- 0745 Calibrated Horibas
- 0819 Started purging MW-116S
- 0841 Started purging MW-109S, old tubing stuck in well
- 0915 Sampled MW-109S
- 0919 Sampled MW-116S, DUP taken here
- 0951 Started purging MW-109I, PVC bent, used Poly
- 1014 Sampled MW-109I, Started purge at MW-118S
- 1047 Started purge at MW-109D
- (EF) ~~Sam~~ 1059 Sampled MW-118S
- 1115 MW-112S deemed inaccessible due to the well being surrounded by water
- 1148 Sampled MW-109D w/ MS/MSD, Sample turbid
- 1203 Purging MW-117S
- 1307 Sampled ~~(EF) 1305~~ MW-117S

Gauge:

MW-109S:	5.90	22.85
MW-109I:	4.48	47.54
MW-109D:	4.40	73.81
MW-117I:	7.05	37.35
MW-117S:	6.90	22.25
MW-117D:	7.54	75.79
MW-102S:	3.51	31.66

Scale: 1 square = _____

Rite in the Rain

MW-102I:	4.29	45.12
MW-110S:	6.90	22.40
MW-101:	~~17.80~~ 5.48	17.80
MW-115S:	8.31	22.80
MW-114S:	9.69	22.40
MW-113S:	5.81	22.50
~~MW-112S:~~		
MW-118S:	9.81	22.33

Started search for MW-13

Gave up on search for MW-13. Searched through brush on southside of property near MW-117 and further west of there. Also looked on northside of the side road leading to MW-117 cluster. Walked to end of the road with no luck. Most wells have a reflective post next to the well. The reflective post was never found.

EA mob to hardware store to buy locks for all wells. Begin gauging. EA secures all wells that are able with locks. H. Young (EF) ~~begins~~ (EF) completes gauging event.

Scale: 1 square = _____

Well	Lock/Key ID
MW-102I	X2796
MW-109D	X2796
MW-109S	X2796
MW-117S	0390
MW-117I	0390
MW-117D	0390
MW-118S	X2796
MW-114S	A1201
MW-113S	A1201

1500 organize coolers and ~~set~~ QC ing labels

1530 Take RB and FB

1600 Drive to TOPS to get ice and pack coolers. Depart site

1700 Attempt shipment at UPS, head to FedEX authorized shipping center.

1720 Shipping center does not accept corporate account number. Elect to ship coolers tomorrow.

1730 Drive back to office. EA offsite.

Emily Fenner
04/06/22

Scale: 1 square = _____

Rite in the Rain

Appendix D

Site Inspection Report

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Site Inspection Checklist

Site Name (Number): Town enclosed Landfill Date/Time: 1/31/2022 11:30

Site Address (nearest cross street): Route 62

Weather: Sunny, clear 25° Personnel: EF, HY

Site property description (.e.g, buildings, fencing, gates, etc)

Building(s): NA	Stories: NA	In Use/Active: NA	
Bldg material: NA		Area Use (R/C/I): NA	
Fenced (Y/N) (material): None		Gate(s): Y	Lock(s): N

Nearest adjacent buildings (and descriptions):
Department of Water facility

Site Surface Hydrology

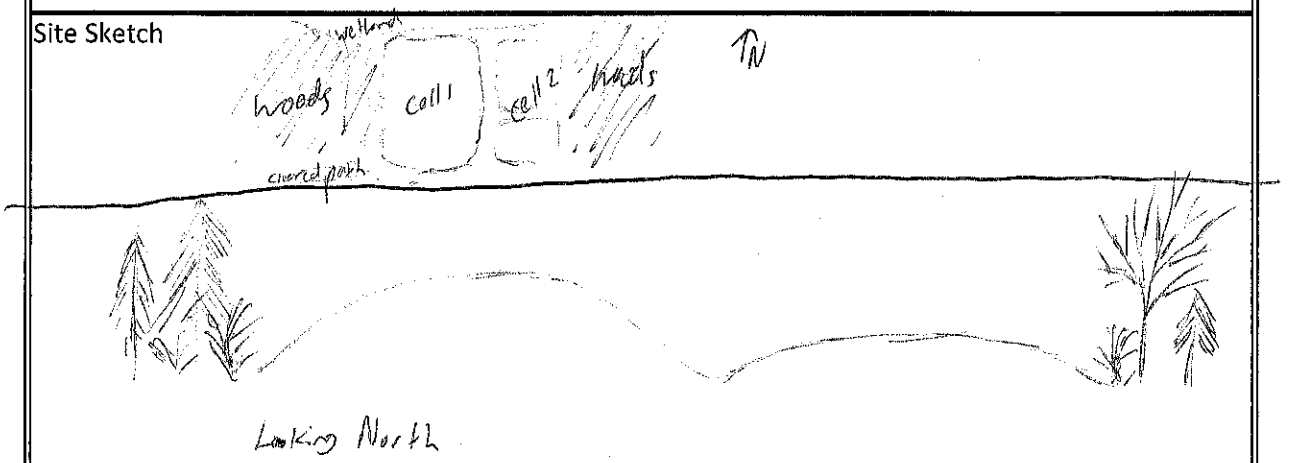
Surface water drainage/Impoundments:	Creeks/Streams:
Ponds/Water front : Pooled water between landfill cells, wetland to the N-NW	

Site Features

Asphalt/Concrete (%) : 0	Condition: Fine
Slope/Direction (steep/flat,hilly, etc.) Landfill cap	
Vegetation (grassy/trees/shrubs; overgrown, etc.) Wooded area on perimeter	
Overhead Utilities (electric/data/phone): None	
Subsurface Utilities and Locations: ~~N/A~~ Subsurface pipeline in eastern woods	
Monitoring Wells (see attached checklist).	

Notes/Other Observations:
Patches of snow dug up around eastern side of landfill from animal hunting activities; no damage appears to be done to vegetation level.

Site Sketch



Well Inspection Checklist

Site Name (Number): Carroll Cudall 160252300020 Date/Time: 1/31/22 1130

Weather: Clear, 25°F

Well ID	Stick-up/ Flush	Locked (Y/N)	Well Diameter (inches)	Pad Condition	Well Labeled?	TOC Ref Mark	DTW	Well Total Depth
MW-102*	Stickup	N	2	U	N	N	—	—
MW-102I	Stickup	N	2	U	N	N	—	—
MW-117S	"	N	"	"	"	"	—	—
MW-117I	"	N	"	"	"	"	—	—
MW-117D	"	"	"	"	N	"	—	—
MW-109S	"	Y	U	U	N	U	—	—
MW-109I	"	N	2	U	N	"	—	—
MW-109D	"	Y	U	U	N	U	—	—
MW-103*	"	N	2	U	N	U	—	—
MW-114S	"	N	2	U	N	N	—	—
MW-112S	"	N	"	U	N	N	—	—
MW-113S	"	N	"	U	N	Y	—	—
MW-114S	"	"	"	"	"	"	—	—
MW-115S	"	"	"	"	"	"	—	—
MW-101*	"	"	"	"	"	"	—	—
MW-116S	"	N	"	"	N	"	—	—

Notes:

MW-103 shot up, tubing sticking out and frozen in well, TOC inaccessible due to ice.

Could not locate MW-13, MW110S, MW-111I or S. Assumed to be lost in brush.

* Did not have a cap. MW101 lid broken

Inspection Form-Landfills

New York State Department of Environmental Conservation
Inactive Hazardous Waste Site

Site Name: Carroll Town Landfill	NYSDEC Site Number: 907017	NYSDEC PM: Sarah Sanclier
Site Location: Village of Frewsburg Town of Carroll, NY	Site Classification # (circle): 1 2 2a 3 4	Primary Site Contact: Hilary Williams
Site Inspection Date: 4/5/22	Purpose of Inspection: Annual Inspection Concurrent of GW sampling	
Name of Inspector: Emily Fenner	Title: Geo	Agency/Company: EA
Phone Number: (315) 572-5864		Address: 269 W Jefferson St Syracuse, NY 13202

Landfill Cover System				
Cover System Onsite?	(Yes)	No (Proceed to next Section)		Cover System Observations: Old chairs, wagons, plastic toys, aluminum cans, etc. on edges of wooded area on SW corner of landfill like
Vegetative Cover Condition	(Good)	Poor	NA	
Evidence of Vegetative Stress	Yes	(No)	NA	
Mowing Required	Yes	(No)	NA	
Presence of Debris	(Yes)	No	NA	
Evidence of Ponded Water	Yes	(No)	NA	
Exposed Geotextile	Yes	(No)	NA	
Evidence of Erosion Settlement	Yes	(No)	NA	
Engineered Drainage Swale Condition	(Good)	Poor	NA	
Evidence of Leachate Seepage	Yes	(No)	NA	
Evidence of Erosion	Yes	(No)	NA	
Presence of Woody Growth	Yes	(No)	NA	
Animal Burrows	Yes	(No)	NA	

Stormwater Collection and Drainage				
Drainage Channel Condition	(Good)	Poor	NA	Observations: overgrowth of vegetation in drainage swale obscures view of any sedimentation
Sedimentation	Yes	No	(NA)	
Sediment Samples Collected	Yes	(No)	NA	
Debris	Yes	(No)	NA	
Erosion/Slope Loss	Yes	(No)	NA	
Evidence of Leachate Seepage	Yes	(No)	NA	
Rip-Rap Condition	(Good)	Poor	NA	
Condition of Synthetic Liner	(Good)	Poor	NA	
Culvert Condition	(Good)	Poor	NA	
Other Drainage Structures/Pipes	(Good)	Poor	NA	
Condition of Drainage Grates	(Good)	Poor	NA	
Retention Ponds	(Good)	Poor	NA	

Building Structures				
Are there any building structures at the site?	Yes	(No) (Proceed to next section)		Building Condition Observations:
Overall Exterior Condition	Good	Poor	NA	
Overall Interior Condition	Good	Poor	NA	
Interior Floor	Good	Poor	NA	
Vaulted Areas	Good	Poor	NA	

Leachate Collection System				
Is there a leachate collection system at the site?	Yes	(No) (Proceed to next section)		Collection System Observations:
Collection Trench Condition	Good	Poor	NA	
Transfer Flow Pipes	Good	Poor	NA	
Condition of Valves	Good	Poor	NA	
Leachate Pump Condition	Good	Poor	NA	
Holding Tank(s) Condition	Good	Poor	NA	
Leachate Transfer/Loading Area	Good	Poor	NA	
List other applicable components and their overall condition				

Environmental Monitoring Locations				
Is there a monitoring network at the site?	(Yes)	No (Proceed to next section)		Monitoring Network Observations: MW-103 destroyed by firearm. Unable to locate/access MW-111, MW-110, MW-43, and MW-112
Monitoring Wells/Piezometers	(Good)	Poor	NA	
Soil Gas Monitoring Probes	Good	Poor	(NA)	
Landfill Gas Vents	Good	Poor	(NA)	
List other applicable location types and their overall condition				

Inspection Form-Landfills

New York State Department of Environmental Conservation
Inactive Hazardous Waste Site

Interviews/Additional Contacts			
Name/Title	Phone:	Company/Entity	Contact Information
None	—	—	—

Additional Observation Notes:

Photograph Log:
Photograph 1
Photograph 2
Photograph 3
Photograph 4
Photograph 5
Photograph 6
Photograph 7
Photograph 8
Photograph 9
Photograph 10

Performance Monitoring

Were ~~sludge~~ samples collected during this visit? (Yes) **No**

Sample type collected *(circle or write in other)* **:** (Groundwater) **Sediment Soil Leachate Air Surface Water**

List Parameters/Methods Collected Per Media:

8270 Standard
8260 Standard
TAL Metals 6010
PFAS 537.1

Analytical Laboratory/Location: Contest in Longmeadow, MA

Sample Observations: Some samples were slightly cloudy, contained ~~trace~~ little white flecks, others contained fine black sediment. Some samples excessively turbid

Inspection Form-Landfills

New York State Department of Environmental Conservation
Inactive Hazardous Waste Site

Site Name: Carroll Town Landfill	NYSDEC Site Number: 907017	NYSDEC PM: Sarah Sanclier
Site Location: Village of Frewsburg Town of Carroll, NY	Site Classification # (circle): 1 2 2a 3 4	Primary Site Contact: Hilary Williams
Site Inspection Date: 4/5/22	Purpose of Inspection: Annual Inspection Concurrent of GW sampling	
Name of Inspector: Emily Fenner	Title: Geo	Agency/Company: EA
Phone Number: (315) 572-5864		Address: 269 W Jefferson St Syracuse, NY 13202

Landfill Cover System				
Cover System Onsite?	(Yes)	No (Proceed to next Section)		Cover System Observations: Old chairs, wagons, plastic toys, aluminum cans, etc. on edges of wooded area on SW corner of landfill like
Vegetative Cover Condition	(Good)	Poor	NA	
Evidence of Vegetative Stress	Yes	(No)	NA	
Mowing Required	Yes	(No)	NA	
Presence of Debris	(Yes)	No	NA	
Evidence of Ponded Water	Yes	(No)	NA	
Exposed Geotextile	Yes	(No)	NA	
Evidence of Erosion Settlement	Yes	(No)	NA	
Engineered Drainage Swale Condition	(Good)	Poor	NA	
Evidence of Leachate Seepage	Yes	(No)	NA	
Evidence of Erosion	Yes	(No)	NA	
Presence of Woody Growth	Yes	(No)	NA	
Animal Burrows	Yes	(No)	NA	

Stormwater Collection and Drainage				
Drainage Channel Condition	(Good)	Poor	NA	Observations: overgrowth of vegetation in drainage swale obscures view of any sedimentation
Sedimentation	Yes	No	(NA)	
Sediment Samples Collected	Yes	(No)	NA	
Debris	Yes	(No)	NA	
Erosion/Slope Loss	Yes	(No)	NA	
Evidence of Leachate Seepage	Yes	(No)	NA	
Rip-Rap Condition	(Good)	Poor	NA	
Condition of Synthetic Liner	(Good)	Poor	NA	
Culvert Condition	(Good)	Poor	NA	
Other Drainage Structures/Pipes	(Good)	Poor	NA	
Condition of Drainage Grates	(Good)	Poor	NA	
Retention Ponds	(Good)	Poor	NA	

Building Structures				
Are there any building structures at the site?	Yes	(No) (Proceed to next section)		Building Condition Observations:
Overall Exterior Condition	Good	Poor	NA	
Overall Interior Condition	Good	Poor	NA	
Interior Floor	Good	Poor	NA	
Vaulted Areas	Good	Poor	NA	

Leachate Collection System				
Is there a leachate collection system at the site?	Yes	(No) (Proceed to next section)		Collection System Observations:
Collection Trench Condition	Good	Poor	NA	
Transfer Flow Pipes	Good	Poor	NA	
Condition of Valves	Good	Poor	NA	
Leachate Pump Condition	Good	Poor	NA	
Holding Tank(s) Condition	Good	Poor	NA	
Leachate Transfer/Loading Area	Good	Poor	NA	
List other applicable components and their overall condition				

Environmental Monitoring Locations				
Is there a monitoring network at the site?	(Yes)	No (Proceed to next section)		Monitoring Network Observations: MW-103 destroyed by firearm. Unable to locate/access MW-111, MW-110, MW-43, and MW-112
Monitoring Wells/Piezometers	(Good)	Poor	NA	
Soil Gas Monitoring Probes	Good	Poor	(NA)	
Landfill Gas Vents	Good	Poor	(NA)	
List other applicable location types and their overall condition				

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Appendix E

Groundwater Sampling Purge Forms

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-117S	EA Personnel: EF, HY	Client: NYSDEC
Location: Carrol Landfill	Well Condition: good	Weather: Cloudy 59°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: TOC
Stick Up/Down (ft): Stick up	Gauge Time: 1420	Well Diameter (in): 2 in

Purge Date: 04/06/2022	Purge Time: 1203
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.25	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 6.90	E. Well Volume (gal) C*D):	Pump Type: Peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) mS/cm	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1203	15.18	6.83	-53	10000.651	1000	3.79		.25	
1206	14.93	6.78	-54	.654	1000	2.19		↓	
1209	14.74	6.76	-56	.656	1000	2.37			
1212	14.59	6.75	-57	.658	1000	2.37			
1215	13.25	6.75	-58	.676	553	1.84			
1218	13.26	6.75	-59	.673	474	1.92			
1221	13.25	6.75	-60	.6769	387	1.58			
1224	13.24	6.76	-60	.6760	344	1.92			
1227	12.69	6.76	-60	.673	320	1.90			
1230	12.82	6.76	-61	.6761	239	1.68			
1233	12.85	6.76	-61	.656	211	1.83			
1236	12.95	6.77	-62	.645	156	1.60			
1239	12.96	6.78	-61	.642	148	1.87			
1242	12.94	6.78	-62	.637	117	1.59			
1245	12.28	6.79	-61	.643	113	1.36			
1248	11.94	6.80	-61	.643	141	1.28			
1251	12.10	6.80	-61	.636	88.7	1.24			

Total Quantity of Water Removed (gal):		Sampling Time:	1303
Samplers:	EF, HY	Split Sample With:	N/A
Sampling Date:	04/06/2022	Sample Type:	GB

COMMENTS AND OBSERVATIONS: [PID: 13.20 ppm]

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-175 Cont.	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: Cloudy 60°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: TOC
Stick Up/Down (ft): Stick up	Gauge Time: ~~1320~~ (EP) 1420	Well Diameter (in): 2 in

Purge Date: 04/06/2022	Purge Time: 1703
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.25	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 16.90	E. Well Volume (gal) C*D):	Pump Type: Peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) (mS/cm)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1254	12.20	6.80	-61	.627	68.7	1.21		.20	
1257	11.90	6.81	-61	.629	71.9	1.18			
1300	12.13	6.82	-61	.627	61.7	1.20			
1303	12.20	6.81	-62	.628	63.5	1.19			

Total Quantity of Water Removed (gal):		Sampling Time:	1303
Samplers:	EF, HY	Split Sample With:	N/A
Sampling Date:	04/06/2022	Sample Type:	GW

COMMENTS AND OBSERVATIONS: pump flow rate reduced to lowest speed.
All parameters stable with the exception of turbidity

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-117 I	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Land Fill	Well Condition: Good. No lock	Weather: 57°F Clear
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: 1421	Well Diameter (in): 2 in

Purge Date: 04/05/22	Purge Time: 1130
Purge Method: Low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 37.35	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.05	E. Well Volume (gal) C*D):	Pump Type: Grundfos
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity mS/cm ~~(S/m)~~	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1130	10.71	10.94	-72	1.48	113	4.91		0.35	
1133	10.86	11.01	-76	1.64	126	5.12			
1136	11.02	11.01	-84	1.19	320	5.83			
1139	10.67	10.87	-77	1.08	306	6.21			
1142	10.49	10.85	-73	1.00	91.4	6.33			
1145	10.46	10.83	-66	0.930	42.8	6.47			
1148	10.53	10.82	-61	0.836	40.9	6.62			
1151	10.55	10.82	-58	0.764	49.8	6.73			
1154	10.59	10.90	-53	0.670	50.2	6.90			
1157	10.62	10.93	-40	0.510	50.8	6.60			
1200	11.08	11.13	-40	0.492	53.8	6.79			
1203	13.13	11.44	-37	0.460	55.0	6.19			
1206	13.16	11.33	-35	0.443	49.2	6.12			
1209	11.25	11.68	~~-42~~ -39	0.433	47.9	6.69			
1212	11.24	11.32	-36	0.407	46.4	6.60			
1215	11.26	11.15	-33	0.403	46.8	6.81			

Total Quantity of Water Removed (gal):		Sampling Time:	1215
Samplers:	EF, HY	Split Sample With:	None
Sampling Date:	4/5/22	Sample Type:	Grab

COMMENTS AND OBSERVATIONS: Water slightly cloudy, contains little white flakes. No odor

PID: 0.2ppm

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-117D	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: Good. Missing Locks	Weather: 61°F Sunny
Sounding Method:	Gauge Date: 04/06/22	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: 1424	Well Diameter (in): 2 in

Purge Date: 04/05/22	Purge Time: 1250
Purge Method: Low Flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 75.74	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.54	E. Well Volume (gal) C*D):	Pump Type: Grundfos
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1250	10.62	11.86	-62	0.798	762	3.17		0.28	
1253	10.41	11.77	-65	0.762	800	3.11			
1256	10.74	11.88	-69	0.721	288	2.57			
1259	10.19	12.55	-71	0.533	EB <0.100	2.27			
* 1303	10.16	12.48	-70	0.303	527	2.05			
1306	10.13	12.20	-68	0.292	409	2.05			
1309	10.52	12.03	-63	0.300	287	2.06			
1312	10.33	11.91	-63	0.265	260	1.97			
1315	10.31	11.85	-62	0.248	248	1.93			
1318	10.15	11.78	-61	0.229	240	1.88			
1321	10.19	11.72	-58	0.223	222	1.84			
1324	10.24	11.64	-57	0.210	210	1.75			
1327	10.23	11.58	-55	0.210	206	1.73			
1330	10.21	11.28	-52	0.166	199	1.60			
1333	10.36	10.89	-43	0.137	175	1.45			
1336	10.38	10.01	-2	0.128	116	1.23			
1339	10.45	EB ~~10.~~ 9.88	8	0.130	97.5	1.17			

Total Quantity of Water Removed (gal):		Sampling Time:	1351
Samplers:	EF, HY	Split Sample With:	None
Sampling Date:	04/05/22	Sample Type:	Grab

COMMENTS AND OBSERVATIONS: Turbidity high. Cloudy and light brown in color.
*Took apart flow cell @ 1300, let clean out. Resume purging @ 1303. Sediment is fine white flakes. High turbidity @ sample PID: 0.1ppm

1342	~~10.~~55	9.72	18	0.135	76.5	1.09
1345	10.58	9.59	27	0.141	60.3	1.05
1348	10.61	9.57	31	0.142	54.1	0.99
1351	10.57	9.54	33	0.144	45.4	0.98

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-102	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: Missing cap, Pushed Liner	Weather: 64° Partly Cloudy
Sounding Method:	Gauge Date: 04/06/22	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: 1427	Well Diameter (in): 2 in

Purge Date: 04/05/22	Purge Time: 1521
Purge Method: Low Flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 31.66	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 3.51	E. Well Volume (gal) C*D):	Pump Type: Grundfos
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1521	10.02	9.27	57	0.278	71.3	2.82		0.35	
1524	10.08	9.18	61	0.276	58.6	1.46			
1527	10.12	8.95	61	0.273	45.6	0.94			
1530	10.29	8.85	70	0.273	19.6	0.74			
1533	10.32	8.80	72	0.272	7.0	0.69			
1536	10.42	8.70	74	0.271	0.0	0.65			
1539	10.43	8.63	75	0.271	0.0	0.64			
1542	10.44	8.60	76	0.271	0.0	0.64			

Total Quantity of Water Removed (gal):		Sampling Time:	1542
Samplers:	EF, HY	Split Sample With:	None
Sampling Date:	04/07/22	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

PID: 0.0 ppm

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-102S	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: PVC bushole, no lock	Weather: 65°F Partly cloudy
Sounding Method:	Gauge Date: 04/06/22	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: ~~1412~~ (EF) 1427	Well Diameter (in): 2 in

Purge Date: 04/05/22	Purge Time: ~~1632~~ (EF) 1630
Purge Method: Low Flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 45.12	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 4.29	E. Well Volume (gal) C*D):	Pump Type: Grundfos
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1632	10.99	8.70	68	0.235	352	1.57			
1635	11.01	8.67	55	0.233	340	1.51		0.32	
1638	11.04	8.61	40	0.237	307	1.46			
1641	10.91	8.55	22	0.233	225	1.32			
1644	10.84	8.52	14	0.233	160	1.30			
1647	11.02	8.46	6	0.233	115	1.21			
1650	11.04	8.45	4	0.233	108	1.20			
1653	10.93	8.42	-5	0.233	76.3	1.13			
1656	10.95	8.40	-9	0.233	62.1	1.11			
1659	~~(EF) 10~~ 11.01	8.37	-13	0.232	41.6	1.04			
1702	10.97	8.35	-14	0.233	33.6	1.04			
1705	10.99	8.32	-16	0.233	23.0	1.00			
1708	11.00	8.28	-18	0.233	16.4	0.99			
1711	10.98	8.28	-21	0.232	15.7	0.95			
1714	10.97	8.25	-24	0.233	9.3	0.91			
1717	10.91	8.22	-25	0.232	4.5	0.89			
1720	10.95	8.24	-27	0.232	0.1	0.87			

Total Quantity of Water Removed (gal): _____
Samplers: EF, HY
Sampling Date: 04/05/22

Sampling Time: 1720
Split Sample With: None
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

PFAS: 0.ppb

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-109S	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: Good	Weather: 52°F Cloudy
Sounding Method:	Gauge Date: 04/06/22	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: 1429	Well Diameter (in): 2 in

Purge Date: 04/06/22	Purge Time: 0841
Purge Method: Peri. pump low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.85	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 5.90	E. Well Volume (gal) C*D):	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0842	8.92	5.98	201	0.540	108	15.69		0.28	
0845	8.28	6.06	201	0.520	96.0	8.61			
0848	7.97	6.14	196	0.509	62.9	5.85			
0851	7.88	6.22	191	0.503	48.7	4.24			
0854	7.87	6.29	185	0.500	41.2	3.07			
0857	7.87	6.32	183	0.500	39.0	2.82			
0900	7.80	6.49	173	0.503	35.7	2.50			
0903	7.79	6.49	173	0.501	25.4	2.37			
0906	7.80	6.51	172	0.500	16.3	2.17			
0909	7.84	6.51	171	0.499	9.8	2.04			
0912	7.90	6.52	170	0.499	9.2	1.95			
0915	7.93	6.52	164	0.499	8.4	1.94			

Total Quantity of Water Removed (gal):		Sampling Time:	0915
Samplers:	EF, HY	Split Sample With:	None
Sampling Date:	04/06/22	Sample Type:	Grab

COMMENTS AND OBSERVATIONS: Fine black sediment in suspension

PID: 0.1ppm

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-109I	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: Broken hinge, bent PVC	Weather: 55°F Cloudy
Sounding Method:	Gauge Date: 04/06/22	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: 1430	Well Diameter (in): 2 in

Purge Date: 04/06/22	Purge Time: 0951
Purge Method: Peri low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 47.54	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 4.48	E. Well Volume (gal) C*D):	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0953	9.28	6.72	160	0.430	47.4	3.42		0.26	
0956	9.05	6.69	162	0.456	35.1	2.12			
0959	9.04	6.66	162	0.459	31.4	1.94			
1002	9.06	6.65	162	0.459	30.4	1.94			
1005	9.07	6.60	161	0.457	31.1	1.94			
1008	9.11	6.61	161	0.457	30.6	1.96			
1011	9.14	6.60	160	0.456	29.2	1.98			
1014	9.14	6.60	159	0.454	26.4	2.01			

Total Quantity of Water Removed (gal): _____
Samplers: EF, HY
Sampling Date: 04/06/22

Sampling Time: 1014
Split Sample With: None
Sample Type: Grab

COMMENTS AND OBSERVATIONS: Top PVC pipe bent. Unable to get groundfos down. Switched to peri pump instead.

PID: 00

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-109D	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: Good	Weather: 57°F Cloudy
Sounding Method:	Gauge Date: 04/06/22	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time: 1431	Well Diameter (in): 2 in

Purge Date: 04/06/22	Purge Time: 1047
Purge Method: Low Flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 77.91	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 4.40	E. Well Volume (gal) C*D):	Pump Type: Grundfos
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1048	10.14	6.50	154	0.400	30.8	2.09		0.38	
1051	9.86	6.49	153	0.419	312	1.79			
1054	9.60	6.47	151	0.419	739	1.55			
1057	9.61	6.45	153	0.422	620	1.31			
1100	9.73	6.43	123	0.422	526	1.17			
1103	9.72	6.44	120	0.423	500	1.13			
1106	9.75	6.45	114	0.423	460	1.05			
1109	9.80	6.46	106	0.424	394	0.92			
1112	9.84	6.46	100	0.424	348	0.87			
1115	9.90	6.46	92	0.424	294	0.81			
1118	9.98	6.46	88	0.423	267	0.80			
1121	10.82	6.47	82	0.415	240	0.84			
1124	11.04	6.49	72	0.413	210	0.80			
1127	11.13	6.49	65	0.412	196	0.82			
1130	11.22	6.49	59	0.411	178	0.84			
1133	11.62	6.49	51	0.411	161	0.80			
1136	11.93	6.51	50	0.409	148	0.80			
1139	11.56	6.51	40	0.407	119	0.84			
1142	11.72	6.51	32	0.408	116	0.88			
1145	11.65	6.51	28	0.408	103	0.86			
1148	11.66	6.51	24	0.408	94.8	0.85			

Total Quantity of Water Removed (gal):		Sampling Time:	1148
Samplers:	EF, HY	Split Sample With:	MS/MSD
Sampling Date:	04/06/22	Sample Type:	Grab

COMMENTS AND OBSERVATIONS: Water slightly cloudy, has a faint brownish tint. After ~45min, lowered purge rate in an attempt to lower turbid. Hy. No change. Sampled after 1 hour. Turbid. PID 0.0 ppm

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1145	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: sunny 63°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: Toc
Stick Up/Down (ft): Stick Up	Gauge Time: ~~1007~~ EF 1436	Well Diameter (in): 2 in

Purge Date: 04/05/2022	Purge Time: 1518
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.40	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 9.69	E. Well Volume (gal) C*D):	Pump Type: Peri Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (~~S/m~~ mS/cm)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1518	12.69	7.56	-29	.232	1000	1.04		.25	
1521	11.34	7.54	-53	.239	1000	0.93			
1524	11.36	7.53	-57	.239	1000	0.88			
1527	10.82	7.52	-58	.241	1000	0.86			
1530	10.72	7.51	-57	.242	1000	0.84			
1533	10.38	7.51	-57	.243	1000	0.84			
1536	10.31	7.51	-59	.244	1000	0.83			
1539	10.42	7.50	-59	.244	1000	0.82			
1542	10.34	7.50	-60	.244	1000	0.83			

Total Quantity of Water Removed (gal): _____
Samplers: EF, HY
Sampling Date: 04/05/2022

Sampling Time: 1542
Split Sample With: N/A
Sample Type: GR

COMMENTS AND OBSERVATIONS:
Pump flow rate decreased, NTU not stable for remainder of purging. All other parameters stable. PID: 0.0ppm

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-115S	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: sunny 62°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: Toc
Stick Up/Down (ft): stick up	Gauge Time: ~~1450~~ 1438	Well Diameter (in): 2 in

Purge Date: 04/05/2022	Purge Time: 1355
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.80	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.31	E. Well Volume (gal) C*D):	Pump Type: peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (~~S/m~~ mS/cm)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1355	11.40	7.14	-127	.520	5.10	3.40		.75	
1358	11.27	7.14	-129	.522	2.30	1.92			
1401	11.04	7.13	-130	.523	3.40	1.51			
1404	10.83	7.13	-131	.523	3.90	1.31			
1407	11.20	7.14	-133	.524	3.80	1.16			
1410	11.02	7.13	-133	.524	2.40	1.11			
1413	10.93	7.13	-134	.524	2.70	1.06			
1416	10.92	7.14	-135	.525	1.80	1.01			
1419	10.95	7.13	-130	.520	1.50	1.01			
1422	11.24	7.12	-121	.525	1.20	1.00			
1425	10.86	7.12	-123	.529	1.76	0.99			
1428	10.27	7.18	-125	.528	2.10	0.97			
1431	10.30	7.16	-126	.528	3.00	0.91			
1434	10.35	7.15	-128	.528	3.29	0.89			
1437	10.10	7.15	-127	.529	3.00	0.89			

Total Quantity of Water Removed (gal): _____
Samplers: EF, HY
Sampling Date: 04/05/2022

Sampling Time: 1437
Split Sample With: N/A
Sample Type: GR

COMMENTS AND OBSERVATIONS: PID: 0.0 ppm

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1135	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: Sunny 64°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: TOC
Stick Up/Down (ft): Stick up	Gauge Time: ~~1440~~ EF 1436	Well Diameter (in): 2 in

Purge Date: 04/05/2022	Purge Time: 1635
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.50	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 5.81	E. Well Volume (gal) C*D):	Pump Type: peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1635	11.75	7.12	-86	.545	1000	9.02		.25	
1638	11.36	7.09	-93	.549	769	2.01		↓	
1641	11.41	7.07	-96	.549	758	1.54			
1644	10.74	7.06	-98	.551	717	1.34			
1647	10.68	7.06	-99	.550	643	1.20			
1650	10.67	7.06	-100	.550	582	1.13			
1653	10.56	7.06	-101	.550	520	1.08			
1656	10.07	7.06	-101	.551	236	1.04			
1659	10.08	7.06	-101	.551	176	0.99			
1702	10.00	7.06	-101	.551	158	0.97			
1705	9.89	7.06	-101	.551	171	0.93			
1708	10.02	7.06	-102	.555	116	0.91			
1711	9.89	7.03	-101	.568	110	0.90			
1714	9.91	7.02	-100	.569	130	0.88			
1717	9.94	7.05	-100	.568	105	0.93			
1720	10.07	7.01	-99	.570	120	0.88			
1723	10.05	7.01	-98	.570	105	0.88			

Total Quantity of Water Removed (gal):		Sampling Time:	1723
Samplers:	EF, HY	Split Sample With:	N/A
Sampling Date:	04/05/2022	Sample Type:	GW

COMMENTS AND OBSERVATIONS: pump flow decreased, all parameters stable with the exception of NTU. PID: 0 ppm

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-101	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: no plug	Weather: Sunny 57°
Sounding Method:	Gauge Date: 4/6/22	Measurement Ref: TOC
Stick Up/Down (ft): stick up	Gauge Time: ~~1830~~ (EF) 1440	Well Diameter (in): 2 in

Purge Date: 4/5/22	Purge Time: 1135
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 17.80	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 5.48	E. Well Volume (gal) C*D):	Pump Type: Pen Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity ~~(S/m)~~ mS/cm	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1135	9.70	6.27	10	.544	98.7	7.29	~~7.0~~	.20	
1138	9.22	6.44	-26	.539	63.5	1.82		.20	
1141	9.18	6.48	-32	.539	47.1	1.55		↓	
1144	9.10	6.53	-42	.535	33.8	1.33			
1147	9.04	6.55	-48	.534	30.2	1.25			
1150	8.83	6.56	-49	.532	30.0	1.21			
1153	8.90	6.57	-52	.532	26.4	1.18			
1156	8.77	6.59	-53	.534	23.9	1.15			
1159	8.76	6.59	-52	.533	20.6	1.11			
1202	8.74	6.60	-54	.531	18.7	1.08			
1205	8.62	6.61	-55	.532	17.1	1.06			
1208	8.55	6.66	-53	.534	15.4	1.09			
1211	8.80	6.54	-20	.527	17.0	1.38			
1214	8.57	6.58	-33	.529	15.7	1.19			
1217	8.43	6.59	-39	.528	12.3	1.11			
1220	8.62	6.59	-43	.531	12.3	1.05			
1223	8.96	6.62	-46	.528	9.70	4.66			

Total Quantity of Water Removed (gal):		Sampling Time:	1311
Samplers:	EF, HY	Split Sample With:	N/A
Sampling Date:	4/5/22	Sample Type:	GB

COMMENTS AND OBSERVATIONS: PID: 0.1ppm

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-101 Cont.	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: no plug	Weather: Sunny 57°
Sounding Method:	Gauge Date: 4/6/2022	Measurement Ref: TOC
Stick Up/Down (ft): Stick up	Gauge Time: ~~1330~~ EF	Well Diameter (in): 2 in

Purge Date: 4/5/2022	Purge Time: 1135
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 17.80	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 5.48	E. Well Volume (gal) C*D):	Pump Type: Peri Pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) mS/cm	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1226	9.13	6.62	-47	.531	10.0	4.20		.20	
1229	8.99	6.62	-47	.530	10.6	3.92			
1232	8.73	6.63	-49	.530	9.50	3.56			
1235	8.88	6.64	-52	.529	5.4	3.10			
1238	8.78	6.63	-51	.531	5.2	2.92			
1241	9.03	6.65	-52	.528	6.2	2.59			
1244	8.65	6.65	-52	.527	5.8	2.49			
1247	9.04	6.65	-52	.527	4.8	2.29			
1250	8.88	6.65	-52	.529	4.4	2.20			
1253	8.73	6.65	-53	.528	4.1	2.07			
1256	8.86	6.65	-52	.529	4.3	2.04			
1259	8.89	6.65	-51	.529	4.4	1.86			
1302	8.81	6.66	-51	.528	3.0	1.83			
1305	9.04	6.66	-51	.526	3.4	1.75			
1308	9.04	6.64	-50	.528	3.3	1.70			
1311	9.03	6.66	-51	.527	2.3	1.68			

Total Quantity of Water Removed (gal):		Sampling Time:	1311
Samplers:	EF, HY	Split Sample With:	N/A
Sampling Date:	4/5/2022	Sample Type:	GW

COMMENTS AND OBSERVATIONS: PID: 0.10 ppm

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-116S	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: mostly cloudy 48°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: TOC
Stick Up/Down (ft): stick up	Gauge Time: ~~0945~~ (ED) 1440	Well Diameter (in): 2 in

Purge Date: 04/06/2022	Purge Time: 0819
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.40	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 6.80	E. Well Volume (gal) C*D):	Pump Type: peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) mS/cm	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0819	11.05	5.97	51	.631	1000	1.87		.25	
0822	10.88	6.26	44	.614	1000	1.62			
0825	10.78	6.36	-14	.612	1000	1.58			
0828	10.33	6.45	-23	.607	823	1.56			
0831	10.07	6.49	-27	.605	779	1.53			
0834	9.88	6.54	-30	.601	735	1.52			
0837	9.71	6.50	-29	.603	682	1.50			
0840	9.58	6.50	-30	.606	628	1.48			
0843	9.59	6.54	-32	.608	468	1.46			
0846	9.25	6.58	-34	.618	446	1.48			
0849	8.80	6.78	-34	.628	421	1.50			
0852	8.94	6.66	-35	.627	308	1.46			
0855	8.84	6.65	-36	.631	264	1.43			
0858	8.84	6.65	-37	.632	243	1.41			
0901	8.88	6.66	-38	.633	214	1.40			
0904	8.90	6.65	-38	.635	196	1.37			
0907	9.09	6.66	-38	.634	187	1.35			

Total Quantity of Water Removed (gal): _____ Sampling Time: 0919
Samplers: EF, HY Split Sample With: DUP
Sampling Date: 04/06/2022 Sample Type: GW

COMMENTS AND OBSERVATIONS: Pump flow rate decreased, [PID: 0.0 ppm]
All parameters stable except NTU. after an hour of purging.

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-116S Cont.	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: mostly cloudy 48°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref:
Stick Up/Down (ft): Stick up	Gauge Time: 1440	Well Diameter (in): 2 in

Purge Date: 04/06/2022	Purge Time: 0819
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type: peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) mS/m	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0910	9.04	6.606	-38	.637	185	1.35		.20	
0913	9.09	6.609	-40	.638	177	1.33			
0916	9.09	6.608	-40	.640	171	1.33			
0919	9.09	6.609	-40	.641	167	1.32			

Total Quantity of Water Removed (gal):		Sampling Time:	0919
Samplers:	EF, HY	Split Sample With:	DUP
Sampling Date:	04/06/2022	Sample Type:	GW

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1185	EA Personnel: EF, HY	Client: NYSDEC
Location: Carroll Landfill	Well Condition: good	Weather: Mostly Cloudy 53°
Sounding Method:	Gauge Date: 04/06/2022	Measurement Ref: TOC
Stick Up/Down (ft): Stick up	Gauge Time: ~~1420~~ (EF) 1434	Well Diameter (in): 2 in

Purge Date: 04/06/2022	Purge Time: 1014
Purge Method: low flow	Field Technician: EF, HY

Well Volume

A. Well Depth (ft): 22.33	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft): 9.81	E. Well Volume (gal) C*D):	Pump Type: Peri pump
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m) mS/cm	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1014	10.76	7.24	86	~~0.259~~	1000	11.63		.25	
1017	10.35	7.47	21	.258	1000	3.01			
1020	10.30	7.53	-6	.258	785	2.32			
1023	10.21	7.57	-23	.258	417	1.91			
1026	10.38	7.59	-36	.257	218	1.72		↓	
1029	10.51	7.60	~~-44~~	.256	146	1.66			
1032	10.69	7.62	-52	.256	120	1.60			
1035	10.85	7.64	-59	.255	102	1.52			
1038	10.89	7.64	-61	.254	92.7	1.50		.20	
1041	10.95	7.65	-64	.253	83.9	1.46			
1044	11.01	7.65	-66	.254	72.3	1.43			
1047	11.09	7.66	-68	.254	64.4	1.41			
1050	11.18	7.68	-70	.254	58.1	1.39			
1053	11.22	7.68	-70	.254	47.1	1.39			
1056	10.97	7.69	-70	.256	43.2	1.39		↓	
1059	10.90	7.69	-71	.254	40.1	1.38			

Total Quantity of Water Removed (gal): _____
Samplers: EF, HY
Sampling Date: 04/06/2022

Sampling Time: 1059
Split Sample With: N/A
Sample Type: GB

COMMENTS AND OBSERVATIONS: [PID: 0.0ppm]
Pump flow rate reduced to lowest speed. All parameters stable with the exception of turbidity.

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Appendix F

Laboratory Analytical Report

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Data Package



ANALYTICAL. LIFE. SERVICE.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 21, 2022

Hilary Williams
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Carroll, NY
Client Job Number:
Project Number: 90717
Laboratory Work Order Number: 22D0541

Enclosed are results of analyses for samples as received by the laboratory on April 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Hilary Williams

REPORT DATE: 4/21/2022

PURCHASE ORDER NUMBER: SMPC0001

PROJECT NUMBER: 90717

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22D0541

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Carroll, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
907017-MW-116S	22D0541-01	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-109S	22D0541-02	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-113S	22D0541-03	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-DUP-04062022	22D0541-04	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-101	22D0541-05	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-117S	22D0541-06	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-118S	22D0541-07	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-114S	22D0541-08	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-115S	22D0541-09	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-102I	22D0541-10	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Hilary Williams

REPORT DATE: 4/21/2022

PURCHASE ORDER NUMBER: SMPC0001

PROJECT NUMBER: 90717

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22D0541

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Carroll, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
907017-MW-102S	22D0541-11	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-117D	22D0541-12	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-117I	22D0541-13	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-109I	22D0541-14	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-MW-109D	22D0541-15	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-RB-04052022	22D0541-16	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-FB-04052022	22D0541-17	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-RB-04062022	22D0541-18	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
907017-FB-04062022	22D0541-19	Ground Water		SW-846 6010D	
				SW-846 7470A	
				SW-846 8260D	
				SW-846 8270E	
Trip Blank	22D0541-20	Ground Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 6010D

Qualifications:

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Aluminum

22D0541-15[907017-MW-109D], B305681-MS1, B305681-MSD1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Calcium

22D0541-15[907017-MW-109D], B305681-MS1, B305681-MSD1

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B305454-BS1, B305454-BSD1, S070273-CCV1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Chloromethane

B305454-MS1, B305454-MSD1

MS-15

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B305454-MS1, B305454-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Methyl Acetate

B305454-MSD1

PR-08

pH of sample (pH 5) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

22D0541-20[Trip Blank]

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], 22D0541-20[Trip Blank], B305454-BLK1, B305454-BS1, B305454-BSD1, S070273-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromochloromethane
B305454-BS1, B305454-BSD1, S070273-CCV1

Bromoform
B305454-BS1, B305454-BSD1, S070273-CCV1

Bromomethane
B305454-BS1, B305454-BSD1, S070273-CCV1

Tetrachloroethylene
B305454-BS1, B305454-BSD1, S070273-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane
22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], 22D0541-20[Trip Blank], B305454-BLK1, B305454-BS1, B305454-BSD1, S070273-CCV1

Chloromethane
22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], 22D0541-20[Trip Blank], B305454-BLK1, B305454-BS1, B305454-BSD1, S070273-CCV1

SW-846 8270E

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Benzidine
B305646-BS1, B305646-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Benzoic Acid
22D0541-15[907017-MW-109D], B305646-MS1, B305646-MSD1

N-Nitrosodimethylamine
22D0541-15[907017-MW-109D], B305646-MS1, B305646-MSD1

Phenol
22D0541-15[907017-MW-109D], B305646-MS1, B305646-MSD1

Pyridine
22D0541-15[907017-MW-109D], B305646-MS1, B305646-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Benzidine
22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], B305535-BLK1, B305535-BS1, B305535-BSD1

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V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], B305535-BLK1, B305535-BS1, B305535-BSD1, B305646-BLK1, B305646-BS1, B305646-BSD1, B305646-MS1, B305646-MSD1, S070357-CCV1, S070384-CCV1, S070405-CCV1, S070424-CCV1, S070490-CCV1, S070527-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Aniline

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], B305535-BLK1, B305535-BS1, B305535-BSD1, B305646-BLK1, B305646-BS1, B305646-BSD1, B305646-MS1, B305646-MSD1, S070357-CCV1, S070384-CCV1, S070405-CCV1, S070424-CCV1, S070527-CCV1

Benzidine

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], B305535-BLK1, B305535-BS1, B305535-BSD1, B305646-BLK1, B305646-BS1, B305646-BSD1, B305646-MS1, B305646-MSD1, S070357-CCV1, S070384-CCV1, S070405-CCV1, S070424-CCV1, S070490-CCV1, S070527-CCV1

Bis(2-chloroethyl)ether

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], B305535-BS1, S070424-CCV1

Bis(2-chloroisopropyl)ether

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], B305535-BS1, B305646-MS1, B305646-MSD1, S070357-CCV1, S070424-CCV1, S070527-CCV1

Hexachlorocyclopentadiene

22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], S070490-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Dibenz(a,h)anthracene

22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], S070490-CCV1

Dibenzofuran

22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], S070490-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine

22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], S070490-CCV1

4-Chloroaniline

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], B305535-BLK1, B305535-BS1, B305535-BSD1, B305646-BLK1, B305646-BS1, B305646-BSD1, B305646-MS1, B305646-MSD1, S070357-CCV1, S070384-CCV1, S070405-CCV1, S070424-CCV1, S070490-CCV1, S070527-CCV1

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V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine

22D0541-01[907017-MW-116S], 22D0541-02[907017-MW-109S], 22D0541-03[907017-MW-113S], 22D0541-04[907017-DUP-04062022], 22D0541-05[907017-MW-101], 22D0541-06[907017-MW-117S], 22D0541-07[907017-MW-118S], 22D0541-08[907017-MW-114S], 22D0541-09[907017-MW-115S], 22D0541-10[907017-MW-102I], 22D0541-11[907017-MW-102S], 22D0541-12[907017-MW-117D], 22D0541-13[907017-MW-117I], 22D0541-14[907017-MW-109I], 22D0541-15[907017-MW-109D], 22D0541-16[907017-RB-04052022], 22D0541-17[907017-FB-04052022], 22D0541-18[907017-RB-04062022], 22D0541-19[907017-FB-04062022], B305535-BLK1, B305535-BS1, B305535-BSD1, B305646-BLK1, B305646-BS1, B305646-BSD1, B305646-MS1, B305646-MSD1, S070357-CCV1, S070384-CCV1, S070405-CCV1, S070424-CCV1, S070490-CCV1, S070527-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory
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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-116S | Sampled: 4/6/2022 09:19

Sample ID: 22D0541-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.4	50	2.0	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 14:15	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 14:15	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-116S | Sampled: 4/6/2022 09:19

Sample ID: 22D0541-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:15	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.7	70-130		4/11/22 14:15
Toluene-d8	94.4	70-130		4/11/22 14:15
4-Bromofluorobenzene	98.4	70-130		4/11/22 14:15

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-116S | Sampled: 4/6/2022 09:19

Sample ID: 22D0541-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Aniline	ND	4.9	0.68	µg/L	1	V-05	SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1	V-05	SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1	V-05	SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-116S | Sampled: 4/6/2022 09:19

Sample ID: 22D0541-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.1	15-110		4/15/22 16:03
Phenol-d6	26.7	15-110		4/15/22 16:03
Nitrobenzene-d5	61.0	30-130		4/15/22 16:03
2-Fluorobiphenyl	66.8	30-130		4/15/22 16:03
2,4,6-Tribromophenol	80.3	15-110		4/15/22 16:03
p-Terphenyl-d14	76.8	30-130		4/15/22 16:03

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-116S | Sampled: 4/6/2022 09:19

Sample ID: 22D0541-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.26	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Barium	0.15	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Calcium	130	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Iron	11	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Magnesium	30	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 17:52	MJH
Manganese	1.3	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:14	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Potassium	1.3	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Sodium	6.8	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:03	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109S | Sampled: 4/6/2022 09:15

Sample ID: 22D0541-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 14:41	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 14:41	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109S | Sampled: 4/6/2022 09:15

Sample ID: 22D0541-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 14:41	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.0	70-130		4/11/22 14:41
Toluene-d8	93.8	70-130		4/11/22 14:41
4-Bromofluorobenzene	97.8	70-130		4/11/22 14:41

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109S | Sampled: 4/6/2022 09:15

Sample ID: 22D0541-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzidine	ND	19	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1	V-05	SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109S | Sampled: 4/6/2022 09:15

Sample ID: 22D0541-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/13/22	4/15/22 16:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	27.6	15-110		4/15/22 16:30
Phenol-d6	18.4	15-110		4/15/22 16:30
Nitrobenzene-d5	62.6	30-130		4/15/22 16:30
2-Fluorobiphenyl	69.3	30-130		4/15/22 16:30
2,4,6-Tribromophenol	78.5	15-110		4/15/22 16:30
p-Terphenyl-d14	75.4	30-130		4/15/22 16:30

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109S | Sampled: 4/6/2022 09:15

Sample ID: 22D0541-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.093	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Barium	0.25	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Calcium	68	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Iron	0.52	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Magnesium	14	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Manganese	2.1	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:16	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Potassium	0.91	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Sodium	7.7	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:09	MJH
Zinc	0.0062	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:09	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-113S | Sampled: 4/5/2022 17:23

Sample ID: 22D0541-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 15:07	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 15:07	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Diethyl Ether	0.31	2.0	0.18	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 15:07	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-113S | Sampled: 4/5/2022 17:23

Sample ID: 22D0541-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:07	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.7	70-130		4/11/22 15:07
Toluene-d8	94.1	70-130		4/11/22 15:07
4-Bromofluorobenzene	97.1	70-130		4/11/22 15:07

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-113S | Sampled: 4/5/2022 17:23

Sample ID: 22D0541-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-113S | Sampled: 4/5/2022 17:23

Sample ID: 22D0541-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	42.2	15-110		4/13/22 20:01
Phenol-d6	29.6	15-110		4/13/22 20:01
Nitrobenzene-d5	74.7	30-130		4/13/22 20:01
2-Fluorobiphenyl	77.5	30-130		4/13/22 20:01
2,4,6-Tribromophenol	87.8	15-110		4/13/22 20:01
p-Terphenyl-d14	85.0	30-130		4/13/22 20:01

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-113S | Sampled: 4/5/2022 17:23

Sample ID: 22D0541-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.042	0.050	0.015	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Arsenic	0.056	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Barium	0.47	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Calcium	100	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Iron	6.2	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Magnesium	31	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 17:57	MJH
Manganese	0.42	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:18	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Potassium	1.8	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Sodium	21	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:15	MJH
Zinc	0.0053	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:15	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-DUP-04062022 | Sampled: 4/6/2022 00:00

Sample ID: 22D0541-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	2.0	50	2.0	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 15:34	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 15:34	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-DUP-04062022 | Sampled: 4/6/2022 00:00

Sample ID: 22D0541-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 15:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		4/11/22 15:34
Toluene-d8	95.2	70-130		4/11/22 15:34
4-Bromofluorobenzene	97.7	70-130		4/11/22 15:34

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-DUP-04062022 | Sampled: 4/6/2022 00:00

Sample ID: 22D0541-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-DUP-04062022 | Sampled: 4/6/2022 00:00

Sample ID: 22D0541-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:26	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	41.0	15-110		4/13/22 20:26
Phenol-d6	28.3	15-110		4/13/22 20:26
Nitrobenzene-d5	71.9	30-130		4/13/22 20:26
2-Fluorobiphenyl	73.1	30-130		4/13/22 20:26
2,4,6-Tribromophenol	87.2	15-110		4/13/22 20:26
p-Terphenyl-d14	78.9	30-130		4/13/22 20:26

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-DUP-04062022 | Sampled: 4/6/2022 00:00

Sample ID: 22D0541-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.13	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Barium	0.15	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Calcium	110	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Iron	17	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Magnesium	30	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 18:03	MJH
Manganese	1.1	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:26	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Potassium	0.94	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Sodium	5.5	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:22	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-101 | Sampled: 4/5/2022 13:11

Sample ID: 22D0541-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 16:00	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 16:00	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-101 | Sampled: 4/5/2022 13:11

Sample ID: 22D0541-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		4/11/22 16:00
Toluene-d8	95.0	70-130		4/11/22 16:00
4-Bromofluorobenzene	96.6	70-130		4/11/22 16:00

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-101 | Sampled: 4/5/2022 13:11

Sample ID: 22D0541-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-101 | Sampled: 4/5/2022 13:11

Sample ID: 22D0541-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/12/22	4/13/22 20:50	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.5	15-110		4/13/22 20:50
Phenol-d6	25.3	15-110		4/13/22 20:50
Nitrobenzene-d5	62.5	30-130		4/13/22 20:50
2-Fluorobiphenyl	69.4	30-130		4/13/22 20:50
2,4,6-Tribromophenol	78.8	15-110		4/13/22 20:50
p-Terphenyl-d14	77.0	30-130		4/13/22 20:50

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-101 | Sampled: 4/5/2022 13:11

Sample ID: 22D0541-05

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Arsenic	0.0053	0.010	0.0047	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Barium	0.65	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Calcium	96	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Iron	1.5	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Magnesium	26	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 18:08	MJH
Manganese	1.8	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:27	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Potassium	0.63	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Sodium	5.6	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:28	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117S | Sampled: 4/6/2022 13:03

Sample ID: 22D0541-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 16:26	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 16:26	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117S | Sampled: 4/6/2022 13:03

Sample ID: 22D0541-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:26	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.5	70-130		4/11/22 16:26
Toluene-d8	94.6	70-130		4/11/22 16:26
4-Bromofluorobenzene	96.0	70-130		4/11/22 16:26

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117S | Sampled: 4/6/2022 13:03

Sample ID: 22D0541-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Acenaphthylene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Acetophenone	ND	9.5	0.51	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Aniline	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzidine	ND	19	9.9	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzo(a)pyrene	ND	4.8	0.54	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzo(g,h,i)perylene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Benzoic Acid	ND	9.5	8.0	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Bis(2-chloroethoxy)methane	ND	9.5	0.43	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Bis(2-chloroethyl)ether	ND	9.5	0.54	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	0.66	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.5	0.80	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4-Bromophenylphenylether	ND	9.5	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Butylbenzylphthalate	ND	9.5	0.64	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Carbazole	ND	9.5	0.41	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4-Chloroaniline	ND	9.5	0.55	µg/L	1	V-34	SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4-Chloro-3-methylphenol	ND	9.5	0.53	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2-Chloronaphthalene	ND	9.5	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2-Chlorophenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4-Chlorophenylphenylether	ND	9.5	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1	V-06	SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Dibenzofuran	ND	4.8	0.46	µg/L	1	V-06	SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Di-n-butylphthalate	ND	9.5	0.44	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1,2-Dichlorobenzene	ND	4.8	0.63	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1,3-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
3,3-Dichlorobenzidine	ND	9.5	0.68	µg/L	1	V-34	SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,4-Dichlorophenol	ND	9.5	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Diethylphthalate	ND	9.5	0.40	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,4-Dimethylphenol	ND	9.5	0.67	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Dimethylphthalate	ND	9.5	0.36	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	6.7	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,4-Dinitrophenol	ND	9.5	7.7	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,4-Dinitrotoluene	ND	9.5	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,6-Dinitrotoluene	ND	9.5	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Di-n-octylphthalate	ND	9.5	3.7	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.5	0.55	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117S | Sampled: 4/6/2022 13:03

Sample ID: 22D0541-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.5	0.48	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Hexachlorobutadiene	ND	9.5	0.74	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Hexachlorocyclopentadiene	ND	9.5	3.5	µg/L	1	V-05	SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Hexachloroethane	ND	9.5	0.70	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Isophorone	ND	9.5	0.53	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1-Methylnaphthalene	ND	4.8	0.57	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2-Methylphenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
3/4-Methylphenol	ND	9.5	0.44	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2-Nitroaniline	ND	9.5	0.66	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
3-Nitroaniline	ND	9.5	0.56	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4-Nitroaniline	ND	9.5	0.57	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Nitrobenzene	ND	9.5	0.60	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2-Nitrophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
4-Nitrophenol	ND	9.5	2.0	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
N-Nitrosodimethylamine	ND	9.5	0.75	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	0.36	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
N-Nitrosodi-n-propylamine	ND	9.5	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Pentachloronitrobenzene	ND	9.5	0.59	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Pentachlorophenol	ND	9.5	3.3	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Phenol	ND	9.5	0.22	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Pyrene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	0.62	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,4,5-Trichlorophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL
2,4,6-Trichlorophenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	4/13/22	4/16/22 11:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	46.8	15-110		4/16/22 11:52
Phenol-d6	32.7	15-110		4/16/22 11:52
Nitrobenzene-d5	70.9	30-130		4/16/22 11:52
2-Fluorobiphenyl	79.1	30-130		4/16/22 11:52
2,4,6-Tribromophenol	90.4	15-110		4/16/22 11:52
p-Terphenyl-d14	88.4	30-130		4/16/22 11:52

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117S | Sampled: 4/6/2022 13:03

Sample ID: 22D0541-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.024	0.050	0.015	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Barium	0.40	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Calcium	110	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Iron	3.8	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Magnesium	33	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 18:13	MJH
Manganese	0.23	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:34	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Potassium	1.3	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Sodium	6.4	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:34	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-118S | Sampled: 4/6/2022 10:59

Sample ID: 22D0541-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 16:53	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 16:53	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-118S | Sampled: 4/6/2022 10:59

Sample ID: 22D0541-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 16:53	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		4/11/22 16:53
Toluene-d8	94.0	70-130		4/11/22 16:53
4-Bromofluorobenzene	96.7	70-130		4/11/22 16:53

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-118S | Sampled: 4/6/2022 10:59

Sample ID: 22D0541-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Acenaphthylene	ND	4.7	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Acetophenone	ND	9.4	0.50	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Aniline	ND	4.7	0.66	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Anthracene	ND	4.7	0.43	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzidine	ND	19	9.8	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzo(a)anthracene	ND	4.7	0.38	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzo(a)pyrene	ND	4.7	0.54	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzo(b)fluoranthene	ND	4.7	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzo(g,h,i)perylene	ND	4.7	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzo(k)fluoranthene	ND	4.7	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Benzoic Acid	ND	9.4	8.0	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Bis(2-chloroethoxy)methane	ND	9.4	0.43	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Bis(2-chloroethyl)ether	ND	9.4	0.54	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	0.65	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	0.79	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4-Bromophenylphenylether	ND	9.4	0.44	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Butylbenzylphthalate	ND	9.4	0.64	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Carbazole	ND	9.4	0.40	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4-Chloroaniline	ND	9.4	0.54	µg/L	1	V-34	SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4-Chloro-3-methylphenol	ND	9.4	0.53	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2-Chloronaphthalene	ND	9.4	0.46	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2-Chlorophenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4-Chlorophenylphenylether	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Chrysene	ND	4.7	0.37	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Dibenz(a,h)anthracene	ND	4.7	0.65	µg/L	1	V-06	SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Dibenzofuran	ND	4.7	0.46	µg/L	1	V-06	SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Di-n-butylphthalate	ND	9.4	0.43	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1,2-Dichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1,3-Dichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1,4-Dichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
3,3-Dichlorobenzidine	ND	9.4	0.67	µg/L	1	V-34	SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,4-Dichlorophenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Diethylphthalate	ND	9.4	0.39	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,4-Dimethylphenol	ND	9.4	0.66	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Dimethylphthalate	ND	9.4	0.36	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	6.6	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,4-Dinitrophenol	ND	9.4	7.6	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,4-Dinitrotoluene	ND	9.4	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,6-Dinitrotoluene	ND	9.4	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Di-n-octylphthalate	ND	9.4	3.7	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.4	0.54	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Fluoranthene	ND	4.7	0.41	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Fluorene	ND	4.7	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-118S | Sampled: 4/6/2022 10:59

Sample ID: 22D0541-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.4	0.48	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Hexachlorobutadiene	ND	9.4	0.73	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Hexachlorocyclopentadiene	ND	9.4	3.5	µg/L	1	V-05	SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Hexachloroethane	ND	9.4	0.70	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Indeno(1,2,3-cd)pyrene	ND	4.7	0.70	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Isophorone	ND	9.4	0.52	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1-Methylnaphthalene	ND	4.7	0.57	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2-Methylnaphthalene	ND	4.7	0.65	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2-Methylphenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
3/4-Methylphenol	ND	9.4	0.43	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Naphthalene	ND	4.7	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2-Nitroaniline	ND	9.4	0.65	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
3-Nitroaniline	ND	9.4	0.55	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4-Nitroaniline	ND	9.4	0.56	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Nitrobenzene	ND	9.4	0.59	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2-Nitrophenol	ND	9.4	0.48	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
4-Nitrophenol	ND	9.4	2.0	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
N-Nitrosodimethylamine	ND	9.4	0.74	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.4	0.36	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
N-Nitrosodi-n-propylamine	ND	9.4	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Pentachloronitrobenzene	ND	9.4	0.59	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Pentachlorophenol	ND	9.4	3.3	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Phenanthrene	ND	4.7	0.45	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Phenol	ND	9.4	0.21	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Pyrene	ND	4.7	0.58	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
Pyridine	ND	4.7	2.3	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	0.62	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
1,2,4-Trichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,4,5-Trichlorophenol	ND	9.4	0.49	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL
2,4,6-Trichlorophenol	ND	9.4	0.42	µg/L	1		SW-846 8270E	4/13/22	4/16/22 12:19	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.9	15-110		4/16/22 12:19
Phenol-d6	29.8	15-110		4/16/22 12:19
Nitrobenzene-d5	69.1	30-130		4/16/22 12:19
2-Fluorobiphenyl	73.0	30-130		4/16/22 12:19
2,4,6-Tribromophenol	80.6	15-110		4/16/22 12:19
p-Terphenyl-d14	83.1	30-130		4/16/22 12:19

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-118S | Sampled: 4/6/2022 10:59

Sample ID: 22D0541-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.14	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Arsenic	0.038	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Barium	0.15	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Calcium	34	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Iron	0.42	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Magnesium	7.3	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Manganese	0.10	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:36	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Potassium	0.94	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Sodium	13	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 15:59	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-114S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 17:19	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 17:19	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-114S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.2	70-130		4/11/22 17:19
Toluene-d8	95.0	70-130		4/11/22 17:19
4-Bromofluorobenzene	97.0	70-130		4/11/22 17:19

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-114S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-114S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	36.8	15-110		4/13/22 21:14
Phenol-d6	25.2	15-110		4/13/22 21:14
Nitrobenzene-d5	58.4	30-130		4/13/22 21:14
2-Fluorobiphenyl	60.0	30-130		4/13/22 21:14
2,4,6-Tribromophenol	72.0	15-110		4/13/22 21:14
p-Terphenyl-d14	70.8	30-130		4/13/22 21:14

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-114S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-08

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	3.2	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Arsenic	0.0097	0.010	0.0047	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Barium	0.26	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Calcium	64	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Chromium	0.0031	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Cobalt	0.0072	0.010	0.0014	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Copper	0.015	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Iron	12	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Lead	0.0085	0.010	0.0030	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Magnesium	14	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Manganese	0.72	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:37	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Potassium	1.5	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Sodium	11	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Vanadium	0.0056	0.010	0.0031	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:04	MJH
Zinc	0.029	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:04	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-115S | Sampled: 4/5/2022 14:37

Sample ID: 22D0541-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 17:45	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 17:45	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Diethyl Ether	1.4	2.0	0.18	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 17:45	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-115S | Sampled: 4/5/2022 14:37

Sample ID: 22D0541-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 17:45	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.7	70-130		4/11/22 17:45
Toluene-d8	95.2	70-130		4/11/22 17:45
4-Bromofluorobenzene	100	70-130		4/11/22 17:45

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-115S | Sampled: 4/5/2022 14:37

Sample ID: 22D0541-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-115S | Sampled: 4/5/2022 14:37

Sample ID: 22D0541-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/12/22	4/13/22 21:38	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	43.1	15-110		4/13/22 21:38
Phenol-d6	29.6	15-110		4/13/22 21:38
Nitrobenzene-d5	76.5	30-130		4/13/22 21:38
2-Fluorobiphenyl	80.8	30-130		4/13/22 21:38
2,4,6-Tribromophenol	91.9	15-110		4/13/22 21:38
p-Terphenyl-d14	85.0	30-130		4/13/22 21:38

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-115S | Sampled: 4/5/2022 14:37

Sample ID: 22D0541-09

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.029	0.050	0.015	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Barium	0.82	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Calcium	83	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Iron	3.2	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Magnesium	27	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 18:18	MJH
Manganese	0.32	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:39	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Potassium	2.7	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Sodium	15	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:10	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102I | Sampled: 4/5/2022 17:20

Sample ID: 22D0541-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 18:12	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 18:12	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
cis-1,2-Dichloroethylene	1.8	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102I | Sampled: 4/5/2022 17:20

Sample ID: 22D0541-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Trichloroethylene	2.0	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:12	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.2	70-130		4/11/22 18:12
Toluene-d8	95.3	70-130		4/11/22 18:12
4-Bromofluorobenzene	97.4	70-130		4/11/22 18:12

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102I | Sampled: 4/5/2022 17:20

Sample ID: 22D0541-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Acenaphthylene	ND	5.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Acetophenone	ND	11	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Aniline	ND	5.6	0.78	µg/L	1	V-05	SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Anthracene	ND	5.6	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzidine	ND	22	12	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzo(a)anthracene	ND	5.6	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzo(a)pyrene	ND	5.6	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzo(b)fluoranthene	ND	5.6	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzo(g,h,i)perylene	ND	5.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzo(k)fluoranthene	ND	5.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Benzoic Acid	ND	11	9.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Bis(2-chloroethoxy)methane	ND	11	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Bis(2-chloroethyl)ether	ND	11	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Bis(2-chloroisopropyl)ether	ND	11	0.76	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Bis(2-Ethylhexyl)phthalate	ND	11	0.93	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4-Bromophenylphenylether	ND	11	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Butylbenzylphthalate	ND	11	0.75	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Carbazole	ND	11	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4-Chloroaniline	ND	11	0.64	µg/L	1	V-34	SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4-Chloro-3-methylphenol	ND	11	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2-Chloronaphthalene	ND	11	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2-Chlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4-Chlorophenylphenylether	ND	11	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Chrysene	ND	5.6	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Dibenz(a,h)anthracene	ND	5.6	0.77	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Dibenzofuran	ND	5.6	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Di-n-butylphthalate	ND	11	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1,2-Dichlorobenzene	ND	5.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1,3-Dichlorobenzene	ND	5.6	0.75	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1,4-Dichlorobenzene	ND	5.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
3,3-Dichlorobenzidine	ND	11	0.79	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,4-Dichlorophenol	ND	11	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Diethylphthalate	ND	11	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,4-Dimethylphenol	ND	11	0.78	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Dimethylphthalate	ND	11	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4,6-Dinitro-2-methylphenol	ND	11	7.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,4-Dinitrophenol	ND	11	9.0	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,4-Dinitrotoluene	ND	11	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,6-Dinitrotoluene	ND	11	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Di-n-octylphthalate	ND	11	4.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	11	0.64	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Fluoranthene	ND	5.6	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102I | Sampled: 4/5/2022 17:20

Sample ID: 22D0541-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	5.6	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Hexachlorobenzene	ND	11	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Hexachlorobutadiene	ND	11	0.86	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Hexachlorocyclopentadiene	ND	11	4.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Hexachloroethane	ND	11	0.82	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Indeno(1,2,3-cd)pyrene	ND	5.6	0.82	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Isophorone	ND	11	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1-Methylnaphthalene	ND	5.6	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2-Methylnaphthalene	ND	5.6	0.77	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2-Methylphenol	ND	11	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
3/4-Methylphenol	ND	11	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Naphthalene	ND	5.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2-Nitroaniline	ND	11	0.77	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
3-Nitroaniline	ND	11	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4-Nitroaniline	ND	11	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Nitrobenzene	ND	11	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2-Nitrophenol	ND	11	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
4-Nitrophenol	ND	11	2.3	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
N-Nitrosodimethylamine	ND	11	0.87	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	11	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
N-Nitrosodi-n-propylamine	ND	11	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Pentachloronitrobenzene	ND	11	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Pentachlorophenol	ND	11	3.9	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Phenanthrene	ND	5.6	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Phenol	ND	11	0.25	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Pyrene	ND	5.6	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
Pyridine	ND	5.6	2.7	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1,2,4,5-Tetrachlorobenzene	ND	11	0.73	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
1,2,4-Trichlorobenzene	ND	5.6	0.74	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,4,5-Trichlorophenol	ND	11	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR
2,4,6-Trichlorophenol	ND	11	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:23	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.8	15-110		4/14/22 21:23
Phenol-d6	30.8	15-110		4/14/22 21:23
Nitrobenzene-d5	63.8	30-130		4/14/22 21:23
2-Fluorobiphenyl	69.3	30-130		4/14/22 21:23
2,4,6-Tribromophenol	79.3	15-110		4/14/22 21:23
p-Terphenyl-d14	107	30-130		4/14/22 21:23

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102I | Sampled: 4/5/2022 17:20

Sample ID: 22D0541-10

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.092	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Barium	0.084	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Calcium	69	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Iron	0.22	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Magnesium	15	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Manganese	0.045	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:41	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Potassium	0.98	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Sodium	3.2	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:16	MJH
Zinc	0.0056	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:16	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 18:38	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 18:38	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
cis-1,2-Dichloroethylene	0.15	1.0	0.15	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 18:38	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 18:38	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.5	70-130		4/11/22 18:38
Toluene-d8	93.8	70-130		4/11/22 18:38
4-Bromofluorobenzene	97.4	70-130		4/11/22 18:38

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Acetophenone	ND	9.7	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Aniline	ND	4.9	0.68	µg/L	1	V-05	SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzo(g,h,i)perylene	ND	4.9	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzo(k)fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Benzoic Acid	ND	9.7	8.2	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Bis(2-chloroethoxy)methane	ND	9.7	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Bis(2-chloroethyl)ether	ND	9.7	0.55	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.82	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4-Bromophenylphenylether	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Butylbenzylphthalate	ND	9.7	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Carbazole	ND	9.7	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4-Chloroaniline	ND	9.7	0.56	µg/L	1	V-34	SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4-Chloro-3-methylphenol	ND	9.7	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2-Chloronaphthalene	ND	9.7	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2-Chlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4-Chlorophenylphenylether	ND	9.7	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Chrysene	ND	4.9	0.38	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Dibenzofuran	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Di-n-butylphthalate	ND	9.7	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1,3-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
3,3-Dichlorobenzidine	ND	9.7	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,4-Dichlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Diethylphthalate	ND	9.7	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,4-Dimethylphenol	ND	9.7	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Dimethylphthalate	ND	9.7	0.37	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	6.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,4-Dinitrophenol	ND	9.7	7.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,4-Dinitrotoluene	ND	9.7	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,6-Dinitrotoluene	ND	9.7	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Di-n-octylphthalate	ND	9.7	3.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.9	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Hexachlorobenzene	ND	9.7	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Hexachlorobutadiene	ND	9.7	0.75	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Hexachlorocyclopentadiene	ND	9.7	3.6	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Hexachloroethane	ND	9.7	0.72	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Isophorone	ND	9.7	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1-Methylnaphthalene	ND	4.9	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2-Methylphenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
3/4-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2-Nitroaniline	ND	9.7	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
3-Nitroaniline	ND	9.7	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4-Nitroaniline	ND	9.7	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Nitrobenzene	ND	9.7	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2-Nitrophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
4-Nitrophenol	ND	9.7	2.0	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
N-Nitrosodimethylamine	ND	9.7	0.76	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.37	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
N-Nitrosodi-n-propylamine	ND	9.7	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Pentachloronitrobenzene	ND	9.7	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Pentachlorophenol	ND	9.7	3.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Phenanthrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Phenol	ND	9.7	0.22	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Pyrene	ND	4.9	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,4,5-Trichlorophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR
2,4,6-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 21:47	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	32.7	15-110		4/14/22 21:47
Phenol-d6	22.8	15-110		4/14/22 21:47
Nitrobenzene-d5	52.9	30-130		4/14/22 21:47
2-Fluorobiphenyl	58.3	30-130		4/14/22 21:47
2,4,6-Tribromophenol	70.2	15-110		4/14/22 21:47
p-Terphenyl-d14	88.0	30-130		4/14/22 21:47

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-102S | Sampled: 4/5/2022 15:42

Sample ID: 22D0541-11

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.022	0.050	0.015	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Barium	0.11	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Calcium	79	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Iron	0.083	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Magnesium	15	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Manganese	0.059	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:43	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Potassium	0.81	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Sodium	2.5	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:22	MJH
Zinc	0.0048	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:22	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117D | Sampled: 4/5/2022 13:51

Sample ID: 22D0541-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 19:04	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 19:04	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117D | Sampled: 4/5/2022 13:51

Sample ID: 22D0541-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		4/11/22 19:04
Toluene-d8	92.5	70-130		4/11/22 19:04
4-Bromofluorobenzene	97.0	70-130		4/11/22 19:04

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117D | Sampled: 4/5/2022 13:51

Sample ID: 22D0541-12

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.1	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Acenaphthylene	ND	5.1	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Acetophenone	ND	10	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Aniline	ND	5.1	0.70	µg/L	1	V-05	SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Anthracene	ND	5.1	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzidine	ND	20	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzo(a)anthracene	ND	5.1	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzo(a)pyrene	ND	5.1	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzo(b)fluoranthene	ND	5.1	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzo(g,h,i)perylene	ND	5.1	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzo(k)fluoranthene	ND	5.1	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Benzoic Acid	ND	10	8.5	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Bis(2-chloroethoxy)methane	ND	10	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Bis(2-chloroethyl)ether	ND	10	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Bis(2-chloroisopropyl)ether	ND	10	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	0.85	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4-Bromophenylphenylether	ND	10	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Butylbenzylphthalate	ND	10	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Carbazole	ND	10	0.43	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4-Chloroaniline	ND	10	0.58	µg/L	1	V-34	SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4-Chloro-3-methylphenol	ND	10	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2-Chloronaphthalene	ND	10	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2-Chlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4-Chlorophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Chrysene	ND	5.1	0.40	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Dibenz(a,h)anthracene	ND	5.1	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Dibenzofuran	ND	5.1	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Di-n-butylphthalate	ND	10	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1,2-Dichlorobenzene	ND	5.1	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1,3-Dichlorobenzene	ND	5.1	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1,4-Dichlorobenzene	ND	5.1	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
3,3-Dichlorobenzidine	ND	10	0.72	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,4-Dimethylphenol	ND	10	0.71	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4,6-Dinitro-2-methylphenol	ND	10	7.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,4-Dinitrophenol	ND	10	8.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,4-Dinitrotoluene	ND	10	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,6-Dinitrotoluene	ND	10	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Di-n-octylphthalate	ND	10	4.0	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Fluoranthene	ND	5.1	0.43	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117D | Sampled: 4/5/2022 13:51

Sample ID: 22D0541-12

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	5.1	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Hexachlorobenzene	ND	10	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Hexachlorobutadiene	ND	10	0.78	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Hexachlorocyclopentadiene	ND	10	3.7	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Hexachloroethane	ND	10	0.75	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Indeno(1,2,3-cd)pyrene	ND	5.1	0.75	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Isophorone	ND	10	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1-Methylnaphthalene	ND	5.1	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2-Methylnaphthalene	ND	5.1	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2-Methylphenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
3/4-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Naphthalene	ND	5.1	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2-Nitroaniline	ND	10	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
3-Nitroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Nitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2-Nitrophenol	ND	10	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
N-Nitrosodimethylamine	ND	10	0.79	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.39	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
N-Nitrosodi-n-propylamine	ND	10	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Pentachloronitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Pentachlorophenol	ND	10	3.5	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Phenanthrene	ND	5.1	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Phenol	ND	10	0.23	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Pyrene	ND	5.1	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
Pyridine	ND	5.1	2.5	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	0.66	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
1,2,4-Trichlorobenzene	ND	5.1	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,4,5-Trichlorophenol	ND	10	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR
2,4,6-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:12	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	37.4	15-110		4/14/22 22:12
Phenol-d6	27.5	15-110		4/14/22 22:12
Nitrobenzene-d5	61.9	30-130		4/14/22 22:12
2-Fluorobiphenyl	68.6	30-130		4/14/22 22:12
2,4,6-Tribromophenol	79.8	15-110		4/14/22 22:12
p-Terphenyl-d14	98.5	30-130		4/14/22 22:12

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117D | Sampled: 4/5/2022 13:51

Sample ID: 22D0541-12

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.52	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Barium	0.69	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Calcium	110	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Chromium	0.0032	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Copper	0.011	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Iron	0.86	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Magnesium	27	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 18:24	MJH
Manganese	0.32	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:44	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Potassium	2.1	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Sodium	5.2	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH
Zinc	0.010	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:28	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117I | Sampled: 4/5/2022 12:15

Sample ID: 22D0541-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 19:31	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 19:31	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117I | Sampled: 4/5/2022 12:15

Sample ID: 22D0541-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.6	70-130		4/11/22 19:31
Toluene-d8	94.0	70-130		4/11/22 19:31
4-Bromofluorobenzene	96.4	70-130		4/11/22 19:31

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117I | Sampled: 4/5/2022 12:15

Sample ID: 22D0541-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Acetophenone	ND	9.8	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Aniline	ND	4.9	0.68	µg/L	1	V-05	SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzidine	ND	20	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzo(a)pyrene	ND	4.9	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzo(g,h,i)perylene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzo(k)fluoranthene	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Benzoic Acid	ND	9.8	8.3	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Bis(2-chloroethoxy)methane	ND	9.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Bis(2-chloroethyl)ether	ND	9.8	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Bis(2-chloroisopropyl)ether	ND	9.8	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.8	0.82	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4-Bromophenylphenylether	ND	9.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Butylbenzylphthalate	ND	9.8	0.66	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Carbazole	ND	9.8	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4-Chloroaniline	ND	9.8	0.56	µg/L	1	V-34	SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4-Chloro-3-methylphenol	ND	9.8	0.55	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2-Chloronaphthalene	ND	9.8	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2-Chlorophenol	ND	9.8	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4-Chlorophenylphenylether	ND	9.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Chrysene	ND	4.9	0.39	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Dibenz(a,h)anthracene	ND	4.9	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Dibenzofuran	ND	4.9	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Di-n-butylphthalate	ND	9.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1,3-Dichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
3,3-Dichlorobenzidine	ND	9.8	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,4-Dichlorophenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Diethylphthalate	ND	9.8	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,4-Dimethylphenol	ND	9.8	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Dimethylphthalate	ND	9.8	0.37	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4,6-Dinitro-2-methylphenol	ND	9.8	6.9	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,4-Dinitrophenol	ND	9.8	7.9	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,4-Dinitrotoluene	ND	9.8	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,6-Dinitrotoluene	ND	9.8	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Di-n-octylphthalate	ND	9.8	3.9	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.8	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117I | Sampled: 4/5/2022 12:15

Sample ID: 22D0541-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.9	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Hexachlorobenzene	ND	9.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Hexachlorobutadiene	ND	9.8	0.76	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Hexachlorocyclopentadiene	ND	9.8	3.6	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Hexachloroethane	ND	9.8	0.73	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.73	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Isophorone	ND	9.8	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1-Methylnaphthalene	ND	4.9	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2-Methylnaphthalene	ND	4.9	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2-Methylphenol	ND	9.8	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
3/4-Methylphenol	ND	9.8	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2-Nitroaniline	ND	9.8	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
3-Nitroaniline	ND	9.8	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4-Nitroaniline	ND	9.8	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Nitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2-Nitrophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
4-Nitrophenol	ND	9.8	2.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
N-Nitrosodimethylamine	ND	9.8	0.77	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.8	0.37	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
N-Nitrosodi-n-propylamine	ND	9.8	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Pentachloronitrobenzene	ND	9.8	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Pentachlorophenol	ND	9.8	3.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Phenanthrene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Phenol	ND	9.8	0.22	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Pyrene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.8	0.64	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.66	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,4,5-Trichlorophenol	ND	9.8	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR
2,4,6-Trichlorophenol	ND	9.8	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 22:37	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	35.2	15-110		4/14/22 22:37
Phenol-d6	25.0	15-110		4/14/22 22:37
Nitrobenzene-d5	60.2	30-130		4/14/22 22:37
2-Fluorobiphenyl	63.4	30-130		4/14/22 22:37
2,4,6-Tribromophenol	72.7	15-110		4/14/22 22:37
p-Terphenyl-d14	84.1	30-130		4/14/22 22:37

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-117I | Sampled: 4/5/2022 12:15

Sample ID: 22D0541-13

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.43	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Barium	0.36	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Calcium	190	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Chromium	0.0058	0.010	0.0025	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Iron	0.30	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Magnesium	29	0.25	0.048	mg/L	5		SW-846 6010D	4/13/22	4/18/22 18:30	MJH
Manganese	0.056	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:46	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Potassium	3.3	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Sodium	4.8	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Vanadium	0.0044	0.010	0.0031	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:32	MJH
Zinc	0.027	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:32	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109I | Sampled: 4/6/2022 10:15

Sample ID: 22D0541-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 19:57	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 19:57	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109I | Sampled: 4/6/2022 10:15

Sample ID: 22D0541-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 19:57	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.0	70-130		4/11/22 19:57
Toluene-d8	94.5	70-130		4/11/22 19:57
4-Bromofluorobenzene	96.4	70-130		4/11/22 19:57

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109I | Sampled: 4/6/2022 10:15

Sample ID: 22D0541-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Acenaphthylene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Acetophenone	ND	9.6	0.51	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Aniline	ND	4.8	0.67	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzidine	ND	19	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzo(a)pyrene	ND	4.8	0.55	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzo(g,h,i)perylene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Benzoic Acid	ND	9.6	8.1	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Bis(2-chloroethoxy)methane	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Bis(2-chloroethyl)ether	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Bis(2-chloroisopropyl)ether	ND	9.6	0.66	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.6	0.81	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4-Bromophenylphenylether	ND	9.6	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Butylbenzylphthalate	ND	9.6	0.65	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Carbazole	ND	9.6	0.41	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4-Chloroaniline	ND	9.6	0.55	µg/L	1	V-34	SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4-Chloro-3-methylphenol	ND	9.6	0.54	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2-Chloronaphthalene	ND	9.6	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2-Chlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4-Chlorophenylphenylether	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Dibenzofuran	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Di-n-butylphthalate	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1,2-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1,3-Dichlorobenzene	ND	4.8	0.65	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
3,3-Dichlorobenzidine	ND	9.6	0.68	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,4-Dichlorophenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Diethylphthalate	ND	9.6	0.40	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,4-Dimethylphenol	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Dimethylphthalate	ND	9.6	0.36	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4,6-Dinitro-2-methylphenol	ND	9.6	6.8	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,4-Dinitrophenol	ND	9.6	7.8	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,4-Dinitrotoluene	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,6-Dinitrotoluene	ND	9.6	0.50	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Di-n-octylphthalate	ND	9.6	3.8	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.6	0.55	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109I | Sampled: 4/6/2022 10:15

Sample ID: 22D0541-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Hexachlorobutadiene	ND	9.6	0.74	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Hexachlorocyclopentadiene	ND	9.6	3.5	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Hexachloroethane	ND	9.6	0.71	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Isophorone	ND	9.6	0.53	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1-Methylnaphthalene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2-Methylphenol	ND	9.6	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
3/4-Methylphenol	ND	9.6	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2-Nitroaniline	ND	9.6	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
3-Nitroaniline	ND	9.6	0.56	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4-Nitroaniline	ND	9.6	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Nitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2-Nitrophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
4-Nitrophenol	ND	9.6	2.0	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
N-Nitrosodimethylamine	ND	9.6	0.75	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.6	0.37	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
N-Nitrosodi-n-propylamine	ND	9.6	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Pentachloronitrobenzene	ND	9.6	0.60	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Pentachlorophenol	ND	9.6	3.4	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Phenol	ND	9.6	0.22	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Pyrene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.6	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,4,5-Trichlorophenol	ND	9.6	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL
2,4,6-Trichlorophenol	ND	9.6	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.9	15-110		4/18/22 16:00
Phenol-d6	27.8	15-110		4/18/22 16:00
Nitrobenzene-d5	65.1	30-130		4/18/22 16:00
2-Fluorobiphenyl	70.1	30-130		4/18/22 16:00
2,4,6-Tribromophenol	77.7	15-110		4/18/22 16:00
p-Terphenyl-d14	78.5	30-130		4/18/22 16:00

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109I | Sampled: 4/6/2022 10:15

Sample ID: 22D0541-14

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.18	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Barium	0.067	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Calcium	68	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Iron	0.28	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Magnesium	11	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Manganese	0.057	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:48	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Potassium	0.84	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Sodium	3.2	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:38	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109D | Sampled: 4/6/2022 11:48

Sample ID: 22D0541-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 20:23	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 20:23	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109D | Sampled: 4/6/2022 11:48

Sample ID: 22D0541-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:23	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.1	70-130		4/11/22 20:23
Toluene-d8	93.0	70-130		4/11/22 20:23
4-Bromofluorobenzene	96.6	70-130		4/11/22 20:23

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109D | Sampled: 4/6/2022 11:48

Sample ID: 22D0541-15

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.52	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Acetophenone	ND	10	0.53	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Aniline	ND	5.0	0.70	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzidine	ND	20	10	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzo(a)anthracene	ND	5.0	0.41	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzo(a)pyrene	ND	5.0	0.57	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzo(k)fluoranthene	ND	5.0	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Benzoic Acid	ND	10	8.4	µg/L	1	MS-09	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Bis(2-chloroethoxy)methane	ND	10	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Bis(2-chloroethyl)ether	ND	10	0.57	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Bis(2-chloroisopropyl)ether	ND	10	0.69	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	0.84	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4-Bromophenylphenylether	ND	10	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Carbazole	ND	10	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4-Chloroaniline	ND	10	0.58	µg/L	1	V-34	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4-Chloro-3-methylphenol	ND	10	0.56	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2-Chloronaphthalene	ND	10	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2-Chlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4-Chlorophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Chrysene	ND	5.0	0.40	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Dibenz(a,h)anthracene	ND	5.0	0.69	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Dibenzofuran	ND	5.0	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Di-n-butylphthalate	ND	10	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1,2-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1,4-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
3,3-Dichlorobenzidine	ND	10	0.71	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,4-Dimethylphenol	ND	10	0.70	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4,6-Dinitro-2-methylphenol	ND	10	7.0	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,4-Dinitrophenol	ND	10	8.1	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,4-Dinitrotoluene	ND	10	0.61	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,6-Dinitrotoluene	ND	10	0.52	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Di-n-octylphthalate	ND	10	3.9	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.57	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Fluorene	ND	5.0	0.52	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109D | Sampled: 4/6/2022 11:48

Sample ID: 22D0541-15

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	10	0.51	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Hexachlorobutadiene	ND	10	0.77	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Hexachlorocyclopentadiene	ND	10	3.7	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Hexachloroethane	ND	10	0.74	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	0.74	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Isophorone	ND	10	0.55	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2-Methylnaphthalene	ND	5.0	0.69	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
3/4-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
3-Nitroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Nitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2-Nitrophenol	ND	10	0.51	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
N-Nitrosodimethylamine	ND	10	0.78	µg/L	1	MS-09	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.38	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
N-Nitrosodi-n-propylamine	ND	10	0.61	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Pentachloronitrobenzene	ND	10	0.62	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Pentachlorophenol	ND	10	3.5	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Phenanthrene	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Phenol	ND	10	0.23	µg/L	1	MS-09	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
Pyridine	ND	5.0	2.5	µg/L	1	MS-09	SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
1,2,4-Trichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,4,5-Trichlorophenol	ND	10	0.51	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL
2,4,6-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 16:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	39.1	15-110		4/18/22 16:25
Phenol-d6	26.6	15-110		4/18/22 16:25
Nitrobenzene-d5	69.4	30-130		4/18/22 16:25
2-Fluorobiphenyl	76.9	30-130		4/18/22 16:25
2,4,6-Tribromophenol	86.3	15-110		4/18/22 16:25
p-Terphenyl-d14	88.7	30-130		4/18/22 16:25

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-MW-109D | Sampled: 4/6/2022 11:48

Sample ID: 22D0541-15

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.24	0.050	0.015	mg/L	1	MS-07A	SW-846 6010D	4/13/22	4/17/22 16:53	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Barium	0.13	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Calcium	63	0.50	0.11	mg/L	1	MS-19	SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Iron	0.65	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Magnesium	13	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Manganese	0.13	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:50	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Potassium	1.0	2.0	0.30	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Sodium	3.8	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 14:58	MJH
Zinc	0.0056	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 14:58	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	2.0	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 20:49	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 20:49	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 20:49	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.8	70-130		4/11/22 20:49
Toluene-d8	93.2	70-130		4/11/22 20:49
4-Bromofluorobenzene	97.0	70-130		4/11/22 20:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-16

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Acenaphthylene	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Acetophenone	ND	10	0.53	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Aniline	ND	5.0	0.70	µg/L	1	V-05	SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Anthracene	ND	5.0	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzidine	ND	20	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzo(a)anthracene	ND	5.0	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzo(a)pyrene	ND	5.0	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzo(b)fluoranthene	ND	5.0	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzo(g,h,i)perylene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzo(k)fluoranthene	ND	5.0	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Benzoic Acid	ND	10	8.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Bis(2-chloroethoxy)methane	ND	10	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Bis(2-chloroethyl)ether	ND	10	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Bis(2-chloroisopropyl)ether	ND	10	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Bis(2-Ethylhexyl)phthalate	ND	10	0.84	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4-Bromophenylphenylether	ND	10	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Butylbenzylphthalate	ND	10	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Carbazole	ND	10	0.43	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4-Chloroaniline	ND	10	0.58	µg/L	1	V-34	SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4-Chloro-3-methylphenol	ND	10	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2-Chloronaphthalene	ND	10	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2-Chlorophenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4-Chlorophenylphenylether	ND	10	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Chrysene	ND	5.0	0.40	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Dibenz(a,h)anthracene	ND	5.0	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Dibenzofuran	ND	5.0	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Di-n-butylphthalate	ND	10	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1,2-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1,3-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1,4-Dichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
3,3-Dichlorobenzidine	ND	10	0.71	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,4-Dichlorophenol	ND	10	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Diethylphthalate	ND	10	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,4-Dimethylphenol	ND	10	0.70	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Dimethylphthalate	ND	10	0.38	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4,6-Dinitro-2-methylphenol	ND	10	7.0	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,4-Dinitrophenol	ND	10	8.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,4-Dinitrotoluene	ND	10	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,6-Dinitrotoluene	ND	10	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Di-n-octylphthalate	ND	10	3.9	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	10	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Fluoranthene	ND	5.0	0.43	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-16

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	5.0	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Hexachlorobenzene	ND	10	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Hexachlorobutadiene	ND	10	0.77	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Hexachlorocyclopentadiene	ND	10	3.7	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Hexachloroethane	ND	10	0.74	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Indeno(1,2,3-cd)pyrene	ND	5.0	0.74	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Isophorone	ND	10	0.55	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1-Methylnaphthalene	ND	5.0	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2-Methylnaphthalene	ND	5.0	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2-Methylphenol	ND	10	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
3/4-Methylphenol	ND	10	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Naphthalene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2-Nitroaniline	ND	10	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
3-Nitroaniline	ND	10	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4-Nitroaniline	ND	10	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Nitrobenzene	ND	10	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2-Nitrophenol	ND	10	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
4-Nitrophenol	ND	10	2.1	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
N-Nitrosodimethylamine	ND	10	0.78	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	10	0.38	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
N-Nitrosodi-n-propylamine	ND	10	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Pentachloronitrobenzene	ND	10	0.62	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Pentachlorophenol	ND	10	3.5	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Phenanthrene	ND	5.0	0.48	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Phenol	ND	10	0.23	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Pyrene	ND	5.0	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
Pyridine	ND	5.0	2.5	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1,2,4,5-Tetrachlorobenzene	ND	10	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
1,2,4-Trichlorobenzene	ND	5.0	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,4,5-Trichlorophenol	ND	10	0.51	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR
2,4,6-Trichlorophenol	ND	10	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:02	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	25.0	15-110		4/14/22 23:02
Phenol-d6	18.1	15-110		4/14/22 23:02
Nitrobenzene-d5	41.4	30-130		4/14/22 23:02
2-Fluorobiphenyl	45.9	30-130		4/14/22 23:02
2,4,6-Tribromophenol	51.1	15-110		4/14/22 23:02
p-Terphenyl-d14	61.4	30-130		4/14/22 23:02

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-16

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Barium	ND	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Calcium	ND	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Iron	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Magnesium	ND	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Manganese	ND	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:56	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Potassium	ND	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Sodium	ND	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:44	MJH
Zinc	0.0064	0.010	0.0042	mg/L	1	J	SW-846 6010D	4/13/22	4/14/22 16:44	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	2.0	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 21:16	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 21:16	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:16	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	92.0	70-130		4/11/22 21:16
Toluene-d8	93.3	70-130		4/11/22 21:16
4-Bromofluorobenzene	95.5	70-130		4/11/22 21:16

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-17

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.9	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Acenaphthylene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Acetophenone	ND	9.7	0.52	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Aniline	ND	4.9	0.68	µg/L	1	V-05	SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Anthracene	ND	4.9	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzidine	ND	19	10	µg/L	1	R-05, V-04, V-05, V-35	SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzo(a)anthracene	ND	4.9	0.40	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzo(a)pyrene	ND	4.9	0.55	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzo(b)fluoranthene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzo(g,h,i)perylene	ND	4.9	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzo(k)fluoranthene	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Benzoic Acid	ND	9.7	8.2	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Bis(2-chloroethoxy)methane	ND	9.7	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Bis(2-chloroethyl)ether	ND	9.7	0.55	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Bis(2-chloroisopropyl)ether	ND	9.7	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Bis(2-Ethylhexyl)phthalate	ND	9.7	0.82	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4-Bromophenylphenylether	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Butylbenzylphthalate	ND	9.7	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Carbazole	ND	9.7	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4-Chloroaniline	ND	9.7	0.56	µg/L	1	V-34	SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4-Chloro-3-methylphenol	ND	9.7	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2-Chloronaphthalene	ND	9.7	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2-Chlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4-Chlorophenylphenylether	ND	9.7	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Chrysene	ND	4.9	0.38	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Dibenz(a,h)anthracene	ND	4.9	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Dibenzofuran	ND	4.9	0.47	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Di-n-butylphthalate	ND	9.7	0.45	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1,2-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1,3-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1,4-Dichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
3,3-Dichlorobenzidine	ND	9.7	0.69	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,4-Dichlorophenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Diethylphthalate	ND	9.7	0.41	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,4-Dimethylphenol	ND	9.7	0.68	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Dimethylphthalate	ND	9.7	0.37	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4,6-Dinitro-2-methylphenol	ND	9.7	6.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,4-Dinitrophenol	ND	9.7	7.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,4-Dinitrotoluene	ND	9.7	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,6-Dinitrotoluene	ND	9.7	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Di-n-octylphthalate	ND	9.7	3.8	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	9.7	0.56	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Fluoranthene	ND	4.9	0.42	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-17

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	4.9	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Hexachlorobenzene	ND	9.7	0.49	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Hexachlorobutadiene	ND	9.7	0.75	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Hexachlorocyclopentadiene	ND	9.7	3.6	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Hexachloroethane	ND	9.7	0.72	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Indeno(1,2,3-cd)pyrene	ND	4.9	0.72	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Isophorone	ND	9.7	0.54	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1-Methylnaphthalene	ND	4.9	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2-Methylnaphthalene	ND	4.9	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2-Methylphenol	ND	9.7	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
3/4-Methylphenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Naphthalene	ND	4.9	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2-Nitroaniline	ND	9.7	0.67	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
3-Nitroaniline	ND	9.7	0.57	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4-Nitroaniline	ND	9.7	0.58	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Nitrobenzene	ND	9.7	0.61	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2-Nitrophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
4-Nitrophenol	ND	9.7	2.0	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
N-Nitrosodimethylamine	ND	9.7	0.76	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	9.7	0.37	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
N-Nitrosodi-n-propylamine	ND	9.7	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Pentachloronitrobenzene	ND	9.7	0.60	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Pentachlorophenol	ND	9.7	3.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Phenanthrene	ND	4.9	0.46	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Phenol	ND	9.7	0.22	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Pyrene	ND	4.9	0.59	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
Pyridine	ND	4.9	2.4	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1,2,4,5-Tetrachlorobenzene	ND	9.7	0.63	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
1,2,4-Trichlorobenzene	ND	4.9	0.65	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,4,5-Trichlorophenol	ND	9.7	0.50	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR
2,4,6-Trichlorophenol	ND	9.7	0.44	µg/L	1		SW-846 8270E	4/12/22	4/14/22 23:27	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.7	15-110		4/14/22 23:27
Phenol-d6	29.3	15-110		4/14/22 23:27
Nitrobenzene-d5	67.4	30-130		4/14/22 23:27
2-Fluorobiphenyl	72.4	30-130		4/14/22 23:27
2,4,6-Tribromophenol	82.5	15-110		4/14/22 23:27
p-Terphenyl-d14	94.7	30-130		4/14/22 23:27

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04052022 | Sampled: 4/5/2022 17:50

Sample ID: 22D0541-17

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Barium	ND	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Calcium	ND	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Iron	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Magnesium	ND	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Manganese	ND	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:58	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Potassium	ND	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Sodium	ND	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:50	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.1	50	2.0	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 21:42	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 21:42	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 21:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	86.7	70-130		4/11/22 21:42
Toluene-d8	94.3	70-130		4/11/22 21:42
4-Bromofluorobenzene	95.8	70-130		4/11/22 21:42

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-18

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.8	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Acenaphthylene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Acetophenone	ND	9.5	0.51	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Aniline	ND	4.8	0.66	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Anthracene	ND	4.8	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzidine	ND	19	9.9	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzo(a)anthracene	ND	4.8	0.39	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzo(a)pyrene	ND	4.8	0.54	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzo(b)fluoranthene	ND	4.8	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzo(g,h,i)perylene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzo(k)fluoranthene	ND	4.8	0.47	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Benzoic Acid	ND	9.5	8.0	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Bis(2-chloroethoxy)methane	ND	9.5	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Bis(2-chloroethyl)ether	ND	9.5	0.54	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Bis(2-chloroisopropyl)ether	ND	9.5	0.66	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.5	0.80	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4-Bromophenylphenylether	ND	9.5	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Butylbenzylphthalate	ND	9.5	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Carbazole	ND	9.5	0.41	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4-Chloroaniline	ND	9.5	0.55	µg/L	1	V-34	SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4-Chloro-3-methylphenol	ND	9.5	0.53	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2-Chloronaphthalene	ND	9.5	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2-Chlorophenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4-Chlorophenylphenylether	ND	9.5	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Chrysene	ND	4.8	0.38	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Dibenz(a,h)anthracene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Dibenzofuran	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Di-n-butylphthalate	ND	9.5	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1,2-Dichlorobenzene	ND	4.8	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1,3-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1,4-Dichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
3,3-Dichlorobenzidine	ND	9.5	0.68	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,4-Dichlorophenol	ND	9.5	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Diethylphthalate	ND	9.5	0.40	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,4-Dimethylphenol	ND	9.5	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Dimethylphthalate	ND	9.5	0.36	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4,6-Dinitro-2-methylphenol	ND	9.5	6.7	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,4-Dinitrophenol	ND	9.5	7.7	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,4-Dinitrotoluene	ND	9.5	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,6-Dinitrotoluene	ND	9.5	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Di-n-octylphthalate	ND	9.5	3.7	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.5	0.55	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Fluoranthene	ND	4.8	0.41	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Fluorene	ND	4.8	0.50	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-18

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.5	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Hexachlorobutadiene	ND	9.5	0.74	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Hexachlorocyclopentadiene	ND	9.5	3.5	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Hexachloroethane	ND	9.5	0.70	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Indeno(1,2,3-cd)pyrene	ND	4.8	0.71	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Isophorone	ND	9.5	0.53	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1-Methylnaphthalene	ND	4.8	0.57	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2-Methylnaphthalene	ND	4.8	0.66	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2-Methylphenol	ND	9.5	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
3/4-Methylphenol	ND	9.5	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Naphthalene	ND	4.8	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2-Nitroaniline	ND	9.5	0.66	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
3-Nitroaniline	ND	9.5	0.56	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4-Nitroaniline	ND	9.5	0.57	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Nitrobenzene	ND	9.5	0.60	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2-Nitrophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
4-Nitrophenol	ND	9.5	2.0	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
N-Nitrosodimethylamine	ND	9.5	0.75	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.5	0.36	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
N-Nitrosodi-n-propylamine	ND	9.5	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Pentachloronitrobenzene	ND	9.5	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Pentachlorophenol	ND	9.5	3.3	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Phenanthrene	ND	4.8	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Phenol	ND	9.5	0.22	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Pyrene	ND	4.8	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
Pyridine	ND	4.8	2.4	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.5	0.62	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
1,2,4-Trichlorobenzene	ND	4.8	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,4,5-Trichlorophenol	ND	9.5	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL
2,4,6-Trichlorophenol	ND	9.5	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:16	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	38.4	15-110		4/18/22 17:16
Phenol-d6	27.2	15-110		4/18/22 17:16
Nitrobenzene-d5	61.7	30-130		4/18/22 17:16
2-Fluorobiphenyl	64.9	30-130		4/18/22 17:16
2,4,6-Tribromophenol	81.8	15-110		4/18/22 17:16
p-Terphenyl-d14	77.8	30-130		4/18/22 17:16

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-RB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-18

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Barium	ND	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Calcium	ND	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Iron	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Lead	ND	0.010	0.0030	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Magnesium	ND	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Manganese	ND	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 16:59	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Potassium	ND	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Sodium	ND	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/14/22 17:24	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.3	50	2.0	µg/L	1	J	SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 22:08	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 22:08	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 22:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.2	70-130		4/11/22 22:08
Toluene-d8	93.3	70-130		4/11/22 22:08
4-Bromofluorobenzene	96.6	70-130		4/11/22 22:08

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-19

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	4.7	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Acenaphthylene	ND	4.7	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Acetophenone	ND	9.4	0.50	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Aniline	ND	4.7	0.66	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Anthracene	ND	4.7	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzidine	ND	19	9.8	µg/L	1	V-04, V-05, V-35	SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzo(a)anthracene	ND	4.7	0.38	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzo(a)pyrene	ND	4.7	0.54	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzo(b)fluoranthene	ND	4.7	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzo(g,h,i)perylene	ND	4.7	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzo(k)fluoranthene	ND	4.7	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Benzoic Acid	ND	9.4	8.0	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Bis(2-chloroethoxy)methane	ND	9.4	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Bis(2-chloroethyl)ether	ND	9.4	0.54	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Bis(2-chloroisopropyl)ether	ND	9.4	0.65	µg/L	1	V-05	SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Bis(2-Ethylhexyl)phthalate	ND	9.4	0.79	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4-Bromophenylphenylether	ND	9.4	0.44	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Butylbenzylphthalate	ND	9.4	0.64	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Carbazole	ND	9.4	0.40	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4-Chloroaniline	ND	9.4	0.54	µg/L	1	V-34	SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4-Chloro-3-methylphenol	ND	9.4	0.53	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2-Chloronaphthalene	ND	9.4	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2-Chlorophenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4-Chlorophenylphenylether	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Chrysene	ND	4.7	0.37	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Dibenz(a,h)anthracene	ND	4.7	0.65	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Dibenzofuran	ND	4.7	0.46	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Di-n-butylphthalate	ND	9.4	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1,2-Dichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1,3-Dichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1,4-Dichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
3,3-Dichlorobenzidine	ND	9.4	0.67	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,4-Dichlorophenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Diethylphthalate	ND	9.4	0.39	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,4-Dimethylphenol	ND	9.4	0.66	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Dimethylphthalate	ND	9.4	0.36	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4,6-Dinitro-2-methylphenol	ND	9.4	6.6	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,4-Dinitrophenol	ND	9.4	7.6	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,4-Dinitrotoluene	ND	9.4	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,6-Dinitrotoluene	ND	9.4	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Di-n-octylphthalate	ND	9.4	3.7	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	9.4	0.54	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Fluoranthene	ND	4.7	0.41	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Fluorene	ND	4.7	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-19

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	9.4	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Hexachlorobutadiene	ND	9.4	0.73	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Hexachlorocyclopentadiene	ND	9.4	3.5	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Hexachloroethane	ND	9.4	0.70	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Indeno(1,2,3-cd)pyrene	ND	4.7	0.70	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Isophorone	ND	9.4	0.52	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1-Methylnaphthalene	ND	4.7	0.57	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2-Methylnaphthalene	ND	4.7	0.65	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2-Methylphenol	ND	9.4	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
3/4-Methylphenol	ND	9.4	0.43	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Naphthalene	ND	4.7	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2-Nitroaniline	ND	9.4	0.65	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
3-Nitroaniline	ND	9.4	0.55	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4-Nitroaniline	ND	9.4	0.56	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Nitrobenzene	ND	9.4	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2-Nitrophenol	ND	9.4	0.48	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
4-Nitrophenol	ND	9.4	2.0	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
N-Nitrosodimethylamine	ND	9.4	0.74	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	9.4	0.36	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
N-Nitrosodi-n-propylamine	ND	9.4	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Pentachloronitrobenzene	ND	9.4	0.59	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Pentachlorophenol	ND	9.4	3.3	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Phenanthrene	ND	4.7	0.45	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Phenol	ND	9.4	0.21	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Pyrene	ND	4.7	0.58	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
Pyridine	ND	4.7	2.3	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1,2,4,5-Tetrachlorobenzene	ND	9.4	0.62	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
1,2,4-Trichlorobenzene	ND	4.7	0.63	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,4,5-Trichlorophenol	ND	9.4	0.49	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL
2,4,6-Trichlorophenol	ND	9.4	0.42	µg/L	1		SW-846 8270E	4/13/22	4/18/22 17:41	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	40.9	15-110		4/18/22 17:41
Phenol-d6	28.8	15-110		4/18/22 17:41
Nitrobenzene-d5	68.0	30-130		4/18/22 17:41
2-Fluorobiphenyl	73.1	30-130		4/18/22 17:41
2,4,6-Tribromophenol	87.3	15-110		4/18/22 17:41
p-Terphenyl-d14	81.6	30-130		4/18/22 17:41

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: 907017-FB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-19

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	ND	0.050	0.015	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Antimony	ND	0.050	0.0089	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Arsenic	ND	0.010	0.0047	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Barium	ND	0.050	0.0056	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Beryllium	ND	0.0040	0.0010	mg/L	1		SW-846 6010D	4/13/22	4/15/22 18:28	MJH
Cadmium	ND	0.0040	0.00080	mg/L	1		SW-846 6010D	4/13/22	4/15/22 18:28	MJH
Calcium	ND	0.50	0.11	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Chromium	ND	0.010	0.0025	mg/L	1		SW-846 6010D	4/13/22	4/15/22 18:28	MJH
Cobalt	ND	0.010	0.0014	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Copper	ND	0.010	0.0036	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Iron	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Lead	0.0039	0.010	0.0030	mg/L	1	J	SW-846 6010D	4/13/22	4/15/22 18:28	MJH
Magnesium	ND	0.050	0.0095	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Manganese	ND	0.010	0.0017	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Mercury	ND	0.00010	0.000040	mg/L	1		SW-846 7470A	4/10/22	4/11/22 17:03	TDK
Nickel	ND	0.010	0.0088	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Potassium	ND	2.0	0.30	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Selenium	ND	0.050	0.011	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Silver	ND	0.010	0.0032	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Sodium	ND	2.0	0.53	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Thallium	ND	0.050	0.019	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Vanadium	ND	0.010	0.0031	mg/L	1		SW-846 6010D	4/13/22	4/14/22 16:15	MJH
Zinc	ND	0.010	0.0042	mg/L	1		SW-846 6010D	4/13/22	4/15/22 18:28	MJH

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: Trip Blank | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-20

Sample Matrix: Ground Water

Sample Flags: PR-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	2.0	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Acrylonitrile	ND	5.0	0.55	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Benzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Bromobenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Bromochloromethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Bromodichloromethane	ND	0.50	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Bromoform	ND	1.0	0.38	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Bromomethane	ND	5.0	1.5	µg/L	1	V-34	SW-846 8260D	4/11/22	4/11/22 13:48	LBD
2-Butanone (MEK)	ND	20	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
tert-Butyl Alcohol (TBA)	ND	20	4.7	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
sec-Butylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
tert-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Carbon Disulfide	ND	5.0	1.4	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Chlorobenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Chlorodibromomethane	ND	0.50	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Chloroethane	ND	2.0	0.32	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Chloroform	ND	2.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Chloromethane	ND	2.0	0.52	µg/L	1	V-05, V-34	SW-846 8260D	4/11/22	4/11/22 13:48	LBD
2-Chlorotoluene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
4-Chlorotoluene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.80	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2-Dibromoethane (EDB)	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Dibromomethane	ND	1.0	0.35	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,3-Dichlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	1.6	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2-Dichloroethane	ND	1.0	0.31	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
cis-1,2-Dichloroethylene	ND	1.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2-Dichloropropane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,3-Dichloropropane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
2,2-Dichloropropane	ND	1.0	0.33	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1-Dichloropropene	ND	2.0	0.15	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
trans-1,3-Dichloropropene	ND	0.50	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Diethyl Ether	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0541

Date Received: 4/8/2022

Field Sample #: Trip Blank | Sampled: 4/6/2022 15:30

Sample ID: 22D0541-20

Sample Matrix: Ground Water

Sample Flags: PR-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,4-Dioxane	ND	50	21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Ethylbenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Hexachlorobutadiene	ND	0.60	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
2-Hexanone (MBK)	ND	10	1.1	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Isopropylbenzene (Cumene)	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.097	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Methyl Acetate	ND	1.0	0.45	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Methyl Cyclohexane	ND	1.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Methylene Chloride	ND	5.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Naphthalene	ND	2.0	0.24	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
n-Propylbenzene	ND	1.0	0.086	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Styrene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	0.13	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Tetrachloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Tetrahydrofuran	ND	10	0.49	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2,3-Trichlorobenzene	ND	5.0	0.30	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2,4-Trichlorobenzene	ND	1.0	0.25	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,3,5-Trichlorobenzene	ND	1.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1,1-Trichloroethane	ND	1.0	0.17	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1,2-Trichloroethane	ND	1.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Trichloroethylene	ND	1.0	0.19	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.18	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2,3-Trichloropropane	ND	2.0	0.28	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
1,3,5-Trimethylbenzene	ND	1.0	0.11	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
Vinyl Chloride	ND	2.0	0.21	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
m+p Xylene	ND	2.0	0.46	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD
o-Xylene	ND	1.0	0.23	µg/L	1		SW-846 8260D	4/11/22	4/11/22 13:48	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.2	70-130		4/11/22 13:48
Toluene-d8	94.4	70-130		4/11/22 13:48
4-Bromofluorobenzene	95.8	70-130		4/11/22 13:48

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Sample Extraction Data

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-01 [907017-MW-116S]	B305681	50.0	50.0	04/13/22
22D0541-02 [907017-MW-109S]	B305681	50.0	50.0	04/13/22
22D0541-03 [907017-MW-113S]	B305681	50.0	50.0	04/13/22
22D0541-04 [907017-DUP-04062022]	B305681	50.0	50.0	04/13/22
22D0541-05 [907017-MW-101]	B305681	50.0	50.0	04/13/22
22D0541-06 [907017-MW-117S]	B305681	50.0	50.0	04/13/22
22D0541-07 [907017-MW-118S]	B305681	50.0	50.0	04/13/22
22D0541-08 [907017-MW-114S]	B305681	50.0	50.0	04/13/22
22D0541-09 [907017-MW-115S]	B305681	50.0	50.0	04/13/22
22D0541-10 [907017-MW-102I]	B305681	50.0	50.0	04/13/22
22D0541-11 [907017-MW-102S]	B305681	50.0	50.0	04/13/22
22D0541-12 [907017-MW-117D]	B305681	50.0	50.0	04/13/22
22D0541-13 [907017-MW-117I]	B305681	50.0	50.0	04/13/22
22D0541-14 [907017-MW-109I]	B305681	50.0	50.0	04/13/22
22D0541-15 [907017-MW-109D]	B305681	50.0	50.0	04/13/22
22D0541-16 [907017-RB-04052022]	B305681	50.0	50.0	04/13/22
22D0541-17 [907017-FB-04052022]	B305681	50.0	50.0	04/13/22
22D0541-18 [907017-RB-04062022]	B305681	50.0	50.0	04/13/22

Prep Method: SW-846 3005A **Analytical Method: SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-19 [907017-FB-04062022]	B305691	50.0	50.0	04/13/22

Prep Method: SW-846 7470A Prep **Analytical Method: SW-846 7470A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-01 [907017-MW-116S]	B305414	10.0	10.0	04/10/22
22D0541-02 [907017-MW-109S]	B305414	10.0	10.0	04/10/22
22D0541-03 [907017-MW-113S]	B305414	10.0	10.0	04/10/22
22D0541-04 [907017-DUP-04062022]	B305414	10.0	10.0	04/10/22
22D0541-05 [907017-MW-101]	B305414	10.0	10.0	04/10/22
22D0541-06 [907017-MW-117S]	B305414	10.0	10.0	04/10/22
22D0541-07 [907017-MW-118S]	B305414	10.0	10.0	04/10/22
22D0541-08 [907017-MW-114S]	B305414	10.0	10.0	04/10/22
22D0541-09 [907017-MW-115S]	B305414	10.0	10.0	04/10/22
22D0541-10 [907017-MW-102I]	B305414	10.0	10.0	04/10/22
22D0541-11 [907017-MW-102S]	B305414	10.0	10.0	04/10/22
22D0541-12 [907017-MW-117D]	B305414	10.0	10.0	04/10/22
22D0541-13 [907017-MW-117I]	B305414	10.0	10.0	04/10/22
22D0541-14 [907017-MW-109I]	B305414	10.0	10.0	04/10/22
22D0541-15 [907017-MW-109D]	B305414	10.0	10.0	04/10/22
22D0541-16 [907017-RB-04052022]	B305414	10.0	10.0	04/10/22
22D0541-17 [907017-FB-04052022]	B305414	10.0	10.0	04/10/22
22D0541-18 [907017-RB-04062022]	B305414	10.0	10.0	04/10/22
22D0541-19 [907017-FB-04062022]	B305414	10.0	10.0	04/10/22

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-01 [907017-MW-116S]	B305454	5	5.00	04/11/22

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-02 [907017-MW-109S]	B305454	5	5.00	04/11/22
22D0541-03 [907017-MW-113S]	B305454	5	5.00	04/11/22
22D0541-04 [907017-DUP-04062022]	B305454	5	5.00	04/11/22
22D0541-05 [907017-MW-101]	B305454	5	5.00	04/11/22
22D0541-06 [907017-MW-117S]	B305454	5	5.00	04/11/22
22D0541-07 [907017-MW-118S]	B305454	5	5.00	04/11/22
22D0541-08 [907017-MW-114S]	B305454	5	5.00	04/11/22
22D0541-09 [907017-MW-115S]	B305454	5	5.00	04/11/22
22D0541-10 [907017-MW-102I]	B305454	5	5.00	04/11/22
22D0541-11 [907017-MW-102S]	B305454	5	5.00	04/11/22
22D0541-12 [907017-MW-117D]	B305454	5	5.00	04/11/22
22D0541-13 [907017-MW-117I]	B305454	5	5.00	04/11/22
22D0541-14 [907017-MW-109I]	B305454	5	5.00	04/11/22
22D0541-15 [907017-MW-109D]	B305454	5	5.00	04/11/22
22D0541-16 [907017-RB-04052022]	B305454	5	5.00	04/11/22
22D0541-17 [907017-FB-04052022]	B305454	5	5.00	04/11/22
22D0541-18 [907017-RB-04062022]	B305454	5	5.00	04/11/22
22D0541-19 [907017-FB-04062022]	B305454	5	5.00	04/11/22
22D0541-20 [Trip Blank]	B305454	5	5.00	04/11/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-03 [907017-MW-113S]	B305535	1040	1.00	04/12/22
22D0541-04 [907017-DUP-04062022]	B305535	1040	1.00	04/12/22
22D0541-05 [907017-MW-101]	B305535	1040	1.00	04/12/22
22D0541-08 [907017-MW-114S]	B305535	1040	1.00	04/12/22
22D0541-09 [907017-MW-115S]	B305535	1040	1.00	04/12/22
22D0541-10 [907017-MW-102I]	B305535	900	1.00	04/12/22
22D0541-11 [907017-MW-102S]	B305535	1030	1.00	04/12/22
22D0541-12 [907017-MW-117D]	B305535	990	1.00	04/12/22
22D0541-13 [907017-MW-117I]	B305535	1020	1.00	04/12/22
22D0541-16 [907017-RB-04052022]	B305535	1000	1.00	04/12/22
22D0541-17 [907017-FB-04052022]	B305535	1030	1.00	04/12/22

Prep Method: SW-846 3510C **Analytical Method: SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0541-01 [907017-MW-116S]	B305646	1020	1.00	04/13/22
22D0541-02 [907017-MW-109S]	B305646	1040	1.00	04/13/22
22D0541-06 [907017-MW-117S]	B305646	1050	1.00	04/13/22
22D0541-07 [907017-MW-118S]	B305646	1060	1.00	04/13/22
22D0541-14 [907017-MW-109I]	B305646	1040	1.00	04/13/22
22D0541-15 [907017-MW-109D]	B305646	1000	1.00	04/13/22
22D0541-18 [907017-RB-04062022]	B305646	1050	1.00	04/13/22
22D0541-19 [907017-FB-04062022]	B305646	1060	1.00	04/13/22

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305454 - SW-846 5030B										
Blank (B305454-BLK1)				Prepared & Analyzed: 04/11/22						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B305454 - SW-846 5030B												
Blank (B305454-BLK1)				Prepared & Analyzed: 04/11/22								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L									
Methyl Cyclohexane	ND	1.0	µg/L									
Methylene Chloride	ND	5.0	µg/L									
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L									
Naphthalene	ND	2.0	µg/L									
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L									
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L									
1,2,4-Trichlorobenzene	ND	1.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*23.1*		µg/L	25.0		92.3		70-130				
Surrogate: Toluene-d8	*23.5*		µg/L	25.0		94.0		70-130				
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.0		70-130				
LCS (B305454-BS1)				Prepared & Analyzed: 04/11/22								
Acetone	103	50	µg/L	100		103		70-160				†
Acrylonitrile	11.0	5.0	µg/L	10.0		110		70-130				
tert-Amyl Methyl Ether (TAME)	10.5	0.50	µg/L	10.0		105		70-130				
Benzene	10.1	1.0	µg/L	10.0		101		70-130				
Bromobenzene	10.8	1.0	µg/L	10.0		108		70-130				
Bromochloromethane	12.9	1.0	µg/L	10.0		129		70-130			V-20	
Bromodichloromethane	10.4	0.50	µg/L	10.0		104		70-130				
Bromoform	12.2	1.0	µg/L	10.0		122		70-130			V-20	
Bromomethane	18.5	2.0	µg/L	10.0		**185**	*	40-160			L-02, V-20, V-34	†
2-Butanone (MEK)	100	20	µg/L	100		100		40-160				†
tert-Butyl Alcohol (TBA)	110	20	µg/L	100		110		40-160				†
n-Butylbenzene	9.94	1.0	µg/L	10.0		99.4		70-130				
sec-Butylbenzene	9.60	1.0	µg/L	10.0		96.0		70-130				
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
tert-Butyl Ethyl Ether (TBEE)	10.0	0.50	µg/L	10.0		100		70-130				
Carbon Disulfide	102	5.0	µg/L	100		102		70-130				
Carbon Tetrachloride	11.5	5.0	µg/L	10.0		115		70-130				
Chlorobenzene	11.4	1.0	µg/L	10.0		114		70-130				
Chlorodibromomethane	11.2	0.50	µg/L	10.0		112		70-130				
Chloroethane	11.2	2.0	µg/L	10.0		112		70-130				
Chloroform	10.6	2.0	µg/L	10.0		106		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B305454 - SW-846 5030B											
LCS (B305454-BS1)				Prepared & Analyzed: 04/11/22							
Chloromethane	4.70	2.0	µg/L	10.0		47.0	40-160			V-05, V-34	†
2-Chlorotoluene	10.9	1.0	µg/L	10.0		109	70-130				
4-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.79	5.0	µg/L	10.0		97.9	70-130				
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107	70-130				
Dibromomethane	11.4	1.0	µg/L	10.0		114	70-130				
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130				
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130				
Dichlorodifluoromethane (Freon 12)	9.91	2.0	µg/L	10.0		99.1	40-160				†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130				
1,2-Dichloroethane	11.2	1.0	µg/L	10.0		112	70-130				
1,1-Dichloroethylene	11.8	1.0	µg/L	10.0		118	70-130				
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130				
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116	70-130				
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichloropropane	10.3	0.50	µg/L	10.0		103	70-130				
2,2-Dichloropropane	10.3	1.0	µg/L	10.0		103	40-130				†
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130				
cis-1,3-Dichloropropene	9.73	0.50	µg/L	10.0		97.3	70-130				
trans-1,3-Dichloropropene	9.60	0.50	µg/L	10.0		96.0	70-130				
Diethyl Ether	10.6	2.0	µg/L	10.0		106	70-130				
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130				
1,4-Dioxane	104	50	µg/L	100		104	40-130				†
Ethylbenzene	11.1	1.0	µg/L	10.0		111	70-130				
Hexachlorobutadiene	9.96	0.60	µg/L	10.0		99.6	70-130				
2-Hexanone (MBK)	104	10	µg/L	100		104	70-160				†
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112	70-130				
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130				
Methyl Acetate	9.65	1.0	µg/L	10.0		96.5	70-130				
Methyl tert-Butyl Ether (MTBE)	10.5	1.0	µg/L	10.0		105	70-130				
Methyl Cyclohexane	10.0	1.0	µg/L	10.0		100	70-130				
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130				
4-Methyl-2-pentanone (MIBK)	107	10	µg/L	100		107	70-160				†
Naphthalene	8.74	2.0	µg/L	10.0		87.4	40-130				†
n-Propylbenzene	11.0	1.0	µg/L	10.0		110	70-130				
Styrene	11.3	1.0	µg/L	10.0		113	70-130				
1,1,1,2-Tetrachloroethane	11.9	1.0	µg/L	10.0		119	70-130				
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106	70-130				
Tetrachloroethylene	12.0	1.0	µg/L	10.0		120	70-130			V-20	
Tetrahydrofuran	10.5	10	µg/L	10.0		105	70-130				
Toluene	10.7	1.0	µg/L	10.0		107	70-130				
1,2,3-Trichlorobenzene	9.23	5.0	µg/L	10.0		92.3	70-130				
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130				
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0		111	70-130				
1,1,2-Trichloroethane	10.8	1.0	µg/L	10.0		108	70-130				
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130				
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0		106	70-130				
1,2,3-Trichloropropane	11.6	2.0	µg/L	10.0		116	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B305454 - SW-846 5030B												
LCS (B305454-BS1)				Prepared & Analyzed: 04/11/22								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3	1.0	µg/L	10.0		113		70-130				
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
1,3,5-Trimethylbenzene	11.4	1.0	µg/L	10.0		114		70-130				
Vinyl Chloride	10.6	2.0	µg/L	10.0		106		40-160				†
m+p Xylene	22.9	2.0	µg/L	20.0		115		70-130				
o-Xylene	11.0	1.0	µg/L	10.0		110		70-130				
Surrogate: 1,2-Dichloroethane-d4	*22.4*		µg/L	25.0		89.4		70-130				
Surrogate: Toluene-d8	*23.2*		µg/L	25.0		92.6		70-130				
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.2		70-130				
LCS Dup (B305454-BSD1)				Prepared & Analyzed: 04/11/22								
Acetone	102	50	µg/L	100		102		70-160	1.29	25		†
Acrylonitrile	10.4	5.0	µg/L	10.0		104		70-130	5.62	25		
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104		70-130	0.670	25		
Benzene	9.82	1.0	µg/L	10.0		98.2		70-130	3.11	25		
Bromobenzene	10.6	1.0	µg/L	10.0		106		70-130	2.06	25		
Bromochloromethane	12.4	1.0	µg/L	10.0		124		70-130	3.86	25	V-20	
Bromodichloromethane	10.7	0.50	µg/L	10.0		107		70-130	2.55	25		
Bromoform	11.9	1.0	µg/L	10.0		119		70-130	2.08	25	V-20	
Bromomethane	18.9	2.0	µg/L	10.0		**189**	*	40-160	1.98	25	L-02, V-20, V-34	†
2-Butanone (MEK)	97.5	20	µg/L	100		97.5		40-160	2.69	25		†
tert-Butyl Alcohol (TBA)	105	20	µg/L	100		105		40-160	4.61	25		†
n-Butylbenzene	9.31	1.0	µg/L	10.0		93.1		70-130	6.55	25		
sec-Butylbenzene	9.25	1.0	µg/L	10.0		92.5		70-130	3.71	25		
tert-Butylbenzene	9.74	1.0	µg/L	10.0		97.4		70-130	3.33	25		
tert-Butyl Ethyl Ether (TBEE)	9.96	0.50	µg/L	10.0		99.6		70-130	0.900	25		
Carbon Disulfide	101	5.0	µg/L	100		101		70-130	1.37	25		
Carbon Tetrachloride	11.4	5.0	µg/L	10.0		114		70-130	1.40	25		
Chlorobenzene	11.2	1.0	µg/L	10.0		112		70-130	2.48	25		
Chlorodibromomethane	11.4	0.50	µg/L	10.0		114		70-130	1.76	25		
Chloroethane	10.9	2.0	µg/L	10.0		109		70-130	3.17	25		
Chloroform	10.6	2.0	µg/L	10.0		106		70-130	0.188	25		
Chloromethane	4.69	2.0	µg/L	10.0		46.9		40-160	0.213	25	V-05, V-34	†
2-Chlorotoluene	10.7	1.0	µg/L	10.0		107		70-130	1.30	25		
4-Chlorotoluene	10.9	1.0	µg/L	10.0		109		70-130	0.731	25		
1,2-Dibromo-3-chloropropane (DBCP)	9.02	5.0	µg/L	10.0		90.2		70-130	8.19	25		
1,2-Dibromoethane (EDB)	11.0	0.50	µg/L	10.0		110		70-130	3.32	25		
Dibromomethane	11.3	1.0	µg/L	10.0		113		70-130	0.878	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104		70-130	6.88	25		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104		70-130	0.384	25		
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	0.0950	25		
trans-1,4-Dichloro-2-butene	10.6	2.0	µg/L	10.0		106		70-130	0.569	25		
Dichlorodifluoromethane (Freon 12)	9.94	2.0	µg/L	10.0		99.4		40-160	0.302	25		†
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104		70-130	1.81	25		
1,2-Dichloroethane	11.4	1.0	µg/L	10.0		114		70-130	1.51	25		
1,1-Dichloroethylene	12.0	1.0	µg/L	10.0		120		70-130	1.68	25		
cis-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108		70-130	1.65	25		
trans-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130	5.41	25		
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109		70-130	2.23	25		
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106		70-130	2.86	25		
2,2-Dichloropropane	10.2	1.0	µg/L	10.0		102		40-130	1.46	25		†
1,1-Dichloropropene	10.5	2.0	µg/L	10.0		105		70-130	1.33	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B305454 - SW-846 5030B												
LCS Dup (B305454-BSD1)				Prepared & Analyzed: 04/11/22								
cis-1,3-Dichloropropene	9.99	0.50	µg/L	10.0		99.9		70-130	2.64	25		
trans-1,3-Dichloropropene	9.75	0.50	µg/L	10.0		97.5		70-130	1.55	25		
Diethyl Ether	10.1	2.0	µg/L	10.0		101		70-130	4.93	25		
Diisopropyl Ether (DIPE)	10.0	0.50	µg/L	10.0		100		70-130	1.59	25		
1,4-Dioxane	111	50	µg/L	100		111		40-130	6.53	50		† ‡
Ethylbenzene	10.9	1.0	µg/L	10.0		109		70-130	2.18	25		
Hexachlorobutadiene	10.0	0.60	µg/L	10.0		100		70-130	0.601	25		
2-Hexanone (MBK)	103	10	µg/L	100		103		70-160	0.444	25		†
Isopropylbenzene (Cumene)	11.0	1.0	µg/L	10.0		110		70-130	1.81	25		
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101		70-130	0.892	25		
Methyl Acetate	9.55	1.0	µg/L	10.0		95.5		70-130	1.04	25		
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103		70-130	2.50	25		
Methyl Cyclohexane	10.1	1.0	µg/L	10.0		101		70-130	1.19	25		
Methylene Chloride	10.5	5.0	µg/L	10.0		105		70-130	0.0957	25		
4-Methyl-2-pentanone (MIBK)	108	10	µg/L	100		108		70-160	0.566	25		†
Naphthalene	8.74	2.0	µg/L	10.0		87.4		40-130	0.00	25		†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106		70-130	3.25	25		
Styrene	11.1	1.0	µg/L	10.0		111		70-130	1.79	25		
1,1,1,2-Tetrachloroethane	12.2	1.0	µg/L	10.0		122		70-130	2.07	25		
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106		70-130	0.661	25		
Tetrachloroethylene	12.4	1.0	µg/L	10.0		124		70-130	3.27	25	V-20	
Tetrahydrofuran	10.2	10	µg/L	10.0		102		70-130	2.62	25		
Toluene	10.9	1.0	µg/L	10.0		109		70-130	1.67	25		
1,2,3-Trichlorobenzene	9.39	5.0	µg/L	10.0		93.9		70-130	1.72	25		
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103		70-130	1.67	25		
1,3,5-Trichlorobenzene	9.90	1.0	µg/L	10.0		99.0		70-130	3.67	25		
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109		70-130	1.73	25		
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109		70-130	1.29	25		
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130	1.97	25		
Trichlorofluoromethane (Freon 11)	10.0	2.0	µg/L	10.0		100		70-130	5.35	25		
1,2,3-Trichloropropane	11.6	2.0	µg/L	10.0		116		70-130	0.0863	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5	1.0	µg/L	10.0		115		70-130	1.49	25		
1,2,4-Trimethylbenzene	9.86	1.0	µg/L	10.0		98.6		70-130	3.78	25		
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.0		110		70-130	3.50	25		
Vinyl Chloride	10.5	2.0	µg/L	10.0		105		40-160	0.379	25		†
m+p Xylene	22.5	2.0	µg/L	20.0		112		70-130	1.98	25		
o-Xylene	10.9	1.0	µg/L	10.0		109		70-130	0.825	25		
Surrogate: 1,2-Dichloroethane-d4	*22.8*		µg/L	25.0		91.4		70-130				
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		96.0		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.8		70-130				
Matrix Spike (B305454-MS1)	**Source: 22D0541-15**			Prepared & Analyzed: 04/11/22								
Acetone	95.6	50	µg/L	100	ND	95.6		70-130				
Acrylonitrile	9.59	5.0	µg/L	10.0	ND	95.9		70-130				
tert-Amyl Methyl Ether (TAME)	9.41	0.50	µg/L	10.0	ND	94.1		70-130				
Benzene	9.90	1.0	µg/L	10.0	ND	99.0		70-130				
Bromobenzene	10.4	1.0	µg/L	10.0	ND	104		70-130				
Bromochloromethane	11.8	1.0	µg/L	10.0	ND	118		70-130				
Bromodichloromethane	10.4	0.50	µg/L	10.0	ND	104		70-130				
Bromoform	11.3	1.0	µg/L	10.0	ND	113		70-130				
Bromomethane	16.8	2.0	µg/L	10.0	ND	**168**	*	70-130			MS-15	
2-Butanone (MEK)	89.6	20	µg/L	100	ND	89.6		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305454 - SW-846 5030B											
Matrix Spike (B305454-MS1)	**Source: 22D0541-15**			Prepared & Analyzed: 04/11/22							
tert-Butyl Alcohol (TBA)	101	20	µg/L	100	ND	101		70-130			
n-Butylbenzene	8.79	1.0	µg/L	10.0	ND	87.9		70-130			
sec-Butylbenzene	9.39	1.0	µg/L	10.0	ND	93.9		70-130			
tert-Butylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130			
tert-Butyl Ethyl Ether (TBEE)	9.24	0.50	µg/L	10.0	ND	92.4		70-130			
Carbon Disulfide	97.3	5.0	µg/L	100	ND	97.3		70-130			
Carbon Tetrachloride	11.5	5.0	µg/L	10.0	ND	115		70-130			
Chlorobenzene	11.1	1.0	µg/L	10.0	ND	111		70-130			
Chlorodibromomethane	10.7	0.50	µg/L	10.0	ND	107		70-130			
Chloroethane	11.1	2.0	µg/L	10.0	ND	111		70-130			
Chloroform	10.2	2.0	µg/L	10.0	ND	102		70-130			
Chloromethane	4.84	2.0	µg/L	10.0	ND	**48.4**	*	70-130			MS-09
2-Chlorotoluene	10.8	1.0	µg/L	10.0	ND	108		70-130			
4-Chlorotoluene	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.91	5.0	µg/L	10.0	ND	89.1		70-130			
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0	ND	102		70-130			
Dibromomethane	10.4	1.0	µg/L	10.0	ND	104		70-130			
1,2-Dichlorobenzene	9.94	1.0	µg/L	10.0	ND	99.4		70-130			
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130			
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.0	ND	99.8		70-130			
trans-1,4-Dichloro-2-butene	8.74	2.0	µg/L	10.0	ND	87.4		70-130			
Dichlorodifluoromethane (Freon 12)	9.66	2.0	µg/L	10.0	ND	96.6		70-130			
1,1-Dichloroethane	10.2	1.0	µg/L	10.0	ND	102		70-130			
1,2-Dichloroethane	11.1	1.0	µg/L	10.0	ND	111		70-130			
1,1-Dichloroethylene	11.8	1.0	µg/L	10.0	ND	118		70-130			
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130			
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,2-Dichloropropane	10.2	1.0	µg/L	10.0	ND	102		70-130			
1,3-Dichloropropane	9.77	0.50	µg/L	10.0	ND	97.7		70-130			
2,2-Dichloropropane	7.65	1.0	µg/L	10.0	ND	76.5		70-130			
1,1-Dichloropropene	10.1	2.0	µg/L	10.0	ND	101		70-130			
cis-1,3-Dichloropropene	8.74	0.50	µg/L	10.0	ND	87.4		70-130			
trans-1,3-Dichloropropene	8.61	0.50	µg/L	10.0	ND	86.1		70-130			
Diethyl Ether	9.66	2.0	µg/L	10.0	ND	96.6		70-130			
Diisopropyl Ether (DIPE)	9.26	0.50	µg/L	10.0	ND	92.6		70-130			
1,4-Dioxane	100	50	µg/L	100	ND	100		70-130			
Ethylbenzene	11.0	1.0	µg/L	10.0	ND	110		70-130			
Hexachlorobutadiene	8.60	0.60	µg/L	10.0	ND	86.0		70-130			
2-Hexanone (MBK)	96.0	10	µg/L	100	ND	96.0		70-130			
Isopropylbenzene (Cumene)	11.0	1.0	µg/L	10.0	ND	110		70-130			
p-Isopropyltoluene (p-Cymene)	9.69	1.0	µg/L	10.0	ND	96.9		70-130			
Methyl Acetate	7.05	1.0	µg/L	10.0	ND	70.5		70-130			
Methyl tert-Butyl Ether (MTBE)	9.35	1.0	µg/L	10.0	ND	93.5		70-130			
Methyl Cyclohexane	9.99	1.0	µg/L	10.0	ND	99.9		70-130			
Methylene Chloride	9.90	5.0	µg/L	10.0	ND	99.0		70-130			
4-Methyl-2-pentanone (MIBK)	99.8	10	µg/L	100	ND	99.8		70-130			
Naphthalene	7.40	2.0	µg/L	10.0	ND	74.0		70-130			
n-Propylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130			
Styrene	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,1,1,2-Tetrachloroethane	11.7	1.0	µg/L	10.0	ND	117		70-130			
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0	ND	102		70-130			
Tetrachloroethylene	12.2	1.0	µg/L	10.0	ND	122		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305454 - SW-846 5030B											
Matrix Spike (B305454-MS1)		**Source: 22D0541-15**		Prepared & Analyzed: 04/11/22							
Tetrahydrofuran	9.40	10	µg/L	10.0	ND	94.0		70-130			J
Toluene	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,2,3-Trichlorobenzene	8.12	5.0	µg/L	10.0	ND	81.2		70-130			
1,2,4-Trichlorobenzene	8.88	1.0	µg/L	10.0	ND	88.8		70-130			
1,3,5-Trichlorobenzene	8.97	1.0	µg/L	10.0	ND	89.7		70-130			
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0	ND	112		70-130			
1,1,2-Trichloroethane	9.98	1.0	µg/L	10.0	ND	99.8		70-130			
Trichloroethylene	11.2	1.0	µg/L	10.0	ND	112		70-130			
Trichlorofluoromethane (Freon 11)	10.6	2.0	µg/L	10.0	ND	106		70-130			
1,2,3-Trichloropropane	10.7	2.0	µg/L	10.0	ND	107		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0	ND	111		70-130			
1,2,4-Trimethylbenzene	9.77	1.0	µg/L	10.0	ND	97.7		70-130			
1,3,5-Trimethylbenzene	10.9	1.0	µg/L	10.0	ND	109		70-130			
Vinyl Chloride	10.5	2.0	µg/L	10.0	ND	105		70-130			
m+p Xylene	22.5	2.0	µg/L	20.0	ND	113		70-130			
o-Xylene	10.8	1.0	µg/L	10.0	ND	108		70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.0*		µg/L	25.0		87.9		70-130			
Surrogate: Toluene-d8	*23.5*		µg/L	25.0		93.8		70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.8		70-130			
Matrix Spike Dup (B305454-MSD1)		**Source: 22D0541-15**		Prepared & Analyzed: 04/11/22							
Acetone	92.4	50	µg/L	100	ND	92.4		70-130	3.38	30	
Acrylonitrile	9.33	5.0	µg/L	10.0	ND	93.3		70-130	2.75	30	
tert-Amyl Methyl Ether (TAME)	9.41	0.50	µg/L	10.0	ND	94.1		70-130	0.00	30	
Benzene	9.69	1.0	µg/L	10.0	ND	96.9		70-130	2.14	30	
Bromobenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	2.24	30	
Bromochloromethane	11.5	1.0	µg/L	10.0	ND	115		70-130	2.66	30	
Bromodichloromethane	10.2	0.50	µg/L	10.0	ND	102		70-130	1.55	30	
Bromoform	10.7	1.0	µg/L	10.0	ND	107		70-130	5.74	30	
Bromomethane	17.0	2.0	µg/L	10.0	ND	**170**	*	70-130	0.887	30	MS-15
2-Butanone (MEK)	87.9	20	µg/L	100	ND	87.9		70-130	1.89	30	
tert-Butyl Alcohol (TBA)	98.5	20	µg/L	100	ND	98.5		70-130	2.75	30	
n-Butylbenzene	8.68	1.0	µg/L	10.0	ND	86.8		70-130	1.26	30	
sec-Butylbenzene	9.25	1.0	µg/L	10.0	ND	92.5		70-130	1.50	30	
tert-Butylbenzene	9.76	1.0	µg/L	10.0	ND	97.6		70-130	4.02	30	
tert-Butyl Ethyl Ether (TBEE)	9.37	0.50	µg/L	10.0	ND	93.7		70-130	1.40	30	
Carbon Disulfide	95.3	5.0	µg/L	100	ND	95.3		70-130	2.04	30	
Carbon Tetrachloride	11.3	5.0	µg/L	10.0	ND	113		70-130	1.66	30	
Chlorobenzene	10.8	1.0	µg/L	10.0	ND	108		70-130	2.55	30	
Chlorodibromomethane	10.5	0.50	µg/L	10.0	ND	105		70-130	1.89	30	
Chloroethane	10.7	2.0	µg/L	10.0	ND	107		70-130	3.58	30	
Chloroform	9.84	2.0	µg/L	10.0	ND	98.4		70-130	3.30	30	
Chloromethane	4.66	2.0	µg/L	10.0	ND	**46.6**	*	70-130	3.79	30	MS-09
2-Chlorotoluene	10.4	1.0	µg/L	10.0	ND	104		70-130	3.77	30	
4-Chlorotoluene	10.3	1.0	µg/L	10.0	ND	103		70-130	5.30	30	
1,2-Dibromo-3-chloropropane (DBCP)	7.98	5.0	µg/L	10.0	ND	79.8		70-130	11.0	30	
1,2-Dibromoethane (EDB)	9.71	0.50	µg/L	10.0	ND	97.1		70-130	5.41	30	
Dibromomethane	10.4	1.0	µg/L	10.0	ND	104		70-130	0.386	30	
1,2-Dichlorobenzene	9.71	1.0	µg/L	10.0	ND	97.1		70-130	2.34	30	
1,3-Dichlorobenzene	9.86	1.0	µg/L	10.0	ND	98.6		70-130	2.01	30	
1,4-Dichlorobenzene	9.72	1.0	µg/L	10.0	ND	97.2		70-130	2.64	30	
trans-1,4-Dichloro-2-butene	8.48	2.0	µg/L	10.0	ND	84.8		70-130	3.02	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305454 - SW-846 5030B											
Matrix Spike Dup (B305454-MSD1)	**Source: 22D0541-15**			Prepared & Analyzed: 04/11/22							
Dichlorodifluoromethane (Freon 12)	9.54	2.0	µg/L	10.0	ND	95.4		70-130	1.25	30	
1,1-Dichloroethane	10.0	1.0	µg/L	10.0	ND	100		70-130	1.87	30	
1,2-Dichloroethane	10.8	1.0	µg/L	10.0	ND	108		70-130	3.11	30	
1,1-Dichloroethylene	11.8	1.0	µg/L	10.0	ND	118		70-130	0.0848	30	
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130	0.199	30	
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0	ND	108		70-130	0.371	30	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0	ND	101		70-130	0.887	30	
1,3-Dichloropropane	9.83	0.50	µg/L	10.0	ND	98.3		70-130	0.612	30	
2,2-Dichloropropane	7.48	1.0	µg/L	10.0	ND	74.8		70-130	2.25	30	
1,1-Dichloropropene	10.2	2.0	µg/L	10.0	ND	102		70-130	0.197	30	
cis-1,3-Dichloropropene	8.68	0.50	µg/L	10.0	ND	86.8		70-130	0.689	30	
trans-1,3-Dichloropropene	8.39	0.50	µg/L	10.0	ND	83.9		70-130	2.59	30	
Diethyl Ether	9.44	2.0	µg/L	10.0	ND	94.4		70-130	2.30	30	
Diisopropyl Ether (DIPE)	9.03	0.50	µg/L	10.0	ND	90.3		70-130	2.52	30	
1,4-Dioxane	96.7	50	µg/L	100	ND	96.7		70-130	3.54	30	
Ethylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	2.68	30	
Hexachlorobutadiene	8.70	0.60	µg/L	10.0	ND	87.0		70-130	1.16	30	
2-Hexanone (MBK)	92.5	10	µg/L	100	ND	92.5		70-130	3.70	30	
Isopropylbenzene (Cumene)	10.7	1.0	µg/L	10.0	ND	107		70-130	3.31	30	
p-Isopropyltoluene (p-Cymene)	9.45	1.0	µg/L	10.0	ND	94.5		70-130	2.51	30	
Methyl Acetate	6.76	1.0	µg/L	10.0	ND	**67.6**	*	70-130	4.20	30	MS-24
Methyl tert-Butyl Ether (MTBE)	9.29	1.0	µg/L	10.0	ND	92.9		70-130	0.644	30	
Methyl Cyclohexane	9.56	1.0	µg/L	10.0	ND	95.6		70-130	4.40	30	
Methylene Chloride	9.56	5.0	µg/L	10.0	ND	95.6		70-130	3.49	30	
4-Methyl-2-pentanone (MIBK)	96.1	10	µg/L	100	ND	96.1		70-130	3.73	30	
Naphthalene	7.51	2.0	µg/L	10.0	ND	75.1		70-130	1.48	30	
n-Propylbenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	4.59	30	
Styrene	10.4	1.0	µg/L	10.0	ND	104		70-130	4.34	30	
1,1,1,2-Tetrachloroethane	11.5	1.0	µg/L	10.0	ND	115		70-130	2.41	30	
1,1,2,2-Tetrachloroethane	9.74	0.50	µg/L	10.0	ND	97.4		70-130	4.42	30	
Tetrachloroethylene	11.4	1.0	µg/L	10.0	ND	114		70-130	6.19	30	
Tetrahydrofuran	9.03	10	µg/L	10.0	ND	90.3		70-130	4.02	30	J
Toluene	10.4	1.0	µg/L	10.0	ND	104		70-130	2.00	30	
1,2,3-Trichlorobenzene	8.00	5.0	µg/L	10.0	ND	80.0		70-130	1.49	30	
1,2,4-Trichlorobenzene	8.63	1.0	µg/L	10.0	ND	86.3		70-130	2.86	30	
1,3,5-Trichlorobenzene	8.87	1.0	µg/L	10.0	ND	88.7		70-130	1.12	30	
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0	ND	105		70-130	6.39	30	
1,1,2-Trichloroethane	9.92	1.0	µg/L	10.0	ND	99.2		70-130	0.603	30	
Trichloroethylene	11.1	1.0	µg/L	10.0	ND	111		70-130	1.52	30	
Trichlorofluoromethane (Freon 11)	10.1	2.0	µg/L	10.0	ND	101		70-130	5.41	30	
1,2,3-Trichloropropane	10.4	2.0	µg/L	10.0	ND	104		70-130	2.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7	1.0	µg/L	10.0	ND	107		70-130	3.86	30	
1,2,4-Trimethylbenzene	9.60	1.0	µg/L	10.0	ND	96.0		70-130	1.76	30	
1,3,5-Trimethylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	2.04	30	
Vinyl Chloride	10.1	2.0	µg/L	10.0	ND	101		70-130	3.78	30	
m+p Xylene	21.6	2.0	µg/L	20.0	ND	108		70-130	4.45	20	
o-Xylene	10.4	1.0	µg/L	10.0	ND	104		70-130	3.58	30	
Surrogate: 1,2-Dichloroethane-d4	*21.5*		µg/L	25.0		86.0		70-130			
Surrogate: Toluene-d8	*23.5*		µg/L	25.0		93.9		70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305535 - SW-846 3510C										
Blank (B305535-BLK1)				Prepared: 04/12/22 Analyzed: 04/14/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							V-05
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							R-05, V-04, V-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305535 - SW-846 3510C										
Blank (B305535-BLK1)				Prepared: 04/12/22 Analyzed: 04/14/22						
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							
Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
Pyridine	ND	5.0	µg/L							
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	*78.8*		µg/L	200		39.4	15-110			
Surrogate: Phenol-d6	*55.3*		µg/L	200		27.6	15-110			
Surrogate: Nitrobenzene-d5	*68.5*		µg/L	100		68.5	30-130			
Surrogate: 2-Fluorobiphenyl	*67.7*		µg/L	100		67.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*167*		µg/L	200		83.3	15-110			
Surrogate: p-Terphenyl-d14	*75.2*		µg/L	100		75.2	30-130			
LCS (B305535-BS1)				Prepared: 04/12/22 Analyzed: 04/14/22						
Acenaphthene	41.9	5.0	µg/L	50.0		83.9	40-140			
Acenaphthylene	42.1	5.0	µg/L	50.0		84.1	40-140			
Acetophenone	38.3	10	µg/L	50.0		76.6	40-140			
Aniline	34.9	5.0	µg/L	50.0		69.9	40-140			V-05
Anthracene	45.6	5.0	µg/L	50.0		91.2	40-140			
Benzidine	66.6	20	µg/L	50.0		133	40-140			R-05, V-04, V-05, V-35
Benzo(a)anthracene	45.5	5.0	µg/L	50.0		90.9	40-140			
Benzo(a)pyrene	51.2	5.0	µg/L	50.0		102	40-140			
Benzo(b)fluoranthene	47.3	5.0	µg/L	50.0		94.5	40-140			
Benzo(g,h,i)perylene	51.4	5.0	µg/L	50.0		103	40-140			
Benzo(k)fluoranthene	50.6	5.0	µg/L	50.0		101	40-140			
Benzoic Acid	10.5	10	µg/L	50.0		21.0	10-130			†
Bis(2-chloroethoxy)methane	39.8	10	µg/L	50.0		79.5	40-140			
Bis(2-chloroethyl)ether	30.5	10	µg/L	50.0		61.0	40-140			V-05
Bis(2-chloroisopropyl)ether	33.8	10	µg/L	50.0		67.7	40-140			V-05
Bis(2-Ethylhexyl)phthalate	43.8	10	µg/L	50.0		87.7	40-140			
4-Bromophenylphenylether	41.8	10	µg/L	50.0		83.6	40-140			
Butylbenzylphthalate	42.0	10	µg/L	50.0		84.0	40-140			
Carbazole	46.0	10	µg/L	50.0		92.0	40-140			
4-Chloroaniline	41.9	10	µg/L	50.0		83.8	40-140			V-34
4-Chloro-3-methylphenol	41.5	10	µg/L	50.0		83.0	30-130			
2-Chloronaphthalene	37.8	10	µg/L	50.0		75.7	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305535 - SW-846 3510C										
LCS (B305535-BS1)				Prepared: 04/12/22 Analyzed: 04/14/22						
2-Chlorophenol	32.3	10	µg/L	50.0		64.5	30-130			
4-Chlorophenylphenylether	43.6	10	µg/L	50.0		87.3	40-140			
Chrysene	45.2	5.0	µg/L	50.0		90.3	40-140			
Dibenz(a,h)anthracene	48.4	5.0	µg/L	50.0		96.9	40-140			
Dibenzofuran	47.0	5.0	µg/L	50.0		93.9	40-140			
Di-n-butylphthalate	43.5	10	µg/L	50.0		87.0	40-140			
1,2-Dichlorobenzene	25.6	5.0	µg/L	50.0		51.3	40-140			
1,3-Dichlorobenzene	23.4	5.0	µg/L	50.0		46.9	40-140			
1,4-Dichlorobenzene	24.2	5.0	µg/L	50.0		48.4	40-140			
3,3-Dichlorobenzidine	46.8	10	µg/L	50.0		93.6	40-140			
2,4-Dichlorophenol	41.0	10	µg/L	50.0		81.9	30-130			
Diethylphthalate	44.2	10	µg/L	50.0		88.5	40-140			
2,4-Dimethylphenol	40.4	10	µg/L	50.0		80.8	30-130			
Dimethylphthalate	42.8	10	µg/L	50.0		85.6	40-140			
4,6-Dinitro-2-methylphenol	44.4	10	µg/L	50.0		88.9	30-130			
2,4-Dinitrophenol	40.4	10	µg/L	50.0		80.8	30-130			
2,4-Dinitrotoluene	48.0	10	µg/L	50.0		96.1	40-140			
2,6-Dinitrotoluene	47.8	10	µg/L	50.0		95.7	40-140			
Di-n-octylphthalate	43.2	10	µg/L	50.0		86.3	40-140			
1,2-Diphenylhydrazine/Azobenzene	44.2	10	µg/L	50.0		88.5	40-140			
Fluoranthene	46.2	5.0	µg/L	50.0		92.4	40-140			
Fluorene	45.0	5.0	µg/L	50.0		89.9	40-140			
Hexachlorobenzene	45.4	10	µg/L	50.0		90.8	40-140			
Hexachlorobutadiene	27.8	10	µg/L	50.0		55.6	40-140			
Hexachlorocyclopentadiene	31.4	10	µg/L	50.0		62.7	30-140			†
Hexachloroethane	21.8	10	µg/L	50.0		43.7	40-140			
Indeno(1,2,3-cd)pyrene	48.9	5.0	µg/L	50.0		97.8	40-140			
Isophorone	45.3	10	µg/L	50.0		90.6	40-140			
1-Methylnaphthalene	35.4	5.0	µg/L	50.0		70.9	40-140			
2-Methylnaphthalene	40.2	5.0	µg/L	50.0		80.3	40-140			
2-Methylphenol	34.7	10	µg/L	50.0		69.4	30-130			
3/4-Methylphenol	34.5	10	µg/L	50.0		69.0	30-130			
Naphthalene	34.0	5.0	µg/L	50.0		67.9	40-140			
2-Nitroaniline	53.8	10	µg/L	50.0		108	40-140			
3-Nitroaniline	44.1	10	µg/L	50.0		88.2	40-140			
4-Nitroaniline	48.1	10	µg/L	50.0		96.2	40-140			
Nitrobenzene	38.4	10	µg/L	50.0		76.9	40-140			
2-Nitrophenol	37.3	10	µg/L	50.0		74.6	30-130			
4-Nitrophenol	23.5	10	µg/L	50.0		47.1	10-130			†
N-Nitrosodimethylamine	22.2	10	µg/L	50.0		44.3	40-140			
N-Nitrosodiphenylamine/Diphenylamine	46.3	10	µg/L	50.0		92.6	40-140			
N-Nitrosodi-n-propylamine	39.2	10	µg/L	50.0		78.4	40-140			
Pentachloronitrobenzene	45.2	10	µg/L	50.0		90.4	40-140			
Pentachlorophenol	42.2	10	µg/L	50.0		84.3	30-130			
Phenanthrene	45.2	5.0	µg/L	50.0		90.4	40-140			
Phenol	16.0	10	µg/L	50.0		32.0	20-130			†
Pyrene	44.7	5.0	µg/L	50.0		89.3	40-140			
Pyridine	15.5	5.0	µg/L	50.0		31.0	10-140			†
1,2,4,5-Tetrachlorobenzene	39.9	10	µg/L	50.0		79.7	40-140			
1,2,4-Trichlorobenzene	31.4	5.0	µg/L	50.0		62.7	40-140			
2,4,5-Trichlorophenol	48.4	10	µg/L	50.0		96.9	30-130			
2,4,6-Trichlorophenol	45.8	10	µg/L	50.0		91.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B305535 - SW-846 3510C												
LCS (B305535-BS1)				Prepared: 04/12/22 Analyzed: 04/14/22								
Surrogate: 2-Fluorophenol	*89.9*		µg/L	200		44.9	15-110					
Surrogate: Phenol-d6	*71.2*		µg/L	200		35.6	15-110					
Surrogate: Nitrobenzene-d5	*81.6*		µg/L	100		81.6	30-130					
Surrogate: 2-Fluorobiphenyl	*91.8*		µg/L	100		91.8	30-130					
Surrogate: 2,4,6-Tribromophenol	*202*		µg/L	200		101	15-110					
Surrogate: p-Terphenyl-d14	*91.9*		µg/L	100		91.9	30-130					
LCS Dup (B305535-BSD1)				Prepared: 04/12/22 Analyzed: 04/14/22								
Acenaphthene	38.0	5.0	µg/L	50.0		76.0	40-140	9.88		20		
Acenaphthylene	37.8	5.0	µg/L	50.0		75.5	40-140	10.8		20		
Acetophenone	36.9	10	µg/L	50.0		73.8	40-140	3.72		20		
Aniline	34.9	5.0	µg/L	50.0		69.8	40-140	0.143		50	V-05	‡
Anthracene	42.0	5.0	µg/L	50.0		84.0	40-140	8.18		20		
Benzidine	25.4	20	µg/L	50.0		50.8	40-140	**89.6**	*	20	R-05, V-04, V-05, V-35	
Benzo(a)anthracene	42.3	5.0	µg/L	50.0		84.5	40-140	7.32		20		
Benzo(a)pyrene	47.0	5.0	µg/L	50.0		94.0	40-140	8.58		20		
Benzo(b)fluoranthene	44.0	5.0	µg/L	50.0		88.1	40-140	7.03		20		
Benzo(g,h,i)perylene	47.9	5.0	µg/L	50.0		95.8	40-140	6.93		20		
Benzo(k)fluoranthene	47.1	5.0	µg/L	50.0		94.2	40-140	7.19		20		
Benzoic Acid	13.7	10	µg/L	50.0		27.5	10-130	26.8		50		† ‡
Bis(2-chloroethoxy)methane	36.0	10	µg/L	50.0		72.0	40-140	9.87		20		
Bis(2-chloroethyl)ether	31.6	10	µg/L	50.0		63.2	40-140	3.41		20		
Bis(2-chloroisopropyl)ether	34.4	10	µg/L	50.0		68.9	40-140	1.73		20		
Bis(2-Ethylhexyl)phthalate	40.9	10	µg/L	50.0		81.9	40-140	6.84		20		
4-Bromophenylphenylether	38.9	10	µg/L	50.0		77.9	40-140	7.06		20		
Butylbenzylphthalate	39.5	10	µg/L	50.0		79.1	40-140	5.99		20		
Carbazole	43.2	10	µg/L	50.0		86.3	40-140	6.37		20		
4-Chloroaniline	40.6	10	µg/L	50.0		81.1	40-140	3.25		20	V-34	
4-Chloro-3-methylphenol	38.6	10	µg/L	50.0		77.2	30-130	7.27		20		
2-Chloronaphthalene	33.6	10	µg/L	50.0		67.1	40-140	12.0		20		
2-Chlorophenol	32.6	10	µg/L	50.0		65.1	30-130	0.925		20		
4-Chlorophenylphenylether	39.7	10	µg/L	50.0		79.3	40-140	9.53		20		
Chrysene	41.5	5.0	µg/L	50.0		82.9	40-140	8.52		20		
Dibenz(a,h)anthracene	45.5	5.0	µg/L	50.0		91.1	40-140	6.15		20		
Dibenzofuran	42.4	5.0	µg/L	50.0		84.7	40-140	10.3		20		
Di-n-butylphthalate	41.5	10	µg/L	50.0		83.1	40-140	4.68		20		
1,2-Dichlorobenzene	27.0	5.0	µg/L	50.0		54.0	40-140	5.28		20		
1,3-Dichlorobenzene	25.1	5.0	µg/L	50.0		50.2	40-140	6.76		20		
1,4-Dichlorobenzene	25.8	5.0	µg/L	50.0		51.7	40-140	6.43		20		
3,3-Dichlorobenzidine	43.4	10	µg/L	50.0		86.8	40-140	7.56		20		
2,4-Dichlorophenol	37.1	10	µg/L	50.0		74.2	30-130	9.94		20		
Diethylphthalate	41.7	10	µg/L	50.0		83.5	40-140	5.79		20		
2,4-Dimethylphenol	37.2	10	µg/L	50.0		74.4	30-130	8.32		20		
Dimethylphthalate	40.3	10	µg/L	50.0		80.7	40-140	5.94		50		‡
4,6-Dinitro-2-methylphenol	42.7	10	µg/L	50.0		85.4	30-130	3.97		50		‡
2,4-Dinitrophenol	40.3	10	µg/L	50.0		80.6	30-130	0.149		50		‡
2,4-Dinitrotoluene	45.6	10	µg/L	50.0		91.1	40-140	5.34		20		
2,6-Dinitrotoluene	44.8	10	µg/L	50.0		89.5	40-140	6.63		20		
Di-n-octylphthalate	41.2	10	µg/L	50.0		82.4	40-140	4.60		20		
1,2-Diphenylhydrazine/Azobenzene	40.7	10	µg/L	50.0		81.5	40-140	8.26		20		
Fluoranthene	43.5	5.0	µg/L	50.0		87.0	40-140	6.09		20		
Fluorene	41.0	5.0	µg/L	50.0		82.0	40-140	9.14		20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305535 - SW-846 3510C										
LCS Dup (B305535-BSD1)				Prepared: 04/12/22 Analyzed: 04/14/22						
Hexachlorobenzene	41.5	10	µg/L	50.0		83.0	40-140	9.07	20	
Hexachlorobutadiene	26.8	10	µg/L	50.0		53.7	40-140	3.44	20	
Hexachlorocyclopentadiene	27.8	10	µg/L	50.0		55.7	30-140	11.9	50	† ‡
Hexachloroethane	23.3	10	µg/L	50.0		46.6	40-140	6.47	50	‡
Indeno(1,2,3-cd)pyrene	45.1	5.0	µg/L	50.0		90.2	40-140	8.08	50	‡
Isophorone	41.8	10	µg/L	50.0		83.6	40-140	7.99	20	
1-Methylnaphthalene	32.6	5.0	µg/L	50.0		65.2	40-140	8.38	20	
2-Methylnaphthalene	36.4	5.0	µg/L	50.0		72.9	40-140	9.72	20	
2-Methylphenol	32.9	10	µg/L	50.0		65.9	30-130	5.23	20	
3/4-Methylphenol	32.4	10	µg/L	50.0		64.8	30-130	6.37	20	
Naphthalene	32.7	5.0	µg/L	50.0		65.4	40-140	3.84	20	
2-Nitroaniline	50.2	10	µg/L	50.0		100	40-140	6.88	20	
3-Nitroaniline	42.7	10	µg/L	50.0		85.4	40-140	3.20	20	
4-Nitroaniline	45.3	10	µg/L	50.0		90.5	40-140	6.04	20	
Nitrobenzene	37.0	10	µg/L	50.0		74.1	40-140	3.71	20	
2-Nitrophenol	35.7	10	µg/L	50.0		71.4	30-130	4.41	20	
4-Nitrophenol	22.6	10	µg/L	50.0		45.2	10-130	4.12	50	† ‡
N-Nitrosodimethylamine	23.9	10	µg/L	50.0		47.8	40-140	7.47	20	
N-Nitrosodiphenylamine/Diphenylamine	42.2	10	µg/L	50.0		84.3	40-140	9.36	20	
N-Nitrosodi-n-propylamine	36.3	10	µg/L	50.0		72.5	40-140	7.76	20	
Pentachloronitrobenzene	42.4	10	µg/L	50.0		84.8	40-140	6.42	20	
Pentachlorophenol	39.0	10	µg/L	50.0		77.9	30-130	7.92	50	‡
Phenanthrene	41.9	5.0	µg/L	50.0		83.8	40-140	7.65	20	
Phenol	15.8	10	µg/L	50.0		31.7	20-130	0.879	20	†
Pyrene	41.7	5.0	µg/L	50.0		83.3	40-140	6.95	20	
Pyridine	12.3	5.0	µg/L	50.0		24.6	10-140	23.0	50	† ‡
1,2,4,5-Tetrachlorobenzene	34.8	10	µg/L	50.0		69.6	40-140	13.6	20	
1,2,4-Trichlorobenzene	30.2	5.0	µg/L	50.0		60.4	40-140	3.67	20	
2,4,5-Trichlorophenol	44.6	10	µg/L	50.0		89.1	30-130	8.32	20	
2,4,6-Trichlorophenol	41.5	10	µg/L	50.0		82.9	30-130	9.95	50	‡
Surrogate: 2-Fluorophenol	*96.7*		µg/L	200		48.4	15-110			
Surrogate: Phenol-d6	*69.1*		µg/L	200		34.5	15-110			
Surrogate: Nitrobenzene-d5	*77.4*		µg/L	100		77.4	30-130			
Surrogate: 2-Fluorobiphenyl	*80.6*		µg/L	100		80.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*189*		µg/L	200		94.5	15-110			
Surrogate: p-Terphenyl-d14	*84.3*		µg/L	100		84.3	30-130			
Batch B305646 - SW-846 3510C										
Blank (B305646-BLK1)				Prepared: 04/13/22 Analyzed: 04/14/22						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							V-05
Anthracene	ND	5.0	µg/L							
Benzidine	ND	20	µg/L							V-04, V-05, V-35
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Benzoic Acid	ND	10	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C										
Blank (B305646-BLK1)				Prepared: 04/13/22 Analyzed: 04/14/22						
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
Carbazole	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							V-34
4-Chloro-3-methylphenol	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine/Azobenzene	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
1-Methylnaphthalene	ND	5.0	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
2-Nitroaniline	ND	10	µg/L							
3-Nitroaniline	ND	10	µg/L							
4-Nitroaniline	ND	10	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
N-Nitrosodimethylamine	ND	10	µg/L							
N-Nitrosodiphenylamine/Diphenylamine	ND	10	µg/L							
N-Nitrosodi-n-propylamine	ND	10	µg/L							
Pentachloronitrobenzene	ND	10	µg/L							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C											
Blank (B305646-BLK1)				Prepared: 04/13/22 Analyzed: 04/14/22							
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L								
Phenol	ND	10	µg/L								
Pyrene	ND	5.0	µg/L								
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L								
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L								
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*81.1*		µg/L	200		40.5		15-110			
Surrogate: Phenol-d6	*54.9*		µg/L	200		27.5		15-110			
Surrogate: Nitrobenzene-d5	*67.0*		µg/L	100		67.0		30-130			
Surrogate: 2-Fluorobiphenyl	*64.8*		µg/L	100		64.8		30-130			
Surrogate: 2,4,6-Tribromophenol	*164*		µg/L	200		81.9		15-110			
Surrogate: p-Terphenyl-d14	*71.3*		µg/L	100		71.3		30-130			
LCS (B305646-BS1)				Prepared: 04/13/22 Analyzed: 04/14/22							
Acenaphthene	42.1	5.0	µg/L	50.0		84.2		40-140			
Acenaphthylene	42.5	5.0	µg/L	50.0		85.0		40-140			
Acetophenone	40.4	10	µg/L	50.0		80.7		40-140			
Aniline	38.6	5.0	µg/L	50.0		77.2		40-140			V-05
Anthracene	46.1	5.0	µg/L	50.0		92.2		40-140			
Benzidine	95.9	20	µg/L	50.0		**192**	*	40-140			L-02, V-04, V-05, V-35
Benzo(a)anthracene	45.6	5.0	µg/L	50.0		91.2		40-140			
Benzo(a)pyrene	51.6	5.0	µg/L	50.0		103		40-140			
Benzo(b)fluoranthene	49.8	5.0	µg/L	50.0		99.6		40-140			
Benzo(g,h,i)perylene	39.7	5.0	µg/L	50.0		79.3		40-140			
Benzo(k)fluoranthene	52.7	5.0	µg/L	50.0		105		40-140			
Benzoic Acid	19.3	10	µg/L	50.0		38.6		10-130			†
Bis(2-chloroethoxy)methane	40.9	10	µg/L	50.0		81.8		40-140			
Bis(2-chloroethyl)ether	33.9	10	µg/L	50.0		67.8		40-140			
Bis(2-chloroisopropyl)ether	38.5	10	µg/L	50.0		77.0		40-140			
Bis(2-Ethylhexyl)phthalate	44.8	10	µg/L	50.0		89.7		40-140			
4-Bromophenylphenylether	43.4	10	µg/L	50.0		86.9		40-140			
Butylbenzylphthalate	42.8	10	µg/L	50.0		85.6		40-140			
Carbazole	46.6	10	µg/L	50.0		93.3		40-140			
4-Chloroaniline	45.9	10	µg/L	50.0		91.9		40-140			V-34
4-Chloro-3-methylphenol	41.1	10	µg/L	50.0		82.3		30-130			
2-Chloronaphthalene	39.2	10	µg/L	50.0		78.5		40-140			
2-Chlorophenol	34.5	10	µg/L	50.0		69.0		30-130			
4-Chlorophenylphenylether	43.6	10	µg/L	50.0		87.2		40-140			
Chrysene	44.3	5.0	µg/L	50.0		88.6		40-140			
Dibenz(a,h)anthracene	39.1	5.0	µg/L	50.0		78.2		40-140			
Dibenzofuran	46.7	5.0	µg/L	50.0		93.3		40-140			
Di-n-butylphthalate	44.3	10	µg/L	50.0		88.6		40-140			
1,2-Dichlorobenzene	28.6	5.0	µg/L	50.0		57.3		40-140			
1,3-Dichlorobenzene	26.1	5.0	µg/L	50.0		52.3		40-140			
1,4-Dichlorobenzene	27.0	5.0	µg/L	50.0		53.9		40-140			
3,3-Dichlorobenzidine	48.8	10	µg/L	50.0		97.7		40-140			
2,4-Dichlorophenol	41.4	10	µg/L	50.0		82.9		30-130			
Diethylphthalate	44.6	10	µg/L	50.0		89.1		40-140			
2,4-Dimethylphenol	41.0	10	µg/L	50.0		82.0		30-130			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C										
LCS (B305646-BS1)				Prepared: 04/13/22 Analyzed: 04/14/22						
Dimethylphthalate	42.8	10	µg/L	50.0		85.7	40-140			
4,6-Dinitro-2-methylphenol	43.8	10	µg/L	50.0		87.6	30-130			
2,4-Dinitrophenol	41.6	10	µg/L	50.0		83.3	30-130			
2,4-Dinitrotoluene	47.3	10	µg/L	50.0		94.6	40-140			
2,6-Dinitrotoluene	48.0	10	µg/L	50.0		95.9	40-140			
Di-n-octylphthalate	49.6	10	µg/L	50.0		99.1	40-140			
1,2-Diphenylhydrazine/Azobenzene	45.2	10	µg/L	50.0		90.5	40-140			
Fluoranthene	46.6	5.0	µg/L	50.0		93.3	40-140			
Fluorene	44.8	5.0	µg/L	50.0		89.6	40-140			
Hexachlorobenzene	45.4	10	µg/L	50.0		90.9	40-140			
Hexachlorobutadiene	28.6	10	µg/L	50.0		57.1	40-140			
Hexachlorocyclopentadiene	31.6	10	µg/L	50.0		63.3	30-140			†
Hexachloroethane	23.7	10	µg/L	50.0		47.4	40-140			
Indeno(1,2,3-cd)pyrene	38.6	5.0	µg/L	50.0		77.1	40-140			
Isophorone	46.5	10	µg/L	50.0		93.1	40-140			
1-Methylnaphthalene	35.9	5.0	µg/L	50.0		71.8	40-140			
2-Methylnaphthalene	41.1	5.0	µg/L	50.0		82.2	40-140			
2-Methylphenol	35.5	10	µg/L	50.0		71.0	30-130			
3/4-Methylphenol	34.7	10	µg/L	50.0		69.4	30-130			
Naphthalene	36.3	5.0	µg/L	50.0		72.7	40-140			
2-Nitroaniline	53.9	10	µg/L	50.0		108	40-140			
3-Nitroaniline	44.6	10	µg/L	50.0		89.2	40-140			
4-Nitroaniline	48.0	10	µg/L	50.0		95.9	40-140			
Nitrobenzene	40.5	10	µg/L	50.0		81.0	40-140			
2-Nitrophenol	38.5	10	µg/L	50.0		77.1	30-130			
4-Nitrophenol	22.7	10	µg/L	50.0		45.4	10-130			†
N-Nitrosodimethylamine	23.2	10	µg/L	50.0		46.4	40-140			
N-Nitrosodiphenylamine/Diphenylamine	46.3	10	µg/L	50.0		92.6	40-140			
N-Nitrosodi-n-propylamine	41.1	10	µg/L	50.0		82.3	40-140			
Pentachloronitrobenzene	47.5	10	µg/L	50.0		95.1	40-140			
Pentachlorophenol	43.9	10	µg/L	50.0		87.9	30-130			
Phenanthrene	46.0	5.0	µg/L	50.0		92.0	40-140			
Phenol	16.1	10	µg/L	50.0		32.1	20-130			†
Pyrene	45.8	5.0	µg/L	50.0		91.6	40-140			
Pyridine	16.0	5.0	µg/L	50.0		31.9	10-140			†
1,2,4,5-Tetrachlorobenzene	38.5	10	µg/L	50.0		77.0	40-140			
1,2,4-Trichlorobenzene	33.0	5.0	µg/L	50.0		65.9	40-140			
2,4,5-Trichlorophenol	48.2	10	µg/L	50.0		96.4	30-130			
2,4,6-Trichlorophenol	45.2	10	µg/L	50.0		90.4	30-130			
Surrogate: 2-Fluorophenol	*97.7*		µg/L	200		48.8	15-110			
Surrogate: Phenol-d6	*70.1*		µg/L	200		35.1	15-110			
Surrogate: Nitrobenzene-d5	*83.1*		µg/L	100		83.1	30-130			
Surrogate: 2-Fluorobiphenyl	*87.8*		µg/L	100		87.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*194*		µg/L	200		96.8	15-110			
Surrogate: p-Terphenyl-d14	*89.6*		µg/L	100		89.6	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B305646 - SW-846 3510C												
LCS Dup (B305646-BSD1)				Prepared: 04/13/22 Analyzed: 04/14/22								
Acenaphthene	37.3	5.0	µg/L	50.0		74.6		40-140	12.1	20		
Acenaphthylene	37.6	5.0	µg/L	50.0		75.3		40-140	12.1	20		
Acetophenone	36.0	10	µg/L	50.0		72.1		40-140	11.3	20		
Aniline	33.2	5.0	µg/L	50.0		66.5		40-140	14.9	50	V-05	‡
Anthracene	39.4	5.0	µg/L	50.0		78.7		40-140	15.8	20		
Benzidine	86.8	20	µg/L	50.0		**174**	*	40-140	9.92	20	L-02, V-04, V-05, V-35	
Benzo(a)anthracene	39.8	5.0	µg/L	50.0		79.7		40-140	13.5	20		
Benzo(a)pyrene	43.7	5.0	µg/L	50.0		87.3		40-140	16.6	20		
Benzo(b)fluoranthene	42.2	5.0	µg/L	50.0		84.4		40-140	16.5	20		
Benzo(g,h,i)perylene	34.7	5.0	µg/L	50.0		69.4		40-140	13.4	20		
Benzo(k)fluoranthene	44.5	5.0	µg/L	50.0		89.0		40-140	16.9	20		
Benzoic Acid	15.7	10	µg/L	50.0		31.3		10-130	20.8	50		† ‡
Bis(2-chloroethoxy)methane	35.2	10	µg/L	50.0		70.4		40-140	15.0	20		
Bis(2-chloroethyl)ether	31.0	10	µg/L	50.0		61.9		40-140	9.04	20		
Bis(2-chloroisopropyl)ether	34.3	10	µg/L	50.0		68.5		40-140	11.6	20		
Bis(2-Ethylhexyl)phthalate	38.4	10	µg/L	50.0		76.8		40-140	15.5	20		
4-Bromophenylphenylether	37.2	10	µg/L	50.0		74.4		40-140	15.5	20		
Butylbenzylphthalate	36.8	10	µg/L	50.0		73.5		40-140	15.1	20		
Carbazole	39.8	10	µg/L	50.0		79.6		40-140	15.8	20		
4-Chloroaniline	39.8	10	µg/L	50.0		79.6		40-140	14.4	20	V-34	
4-Chloro-3-methylphenol	35.6	10	µg/L	50.0		71.1		30-130	14.5	20		
2-Chloronaphthalene	33.0	10	µg/L	50.0		65.9		40-140	17.4	20		
2-Chlorophenol	31.4	10	µg/L	50.0		62.8		30-130	9.50	20		
4-Chlorophenylphenylether	38.8	10	µg/L	50.0		77.6		40-140	11.6	20		
Chrysene	39.0	5.0	µg/L	50.0		78.1		40-140	12.6	20		
Dibenz(a,h)anthracene	35.1	5.0	µg/L	50.0		70.3		40-140	10.7	20		
Dibenzofuran	41.2	5.0	µg/L	50.0		82.4		40-140	12.5	20		
Di-n-butylphthalate	37.6	10	µg/L	50.0		75.2		40-140	16.3	20		
1,2-Dichlorobenzene	28.2	5.0	µg/L	50.0		56.3		40-140	1.73	20		
1,3-Dichlorobenzene	26.0	5.0	µg/L	50.0		52.1		40-140	0.383	20		
1,4-Dichlorobenzene	26.8	5.0	µg/L	50.0		53.7		40-140	0.520	20		
3,3-Dichlorobenzidine	43.7	10	µg/L	50.0		87.4		40-140	11.1	20		
2,4-Dichlorophenol	36.6	10	µg/L	50.0		73.1		30-130	12.5	20		
Diethylphthalate	38.5	10	µg/L	50.0		77.0		40-140	14.6	20		
2,4-Dimethylphenol	36.3	10	µg/L	50.0		72.6		30-130	12.1	20		
Dimethylphthalate	37.4	10	µg/L	50.0		74.8		40-140	13.6	50		‡
4,6-Dinitro-2-methylphenol	37.4	10	µg/L	50.0		74.8		30-130	15.7	50		‡
2,4-Dinitrophenol	35.1	10	µg/L	50.0		70.2		30-130	17.0	50		‡
2,4-Dinitrotoluene	41.2	10	µg/L	50.0		82.5		40-140	13.7	20		
2,6-Dinitrotoluene	41.3	10	µg/L	50.0		82.6		40-140	15.0	20		
Di-n-octylphthalate	41.4	10	µg/L	50.0		82.7		40-140	18.0	20		
1,2-Diphenylhydrazine/Azobenzene	38.2	10	µg/L	50.0		76.3		40-140	17.0	20		
Fluoranthene	39.7	5.0	µg/L	50.0		79.5		40-140	16.0	20		
Fluorene	39.6	5.0	µg/L	50.0		79.2		40-140	12.3	20		
Hexachlorobenzene	40.2	10	µg/L	50.0		80.3		40-140	12.3	20		
Hexachlorobutadiene	28.6	10	µg/L	50.0		57.3		40-140	0.245	20		
Hexachlorocyclopentadiene	30.9	10	µg/L	50.0		61.8		30-140	2.40	50		† ‡
Hexachloroethane	24.4	10	µg/L	50.0		48.9		40-140	3.03	50		‡
Indeno(1,2,3-cd)pyrene	34.4	5.0	µg/L	50.0		68.8		40-140	11.4	50		‡
Isophorone	39.5	10	µg/L	50.0		79.1		40-140	16.2	20		
1-Methylnaphthalene	32.5	5.0	µg/L	50.0		65.0		40-140	10.0	20		
2-Methylnaphthalene	36.9	5.0	µg/L	50.0		73.9		40-140	10.6	20		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C											
LCS Dup (B305646-BSD1)				Prepared: 04/13/22 Analyzed: 04/14/22							
2-Methylphenol	31.7	10	µg/L	50.0		63.4		30-130	11.3	20	
3/4-Methylphenol	29.9	10	µg/L	50.0		59.8		30-130	14.8	20	
Naphthalene	33.3	5.0	µg/L	50.0		66.6		40-140	8.70	20	
2-Nitroaniline	45.4	10	µg/L	50.0		90.8		40-140	17.1	20	
3-Nitroaniline	39.5	10	µg/L	50.0		79.0		40-140	12.2	20	
4-Nitroaniline	41.4	10	µg/L	50.0		82.7		40-140	14.8	20	
Nitrobenzene	35.6	10	µg/L	50.0		71.1		40-140	13.1	20	
2-Nitrophenol	34.6	10	µg/L	50.0		69.1		30-130	10.8	20	
4-Nitrophenol	19.4	10	µg/L	50.0		38.8		10-130	15.6	50	† ‡
N-Nitrosodimethylamine	21.2	10	µg/L	50.0		42.4		40-140	8.92	20	
N-Nitrosodiphenylamine/Diphenylamine	40.2	10	µg/L	50.0		80.3		40-140	14.1	20	
N-Nitrosodi-n-propylamine	35.3	10	µg/L	50.0		70.7		40-140	15.2	20	
Pentachloronitrobenzene	40.2	10	µg/L	50.0		80.3		40-140	16.8	20	
Pentachlorophenol	38.0	10	µg/L	50.0		76.1		30-130	14.3	50	‡
Phenanthrene	39.2	5.0	µg/L	50.0		78.4		40-140	15.9	20	
Phenol	14.2	10	µg/L	50.0		28.4		20-130	12.3	20	†
Pyrene	39.8	5.0	µg/L	50.0		79.6		40-140	14.0	20	
Pyridine	15.0	5.0	µg/L	50.0		29.9		10-140	6.40	50	† ‡
1,2,4,5-Tetrachlorobenzene	36.3	10	µg/L	50.0		72.5		40-140	5.99	20	
1,2,4-Trichlorobenzene	31.7	5.0	µg/L	50.0		63.4		40-140	3.84	20	
2,4,5-Trichlorophenol	42.8	10	µg/L	50.0		85.7		30-130	11.8	20	
2,4,6-Trichlorophenol	40.2	10	µg/L	50.0		80.5		30-130	11.6	50	‡
Surrogate: 2-Fluorophenol	*90.3*		µg/L	200		45.1		15-110			
Surrogate: Phenol-d6	*63.0*		µg/L	200		31.5		15-110			
Surrogate: Nitrobenzene-d5	*74.7*		µg/L	100		74.7		30-130			
Surrogate: 2-Fluorobiphenyl	*78.7*		µg/L	100		78.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*176*		µg/L	200		88.2		15-110			
Surrogate: p-Terphenyl-d14	*79.4*		µg/L	100		79.4		30-130			
Matrix Spike (B305646-MS1)		**Source: 22D0541-15**		Prepared: 04/13/22 Analyzed: 04/18/22							
Acenaphthene	32.4	5.0	µg/L	50.0	ND	64.8		40-140			
Acenaphthylene	32.9	5.0	µg/L	50.0	ND	65.8		40-140			
Acetophenone	31.7	10	µg/L	50.0	ND	63.5		40-140			
Aniline	23.4	5.0	µg/L	50.0	ND	46.9		40-140			V-05
Anthracene	33.1	5.0	µg/L	50.0	ND	66.2		40-140			
Benzidine	30.0	20	µg/L	50.0	ND	60.0		40-140			V-04, V-05, V-35
Benzo(a)anthracene	32.7	5.0	µg/L	50.0	ND	65.4		40-140			
Benzo(a)pyrene	35.7	5.0	µg/L	50.0	ND	71.4		40-140			
Benzo(b)fluoranthene	34.2	5.0	µg/L	50.0	ND	68.3		40-140			
Benzo(g,h,i)perylene	34.8	5.0	µg/L	50.0	ND	69.7		40-140			
Benzo(k)fluoranthene	36.9	5.0	µg/L	50.0	ND	73.8		40-140			
Benzoic Acid	13.9	10	µg/L	50.0	ND	**27.9**	*	40-140			MS-09
Bis(2-chloroethoxy)methane	31.6	10	µg/L	50.0	ND	63.3		40-140			
Bis(2-chloroethyl)ether	26.7	10	µg/L	50.0	ND	53.4		40-140			
Bis(2-chloroisopropyl)ether	28.2	10	µg/L	50.0	ND	56.4		40-140			V-05
Bis(2-Ethylhexyl)phthalate	31.6	10	µg/L	50.0	ND	63.3		40-140			
4-Bromophenylphenylether	32.7	10	µg/L	50.0	ND	65.3		40-140			
Butylbenzylphthalate	30.9	10	µg/L	50.0	ND	61.8		40-140			
Carbazole	32.8	10	µg/L	50.0	ND	65.7		40-140			
4-Chloroaniline	24.6	10	µg/L	50.0	ND	49.3		40-140			V-34
4-Chloro-3-methylphenol	30.7	10	µg/L	50.0	ND	61.5		30-130			
2-Chloronaphthalene	31.0	10	µg/L	50.0	ND	61.9		40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C											
Matrix Spike (B305646-MS1)	**Source: 22D0541-15**			Prepared: 04/13/22 Analyzed: 04/18/22							
2-Chlorophenol	27.5	10	µg/L	50.0	ND	55.1		30-130			
4-Chlorophenylphenylether	33.8	10	µg/L	50.0	ND	67.6		40-140			
Chrysene	31.9	5.0	µg/L	50.0	ND	63.8		40-140			
Dibenz(a,h)anthracene	33.2	5.0	µg/L	50.0	ND	66.4		40-140			
Dibenzofuran	36.0	5.0	µg/L	50.0	ND	72.1		40-140			
Di-n-butylphthalate	31.7	10	µg/L	50.0	ND	63.4		40-140			
1,2-Dichlorobenzene	28.4	5.0	µg/L	50.0	ND	56.9		40-140			
1,3-Dichlorobenzene	26.9	5.0	µg/L	50.0	ND	53.7		40-140			
1,4-Dichlorobenzene	27.3	5.0	µg/L	50.0	ND	54.7		40-140			
3,3-Dichlorobenzidine	31.4	10	µg/L	50.0	ND	62.8		40-140			
2,4-Dichlorophenol	33.0	10	µg/L	50.0	ND	66.0		30-130			
Diethylphthalate	32.3	10	µg/L	50.0	ND	64.6		40-140			
2,4-Dimethylphenol	30.0	10	µg/L	50.0	ND	60.1		30-130			
Dimethylphthalate	31.8	10	µg/L	50.0	ND	63.5		40-140			
4,6-Dinitro-2-methylphenol	31.9	10	µg/L	50.0	ND	63.7		30-130			
2,4-Dinitrophenol	28.9	10	µg/L	50.0	ND	57.7		30-130			
2,4-Dinitrotoluene	35.2	10	µg/L	50.0	ND	70.4		40-140			
2,6-Dinitrotoluene	35.3	10	µg/L	50.0	ND	70.6		40-140			
Di-n-octylphthalate	35.4	10	µg/L	50.0	ND	70.8		40-140			
1,2-Diphenylhydrazine/Azobenzene	31.9	10	µg/L	50.0	ND	63.9		40-140			
Fluoranthene	33.4	5.0	µg/L	50.0	ND	66.9		40-140			
Fluorene	33.9	5.0	µg/L	50.0	ND	67.7		40-140			
Hexachlorobenzene	34.3	10	µg/L	50.0	ND	68.7		40-140			
Hexachlorobutadiene	32.2	10	µg/L	50.0	ND	64.4		40-140			
Hexachlorocyclopentadiene	20.1	10	µg/L	50.0	ND	40.1		30-130			
Hexachloroethane	26.0	10	µg/L	50.0	ND	52.0		40-140			
Indeno(1,2,3-cd)pyrene	32.2	5.0	µg/L	50.0	ND	64.4		40-140			
Isophorone	34.8	10	µg/L	50.0	ND	69.6		40-140			
1-Methylnaphthalene	30.4	5.0	µg/L	50.0	ND	60.8		40-140			
2-Methylnaphthalene	35.1	5.0	µg/L	50.0	ND	70.2		40-140			
2-Methylphenol	26.2	10	µg/L	50.0	ND	52.4		30-130			
3/4-Methylphenol	25.5	10	µg/L	50.0	ND	51.1		30-130			
Naphthalene	31.2	5.0	µg/L	50.0	ND	62.4		40-140			
2-Nitroaniline	37.8	10	µg/L	50.0	ND	75.7		40-140			
3-Nitroaniline	29.2	10	µg/L	50.0	ND	58.3		40-140			
4-Nitroaniline	34.7	10	µg/L	50.0	ND	69.4		40-140			
Nitrobenzene	31.3	10	µg/L	50.0	ND	62.6		40-140			
2-Nitrophenol	31.2	10	µg/L	50.0	ND	62.4		30-130			
4-Nitrophenol	17.0	10	µg/L	50.0	ND	34.1		30-130			
N-Nitrosodimethylamine	18.2	10	µg/L	50.0	ND	**36.3**	*	40-140			MS-09
N-Nitrosodiphenylamine/Diphenylamine	33.9	10	µg/L	50.0	ND	67.9		40-140			
N-Nitrosodi-n-propylamine	31.3	10	µg/L	50.0	ND	62.6		40-140			
Pentachloronitrobenzene	35.3	10	µg/L	50.0	ND	70.5		40-140			
Pentachlorophenol	31.2	10	µg/L	50.0	ND	62.4		30-130			
Phenanthrene	32.7	5.0	µg/L	50.0	ND	65.4		40-140			
Phenol	11.7	10	µg/L	50.0	ND	**23.3**	*	30-130			MS-09
Pyrene	33.8	5.0	µg/L	50.0	ND	67.7		40-140			
Pyridine	11.4	5.0	µg/L	50.0	ND	**22.7**	*	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	33.6	10	µg/L	50.0	ND	67.1		40-140			
1,2,4-Trichlorobenzene	32.3	5.0	µg/L	50.0	ND	64.6		40-140			
2,4,5-Trichlorophenol	37.4	10	µg/L	50.0	ND	74.8		30-130			
2,4,6-Trichlorophenol	34.7	10	µg/L	50.0	ND	69.5		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C											
Matrix Spike (B305646-MS1)	**Source: 22D0541-15**			Prepared: 04/13/22 Analyzed: 04/18/22							
Surrogate: 2-Fluorophenol	*75.1*		µg/L	200		37.6		15-110			
Surrogate: Phenol-d6	*52.3*		µg/L	200		26.1		15-110			
Surrogate: Nitrobenzene-d5	*65.9*		µg/L	100		65.9		30-130			
Surrogate: 2-Fluorobiphenyl	*72.4*		µg/L	100		72.4		30-130			
Surrogate: 2,4,6-Tribromophenol	*152*		µg/L	200		76.2		15-110			
Surrogate: p-Terphenyl-d14	*69.3*		µg/L	100		69.3		30-130			
Matrix Spike Dup (B305646-MSD1)	**Source: 22D0541-15**			Prepared: 04/13/22 Analyzed: 04/18/22							
Acenaphthene	32.3	5.1	µg/L	51.0	ND	63.3		40-140	0.415	30	
Acenaphthylene	32.9	5.1	µg/L	51.0	ND	64.4		40-140	0.00746	30	
Acetophenone	30.0	10	µg/L	51.0	ND	58.8		40-140	5.70	30	
Aniline	25.2	5.1	µg/L	51.0	ND	49.5		40-140	7.33	30	V-05
Anthracene	34.2	5.1	µg/L	51.0	ND	67.0		40-140	3.16	30	
Benzidine	37.2	20	µg/L	51.0	ND	73.0		40-140	21.6	30	V-04, V-05, V-35
Benzo(a)anthracene	34.3	5.1	µg/L	51.0	ND	67.2		40-140	4.64	30	
Benzo(a)pyrene	36.6	5.1	µg/L	51.0	ND	71.7		40-140	2.50	30	
Benzo(b)fluoranthene	34.7	5.1	µg/L	51.0	ND	67.9		40-140	1.43	30	
Benzo(g,h,i)perylene	33.1	5.1	µg/L	51.0	ND	64.9		40-140	5.12	30	
Benzo(k)fluoranthene	37.1	5.1	µg/L	51.0	ND	72.6		40-140	0.436	30	
Benzoic Acid	15.5	10	µg/L	51.0	ND	**30.4**	*	40-140	10.7	30	MS-09
Bis(2-chloroethoxy)methane	29.2	10	µg/L	51.0	ND	57.2		40-140	8.15	30	
Bis(2-chloroethyl)ether	24.2	10	µg/L	51.0	ND	47.4		40-140	9.90	30	
Bis(2-chloroisopropyl)ether	25.3	10	µg/L	51.0	ND	49.6		40-140	10.7	30	V-05
Bis(2-Ethylhexyl)phthalate	34.7	10	µg/L	51.0	ND	68.0		40-140	9.15	30	
4-Bromophenylphenylether	35.1	10	µg/L	51.0	ND	68.8		40-140	7.21	30	
Butylbenzylphthalate	33.0	10	µg/L	51.0	ND	64.7		40-140	6.51	30	
Carbazole	34.0	10	µg/L	51.0	ND	66.6		40-140	3.32	30	
4-Chloroaniline	30.4	10	µg/L	51.0	ND	59.6		40-140	21.0	30	V-34
4-Chloro-3-methylphenol	31.3	10	µg/L	51.0	ND	61.3		30-130	1.79	30	
2-Chloronaphthalene	30.0	10	µg/L	51.0	ND	58.9		40-140	3.05	30	
2-Chlorophenol	26.8	10	µg/L	51.0	ND	52.5		30-130	2.74	30	
4-Chlorophenylphenylether	33.9	10	µg/L	51.0	ND	66.5		40-140	0.351	30	
Chrysene	33.6	5.1	µg/L	51.0	ND	65.9		40-140	5.26	30	
Dibenz(a,h)anthracene	32.3	5.1	µg/L	51.0	ND	63.3		40-140	2.82	30	
Dibenzofuran	35.9	5.1	µg/L	51.0	ND	70.4		40-140	0.423	30	
Di-n-butylphthalate	32.3	10	µg/L	51.0	ND	63.3		40-140	1.89	30	
1,2-Dichlorobenzene	25.8	5.1	µg/L	51.0	ND	50.6		40-140	9.67	30	
1,3-Dichlorobenzene	24.4	5.1	µg/L	51.0	ND	47.8		40-140	9.73	30	
1,4-Dichlorobenzene	24.7	5.1	µg/L	51.0	ND	48.5		40-140	9.97	30	
3,3-Dichlorobenzidine	35.0	10	µg/L	51.0	ND	68.5		40-140	10.7	30	
2,4-Dichlorophenol	31.7	10	µg/L	51.0	ND	62.2		30-130	3.94	30	
Diethylphthalate	33.3	10	µg/L	51.0	ND	65.4		40-140	3.13	30	
2,4-Dimethylphenol	29.7	10	µg/L	51.0	ND	58.3		30-130	0.954	30	
Dimethylphthalate	32.8	10	µg/L	51.0	ND	64.4		40-140	3.33	30	
4,6-Dinitro-2-methylphenol	32.5	10	µg/L	51.0	ND	63.7		30-130	2.02	30	
2,4-Dinitrophenol	29.8	10	µg/L	51.0	ND	58.5		30-130	3.29	30	
2,4-Dinitrotoluene	35.8	10	µg/L	51.0	ND	70.2		40-140	1.71	30	
2,6-Dinitrotoluene	36.7	10	µg/L	51.0	ND	72.0		40-140	3.96	30	
Di-n-octylphthalate	34.3	10	µg/L	51.0	ND	67.3		40-140	3.08	30	
1,2-Diphenylhydrazine/Azobenzene	32.4	10	µg/L	51.0	ND	63.6		40-140	1.58	30	
Fluoranthene	32.9	5.1	µg/L	51.0	ND	64.5		40-140	1.60	30	
Fluorene	34.6	5.1	µg/L	51.0	ND	67.8		40-140	2.05	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305646 - SW-846 3510C											
Matrix Spike Dup (B305646-MSD1)	**Source: 22D0541-15**			Prepared: 04/13/22 Analyzed: 04/18/22							
Hexachlorobenzene	37.2	10	µg/L	51.0	ND	72.8		40-140	7.93	30	
Hexachlorobutadiene	30.0	10	µg/L	51.0	ND	58.8		40-140	7.04	30	
Hexachlorocyclopentadiene	15.8	10	µg/L	51.0	ND	30.9		30-130	24.0	30	
Hexachloroethane	22.6	10	µg/L	51.0	ND	44.3		40-140	13.8	30	
Indeno(1,2,3-cd)pyrene	31.9	5.1	µg/L	51.0	ND	62.5		40-140	0.912	30	
Isophorone	33.0	10	µg/L	51.0	ND	64.7		40-140	5.34	30	
1-Methylnaphthalene	28.9	5.1	µg/L	51.0	ND	56.7		40-140	4.92	30	
2-Methylnaphthalene	33.1	5.1	µg/L	51.0	ND	64.9		40-140	5.77	30	
2-Methylphenol	26.7	10	µg/L	51.0	ND	52.3		30-130	1.71	30	
3/4-Methylphenol	25.9	10	µg/L	51.0	ND	50.8		30-130	1.47	30	
Naphthalene	28.8	5.1	µg/L	51.0	ND	56.5		40-140	7.98	30	
2-Nitroaniline	32.9	10	µg/L	51.0	ND	64.5		40-140	14.0	30	
3-Nitroaniline	34.0	10	µg/L	51.0	ND	66.6		40-140	15.3	30	
4-Nitroaniline	36.3	10	µg/L	51.0	ND	71.2		40-140	4.47	30	
Nitrobenzene	28.7	10	µg/L	51.0	ND	56.2		40-140	8.82	30	
2-Nitrophenol	29.2	10	µg/L	51.0	ND	57.3		30-130	6.44	30	
4-Nitrophenol	18.5	10	µg/L	51.0	ND	36.3		30-130	8.38	30	
N-Nitrosodimethylamine	18.1	10	µg/L	51.0	ND	**35.5**	*	40-140	0.152	30	MS-09
N-Nitrosodiphenylamine/Diphenylamine	35.4	10	µg/L	51.0	ND	69.5		40-140	4.35	30	
N-Nitrosodi-n-propylamine	28.9	10	µg/L	51.0	ND	56.7		40-140	7.88	30	
Pentachloronitrobenzene	37.0	10	µg/L	51.0	ND	72.5		40-140	4.79	30	
Pentachlorophenol	32.6	10	µg/L	51.0	ND	64.0		30-130	4.49	30	
Phenanthrene	34.2	5.1	µg/L	51.0	ND	67.1		40-140	4.52	30	
Phenol	12.1	10	µg/L	51.0	ND	**23.7**	*	30-130	3.72	30	MS-09
Pyrene	36.1	5.1	µg/L	51.0	ND	70.8		40-140	6.58	30	
Pyridine	11.8	5.1	µg/L	51.0	ND	**23.2**	*	40-140	4.28	30	MS-09
1,2,4,5-Tetrachlorobenzene	33.6	10	µg/L	51.0	ND	65.9		40-140	0.186	30	
1,2,4-Trichlorobenzene	29.6	5.1	µg/L	51.0	ND	58.1		40-140	8.65	30	
2,4,5-Trichlorophenol	38.4	10	µg/L	51.0	ND	75.3		30-130	2.63	30	
2,4,6-Trichlorophenol	35.9	10	µg/L	51.0	ND	70.5		30-130	3.42	30	
Surrogate: 2-Fluorophenol	*76.2*		µg/L	204		37.3		15-110			
Surrogate: Phenol-d6	*53.9*		µg/L	204		26.4		15-110			
Surrogate: Nitrobenzene-d5	*60.4*		µg/L	102		59.2		30-130			
Surrogate: 2-Fluorobiphenyl	*72.2*		µg/L	102		70.7		30-130			
Surrogate: 2,4,6-Tribromophenol	*160*		µg/L	204		78.3		15-110			
Surrogate: p-Terphenyl-d14	*77.5*		µg/L	102		76.0		30-130			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305414 - SW-846 7470A Prep										
Blank (B305414-BLK1)				Prepared: 04/10/22 Analyzed: 04/11/22						
Mercury	ND	0.00010	mg/L							
LCS (B305414-BS1)				Prepared: 04/10/22 Analyzed: 04/11/22						
Mercury	0.00382	0.00010	mg/L	0.00402		95.1	80-120			
LCS Dup (B305414-BSD1)				Prepared: 04/10/22 Analyzed: 04/11/22						
Mercury	0.00385	0.00010	mg/L	0.00402		95.7	80-120	0.719	20	
Matrix Spike (B305414-MS1)		**Source: 22D0541-15**		Prepared: 04/10/22 Analyzed: 04/11/22						
Mercury	0.00398	0.00010	mg/L	0.00402	ND	99.1	75-125			
Matrix Spike Dup (B305414-MSD1)		**Source: 22D0541-15**		Prepared: 04/10/22 Analyzed: 04/11/22						
Mercury	0.00382	0.00010	mg/L	0.00402	ND	95.0	75-125	4.23	20	
Batch B305681 - SW-846 3005A										
Blank (B305681-BLK1)				Prepared: 04/13/22 Analyzed: 04/17/22						
Aluminum	ND	0.050	mg/L							
Antimony	ND	0.050	mg/L							
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Beryllium	ND	0.0040	mg/L							
Cadmium	ND	0.0040	mg/L							
Calcium	ND	0.50	mg/L							
Chromium	ND	0.010	mg/L							
Cobalt	ND	0.010	mg/L							
Copper	ND	0.010	mg/L							
Iron	ND	0.050	mg/L							
Lead	ND	0.010	mg/L							
Magnesium	ND	0.050	mg/L							
Manganese	ND	0.010	mg/L							
Nickel	ND	0.010	mg/L							
Potassium	ND	2.0	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.010	mg/L							
Sodium	ND	2.0	mg/L							
Thallium	ND	0.050	mg/L							
Vanadium	ND	0.010	mg/L							
Zinc	ND	0.010	mg/L							
LCS (B305681-BS1)				Prepared: 04/13/22 Analyzed: 04/14/22						
Aluminum	0.490	0.050	mg/L	0.500		98.0	80-120			
Antimony	0.473	0.050	mg/L	0.500		94.6	80-120			
Arsenic	0.445	0.010	mg/L	0.500		89.1	80-120			
Barium	0.488	0.050	mg/L	0.500		97.6	80-120			
Beryllium	0.480	0.0040	mg/L	0.500		96.0	80-120			
Cadmium	0.464	0.0040	mg/L	0.500		92.9	80-120			
Calcium	4.19	0.50	mg/L	4.00		105	80-120			
Chromium	0.480	0.010	mg/L	0.500		96.0	80-120			
Cobalt	0.479	0.010	mg/L	0.500		95.8	80-120			
Copper	0.944	0.010	mg/L	1.00		94.4	80-120			
Iron	3.86	0.050	mg/L	4.00		96.4	80-120			
Lead	0.479	0.010	mg/L	0.500		95.9	80-120			
Magnesium	3.96	0.050	mg/L	4.00		99.0	80-120			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305681 - SW-846 3005A											
LCS (B305681-BS1)				Prepared: 04/13/22 Analyzed: 04/14/22							
Manganese	0.486	0.010	mg/L	0.500		97.2		80-120			
Nickel	0.485	0.010	mg/L	0.500		97.0		80-120			
Potassium	3.72	2.0	mg/L	4.00		92.9		80-120			
Selenium	0.472	0.050	mg/L	0.500		94.4		80-120			
Silver	0.513	0.010	mg/L	0.500		103		80-120			
Sodium	3.78	2.0	mg/L	4.00		94.6		80-120			
Thallium	0.474	0.050	mg/L	0.500		94.8		80-120			
Vanadium	0.475	0.010	mg/L	0.500		94.9		80-120			
Zinc	0.952	0.010	mg/L	1.00		95.2		80-120			
LCS Dup (B305681-BSD1)				Prepared: 04/13/22 Analyzed: 04/14/22							
Aluminum	0.501	0.050	mg/L	0.500		100		80-120	2.22	20	
Antimony	0.456	0.050	mg/L	0.500		91.3		80-120	3.59	20	
Arsenic	0.432	0.010	mg/L	0.500		86.5		80-120	2.94	20	
Barium	0.472	0.050	mg/L	0.500		94.5		80-120	3.30	20	
Beryllium	0.462	0.0040	mg/L	0.500		92.5		80-120	3.71	20	
Cadmium	0.448	0.0040	mg/L	0.500		89.7		80-120	3.50	20	
Calcium	3.86	0.50	mg/L	4.00		96.6		80-120	8.08	20	
Chromium	0.464	0.010	mg/L	0.500		92.8		80-120	3.46	20	
Cobalt	0.463	0.010	mg/L	0.500		92.6		80-120	3.35	20	
Copper	0.917	0.010	mg/L	1.00		91.7		80-120	2.99	20	
Iron	3.72	0.050	mg/L	4.00		93.0		80-120	3.63	20	
Lead	0.464	0.010	mg/L	0.500		92.8		80-120	3.26	20	
Magnesium	3.85	0.050	mg/L	4.00		96.2		80-120	2.86	20	
Manganese	0.470	0.010	mg/L	0.500		94.0		80-120	3.39	20	
Nickel	0.469	0.010	mg/L	0.500		93.7		80-120	3.46	30	
Potassium	3.61	2.0	mg/L	4.00		90.1		80-120	3.06	20	
Selenium	0.452	0.050	mg/L	0.500		90.3		80-120	4.45	20	
Silver	0.500	0.010	mg/L	0.500		99.9		80-120	2.70	20	
Sodium	3.67	2.0	mg/L	4.00		91.8		80-120	2.97	20	
Thallium	0.446	0.050	mg/L	0.500		89.2		80-120	6.03	20	
Vanadium	0.460	0.010	mg/L	0.500		91.9		80-120	3.21	20	
Zinc	0.918	0.010	mg/L	1.00		91.8		80-120	3.59	20	
Matrix Spike (B305681-MS1)		**Source: 22D0541-15**		Prepared: 04/13/22 Analyzed: 04/17/22							
Aluminum	0.598	0.050	mg/L	0.500	0.243	**71.0**	*	75-125			MS-07A
Antimony	0.494	0.050	mg/L	0.500	ND	98.8		75-125			
Arsenic	0.469	0.010	mg/L	0.500	ND	93.9		75-125			
Barium	0.635	0.050	mg/L	0.500	0.125	102		75-125			
Beryllium	0.503	0.0040	mg/L	0.500	ND	101		75-125			
Cadmium	0.486	0.0040	mg/L	0.500	ND	97.2		75-125			
Calcium	68.7	0.50	mg/L	4.00	63.1	**141**	*	75-125			MS-19
Chromium	0.503	0.010	mg/L	0.500	ND	101		75-125			
Cobalt	0.488	0.010	mg/L	0.500	ND	97.5		75-125			
Copper	0.990	0.010	mg/L	1.00	ND	99.0		75-125			
Iron	4.41	0.050	mg/L	4.00	0.652	94.0		75-125			
Lead	0.487	0.010	mg/L	0.500	ND	97.4		75-125			
Magnesium	17.3	0.050	mg/L	4.00	12.9	108		75-125			
Manganese	0.641	0.010	mg/L	0.500	0.134	102		75-125			
Nickel	0.489	0.010	mg/L	0.500	ND	97.8		75-125			
Potassium	4.96	2.0	mg/L	4.00	1.00	98.9		75-125			
Selenium	0.482	0.050	mg/L	0.500	ND	96.4		75-125			
Silver	0.539	0.010	mg/L	0.500	ND	108		75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B305681 - SW-846 3005A											
Matrix Spike (B305681-MS1)		**Source: 22D0541-15**		Prepared: 04/13/22 Analyzed: 04/14/22							
Sodium	7.94	2.0	mg/L	4.00	3.84	102		75-125			
Thallium	0.504	0.050	mg/L	0.500	ND	101		75-125			
Vanadium	0.501	0.010	mg/L	0.500	ND	100		75-125			
Zinc	0.982	0.010	mg/L	1.00	0.00562	97.6		75-125			
Matrix Spike Dup (B305681-MSD1)		**Source: 22D0541-15**		Prepared: 04/13/22 Analyzed: 04/17/22							
Aluminum	0.616	0.050	mg/L	0.500	0.243	**74.7**	*	75-125	3.02	20	MS-07A
Antimony	0.492	0.050	mg/L	0.500	ND	98.4		75-125	0.457	20	
Arsenic	0.469	0.010	mg/L	0.500	ND	93.8		75-125	0.0965	20	
Barium	0.640	0.050	mg/L	0.500	0.125	103		75-125	0.844	20	
Beryllium	0.505	0.0040	mg/L	0.500	ND	101		75-125	0.293	20	
Cadmium	0.489	0.0040	mg/L	0.500	ND	97.9		75-125	0.725	20	
Calcium	69.6	0.50	mg/L	4.00	63.1	**163**	*	75-125	1.27	20	MS-19
Chromium	0.507	0.010	mg/L	0.500	ND	101		75-125	0.851	20	
Cobalt	0.491	0.010	mg/L	0.500	ND	98.1		75-125	0.621	20	
Copper	1.00	0.010	mg/L	1.00	ND	100		75-125	1.01	20	
Iron	4.47	0.050	mg/L	4.00	0.652	95.4		75-125	1.20	20	
Lead	0.487	0.010	mg/L	0.500	ND	97.5		75-125	0.0624	20	
Magnesium	17.3	0.050	mg/L	4.00	12.9	110		75-125	0.316	20	
Manganese	0.644	0.010	mg/L	0.500	0.134	102		75-125	0.494	20	
Nickel	0.489	0.010	mg/L	0.500	ND	97.7		75-125	0.0349	20	
Potassium	4.98	2.0	mg/L	4.00	1.00	99.5		75-125	0.458	20	
Selenium	0.481	0.050	mg/L	0.500	ND	96.3		75-125	0.0962	20	
Silver	0.539	0.010	mg/L	0.500	ND	108		75-125	0.0591	20	
Sodium	8.06	2.0	mg/L	4.00	3.84	105		75-125	1.50	20	
Thallium	0.501	0.050	mg/L	0.500	ND	100		75-125	0.536	20	
Vanadium	0.505	0.010	mg/L	0.500	ND	101		75-125	0.860	20	
Zinc	0.997	0.010	mg/L	1.00	0.00562	99.1		75-125	1.53	20	
Batch B305691 - SW-846 3005A											
Blank (B305691-BLK1)				Prepared: 04/13/22 Analyzed: 04/14/22							
Aluminum	ND	0.050	mg/L								
Antimony	ND	0.050	mg/L								
Arsenic	0.0048	0.010	mg/L								J
Barium	ND	0.050	mg/L								
Beryllium	ND	0.0040	mg/L								
Cadmium	ND	0.0040	mg/L								
Calcium	ND	0.50	mg/L								
Chromium	ND	0.010	mg/L								
Cobalt	ND	0.010	mg/L								
Copper	ND	0.010	mg/L								
Iron	ND	0.050	mg/L								
Lead	ND	0.010	mg/L								
Magnesium	ND	0.050	mg/L								
Manganese	ND	0.010	mg/L								
Nickel	ND	0.010	mg/L								
Potassium	ND	2.0	mg/L								
Selenium	ND	0.050	mg/L								
Silver	ND	0.010	mg/L								
Sodium	ND	2.0	mg/L								
Thallium	ND	0.050	mg/L								
Vanadium	ND	0.010	mg/L								

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305691 - SW-846 3005A										
Blank (B305691-BLK1)				Prepared: 04/13/22 Analyzed: 04/15/22						
Zinc	ND	0.010	mg/L							
LCS (B305691-BS1)				Prepared: 04/13/22 Analyzed: 04/14/22						
Aluminum	0.505	0.050	mg/L	0.500		101	80-120			
Antimony	0.480	0.050	mg/L	0.500		96.1	80-120			
Arsenic	0.452	0.010	mg/L	0.500		90.5	80-120			
Barium	0.513	0.050	mg/L	0.500		103	80-120			
Beryllium	0.470	0.0040	mg/L	0.500		94.0	80-120			
Cadmium	0.504	0.0040	mg/L	0.500		101	80-120			
Calcium	4.07	0.50	mg/L	4.00		102	80-120			
Chromium	0.493	0.010	mg/L	0.500		98.6	80-120			
Cobalt	0.511	0.010	mg/L	0.500		102	80-120			
Copper	0.977	0.010	mg/L	1.00		97.7	80-120			
Iron	3.96	0.050	mg/L	4.00		99.0	80-120			
Lead	0.511	0.010	mg/L	0.500		102	80-120			
Magnesium	4.01	0.050	mg/L	4.00		100	80-120			
Manganese	0.494	0.010	mg/L	0.500		98.8	80-120			
Nickel	0.516	0.010	mg/L	0.500		103	80-120			
Potassium	4.10	2.0	mg/L	4.00		103	80-120			
Selenium	0.496	0.050	mg/L	0.500		99.2	80-120			
Silver	0.523	0.010	mg/L	0.500		105	80-120			
Sodium	3.96	2.0	mg/L	4.00		99.0	80-120			
Thallium	0.519	0.050	mg/L	0.500		104	80-120			
Vanadium	0.513	0.010	mg/L	0.500		103	80-120			
Zinc	1.02	0.010	mg/L	1.00		102	80-120			
LCS Dup (B305691-BSD1)				Prepared: 04/13/22 Analyzed: 04/14/22						
Aluminum	0.491	0.050	mg/L	0.500		98.1	80-120	2.85	20	
Antimony	0.483	0.050	mg/L	0.500		96.6	80-120	0.491	20	
Arsenic	0.462	0.010	mg/L	0.500		92.4	80-120	2.08	20	
Barium	0.513	0.050	mg/L	0.500		103	80-120	0.0186	20	
Beryllium	0.470	0.0040	mg/L	0.500		94.1	80-120	0.127	20	
Cadmium	0.509	0.0040	mg/L	0.500		102	80-120	1.11	20	
Calcium	4.06	0.50	mg/L	4.00		101	80-120	0.387	20	
Chromium	0.499	0.010	mg/L	0.500		99.8	80-120	1.21	20	
Cobalt	0.512	0.010	mg/L	0.500		102	80-120	0.190	20	
Copper	0.982	0.010	mg/L	1.00		98.2	80-120	0.497	20	
Iron	3.86	0.050	mg/L	4.00		96.5	80-120	2.62	20	
Lead	0.517	0.010	mg/L	0.500		103	80-120	1.03	20	
Magnesium	3.99	0.050	mg/L	4.00		99.7	80-120	0.488	20	
Manganese	0.483	0.010	mg/L	0.500		96.6	80-120	2.27	20	
Nickel	0.518	0.010	mg/L	0.500		104	80-120	0.332	30	
Potassium	4.02	2.0	mg/L	4.00		100	80-120	2.13	20	
Selenium	0.494	0.050	mg/L	0.500		98.9	80-120	0.380	20	
Silver	0.524	0.010	mg/L	0.500		105	80-120	0.235	20	
Sodium	3.92	2.0	mg/L	4.00		98.0	80-120	0.995	20	
Thallium	0.516	0.050	mg/L	0.500		103	80-120	0.627	20	
Vanadium	0.515	0.010	mg/L	0.500		103	80-120	0.312	20	
Zinc	1.03	0.010	mg/L	1.00		103	80-120	0.834	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305691 - SW-846 3005A										
Duplicate (B305691-DUP1)	**Source: 22D0541-19**			Prepared: 04/13/22 Analyzed: 04/14/22						
Aluminum	ND	0.050	mg/L		ND			NC	20	
Antimony	ND	0.050	mg/L		ND			NC	20	
Arsenic	ND	0.010	mg/L		ND			NC	20	
Barium	ND	0.050	mg/L		ND			NC	20	
Beryllium	ND	0.0040	mg/L		ND			NC	20	
Cadmium	ND	0.0040	mg/L		ND			NC	20	
Calcium	ND	0.50	mg/L		ND			NC	20	
Chromium	ND	0.010	mg/L		ND			NC	20	
Cobalt	ND	0.010	mg/L		ND			NC	20	
Copper	ND	0.010	mg/L		ND			NC	20	
Iron	ND	0.050	mg/L		ND			NC	20	
Lead	ND	0.010	mg/L		0.00388			NC	20	
Magnesium	ND	0.050	mg/L		ND			NC	20	
Manganese	ND	0.010	mg/L		ND			NC	20	
Nickel	ND	0.010	mg/L		ND			NC	20	
Potassium	ND	2.0	mg/L		ND			NC	20	
Selenium	ND	0.050	mg/L		ND			NC	20	
Silver	0.00400	0.010	mg/L		ND			NC	20	J
Sodium	ND	2.0	mg/L		ND			NC	20	
Thallium	ND	0.050	mg/L		ND			NC	20	
Vanadium	ND	0.010	mg/L		ND			NC	20	
Zinc	ND	0.010	mg/L		ND			NC	20	
Matrix Spike (B305691-MS1)	**Source: 22D0541-19**			Prepared: 04/13/22 Analyzed: 04/14/22						
Aluminum	0.499	0.050	mg/L	0.500	ND	99.9	75-125			
Antimony	0.483	0.050	mg/L	0.500	ND	96.6	75-125			
Arsenic	0.459	0.010	mg/L	0.500	ND	91.9	75-125			
Barium	0.507	0.050	mg/L	0.500	ND	101	75-125			
Beryllium	0.473	0.0040	mg/L	0.500	ND	94.7	75-125			
Cadmium	0.505	0.0040	mg/L	0.500	ND	101	75-125			
Calcium	4.08	0.50	mg/L	4.00	ND	102	75-125			
Chromium	0.500	0.010	mg/L	0.500	ND	99.9	75-125			
Cobalt	0.514	0.010	mg/L	0.500	ND	103	75-125			
Copper	0.971	0.010	mg/L	1.00	ND	97.1	75-125			
Iron	3.91	0.050	mg/L	4.00	ND	97.8	75-125			
Lead	0.511	0.010	mg/L	0.500	0.00388	101	75-125			
Magnesium	4.01	0.050	mg/L	4.00	ND	100	75-125			
Manganese	0.490	0.010	mg/L	0.500	ND	98.1	75-125			
Nickel	0.519	0.010	mg/L	0.500	ND	104	75-125			
Potassium	4.08	2.0	mg/L	4.00	ND	102	75-125			
Selenium	0.491	0.050	mg/L	0.500	ND	98.1	75-125			
Silver	0.529	0.010	mg/L	0.500	ND	106	75-125			
Sodium	3.95	2.0	mg/L	4.00	ND	98.7	75-125			
Thallium	0.521	0.050	mg/L	0.500	ND	104	75-125			
Vanadium	0.508	0.010	mg/L	0.500	ND	102	75-125			
Zinc	1.03	0.010	mg/L	1.00	ND	103	75-125			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
PR-08	pH of sample (pH 5) is outside of method specified preservation criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-35	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Water	
Aluminum	CT,NH,NY,ME,VA,NC
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Calcium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Cobalt	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Magnesium	CT,NH,NY,ME,VA,NC
Manganese	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Potassium	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Sodium	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7470A in Water	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY
SW-846 8270E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzidine	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Benzoic Acid	NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-chloroisopropyl)ether	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NC
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

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Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

con-test ANALYTICAL LABORATORY
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Email: info@contestlabs.com
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East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

22D0541

Company Name: EA Engineering
Address: 269 W Jefferson St. Syracuse, NY 13202
Phone:
Project Name: Carroll Landfill
Project Location: Carroll, NY
Project Number: 160252300026
Project Manager: Hilary Williams
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Emily Feiner

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: hwilliams@contest.com
Fax To #:

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | Composite | Grab | [1]Matrix Code | Conc Code | 8270 Standard | 8260 Standard | TAL Metals 6010 | TAL Metals 7470 | | |

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

22D0541

Company Name: EA Engineering
Address: 269 W Jefferson St. Syracuse, NY 13202
Phone:
Project Name: Carroll Landfill
Project Location: Carroll, NY
Project Number: 16025231.0026
Project Manager: Hilary Williams
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Emily Fenner

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [ ] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: hwilliams@eaeist.com
Fax To #:

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | Composite | Grab | [1]Matrix Code | Conc Code | 8270 Standard | 8260 Standard | TAL Metals Gold | PFAS 537.1 | | |

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Fax: 413-525-6405
Email: info@contestlabs.com
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East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

22D0541

Company Name: LA Engineering
Address: 269 W. Jefferson St. Syracuse, NY 13202
Phone:
Project Name: Carroll Landfill
Project Location: Carroll, NY
Project Number: 160523/0026
Project Manager: Hilary Williams
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Emily Fenner

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [ ] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: hwilliams@contestlabs.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	8270 standard	8260 standard	TAL Metals 6010
19	907017-FB-04062022	04/06/2022 1530			X	GW	U	X	X	X

| | | | | | | | | | |

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OBTAIN PROOF OF DELIVERY

FROM	TO
Syracuse, NY US	East Longmeadow, MA US

MANAGE DELIVERY

7 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
271764548350 (master)	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548360	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548371	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548382	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548393	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548408	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EA Eng. **Received By** JR Date 4-8 22 Time 954

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 4.9, 5.1, 4.8, 5.6, 4.5, 4.0 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NO

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? T

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? F

Do all samples have the proper pH? Acid T Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	42	1 Liter Plastic		16 oz Amb.	
HCL-	42 43	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	21	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

VOA

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01	File ID:	B22V10118.D
Sampled:	04/06/22 09:19	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 14:15
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.4	2.0	50	J
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01	File ID:	B22V10118.D
Sampled:	04/06/22 09:19	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 14:15
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01	File ID:	B22V10118.D
Sampled:	04/06/22 09:19	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 14:15
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10118.D
Acq On : 11 Apr 2022 2:15 pm
Operator :
Sample : 22D0541-01 Inst : GCMSVOA2
Misc :
ALS Vial : 18 Sample Multiplier: 1

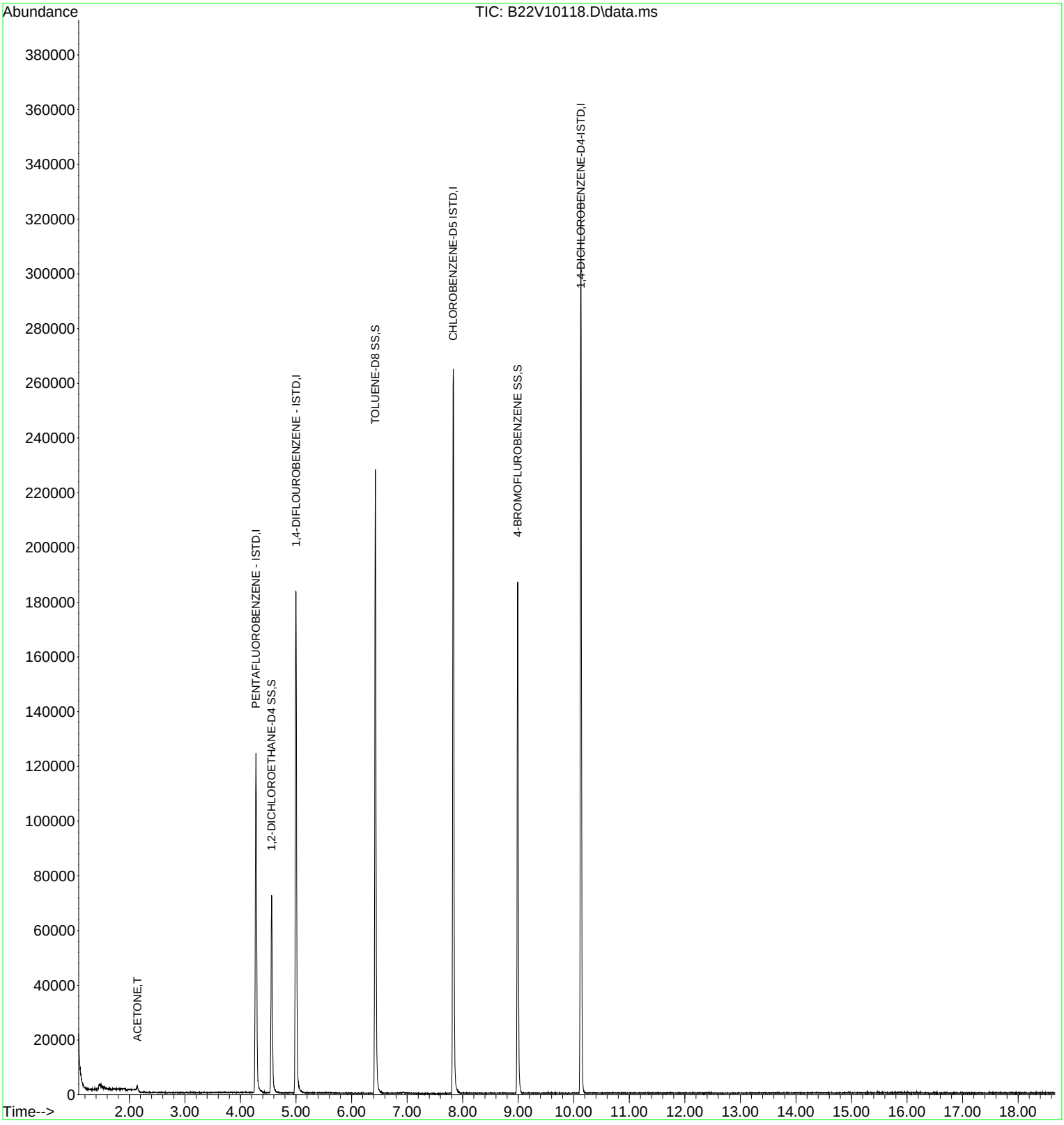
Quant Time: Apr 11 15:19:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

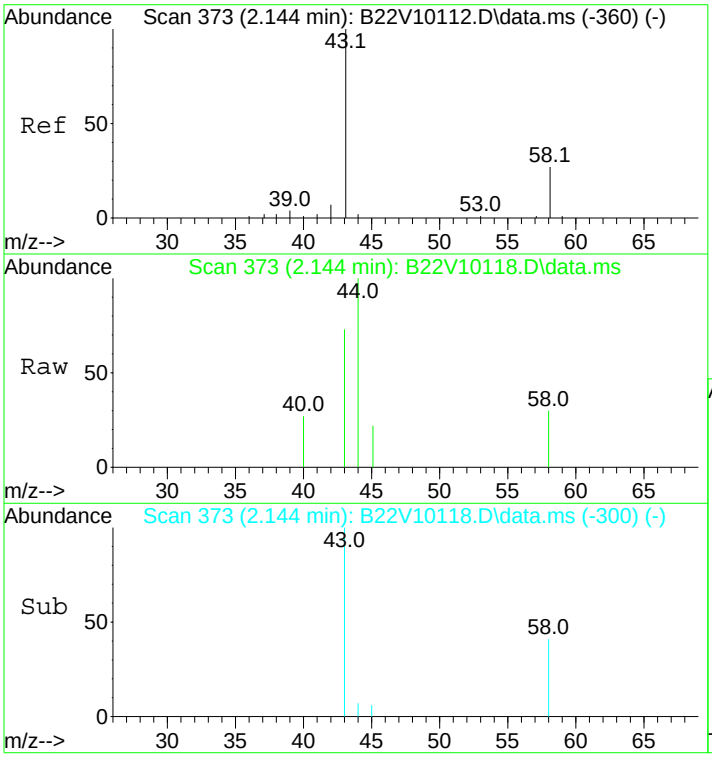
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	79427	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	5.000	114	124591	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.828	82	67393	30.00	UG/L	-0.01
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	74241	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	46410	22.68	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.72%			
45) TOLUENE-D8 SS	6.427	98	122889	23.60	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.40%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	51425	24.59	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.36%			
Target Compounds						Qvalue
14) ACETONE	2.144	43	1332	2.36	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10118.D
Acq On : 11 Apr 2022 2:15 pm
Operator :
Sample : 22D0541-01 Inst : GCMSVOA2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 11 15:19:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

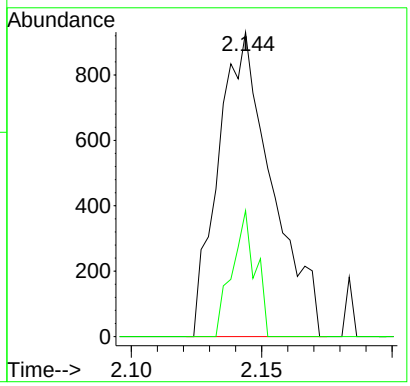




#14
ACETONE
Concen: 2.36 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10118.D
Acq: 11 Apr 2022 2:15 pm

Tgt Ion: 43 Resp: 1332

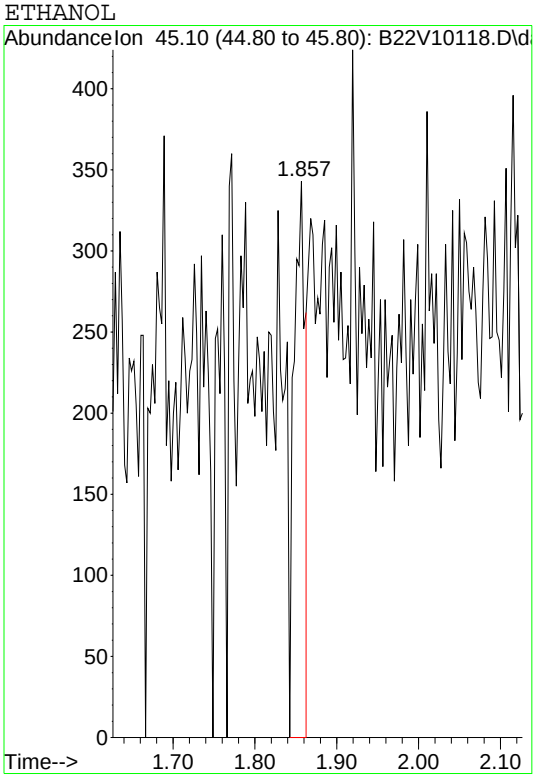
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10118.D
Acq On : 11 Apr 2022 2:15 pm
Operator :
Sample : 22D0541-01
Misc :

Quant Time : Mon Apr 11 15:19:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

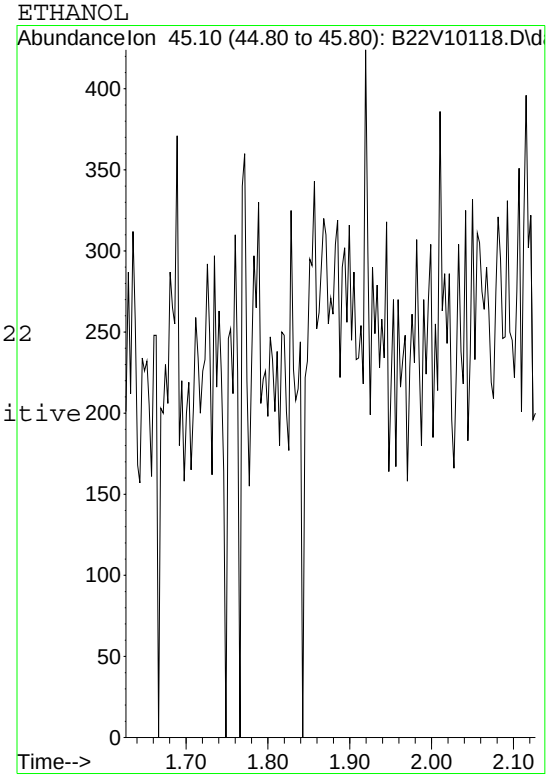
RT : 1.86
Area : 323
Amount: 12.5485

Manual Int. Results

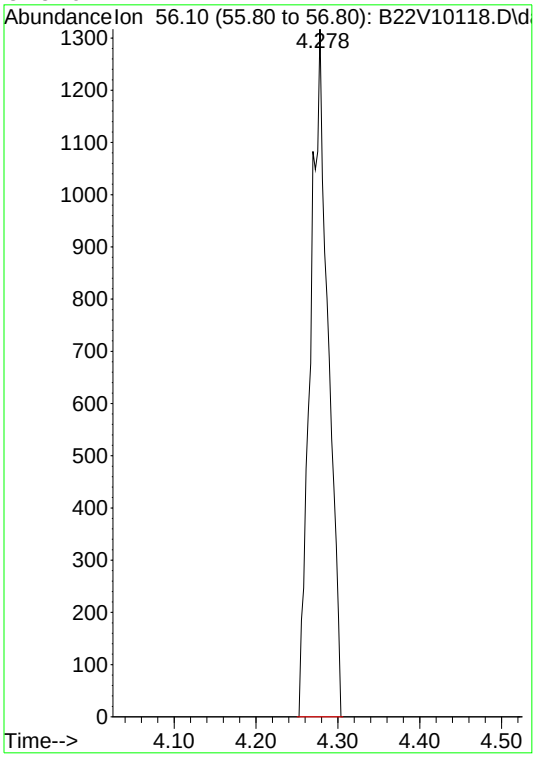
Mon Apr 11 15:18:49 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

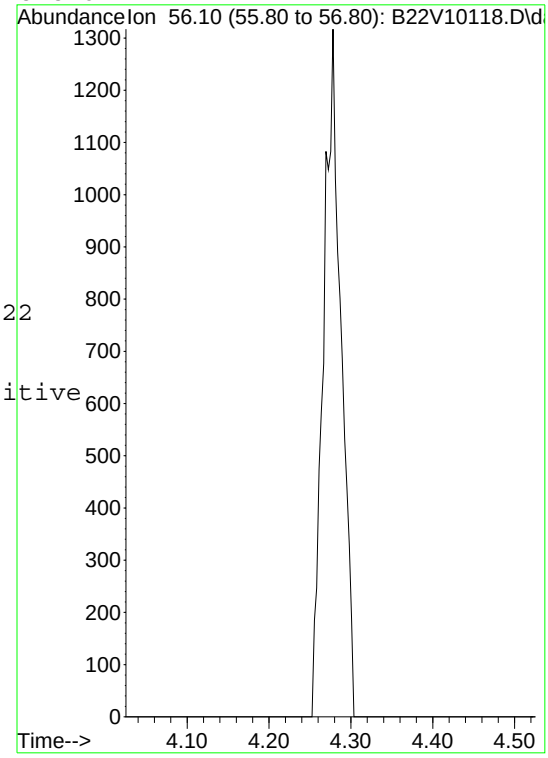
RT : 4.28
Area : 1977
Amount: 0.653167

Manual Int. Results

Mon Apr 11 15:19:16 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

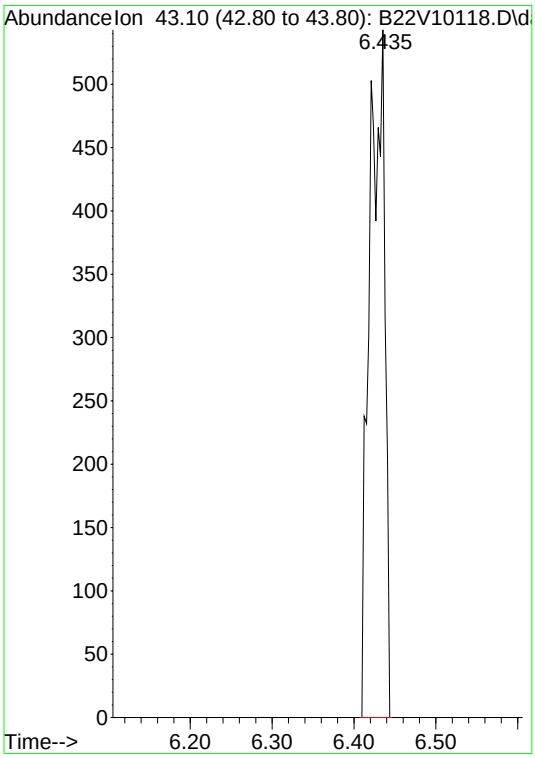
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10118.D
Acq On : 11 Apr 2022 2:15 pm
Operator :
Sample : 22D0541-01
Misc :

Quant Time : Mon Apr 11 15:19:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

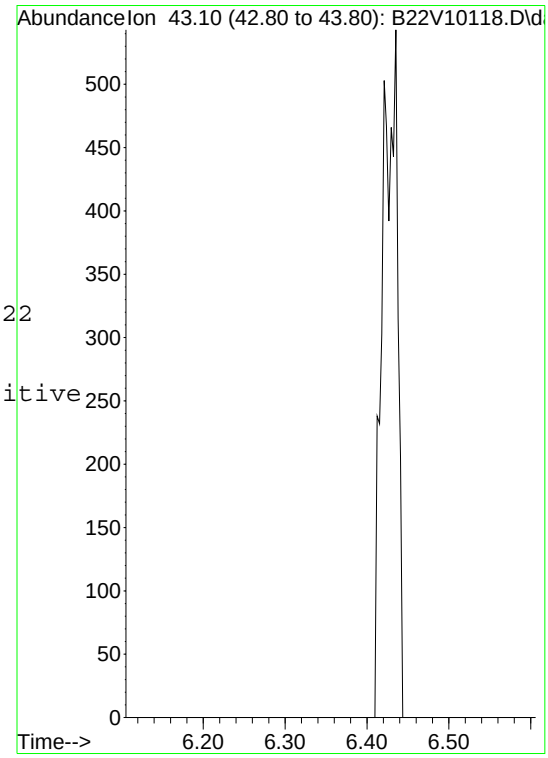
RT : 6.44
Area : 700
Amount: 0.378926

Manual Int. Results

Mon Apr 11 15:19:27 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02	File ID:	B22V10119.D
Sampled:	04/06/22 09:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 14:41
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02	File ID:	B22V10119.D
Sampled:	04/06/22 09:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 14:41
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02	File ID:	B22V10119.D
Sampled:	04/06/22 09:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 14:41
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10119.D
Acq On : 11 Apr 2022 2:41 pm
Operator :
Sample : 22D0541-02 Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1

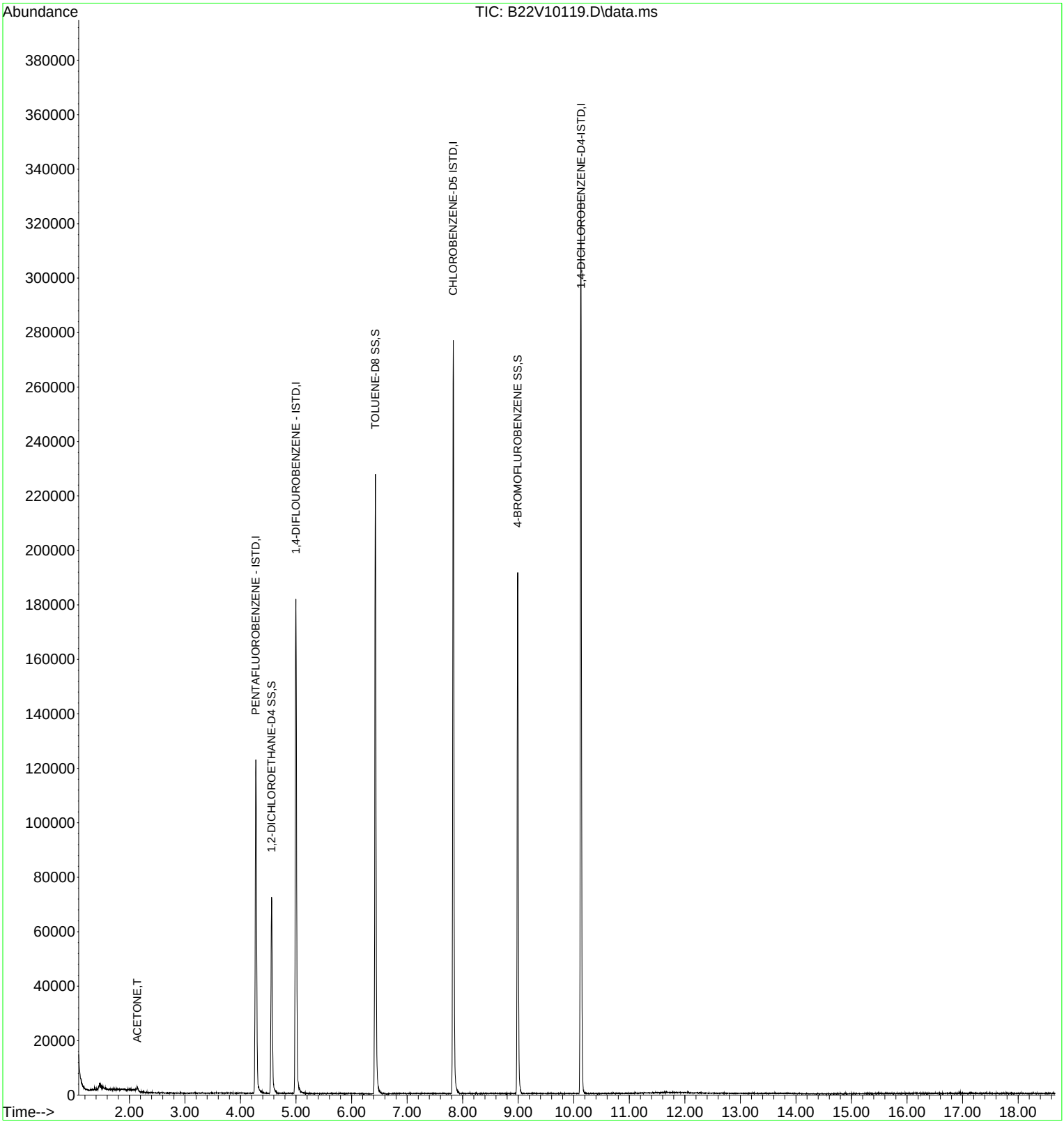
Quant Time: Apr 11 15:21:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

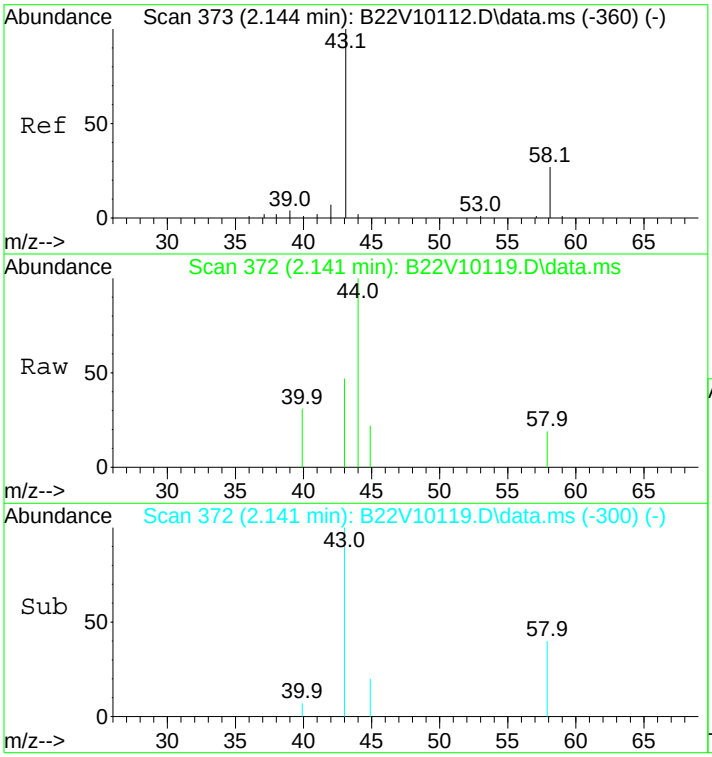
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.275	168	79731	30.00	UG/L	-0.01
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	125798	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	68189	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.130	152	74857	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	46235	22.50	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.00%			
45) TOLUENE-D8 SS	6.430	98	123385	23.46	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.84%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	51749	24.45	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.80%			
Target Compounds						Qvalue
14) ACETONE	2.141	43	904	1.60	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10119.D
Acq On : 11 Apr 2022 2:41 pm
Operator :
Sample : 22D0541-02 Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 11 15:21:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

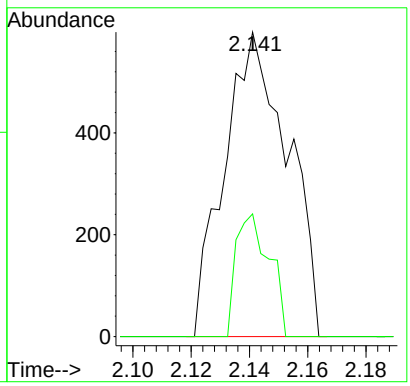




#14
ACETONE
Concen: 1.60 UG/L
RT: 2.141 min Scan# 372
Delta R.T. -0.008 min
Lab File: B22V10119.D
Acq: 11 Apr 2022 2:41 pm

Tgt Ion: 43 Resp: 904

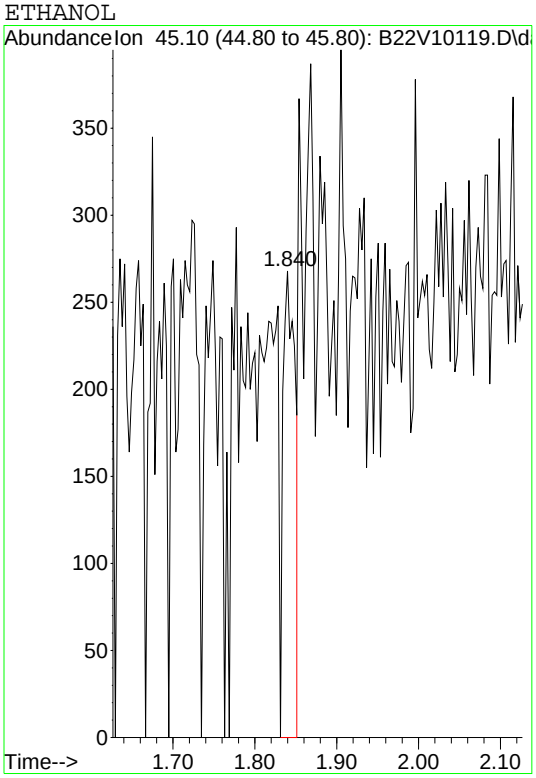
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10119.D
Acq On : 11 Apr 2022 2:41 pm
Operator :
Sample : 22D0541-02
Misc :

Quant Time : Mon Apr 11 15:21:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

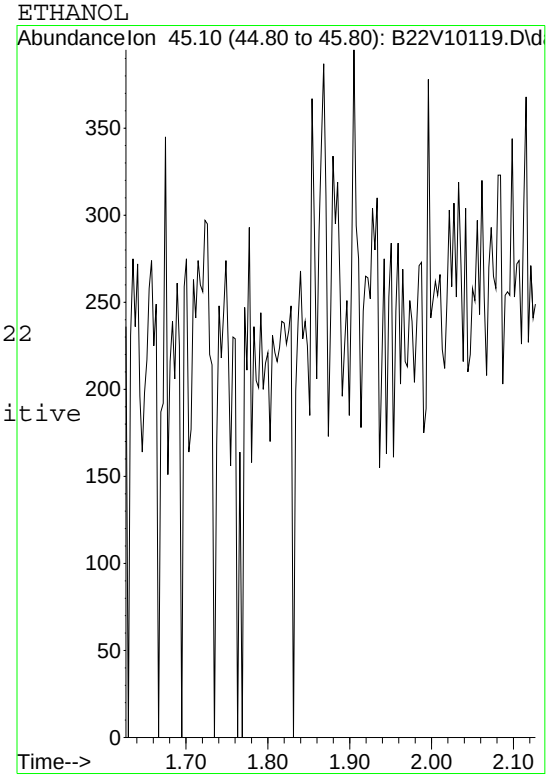
RT : 1.84
Area : 270
Amount: 10.4495

Manual Int. Results

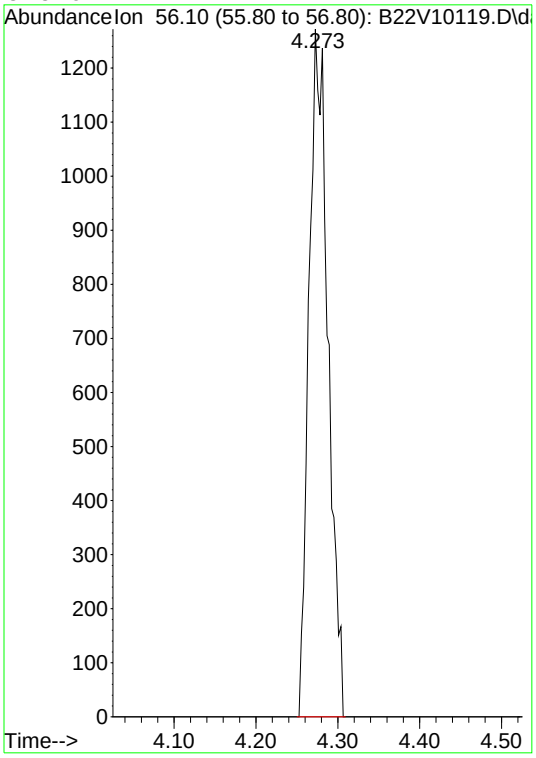
Mon Apr 11 15:20:55 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

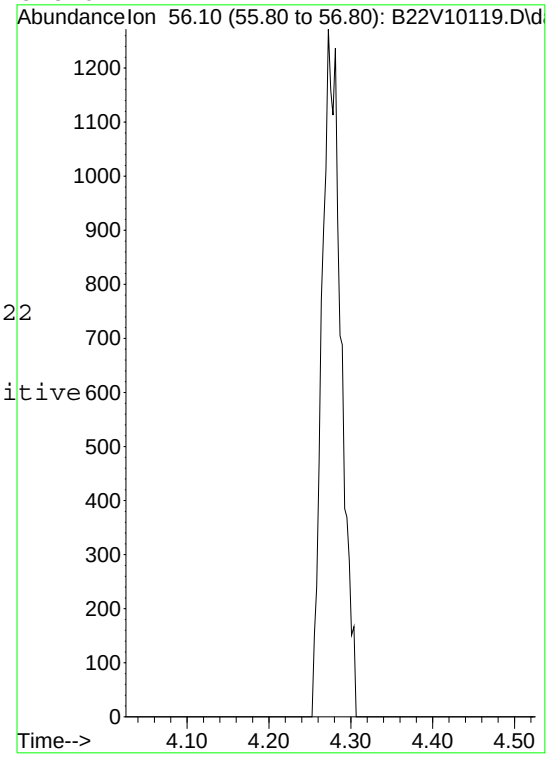
RT : 4.27
Area : 2048
Amount: 0.674044

Manual Int. Results

Mon Apr 11 15:21:12 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

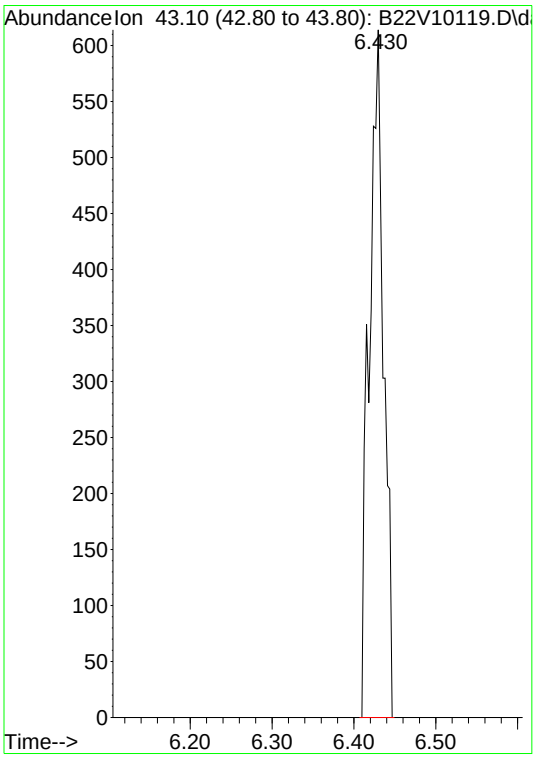
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10119.D
Acq On : 11 Apr 2022 2:41 pm
Operator :
Sample : 22D0541-02
Misc :

Quant Time : Mon Apr 11 15:21:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

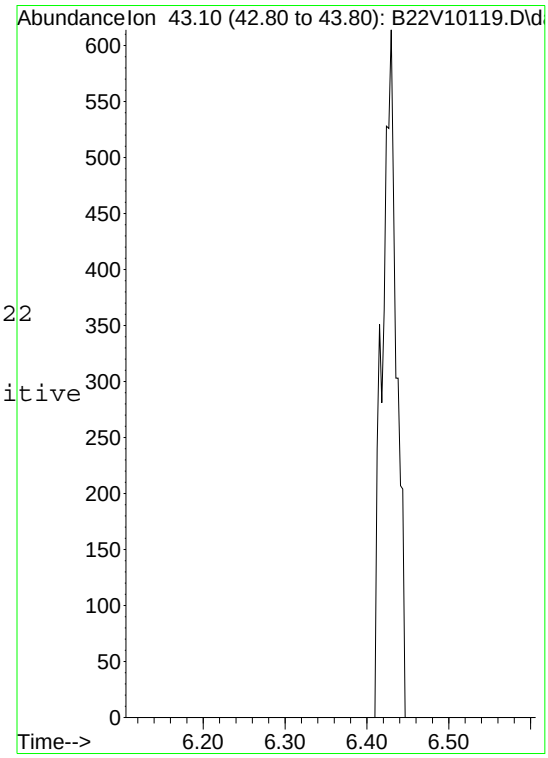
RT : 6.43
Area : 748
Amount: 0.401025

Manual Int. Results

Mon Apr 11 15:21:22 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03	File ID:	B22V10120.D
Sampled:	04/05/22 17:23	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 15:07
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03	File ID:	B22V10120.D
Sampled:	04/05/22 17:23	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 15:07
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether	0.31	0.18	2.0	J
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03	File ID:	B22V10120.D
Sampled:	04/05/22 17:23	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 15:07
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10120.D
Acq On : 11 Apr 2022 3:07 pm
Operator :
Sample : 22D0541-03 Inst : GCMSVOA2
Misc :
ALS Vial : 20 Sample Multiplier: 1

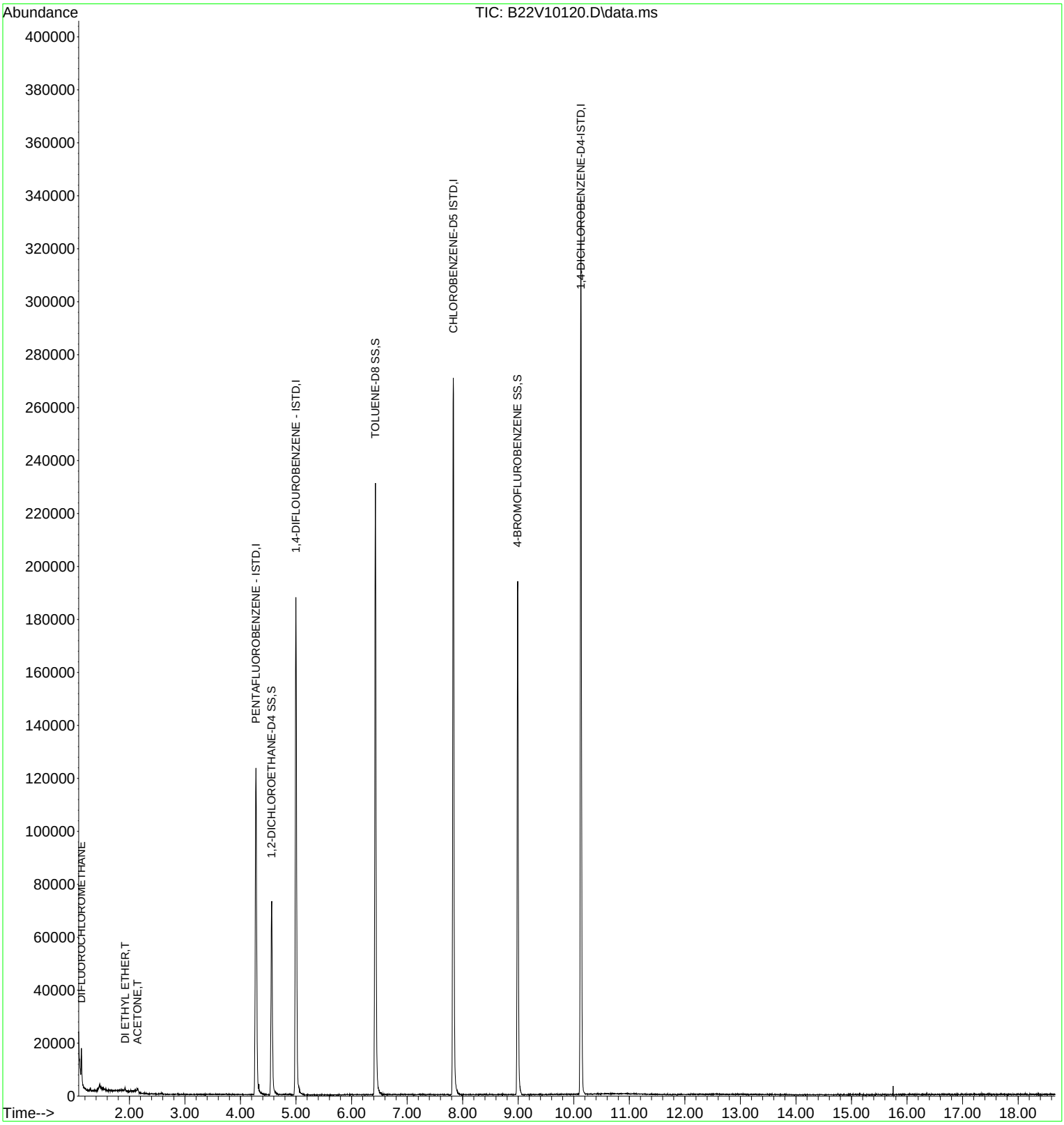
Quant Time: Apr 11 15:32:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

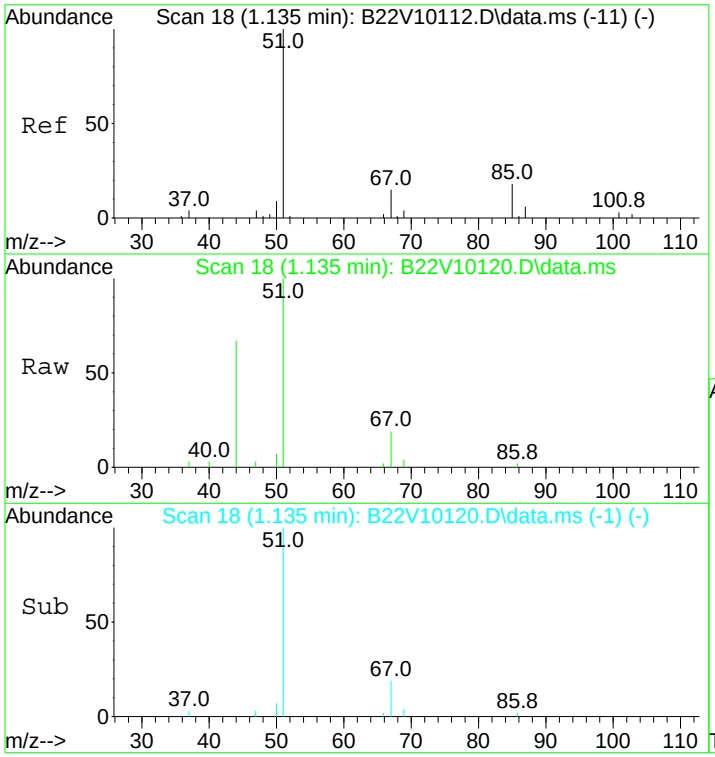
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	80865	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	127154	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	69023	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	76864	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	47237	22.67	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.68%			
45) TOLUENE-D8 SS	6.430	98	125090	23.53	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.12%			
66) 4-BROMOFLUROBENZENE SS	8.987	95	52025	24.28	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.12%			
Target Compounds						Qvalue
4) DIFLUOROCHLOROMETHANE	1.135	51	8400	3.66	UG/L	100
12) DI ETHYL ETHER	1.922	59	341m	0.31	UG/L	
14) ACETONE	2.144	43	1019	1.78	UG/L #	48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10120.D
Acq On : 11 Apr 2022 3:07 pm
Operator :
Sample : 22D0541-03 Inst : GCMSVOA2
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 11 15:32:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

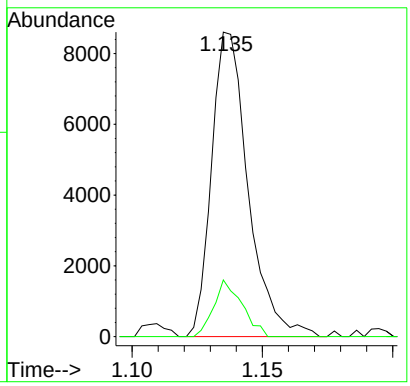


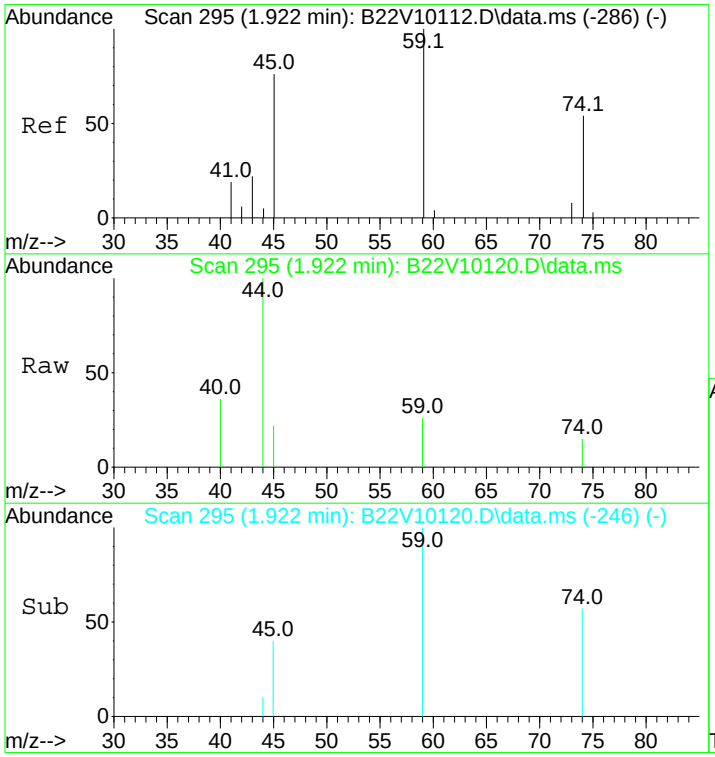


#4
DIFLUOROCHLOROMETHANE
Concen: 3.66 UG/L
RT: 1.135 min Scan# 18
Delta R.T. -0.002 min
Lab File: B22V10120.D
Acq: 11 Apr 2022 3:07 pm

Tgt Ion: 51 Resp: 8400

Ion	Ratio	Lower	Upper
51	100		
67	14.3	11.4	17.0

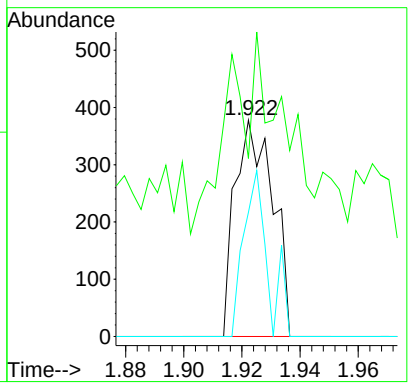


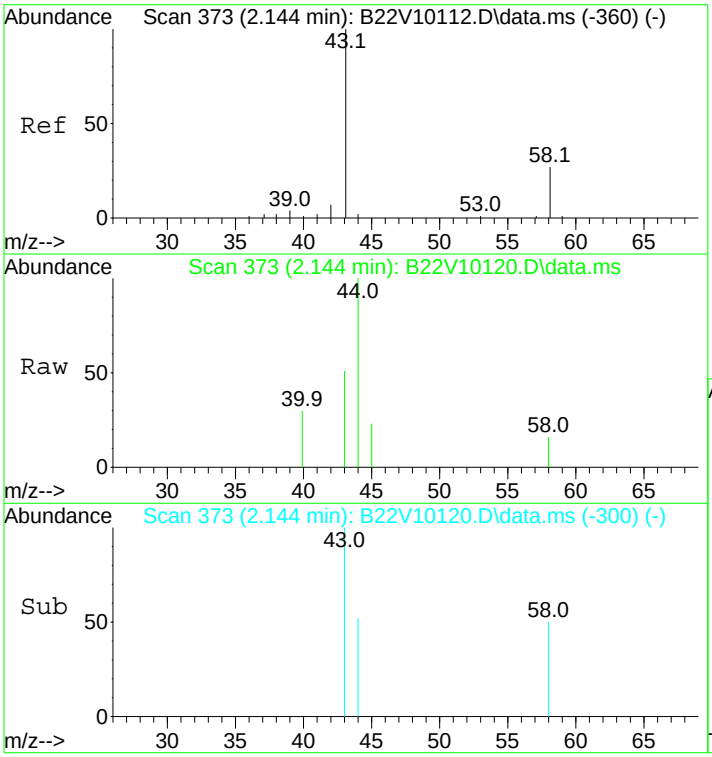


#12
DI ETHYL ETHER
Concen: 0.31 UG/L m
RT: 1.922 min Scan# 295
Delta R.T. -0.009 min
Lab File: B22V10120.D
Acq: 11 Apr 2022 3:07 pm

Tgt Ion: 59 Resp: 341

Ion	Ratio	Lower	Upper
59	100		
45	0.0	64.7	97.1#
74	0.0	44.4	66.6#

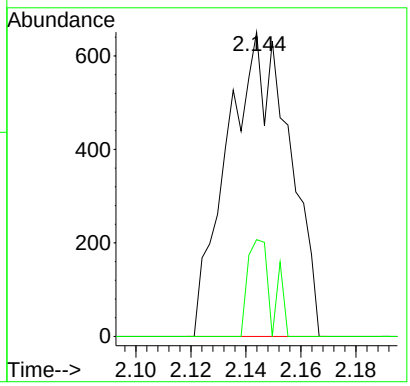




#14
ACETONE
Concen: 1.78 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10120.D
Acq: 11 Apr 2022 3:07 pm

Tgt Ion: 43 Resp: 1019

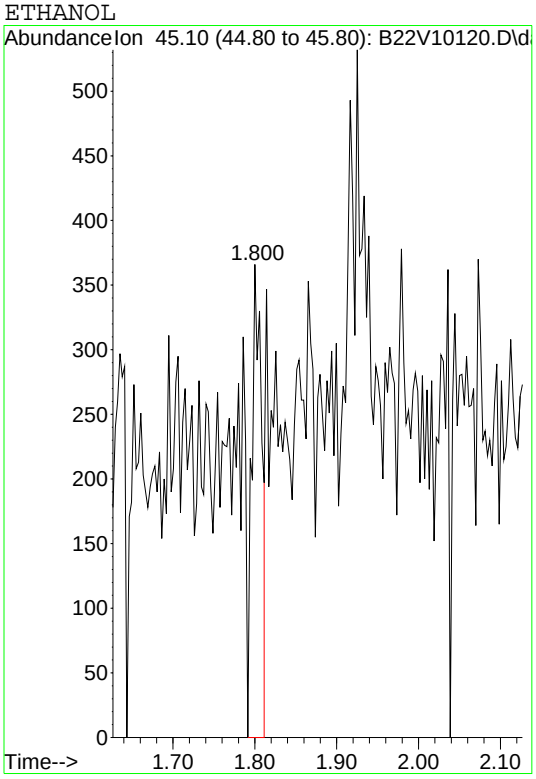
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10120.D
Acq On : 11 Apr 2022 3:07 pm
Operator :
Sample : 22D0541-03
Misc :

Quant Time : Mon Apr 11 15:32:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

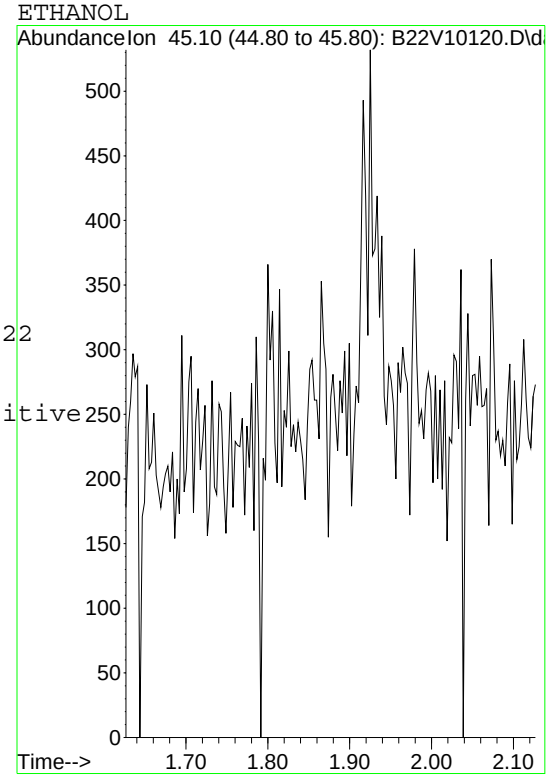
RT : 1.80
Area : 312
Amount: 11.9056

Manual Int. Results

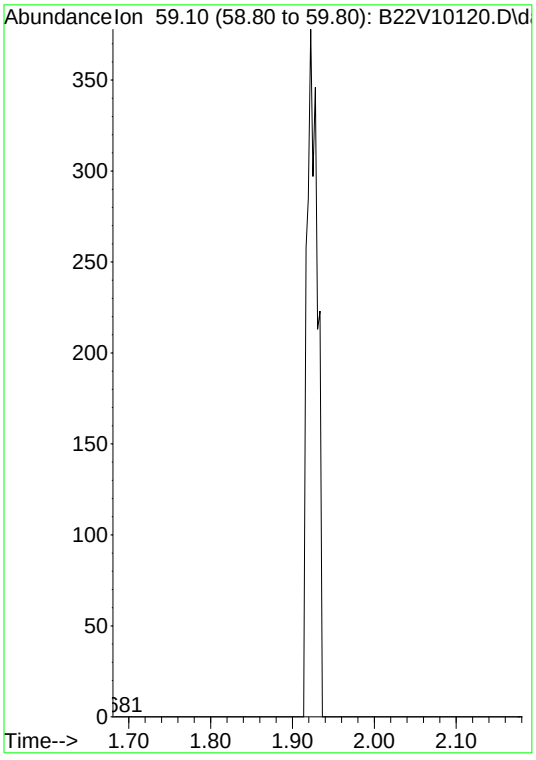
Mon Apr 11 15:32:20 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
DI ETHYL ETHER



Original Int. Results

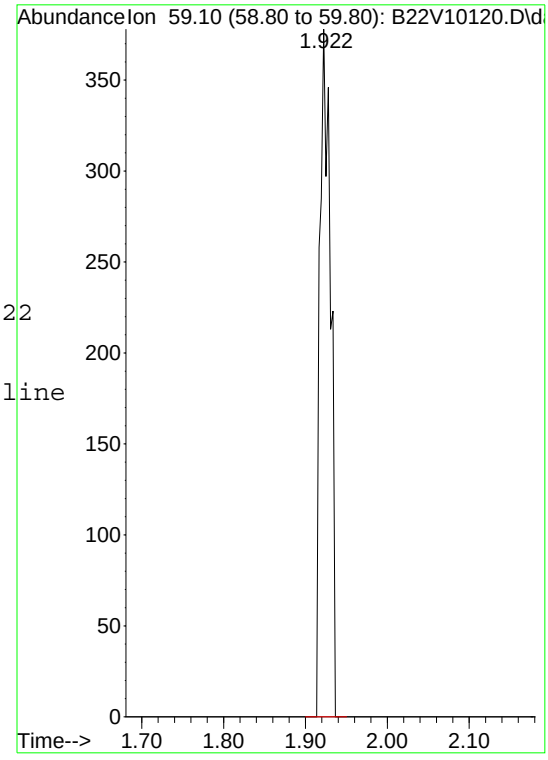
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Apr 11 15:32:25 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.92
Area : 341
Amount: 0.312558

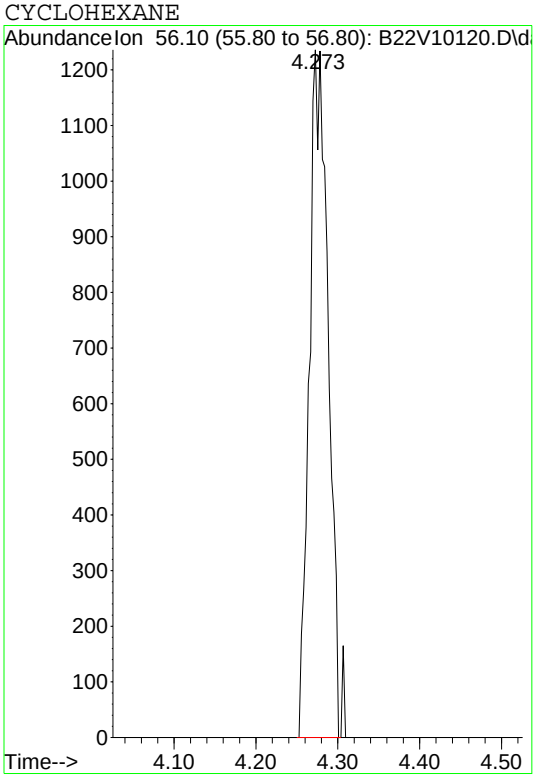
Manual Integration
DI ETHYL ETHER



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10120.D
Acq On : 11 Apr 2022 3:07 pm
Operator :
Sample : 22D0541-03
Misc :

Quant Time : Mon Apr 11 15:32:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

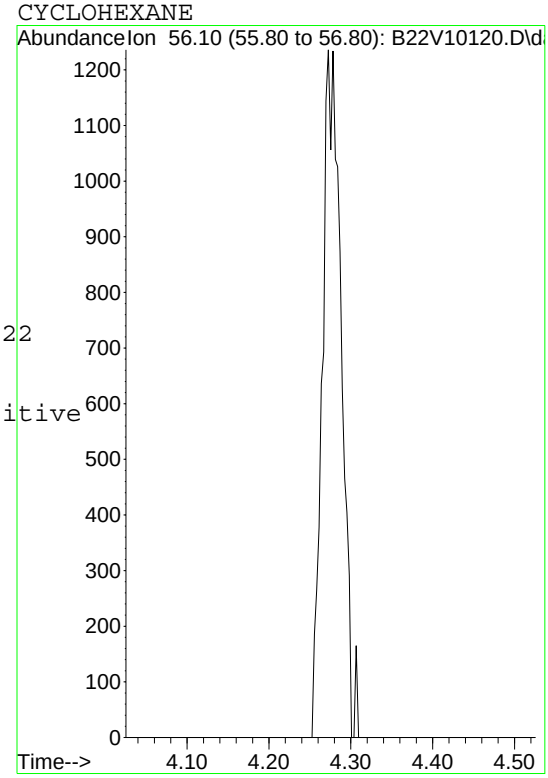
RT : 4.27
Area : 1971
Amount: 0.639605

Manual Int. Results

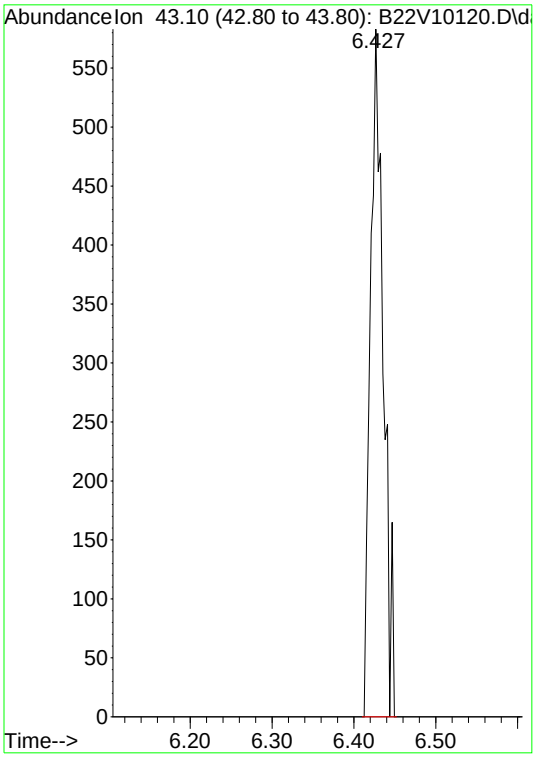
Mon Apr 11 15:32:45 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

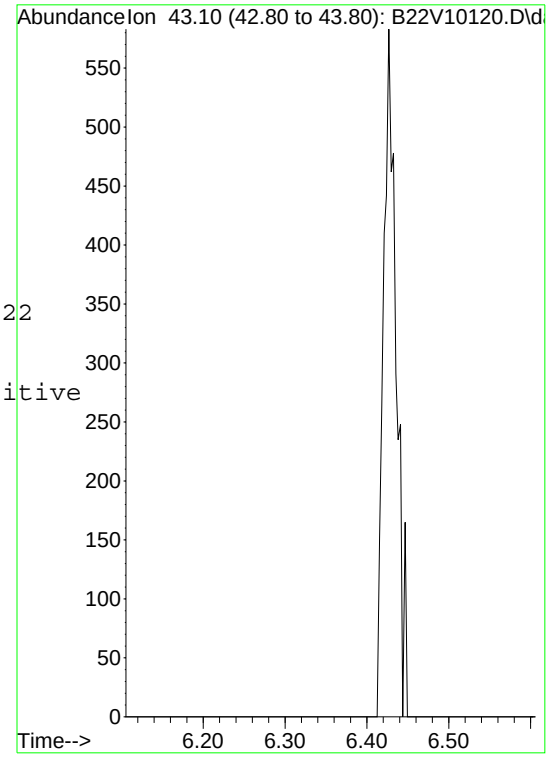
RT : 6.43
Area : 636
Amount: 0.337342

Manual Int. Results

Mon Apr 11 15:32:56 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04	File ID:	B22V10121.D
Sampled:	04/06/22 00:00	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 15:34
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	2.0	2.0	50	J
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04	File ID:	B22V10121.D
Sampled:	04/06/22 00:00	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 15:34
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04	File ID:	B22V10121.D
Sampled:	04/06/22 00:00	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 15:34
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10121.D
Acq On : 11 Apr 2022 3:34 pm
Operator :
Sample : 22D0541-04 Inst : GCMSVOA2
Misc :
ALS Vial : 21 Sample Multiplier: 1

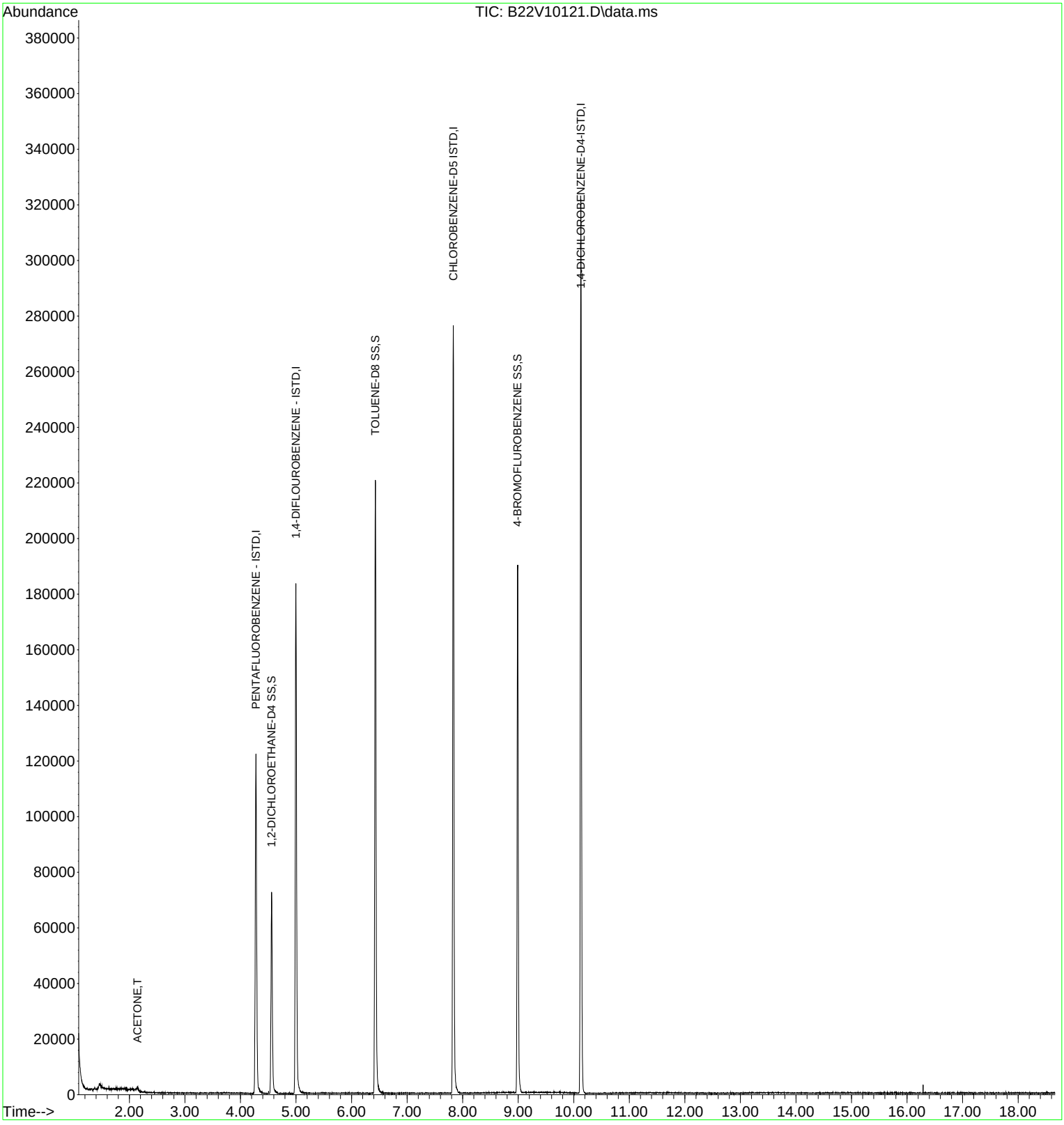
Quant Time: Apr 12 10:33:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

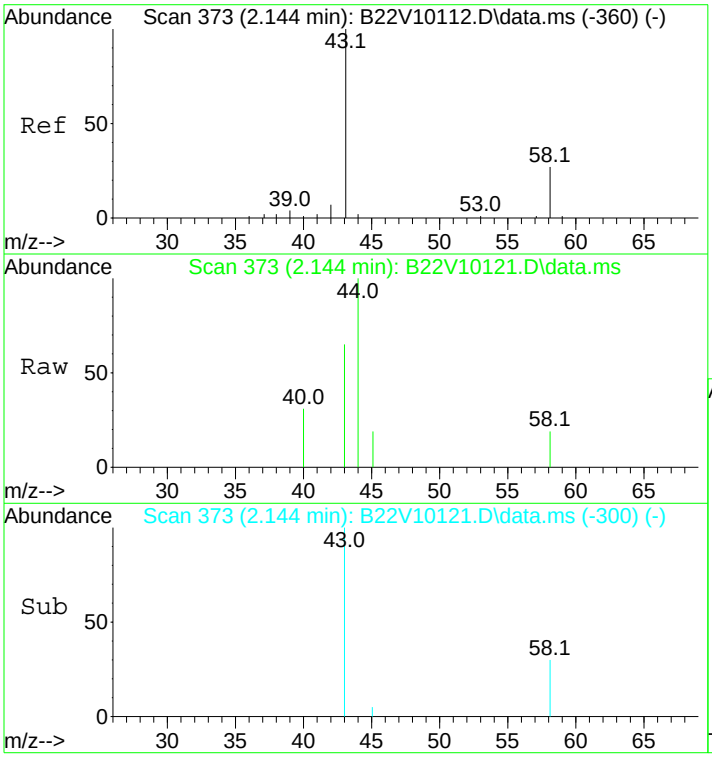
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	78255	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	123190	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	68040	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	73826	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45927	22.78	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.12%			
45) TOLUENE-D8 SS	6.427	98	122510	23.79	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.16%			
66) 4-BROMOFLUROBENZENE SS	8.987	95	51591	24.43	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.72%			
Target Compounds						Qvalue
14) ACETONE	2.144	43	1136	2.05	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10121.D
Acq On : 11 Apr 2022 3:34 pm
Operator :
Sample : 22D0541-04 Inst : GCMSVOA2
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 12 10:33:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

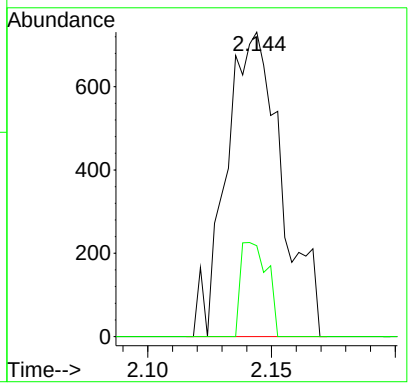




#14
ACETONE
Concen: 2.05 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10121.D
Acq: 11 Apr 2022 3:34 pm

Tgt Ion: 43 Resp: 1136

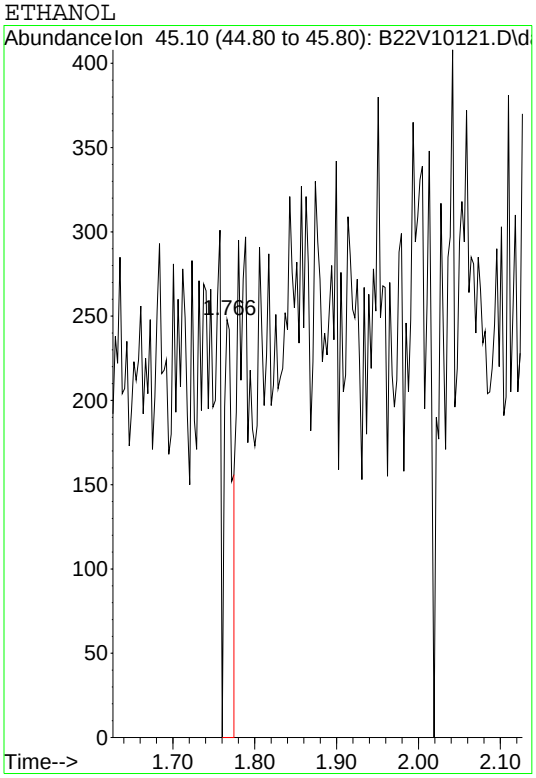
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10121.D
Acq On : 11 Apr 2022 3:34 pm
Operator :
Sample : 22D0541-04
Misc :

Quant Time : Tue Apr 12 10:33:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

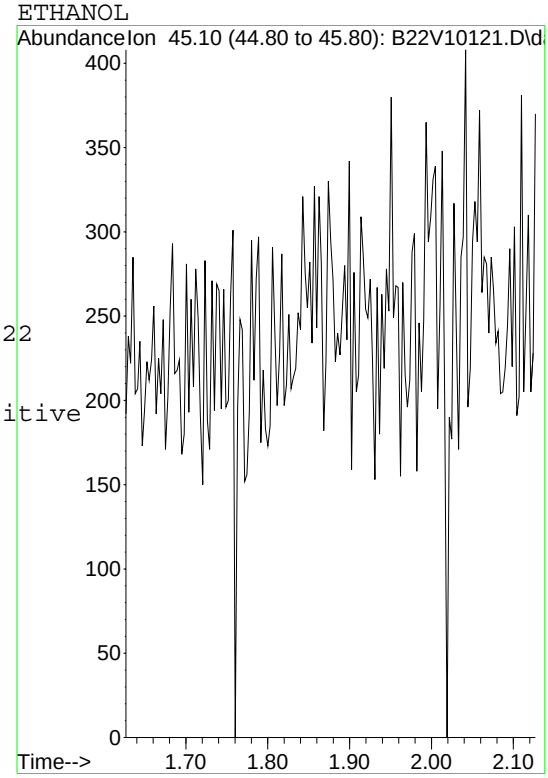
RT : 1.77
Area : 169
Amount: 6.66397

Manual Int. Results

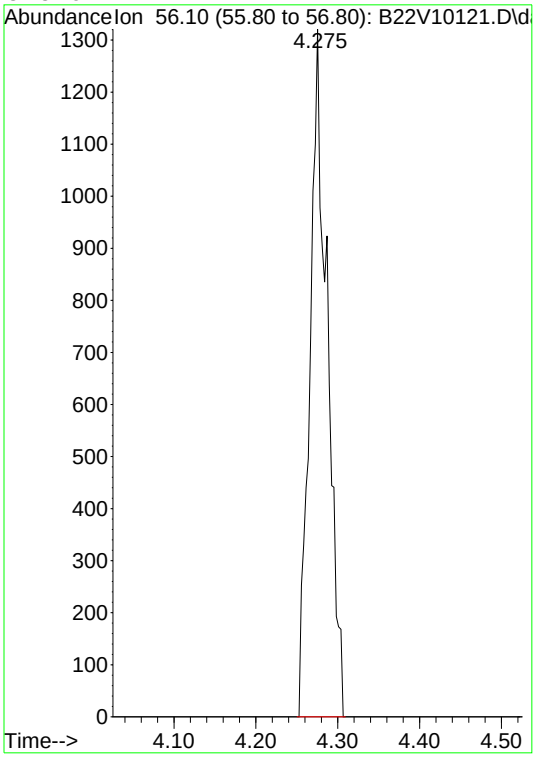
Tue Apr 12 10:32:47 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

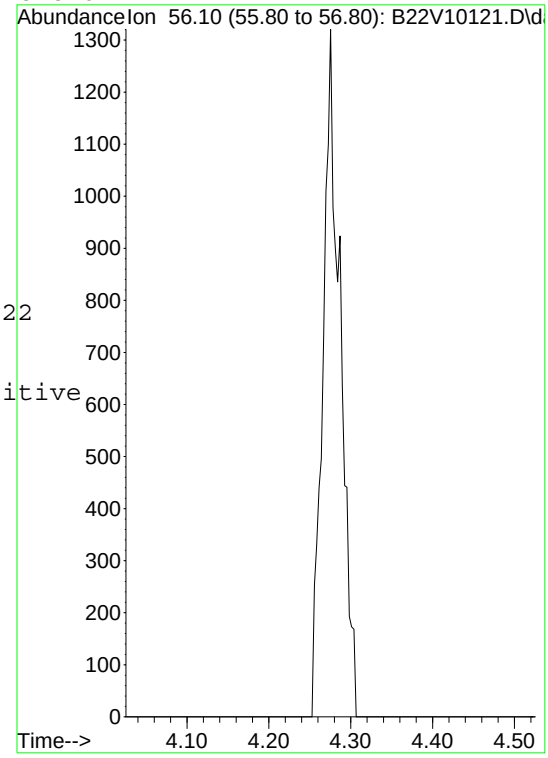
RT : 4.28
Area : 1940
Amount: 0.650542

Manual Int. Results

Tue Apr 12 10:33:05 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

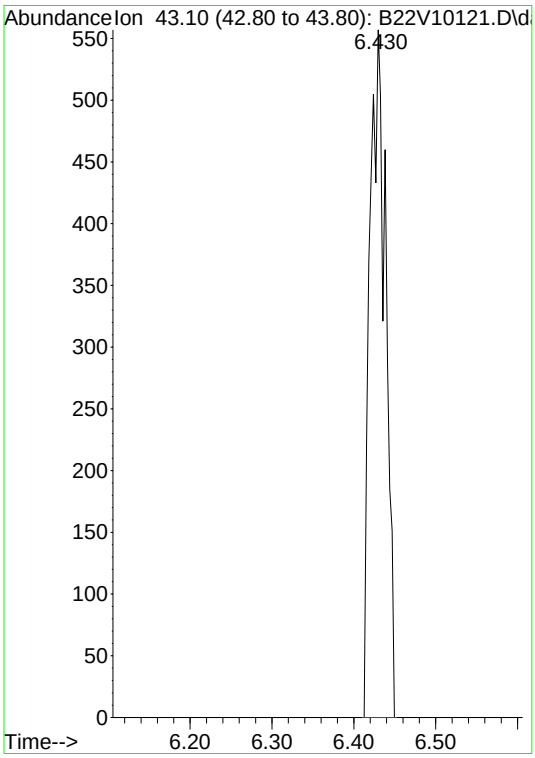
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10121.D
Acq On : 11 Apr 2022 3:34 pm
Operator :
Sample : 22D0541-04
Misc :

Quant Time : Tue Apr 12 10:33:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

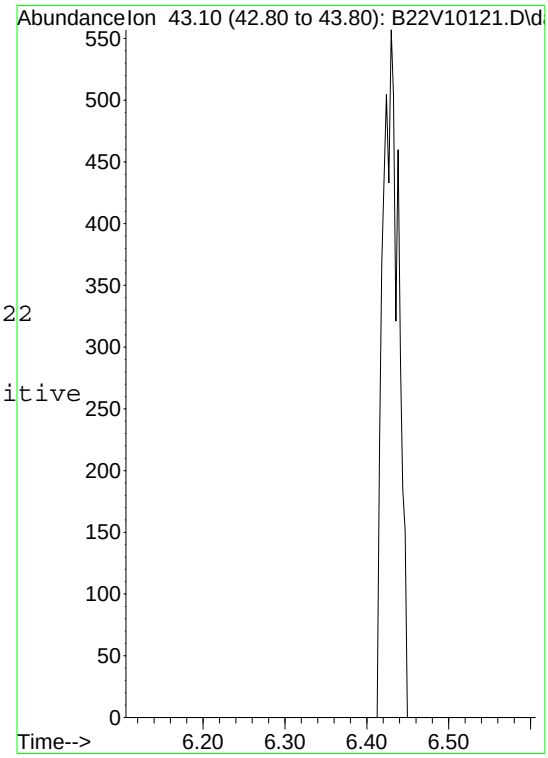
RT : 6.43
Area : 756
Amount: 0.413895

Manual Int. Results

Tue Apr 12 10:33:12 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05	File ID:	B22V10122.D
Sampled:	04/05/22 13:11	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:00
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05	File ID:	B22V10122.D
Sampled:	04/05/22 13:11	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:00
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05	File ID:	B22V10122.D
Sampled:	04/05/22 13:11	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:00
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10122.D
Acq On : 11 Apr 2022 4:00 pm
Operator :
Sample : 22D0541-05 Inst : GCMSVOA2
Misc :
ALS Vial : 22 Sample Multiplier: 1

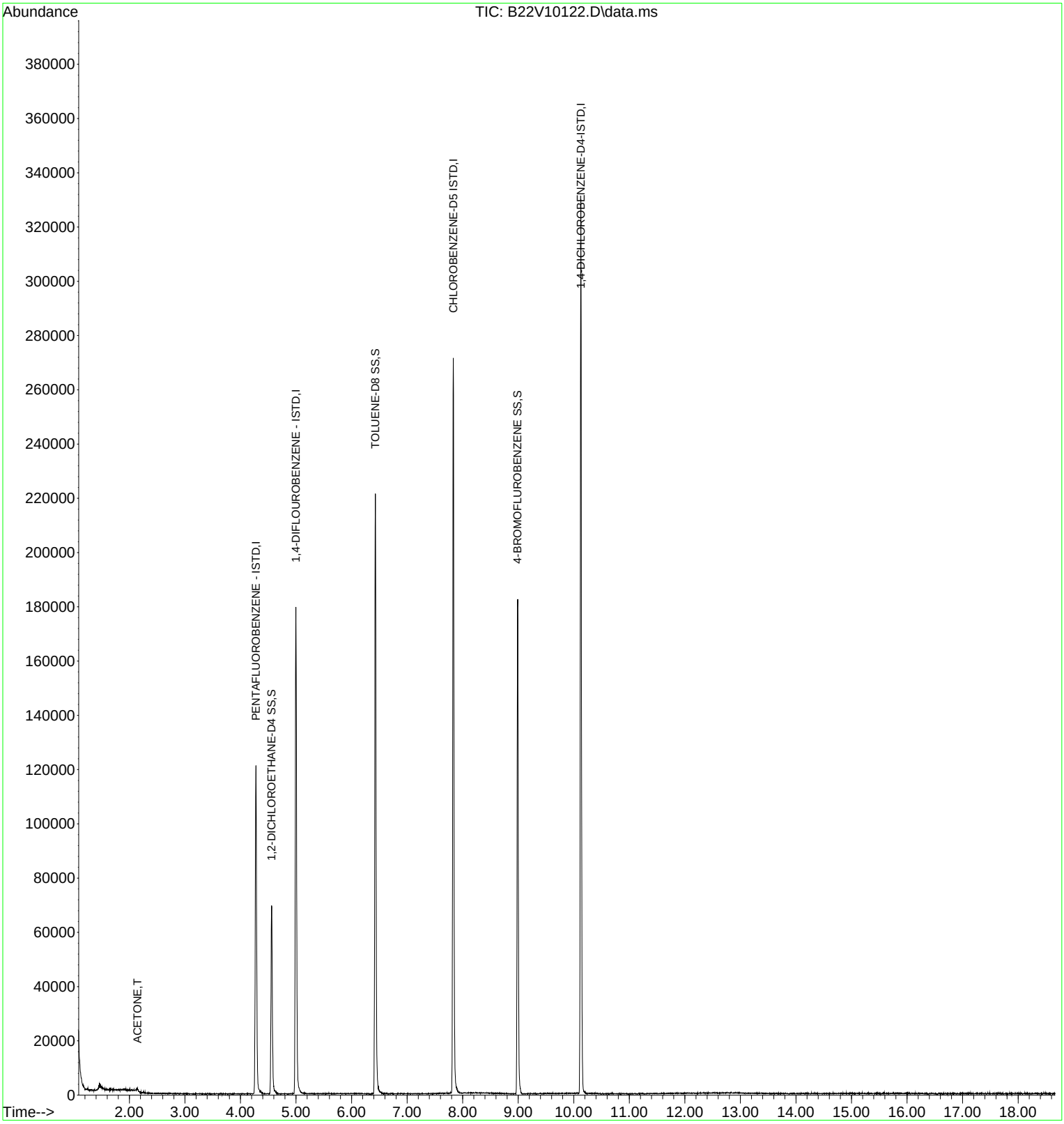
Quant Time: Apr 12 10:34:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

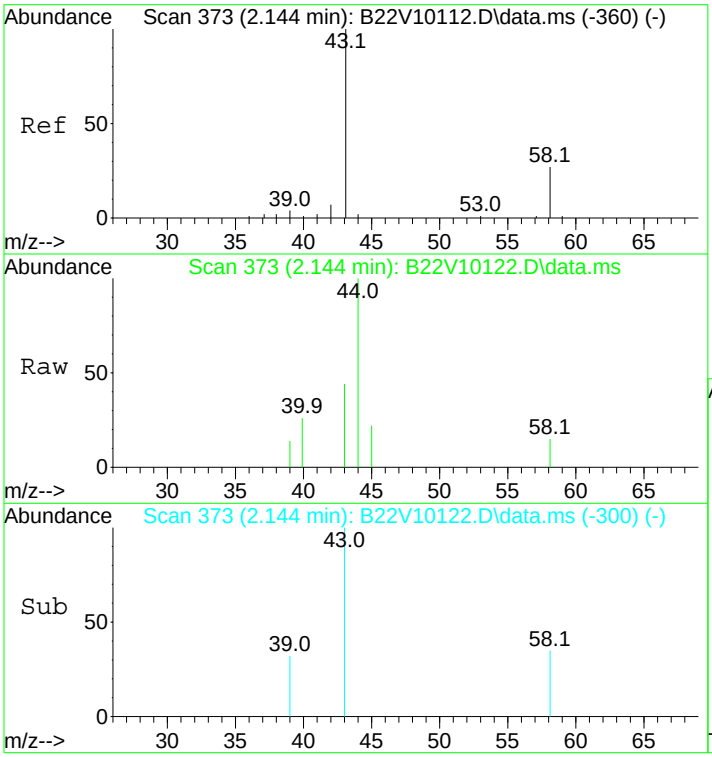
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	77237	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	121735	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66594	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	76428	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45168	22.69	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.76%			
45) TOLUENE-D8 SS	6.427	98	120829	23.74	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.96%			
66) 4-BROMOFLUROBENZENE SS	8.988	95	49908	24.15	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.60%			
Target Compounds						Qvalue
14) ACETONE	2.144	43	732	1.34	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10122.D
Acq On : 11 Apr 2022 4:00 pm
Operator :
Sample : 22D0541-05 Inst : GCMSVOA2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 12 10:34:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

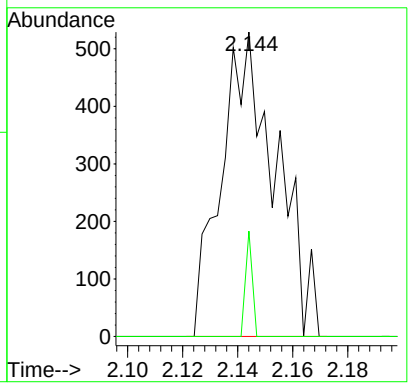




#14
ACETONE
Concen: 1.34 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10122.D
Acq: 11 Apr 2022 4:00 pm

Tgt Ion: 43 Resp: 732

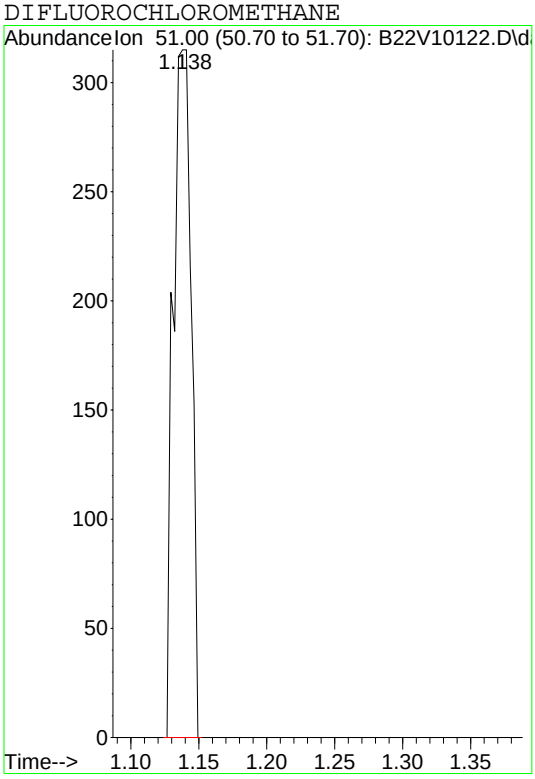
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10122.D
Acq On : 11 Apr 2022 4:00 pm
Operator :
Sample : 22D0541-05
Misc :

Quant Time : Tue Apr 12 10:34:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
DIFLUOROCHLOROMETHANE



Original Int. Results

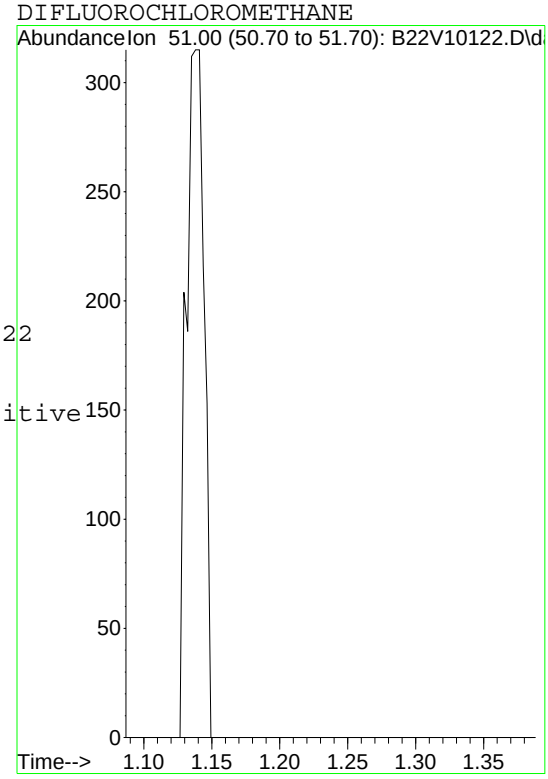
RT : 1.14
Area : 290
Amount: 0.132187

Manual Int. Results

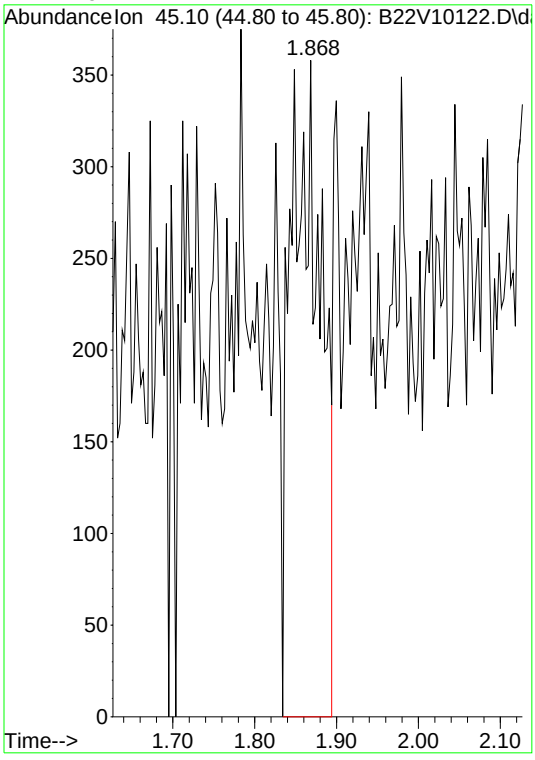
Tue Apr 12 10:33:52 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
DIFLUOROCHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

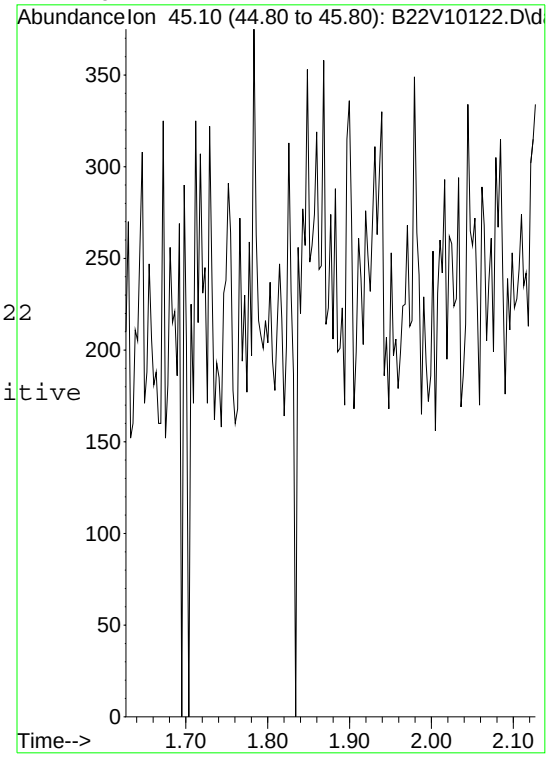
RT : 1.87
Area : 905
Amount: 36.1561

Manual Int. Results

Tue Apr 12 10:33:57 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

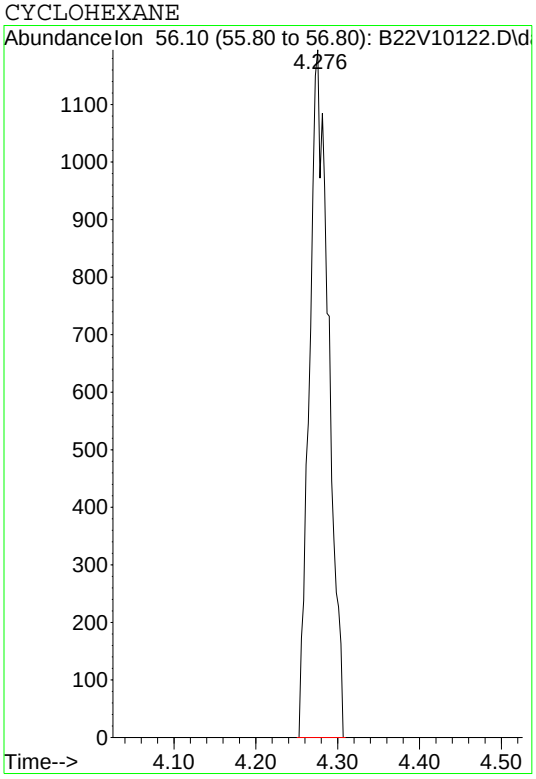
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10122.D
Acq On : 11 Apr 2022 4:00 pm
Operator :
Sample : 22D0541-05
Misc :

Quant Time : Tue Apr 12 10:34:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

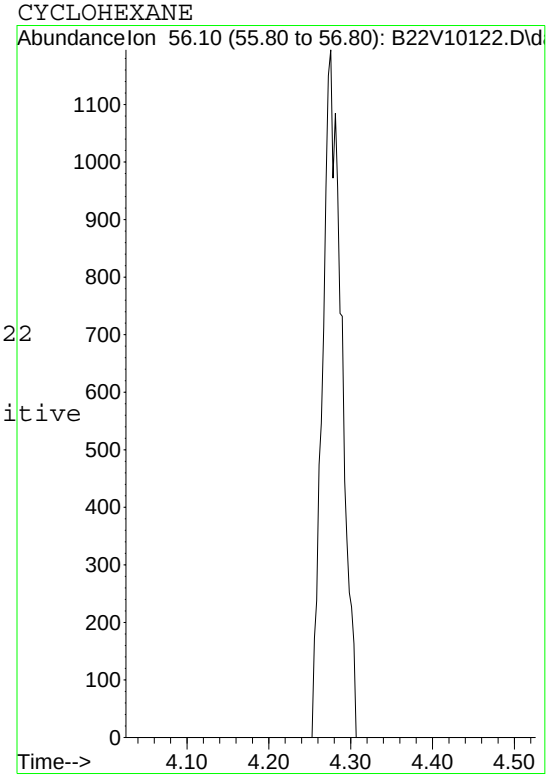
RT : 4.28
Area : 1936
Amount: 0.657757

Manual Int. Results

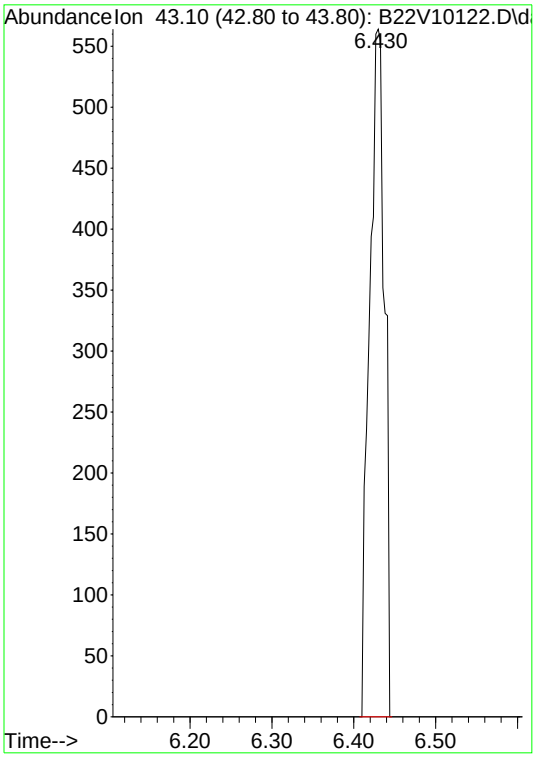
Tue Apr 12 10:34:10 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

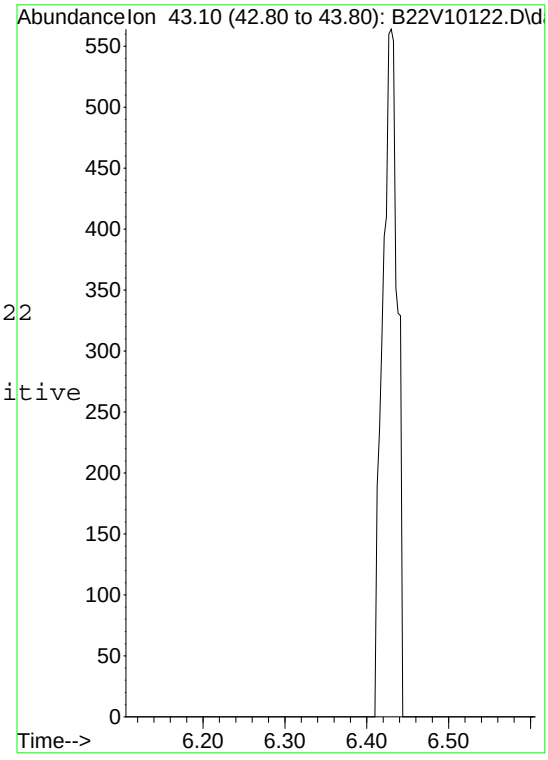
RT : 6.43
Area : 720
Amount: 0.398897

Manual Int. Results

Tue Apr 12 10:34:18 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06	File ID:	B22V10123.D
Sampled:	04/06/22 13:03	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:26
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06	File ID:	B22V10123.D
Sampled:	04/06/22 13:03	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:26
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06	File ID:	B22V10123.D
Sampled:	04/06/22 13:03	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:26
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10123.D
Acq On : 11 Apr 2022 4:26 pm
Operator :
Sample : 22D0541-06 Inst : GCMSVOA2
Misc :
ALS Vial : 23 Sample Multiplier: 1

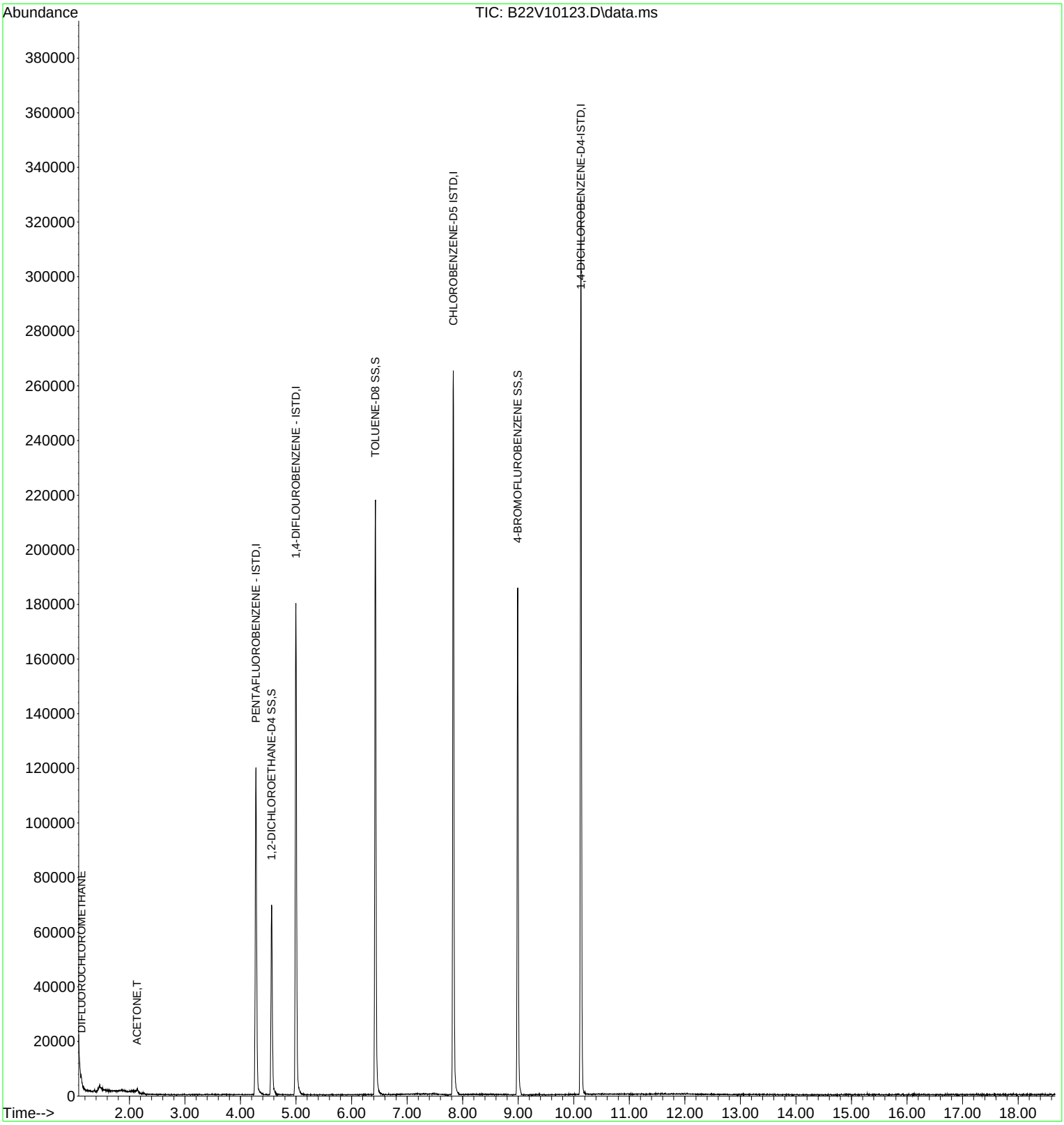
Quant Time: Apr 12 10:35:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

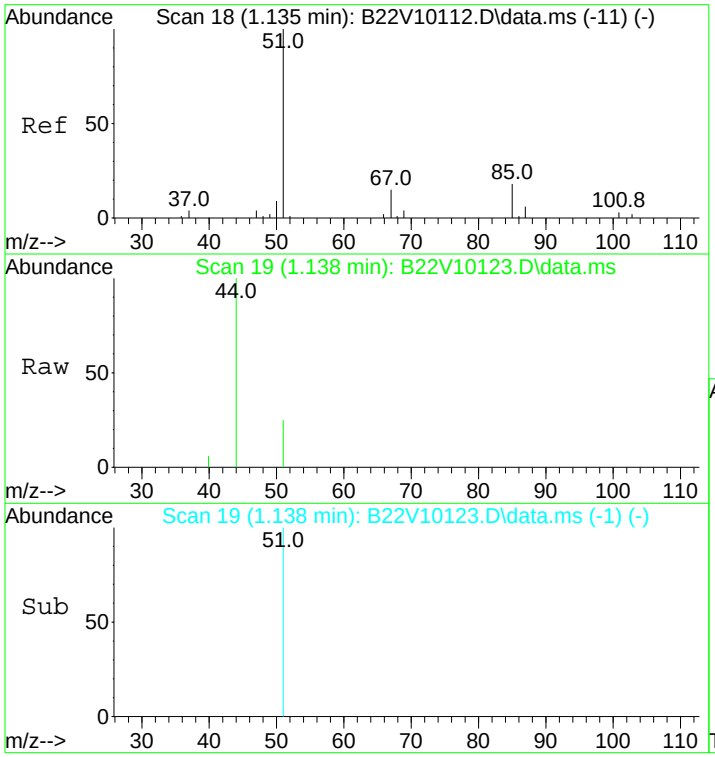
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	77253	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	121868	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	67612	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	76789	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45539	22.88	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.52%			
45) TOLUENE-D8 SS	6.427	98	120442	23.64	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.56%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	50382	24.01	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.04%			
Target Compounds						Qvalue
4) DIFLUOROCHLOROMETHANE	1.138	51	1089	0.50	UG/L	# 65
14) ACETONE	2.138	43	898	1.64	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10123.D
Acq On : 11 Apr 2022 4:26 pm
Operator :
Sample : 22D0541-06 Inst : GCMSVOA2
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 12 10:35:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

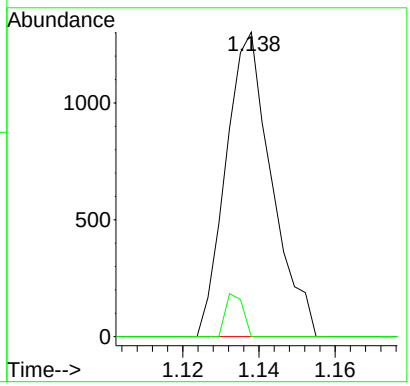


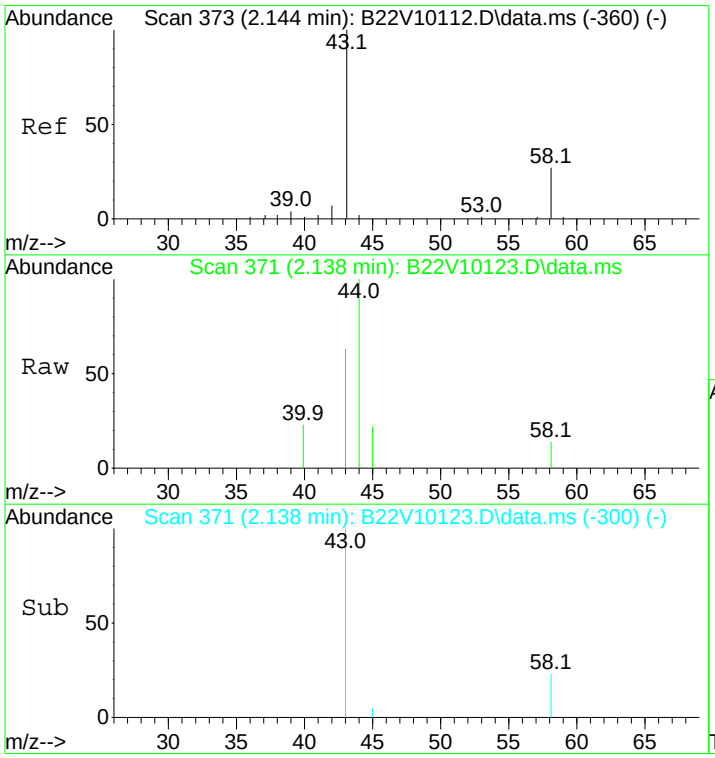


#4
DIFLUOROCHLOROMETHANE
Concen: 0.50 UG/L
RT: 1.138 min Scan# 19
Delta R.T. 0.001 min
Lab File: B22V10123.D
Acq: 11 Apr 2022 4:26 pm

Tgt Ion: 51 Resp: 1089

Ion	Ratio	Lower	Upper
51	100		
67	0.0	11.4	17.0#

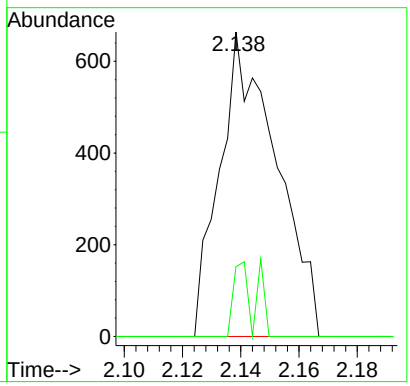




#14
ACETONE
Concen: 1.64 UG/L
RT: 2.138 min Scan# 371
Delta R.T. -0.011 min
Lab File: B22V10123.D
Acq: 11 Apr 2022 4:26 pm

Tgt Ion: 43 Resp: 898

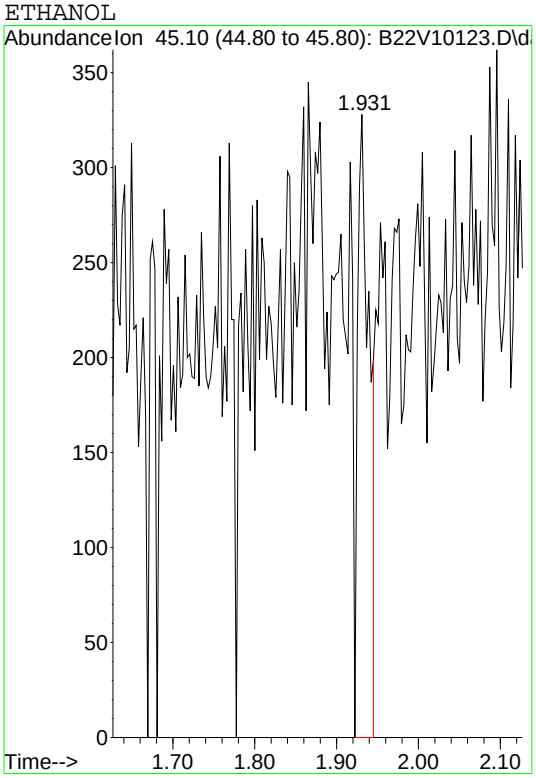
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10123.D
Acq On : 11 Apr 2022 4:26 pm
Operator :
Sample : 22D0541-06
Misc :

Quant Time : Tue Apr 12 10:35:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

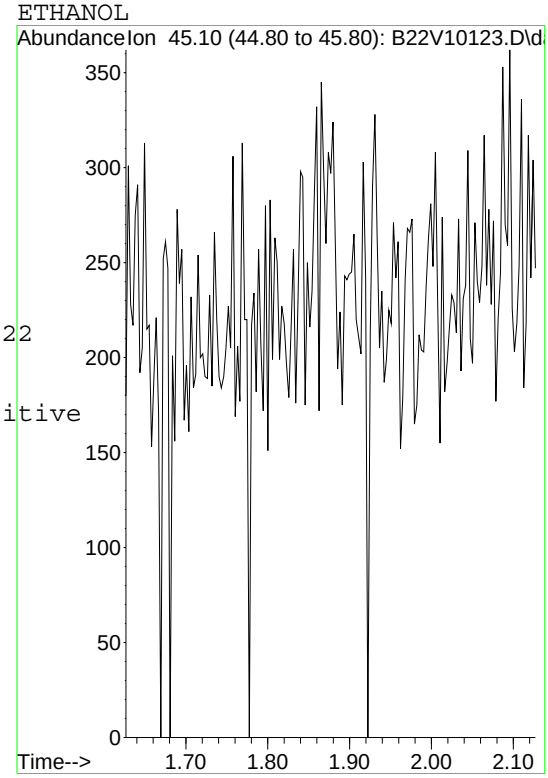
RT : 1.93
Area : 327
Amount: 13.0614

Manual Int. Results

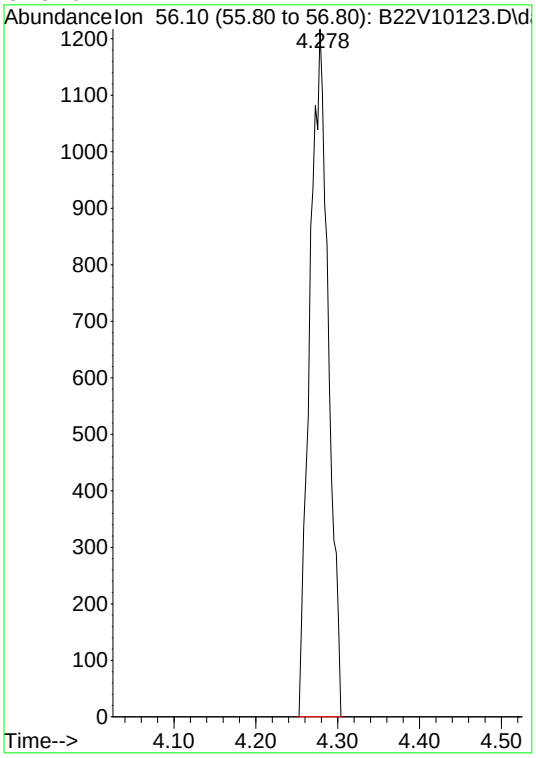
Tue Apr 12 10:34:58 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

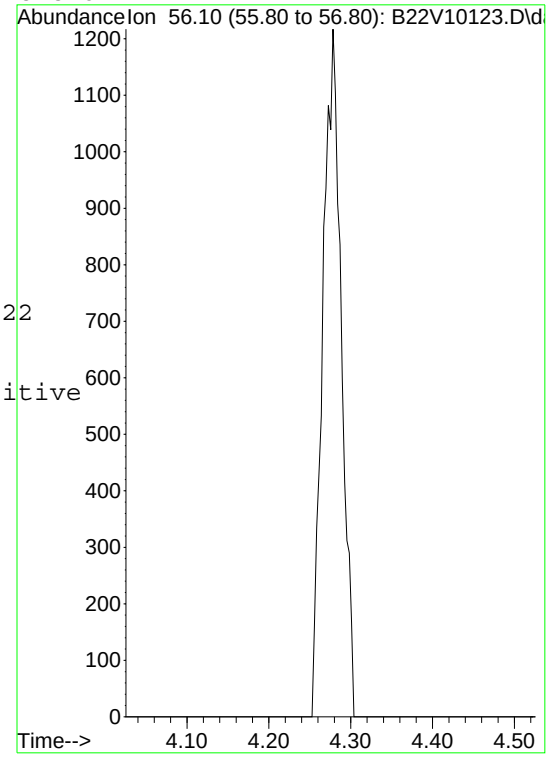
RT : 4.28
Area : 1916
Amount: 0.650827

Manual Int. Results

Tue Apr 12 10:35:11 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

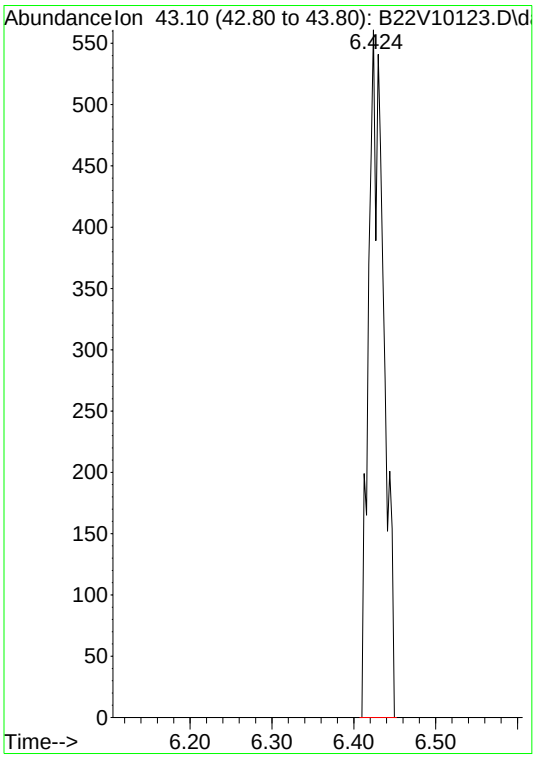
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10123.D
Acq On : 11 Apr 2022 4:26 pm
Operator :
Sample : 22D0541-06
Misc :

Quant Time : Tue Apr 12 10:35:28 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

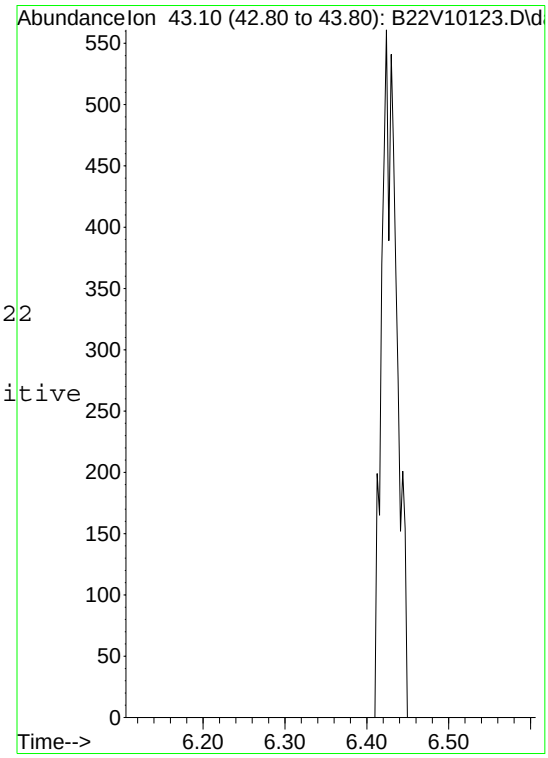
RT : 6.42
Area : 732
Amount: 0.405103

Manual Int. Results

Tue Apr 12 10:35:27 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07	File ID:	B22V10124.D
Sampled:	04/06/22 10:59	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07	File ID:	B22V10124.D
Sampled:	04/06/22 10:59	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07	File ID:	B22V10124.D
Sampled:	04/06/22 10:59	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 16:53
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10124.D
Acq On : 11 Apr 2022 4:53 pm
Operator :
Sample : 22D0541-07 Inst : GCMSVOA2
Misc :
ALS Vial : 24 Sample Multiplier: 1

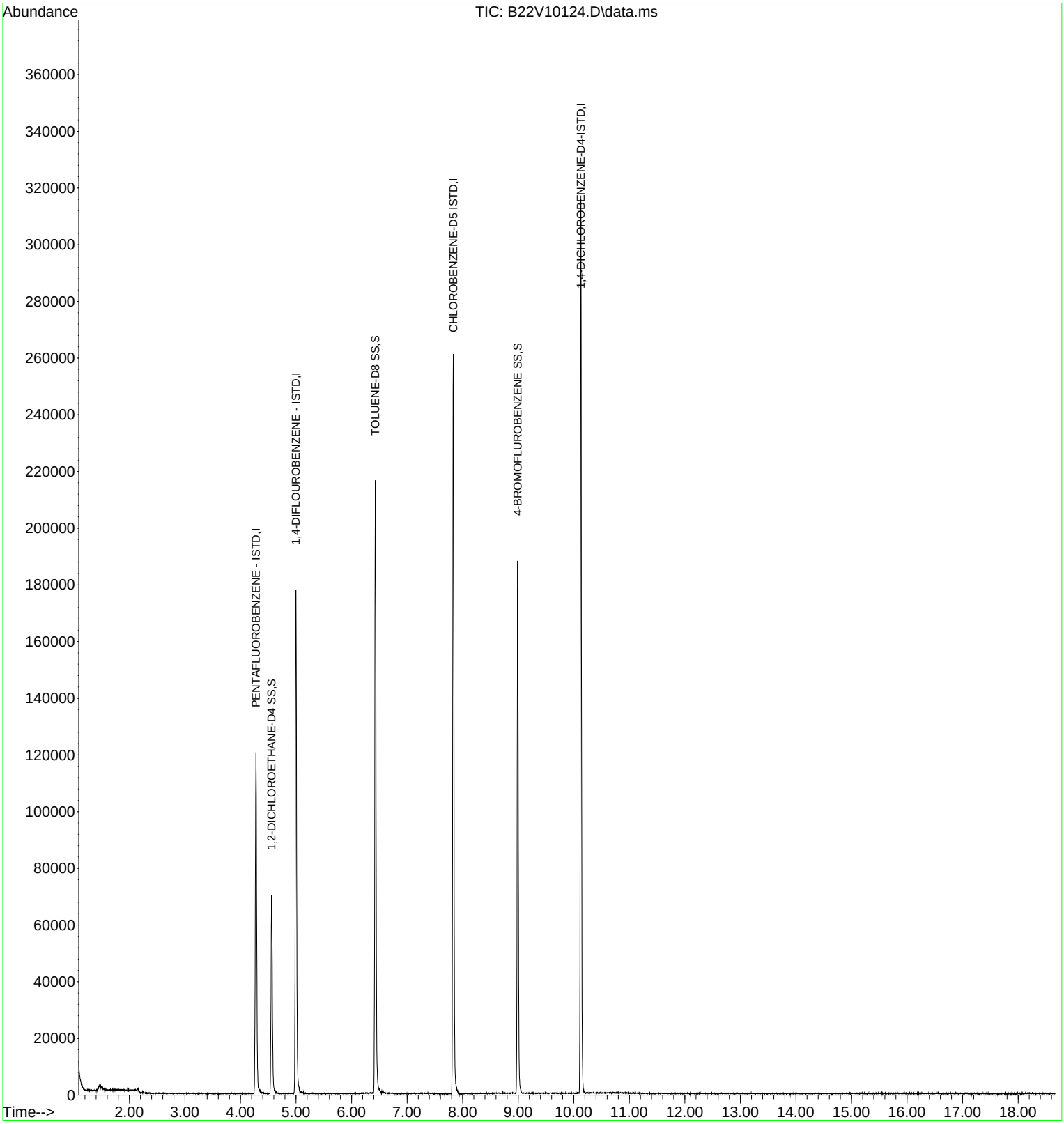
Quant Time: Apr 12 10:36:37 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	76780	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	121198	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.833	82	66603	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	72592	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45056	22.77	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.08%			
45) TOLUENE-D8 SS	6.430	98	119013	23.49	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.96%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	49968	24.17	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.68%			
Target Compounds						Qvalue

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10124.D
Acq On : 11 Apr 2022 4:53 pm
Operator :
Sample : 22D0541-07 Inst : GCMSVOA2
Misc :
ALS Vial : 24 Sample Multiplier: 1

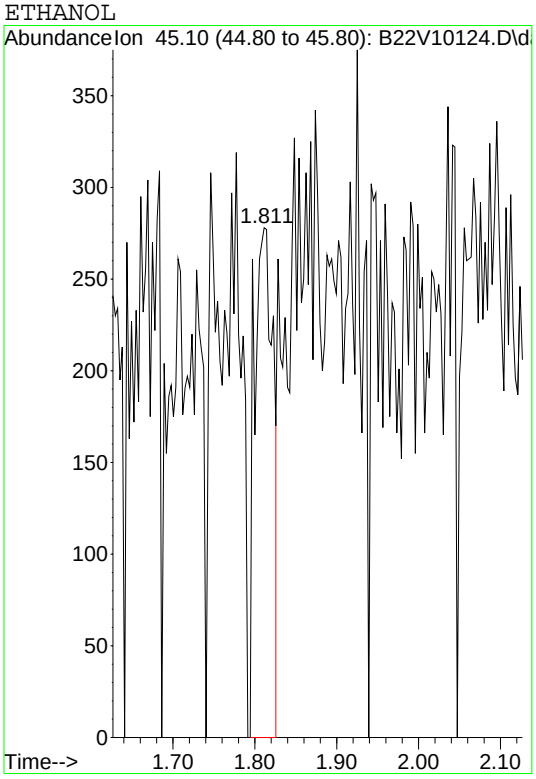
Quant Time: Apr 12 10:36:37 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10124.D
Acq On : 11 Apr 2022 4:53 pm
Operator :
Sample : 22D0541-07
Misc :

Quant Time : Tue Apr 12 10:36:37 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

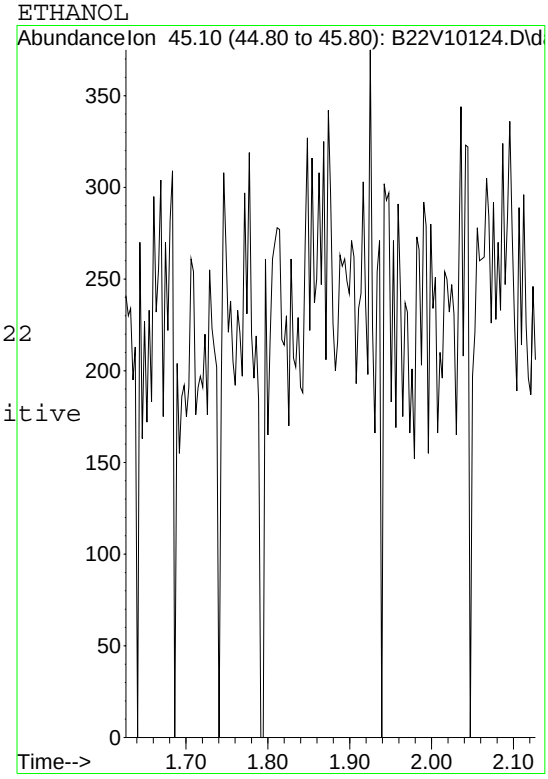
RT : 1.81
Area : 437
Amount: 17.5627

Manual Int. Results

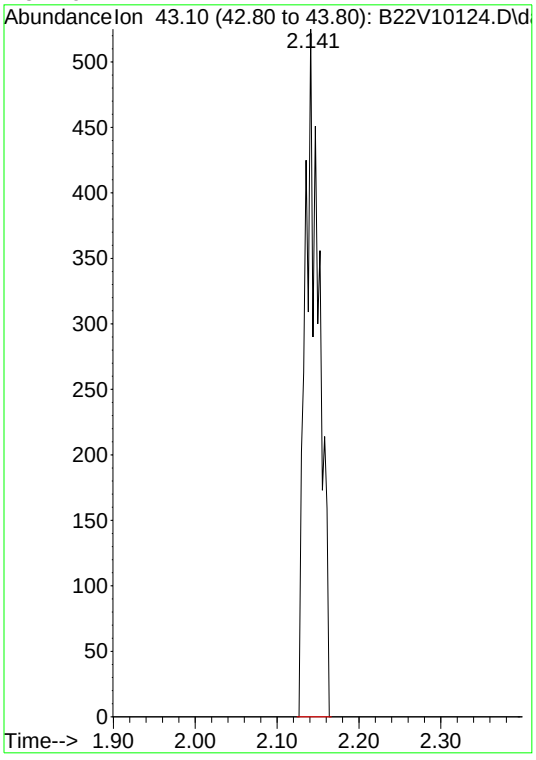
Tue Apr 12 10:36:11 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
ACETONE



Original Int. Results

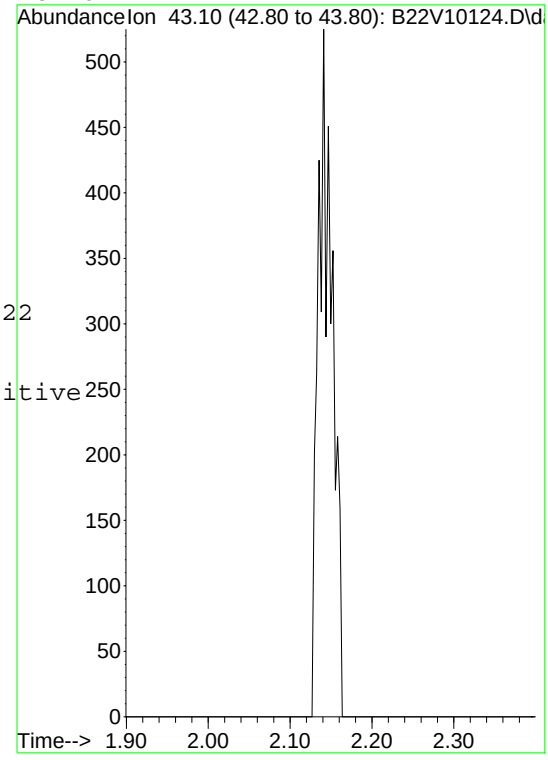
RT : 2.14
Area : 625
Amount: 1.14792

Manual Int. Results

Tue Apr 12 10:36:16 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

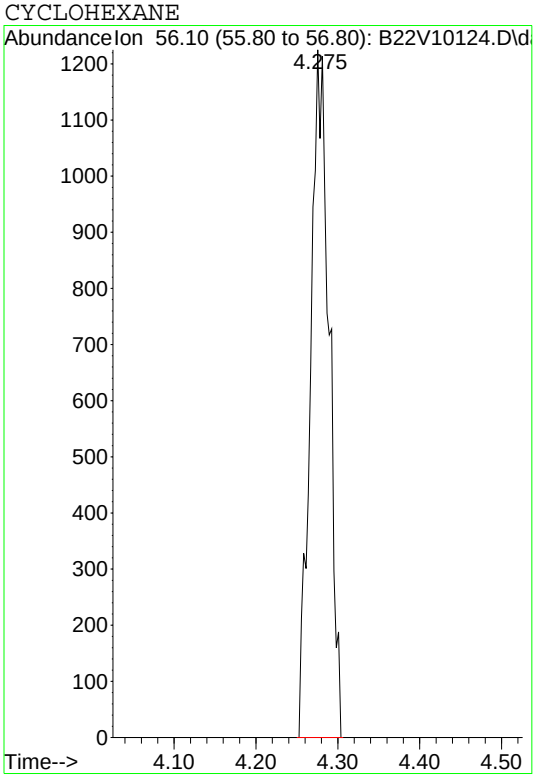
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10124.D
Acq On : 11 Apr 2022 4:53 pm
Operator :
Sample : 22D0541-07
Misc :

Quant Time : Tue Apr 12 10:36:37 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

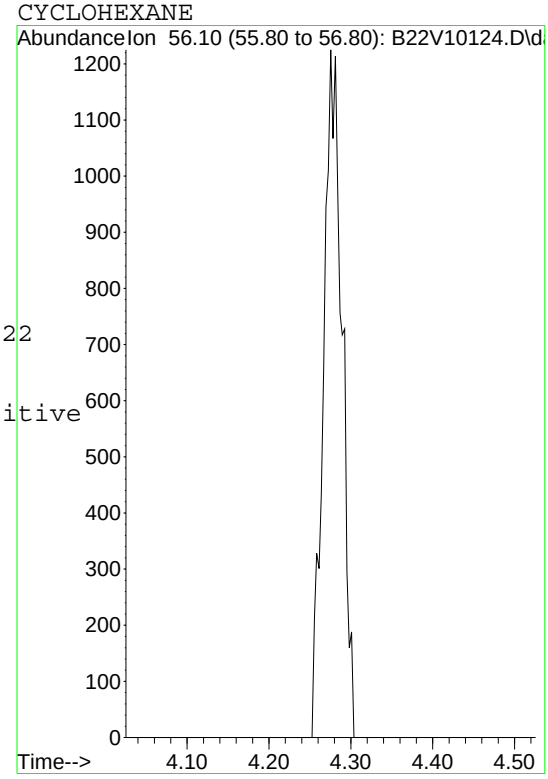
RT : 4.28
Area : 1914
Amount: 0.654153

Manual Int. Results

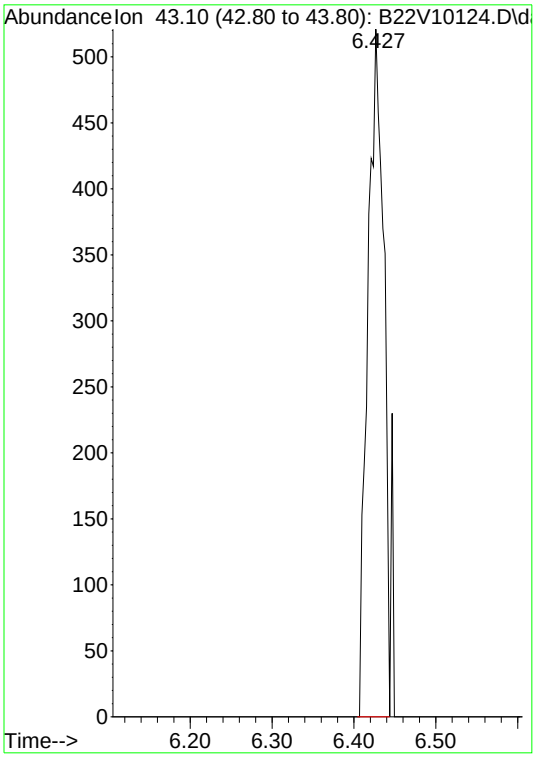
Tue Apr 12 10:36:28 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

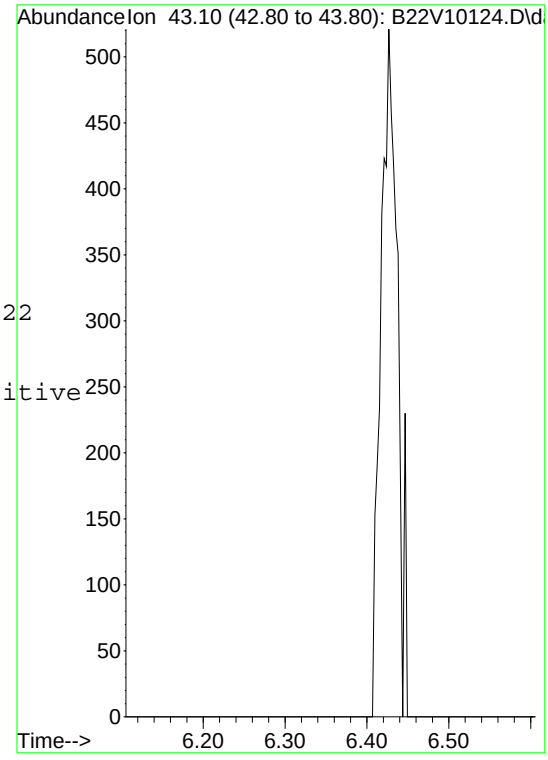
RT : 6.43
Area : 698
Amount: 0.388422

Manual Int. Results

Tue Apr 12 10:36:36 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08	File ID:	B22V10125.D
Sampled:	04/05/22 15:42	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 17:19
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08	File ID:	B22V10125.D
Sampled:	04/05/22 15:42	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 17:19
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08	File ID:	B22V10125.D
Sampled:	04/05/22 15:42	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 17:19
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10125.D
Acq On : 11 Apr 2022 5:19 pm
Operator :
Sample : 22D0541-08 Inst : GCMSVOA2
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 12 10:45:02 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

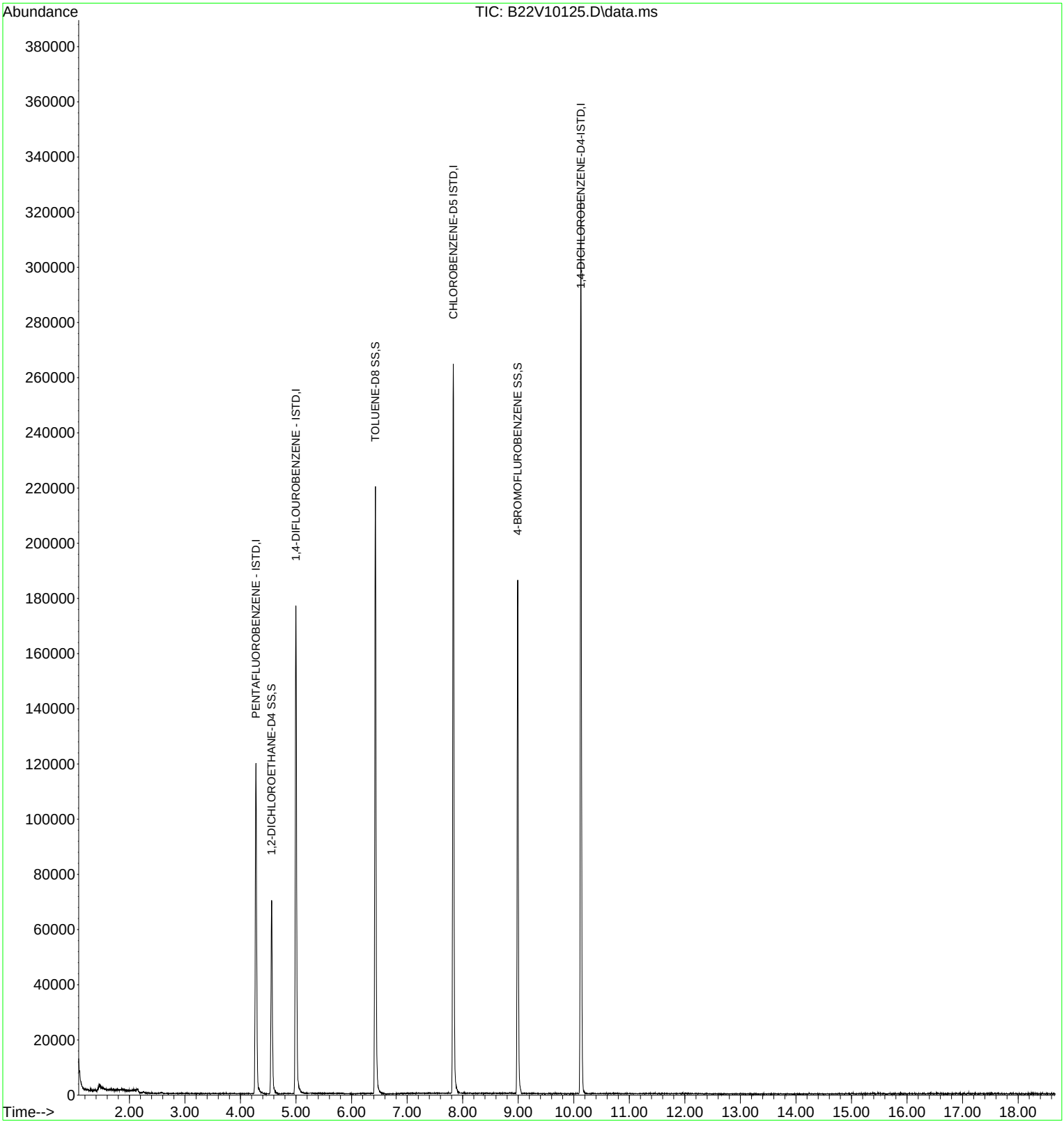
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	76179	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	120711	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66419	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	75446	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44772	22.81	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.24%			
45) TOLUENE-D8 SS	6.430	98	119866	23.76	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.04%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	50016	24.26	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.04%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10125.D
Acq On : 11 Apr 2022 5:19 pm
Operator :
Sample : 22D0541-08 Inst : GCMSVOA2
Misc :
ALS Vial : 25 Sample Multiplier: 1

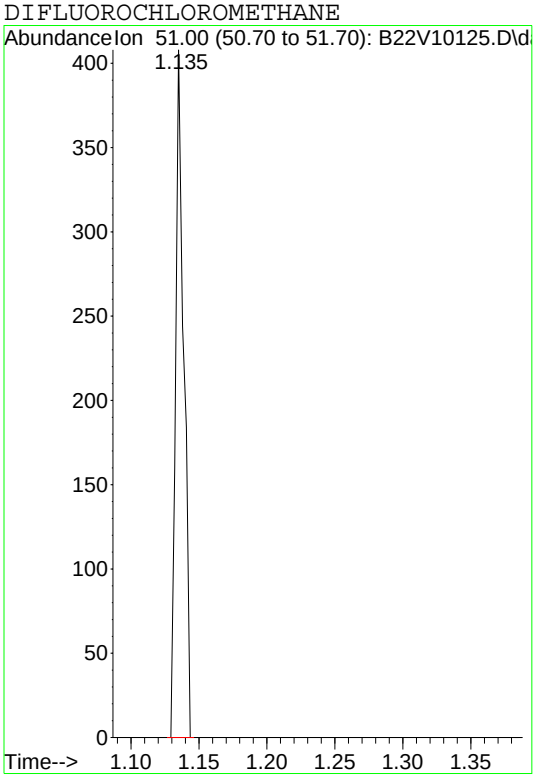
Quant Time: Apr 12 10:45:02 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10125.D
Acq On : 11 Apr 2022 5:19 pm
Operator :
Sample : 22D0541-08
Misc :

Quant Time : Tue Apr 12 10:45:02 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
DIFLUOROCHLOROMETHANE



Original Int. Results

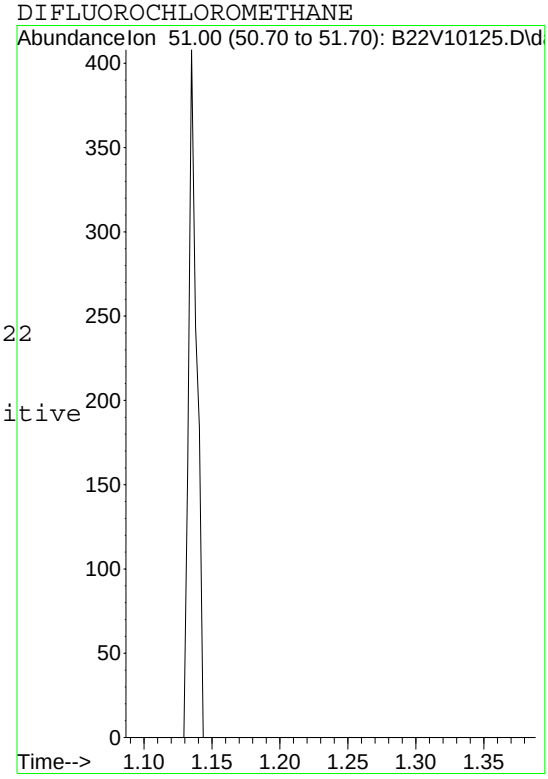
RT : 1.14
Area : 170
Amount: 0.0785653

Manual Int. Results

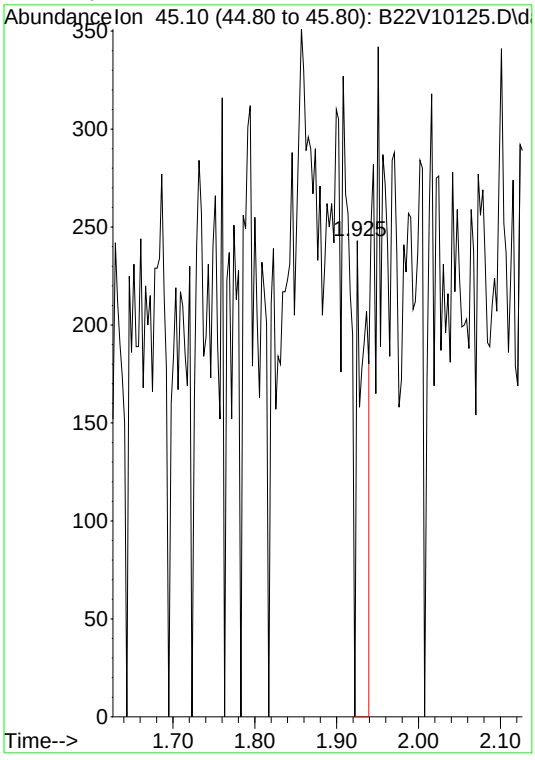
Tue Apr 12 10:44:27 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
DIFLUOROCHLOROMETHANE



Original Integration
ETHANOL



Original Int. Results

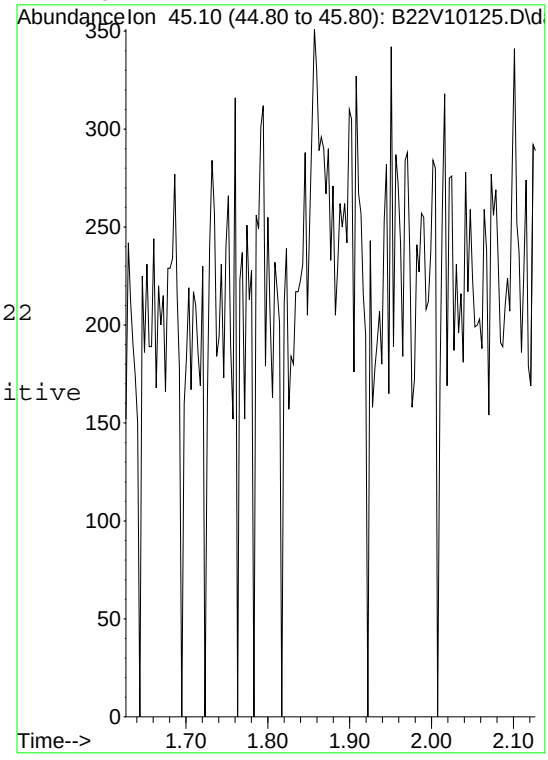
RT : 1.93
Area : 197
Amount: 7.97975

Manual Int. Results

Tue Apr 12 10:44:36 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

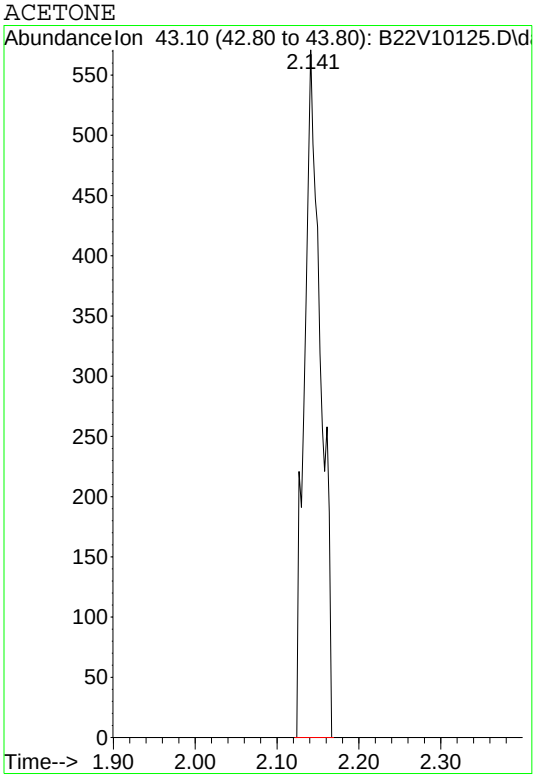
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10125.D
Acq On : 11 Apr 2022 5:19 pm
Operator :
Sample : 22D0541-08
Misc :

Quant Time : Tue Apr 12 10:45:02 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ACETONE



Original Int. Results

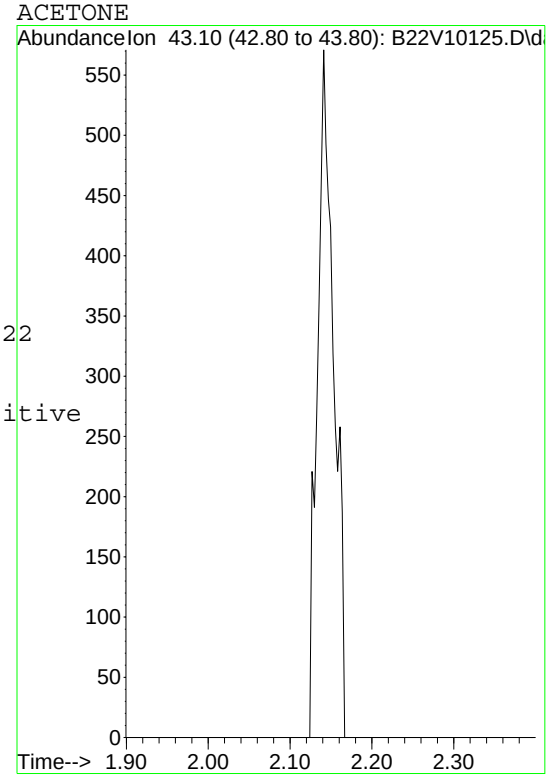
RT : 2.14
Area : 798
Amount: 1.47723

Manual Int. Results

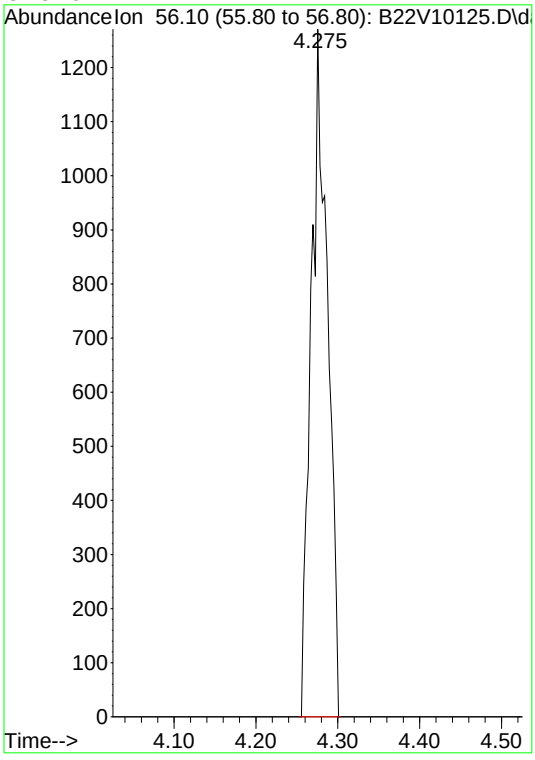
Tue Apr 12 10:44:40 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE



Original Integration
CYCLOHEXANE



Original Int. Results

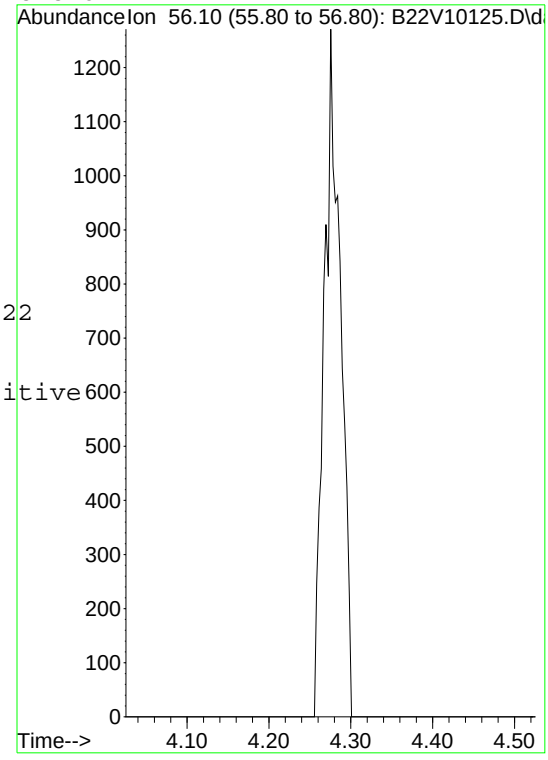
RT : 4.28
Area : 1788
Amount: 0.615911

Manual Int. Results

Tue Apr 12 10:44:52 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

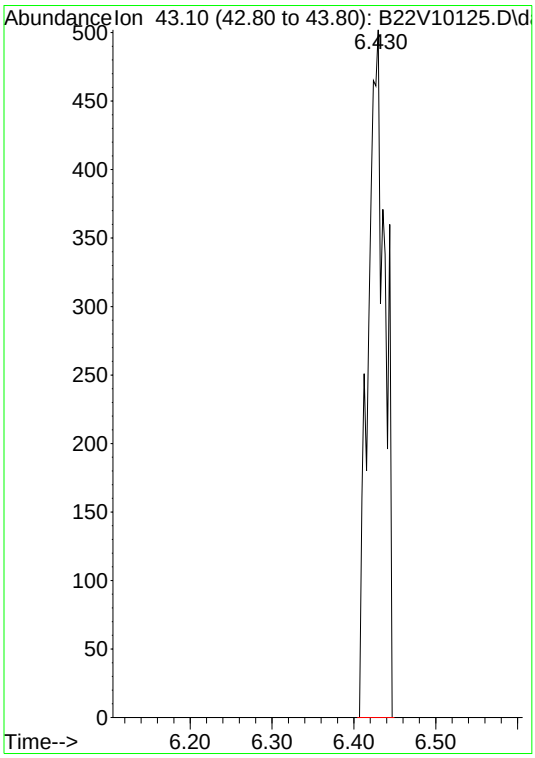
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10125.D
Acq On : 11 Apr 2022 5:19 pm
Operator :
Sample : 22D0541-08
Misc :

Quant Time : Tue Apr 12 10:45:02 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

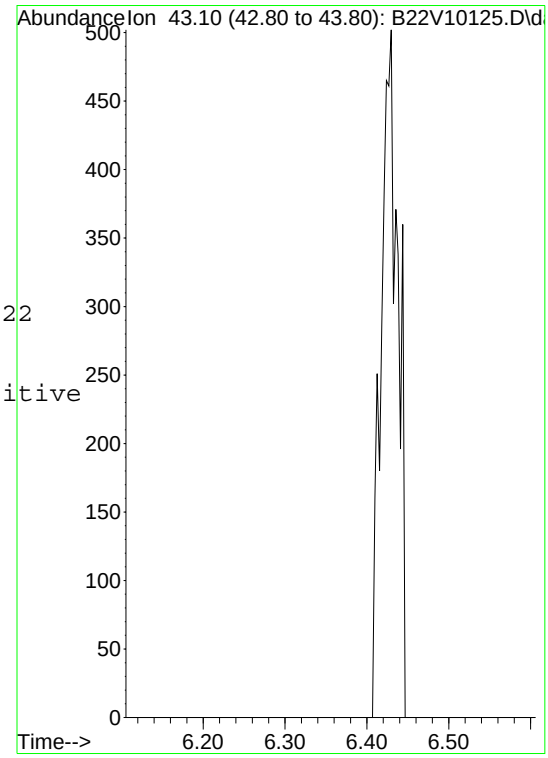
RT : 6.43
Area : 726
Amount: 0.405633

Manual Int. Results

Tue Apr 12 10:45:01 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09	File ID:	B22V10126.D
Sampled:	04/05/22 14:37	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 17:45
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09	File ID:	B22V10126.D
Sampled:	04/05/22 14:37	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 17:45
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether	1.4	0.18	2.0	J
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09	File ID:	B22V10126.D
Sampled:	04/05/22 14:37	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 17:45
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10126.D
Acq On : 11 Apr 2022 5:45 pm
Operator :
Sample : 22D0541-09 Inst : GCMSVOA2
Misc :
ALS Vial : 26 Sample Multiplier: 1

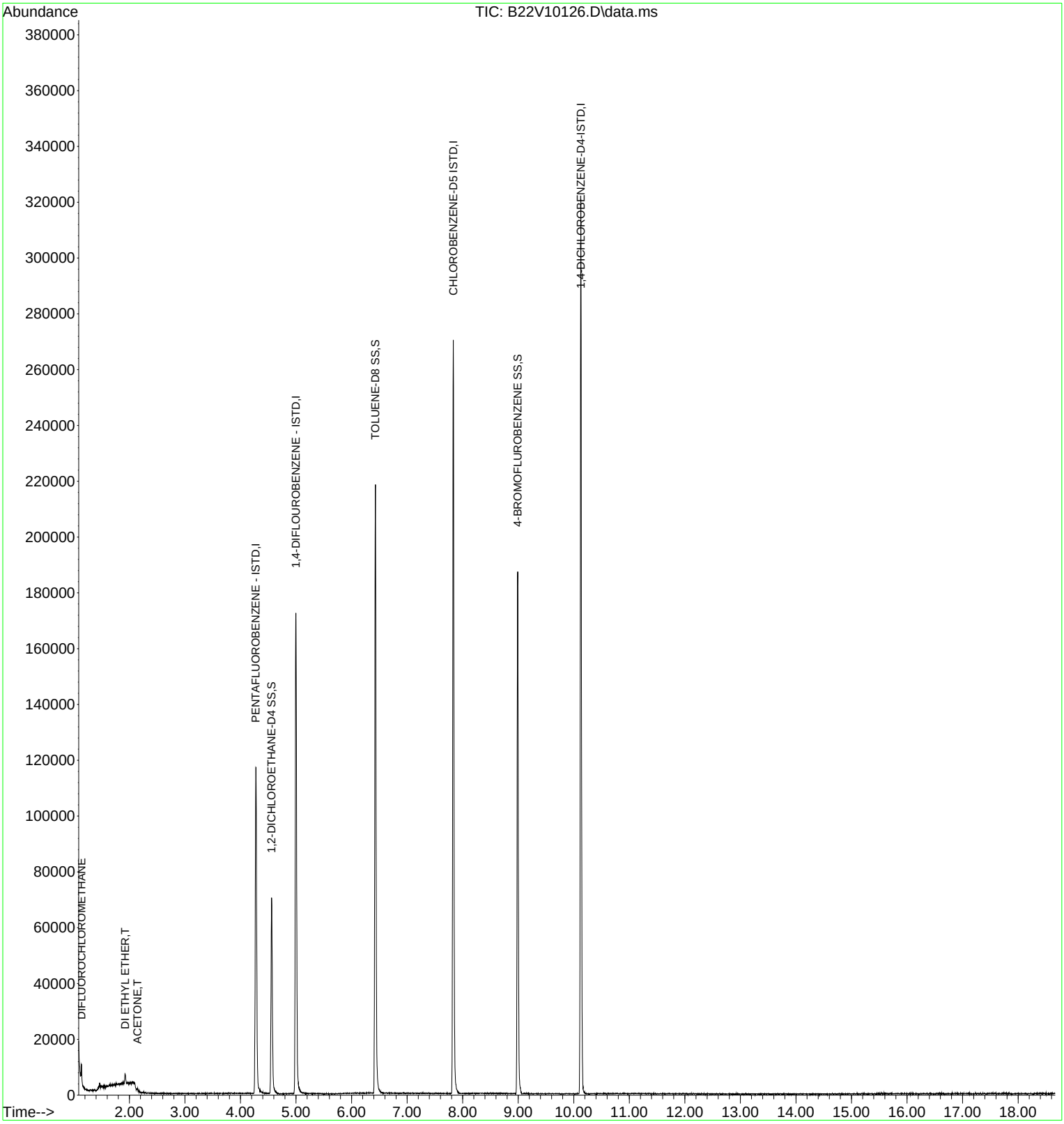
Quant Time: Apr 12 10:53:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

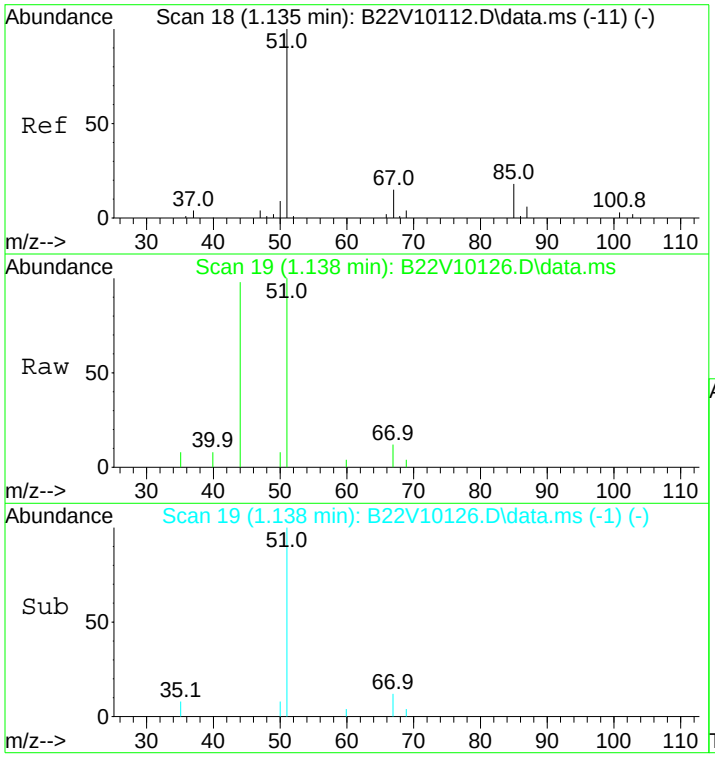
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.276	168	75684	30.00	UG/L	-0.01
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	119191	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	65874	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	73927	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44711	22.93	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.72%			
45) TOLUENE-D8 SS	6.430	98	118584	23.80	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.20%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	51146	25.02	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.08%			
Target Compounds						Qvalue
4) DIFLUOROCHLOROMETHANE	1.138	51	4189	1.95	UG/L	94
12) DI ETHYL ETHER	1.922	59	1392	1.36	UG/L #	81
14) ACETONE	2.144	43	605	1.13	UG/L #	48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10126.D
Acq On : 11 Apr 2022 5:45 pm
Operator :
Sample : 22D0541-09 Inst : GCMSVOA2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 12 10:53:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

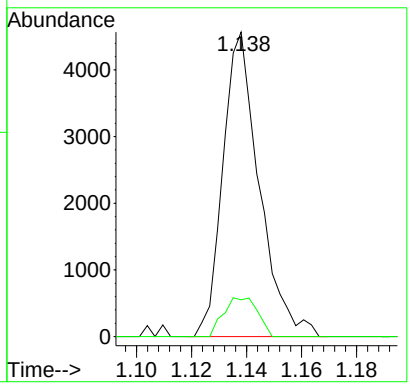


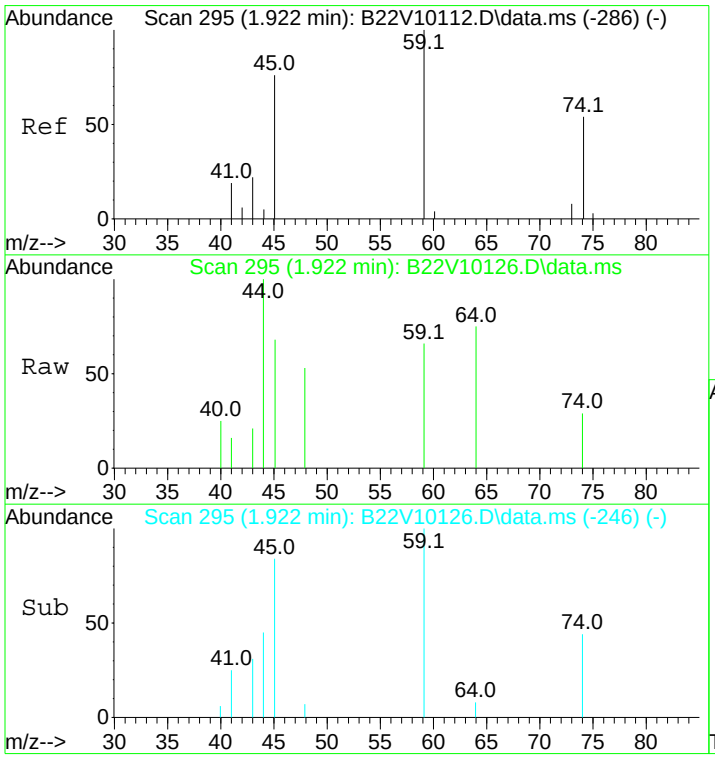


#4
DIFLUOROCHLOROMETHANE
Concen: 1.95 UG/L
RT: 1.138 min Scan# 19
Delta R.T. 0.001 min
Lab File: B22V10126.D
Acq: 11 Apr 2022 5:45 pm

Tgt Ion: 51 Resp: 4189

Ion	Ratio	Lower	Upper
51	100		
67	11.9	11.4	17.0

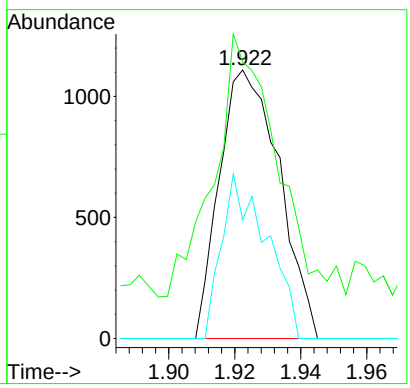


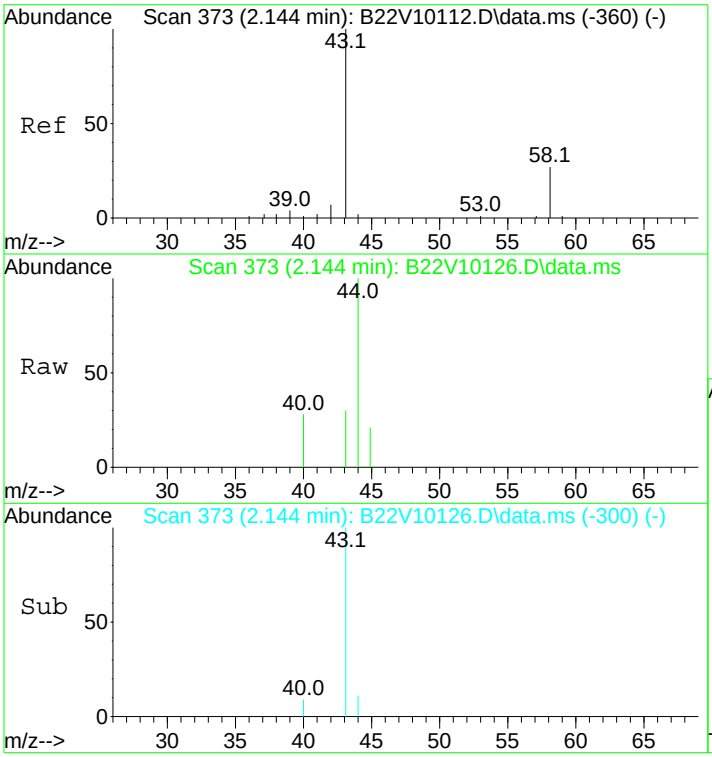


#12
DI ETHYL ETHER
Concen: 1.36 UG/L
RT: 1.922 min Scan# 295
Delta R.T. -0.009 min
Lab File: B22V10126.D
Acq: 11 Apr 2022 5:45 pm

Tgt Ion: 59 Resp: 1392

Ion	Ratio	Lower	Upper
59	100		
45	101.9	64.7	97.1#
74	46.2	44.4	66.6

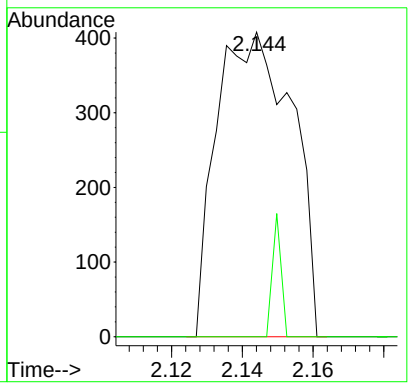




#14
ACETONE
Concen: 1.13 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10126.D
Acq: 11 Apr 2022 5:45 pm

Tgt Ion: 43 Resp: 605

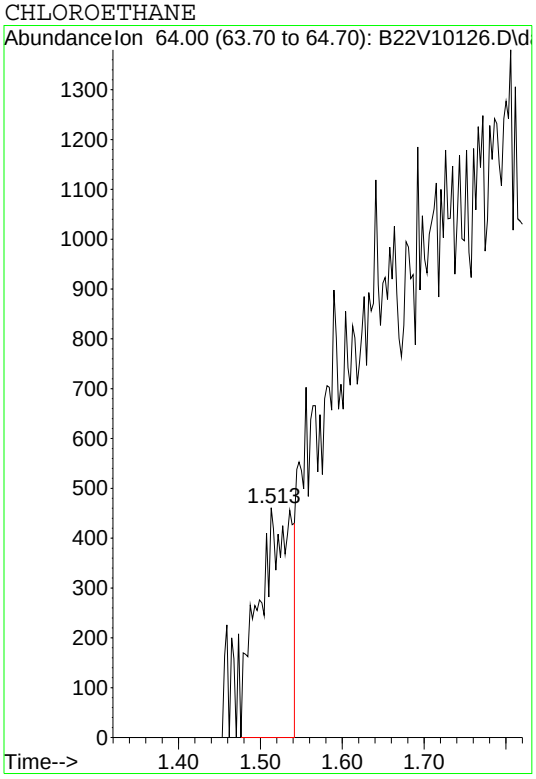
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10126.D
Acq On : 11 Apr 2022 5:45 pm
Operator :
Sample : 22D0541-09
Misc :

Quant Time : Tue Apr 12 10:53:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CHLOROETHANE



Original Int. Results

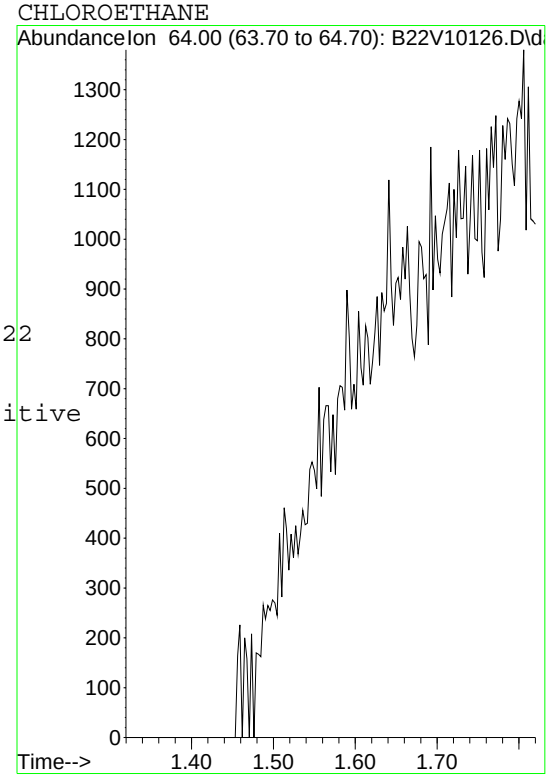
RT : 1.51
Area : 1279
Amount: 1.32043

Manual Int. Results

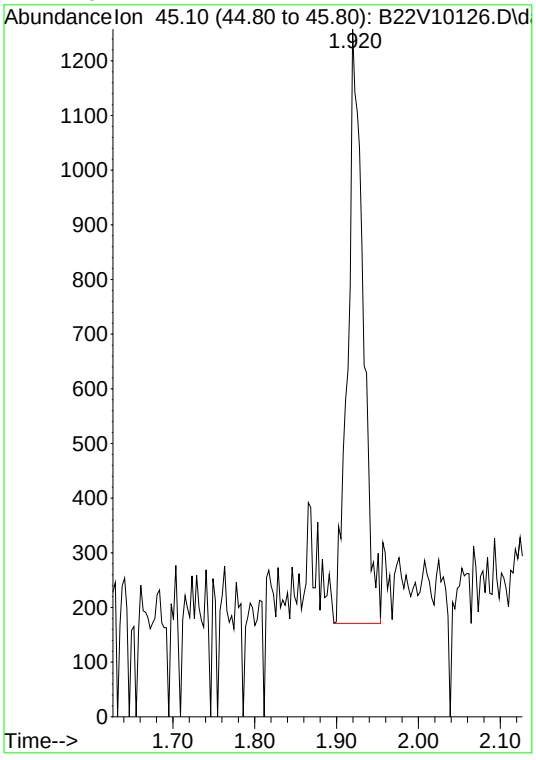
Tue Apr 12 10:53:29 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

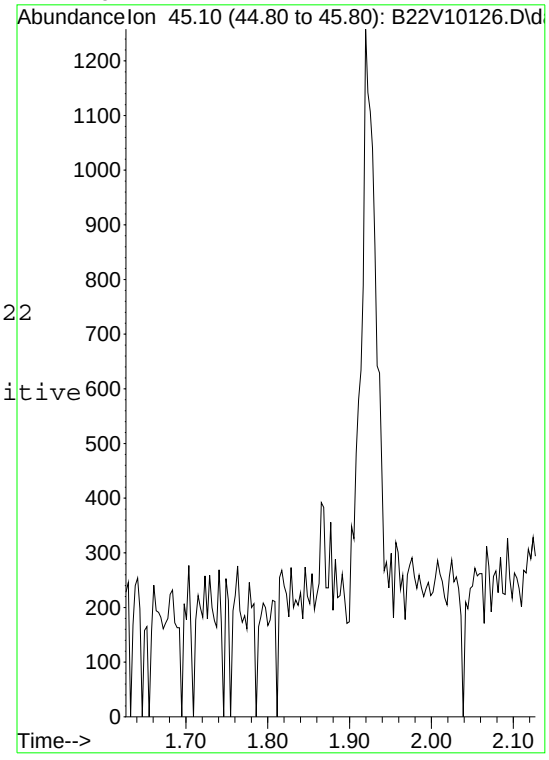
RT : 1.92
Area : 1418
Amount: 57.8137

Manual Int. Results

Tue Apr 12 10:53:35 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

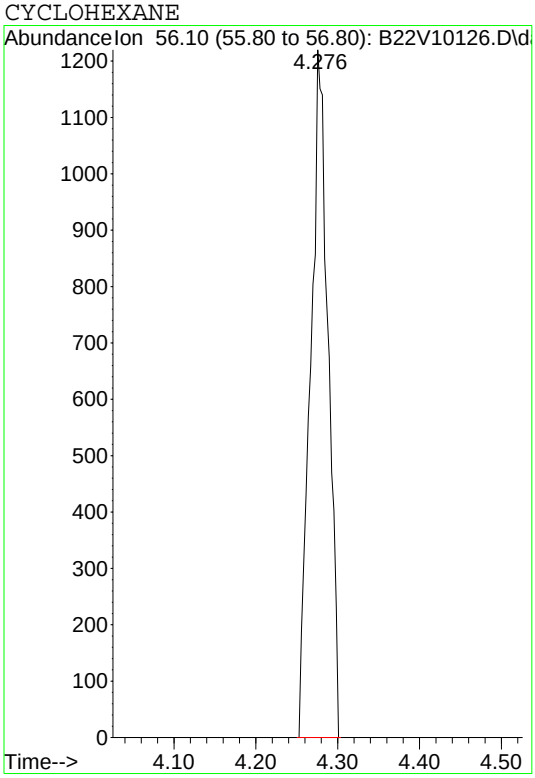
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10126.D
Acq On : 11 Apr 2022 5:45 pm
Operator :
Sample : 22D0541-09
Misc :

Quant Time : Tue Apr 12 10:53:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

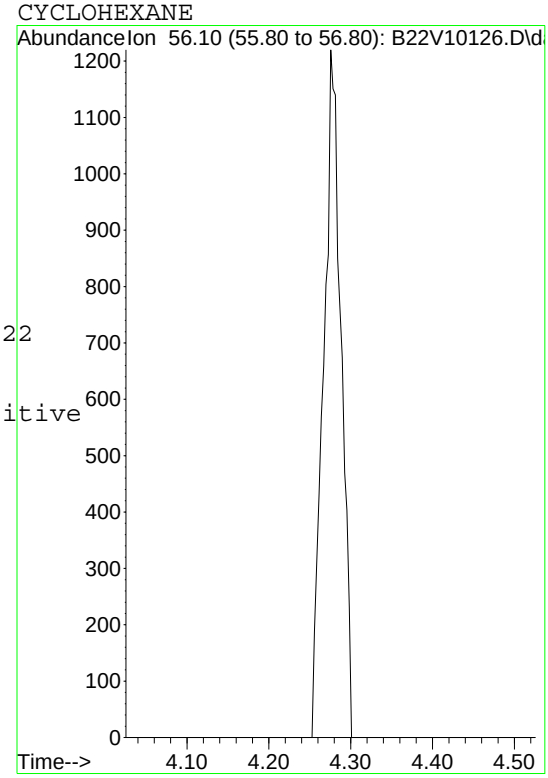
RT : 4.28
Area : 1827
Amount: 0.633461

Manual Int. Results

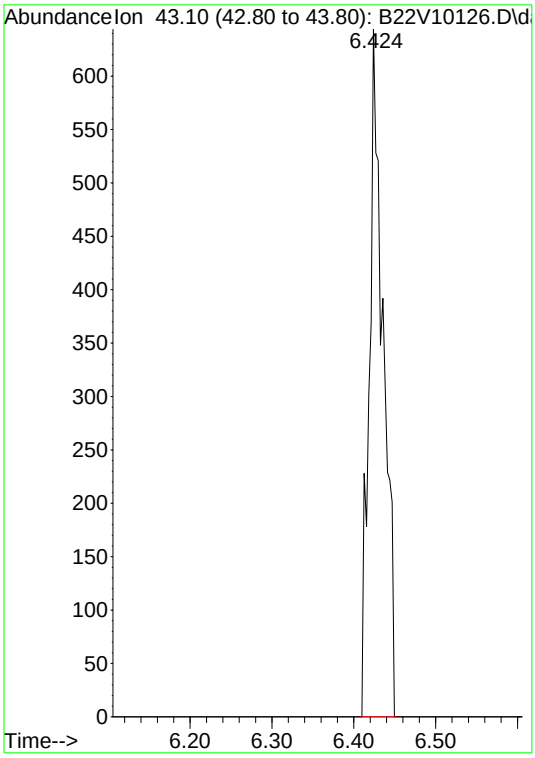
Tue Apr 12 10:53:48 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

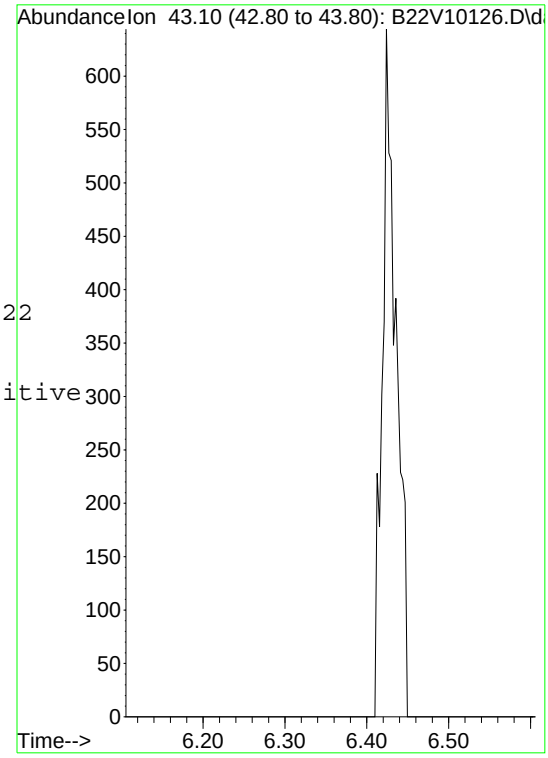
RT : 6.42
Area : 763
Amount: 0.431742

Manual Int. Results

Tue Apr 12 10:53:56 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10	File ID:	B22V10127.D
Sampled:	04/05/22 17:20	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 18:12
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10	File ID:	B22V10127.D
Sampled:	04/05/22 17:20	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 18:12
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.8	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10	File ID:	B22V10127.D
Sampled:	04/05/22 17:20	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 18:12
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene	2.0	0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10127.D
Acq On : 11 Apr 2022 6:12 pm
Operator :
Sample : 22D0541-10 Inst : GCMSVOA2
Misc :
ALS Vial : 27 Sample Multiplier: 1

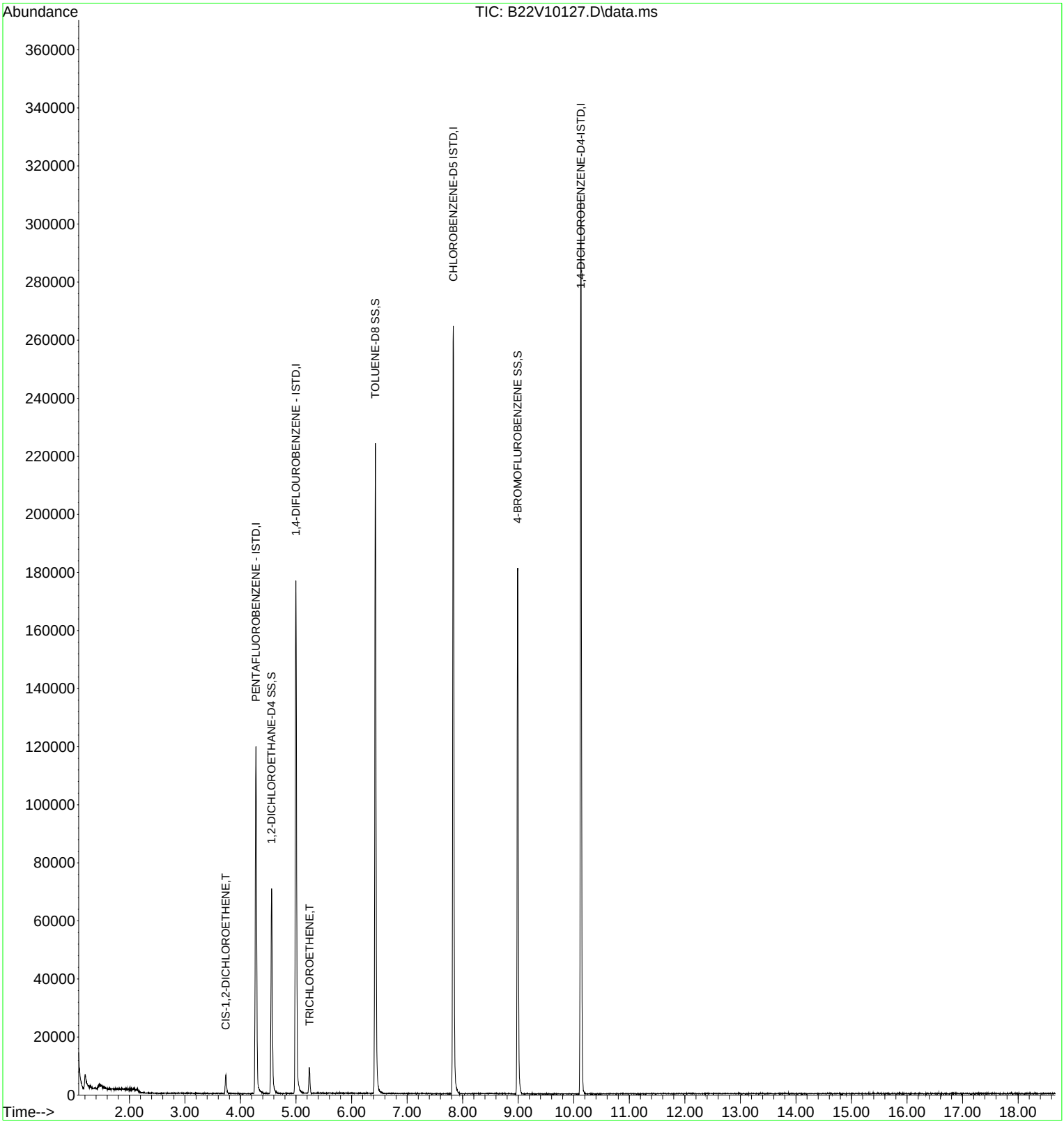
Quant Time: Apr 12 10:55:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

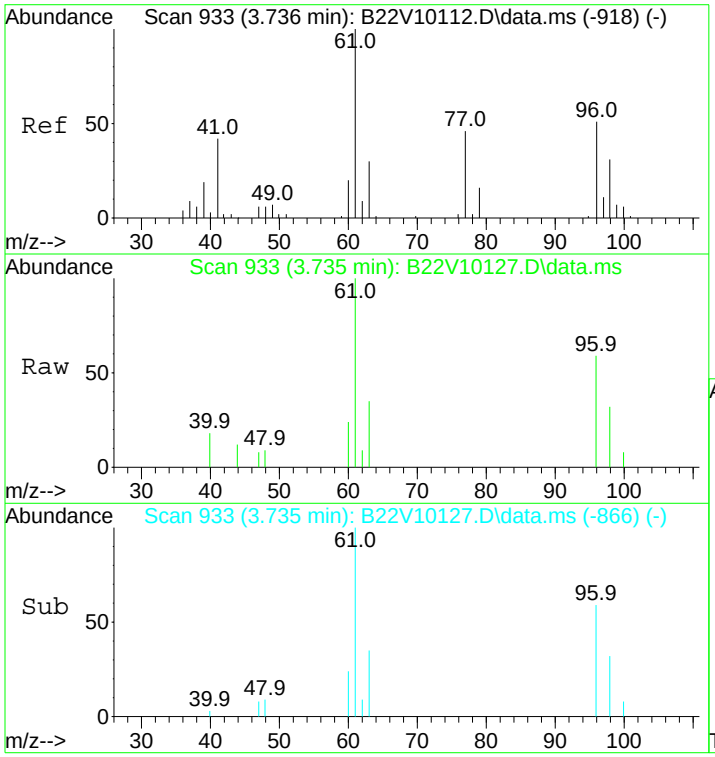
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	76926	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	121210	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66623	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	72357	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45717	23.06	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.24%			
45) TOLUENE-D8 SS	6.427	98	120756	23.83	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.32%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	50356	24.35	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.40%			
Target Compounds						Qvalue
30) CIS-1,2-DICHLOROETHENE	3.735	61	4202	1.82	UG/L	96
47) TRICHLOROETHENE	5.242	95	2355	2.00	UG/L	96

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10127.D
Acq On : 11 Apr 2022 6:12 pm
Operator :
Sample : 22D0541-10 Inst : GCMSVOA2
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 12 10:55:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

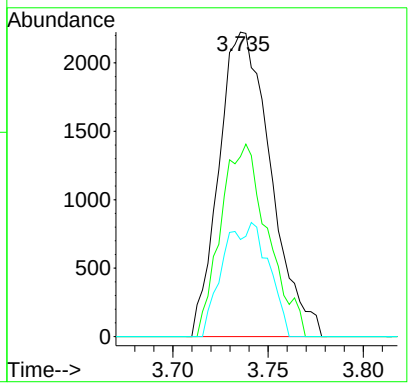


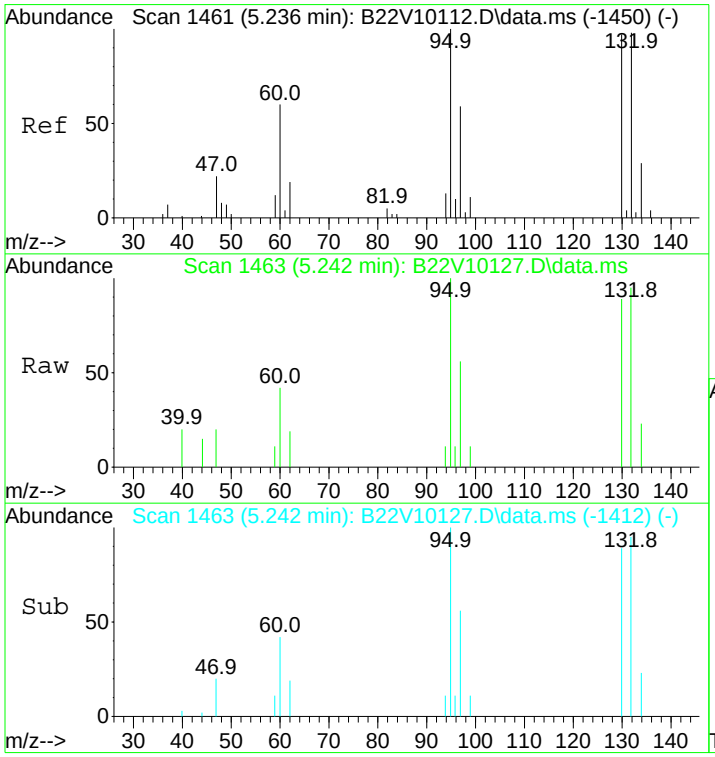


#30
CIS-1,2-DICHLOROETHENE
Concen: 1.82 UG/L
RT: 3.735 min Scan# 933
Delta R.T. -0.009 min
Lab File: B22V10127.D
Acq: 11 Apr 2022 6:12 pm

Tgt Ion: 61 Resp: 4202

Ion	Ratio	Lower	Upper
61	100		
96	57.5	42.8	64.2
98	33.2	27.4	41.2

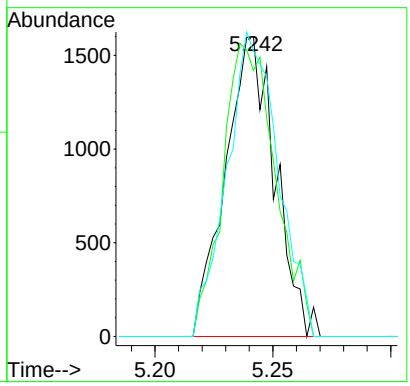




#47
TRICHLOROETHENE
Concen: 2.00 UG/L
RT: 5.242 min Scan# 1463
Delta R.T. -0.005 min
Lab File: B22V10127.D
Acq: 11 Apr 2022 6:12 pm

Tgt Ion: 95 Resp: 2355

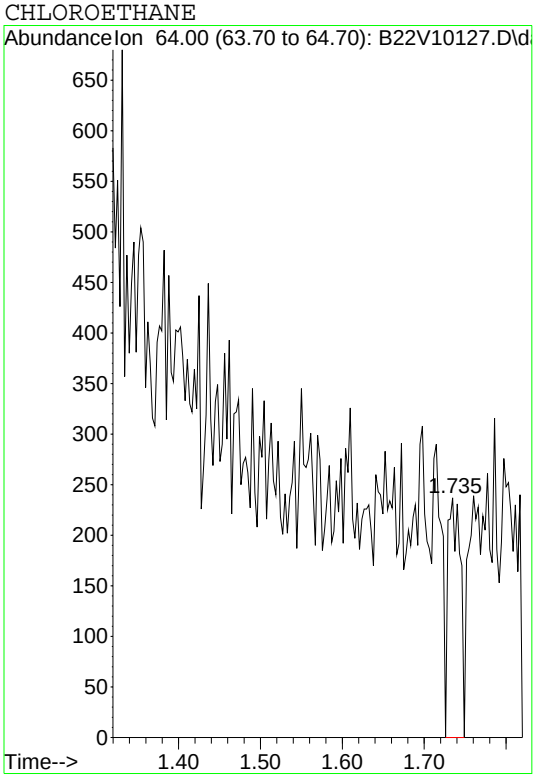
Ion	Ratio	Lower	Upper
95	100		
130	103.1	79.3	118.9
132	104.4	80.6	121.0



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10127.D
Acq On : 11 Apr 2022 6:12 pm
Operator :
Sample : 22D0541-10
Misc :

Quant Time : Tue Apr 12 10:55:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CHLOROETHANE



Original Int. Results

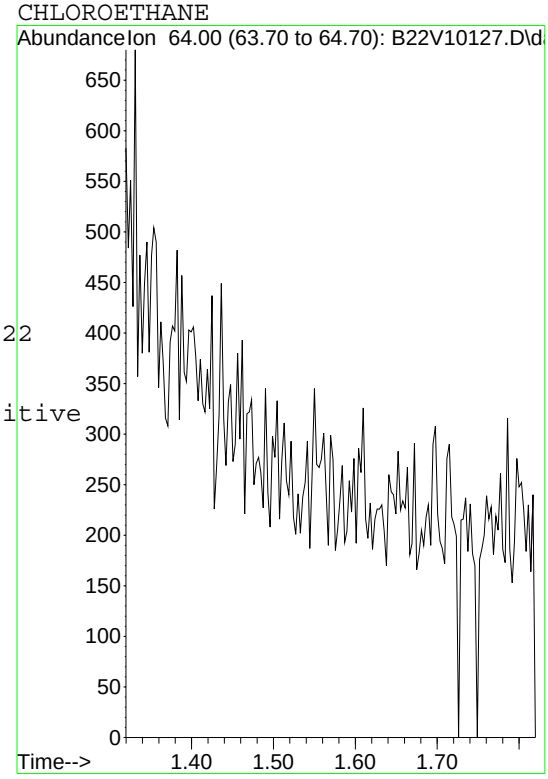
RT : 1.73
Area : 245
Amount: 0.248853

Manual Int. Results

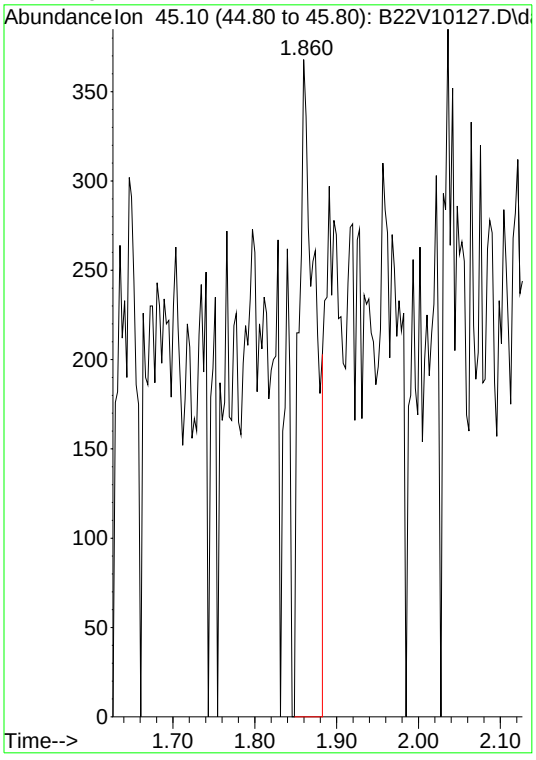
Tue Apr 12 10:54:52 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

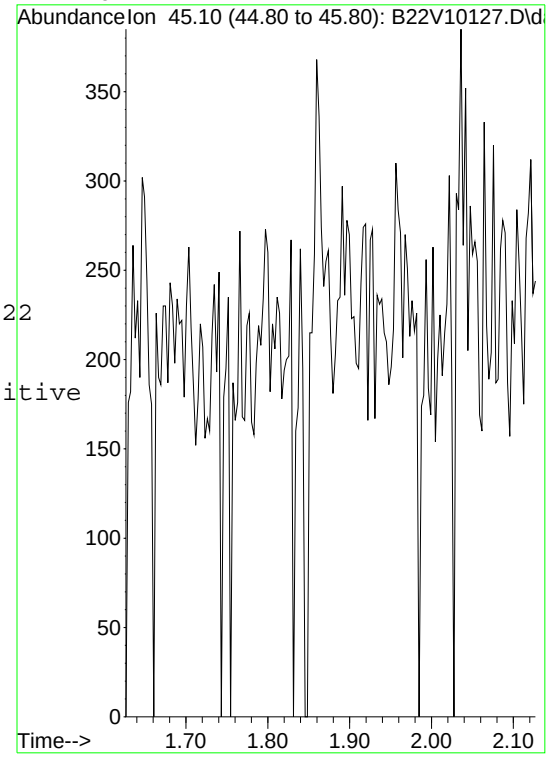
RT : 1.86
Area : 515
Amount: 20.6582

Manual Int. Results

Tue Apr 12 10:54:56 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

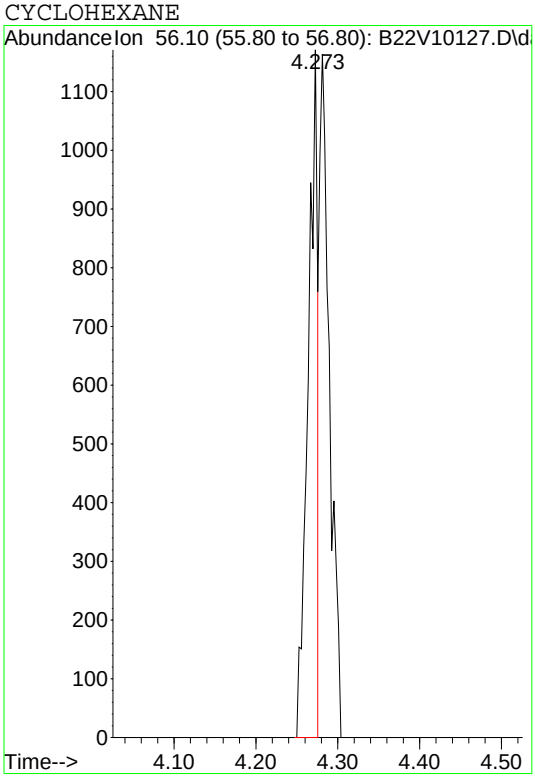
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10127.D
Acq On : 11 Apr 2022 6:12 pm
Operator :
Sample : 22D0541-10
Misc :

Quant Time : Tue Apr 12 10:55:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

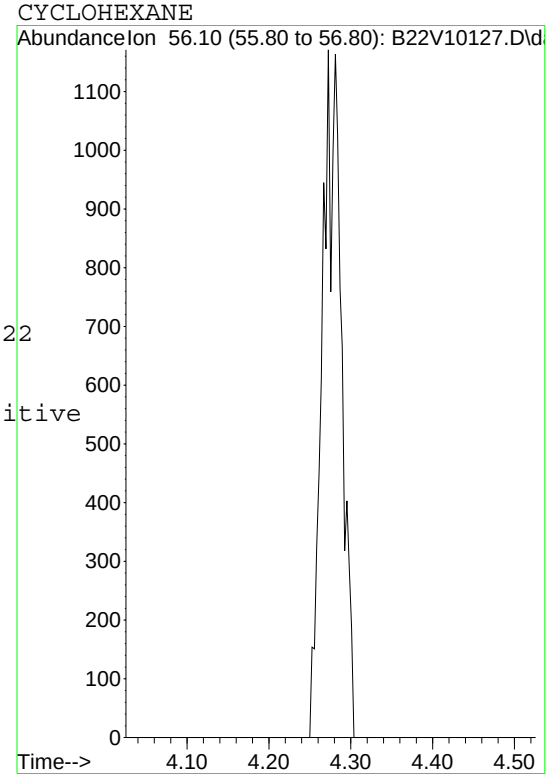
RT : 4.27
Area : 921
Amount: 0.314175

Manual Int. Results

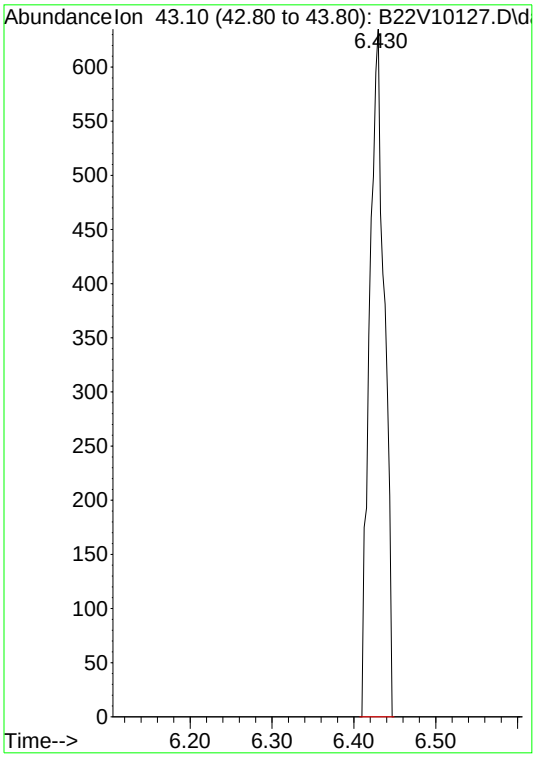
Tue Apr 12 10:55:08 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

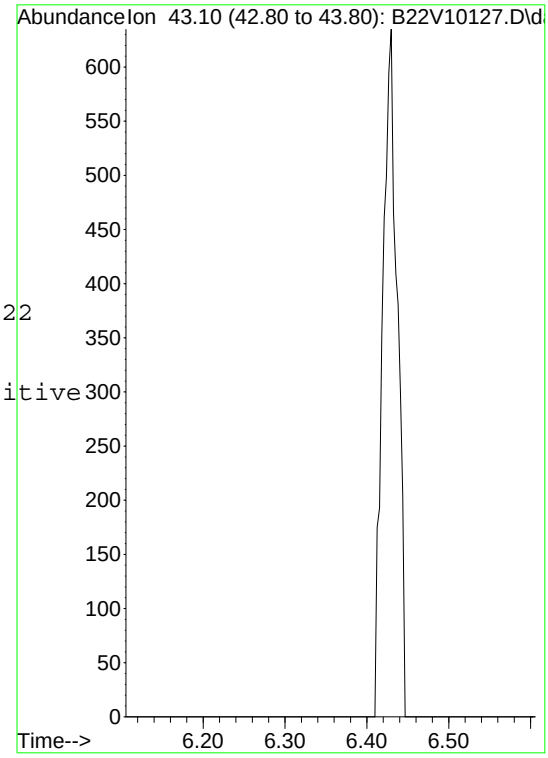
RT : 6.43
Area : 796
Amount: 0.442913

Manual Int. Results

Tue Apr 12 10:55:18 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11	File ID:	B22V10128.D
Sampled:	04/05/22 15:42	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 18:38
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11	File ID:	B22V10128.D
Sampled:	04/05/22 15:42	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 18:38
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	0.15	0.15	1.0	J
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11	File ID:	B22V10128.D
Sampled:	04/05/22 15:42	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 18:38
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10128.D
Acq On : 11 Apr 2022 6:38 pm
Operator :
Sample : 22D0541-11 Inst : GCMSVOA2
Misc :
ALS Vial : 28 Sample Multiplier: 1

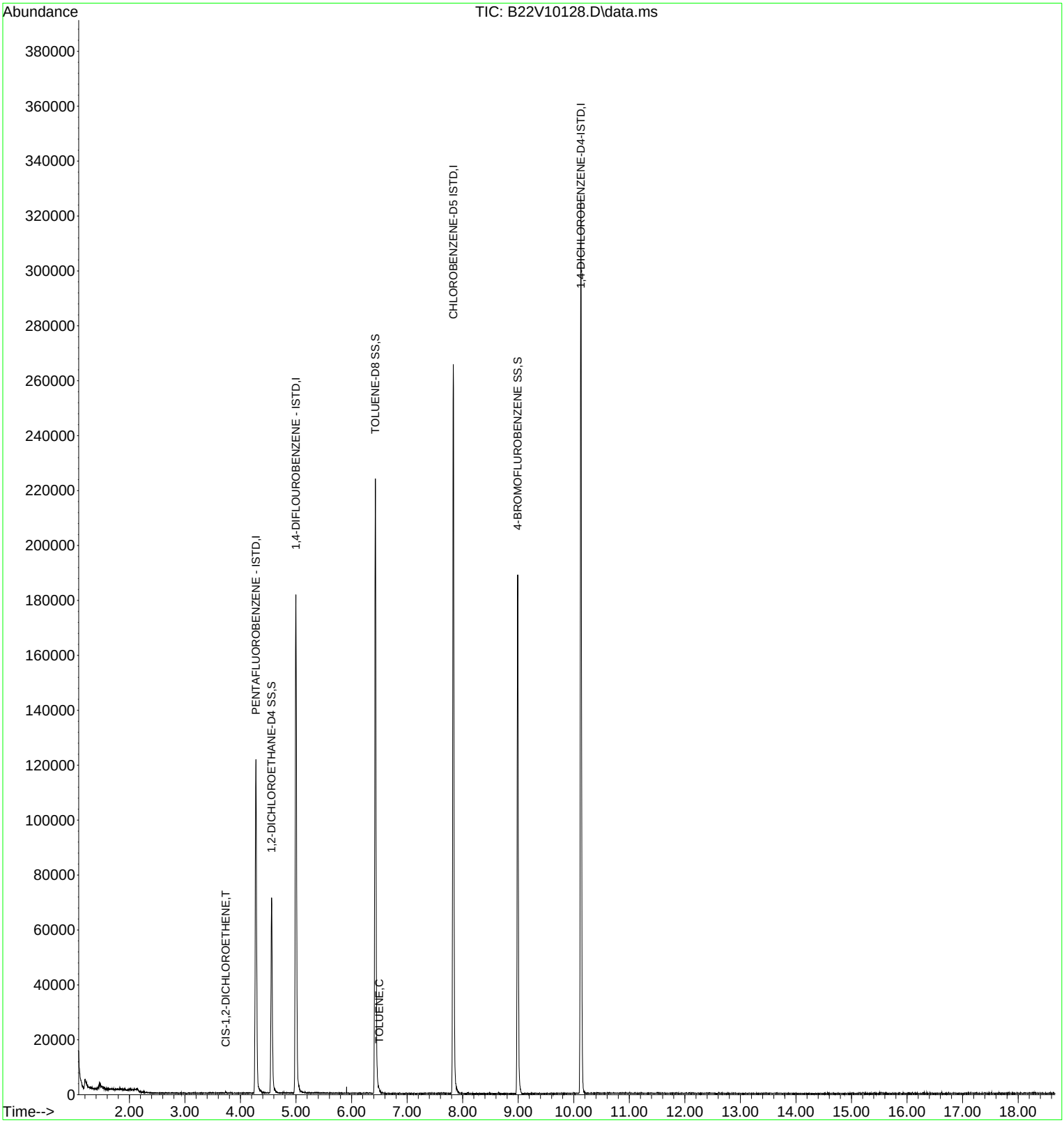
Quant Time: Apr 12 10:57:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

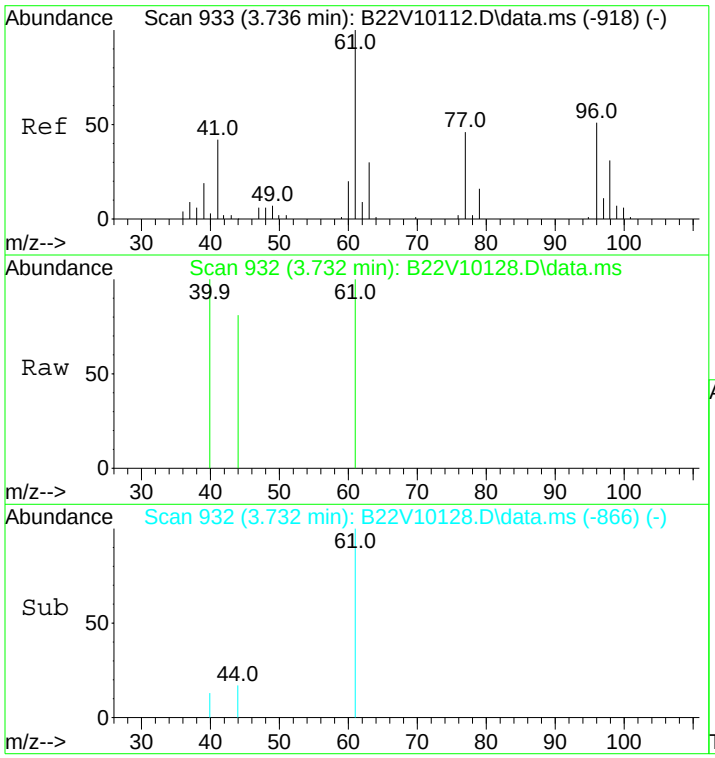
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	77637	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	123725	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	67156	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	78465	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45271	22.63	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.52%			
45) TOLUENE-D8 SS	6.427	98	121300	23.45	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.80%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	50744	24.35	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.40%			
Target Compounds						Qvalue
30) CIS-1,2-DICHLOROETHENE	3.732	61	353m	0.15	UG/L	
56) TOLUENE	6.498	91	542	0.10	UG/L	# 21

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10128.D
Acq On : 11 Apr 2022 6:38 pm
Operator :
Sample : 22D0541-11 Inst : GCMSVOA2
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 12 10:57:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

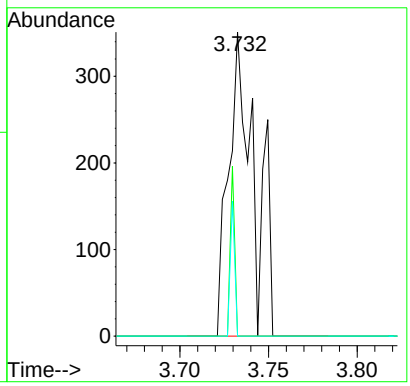


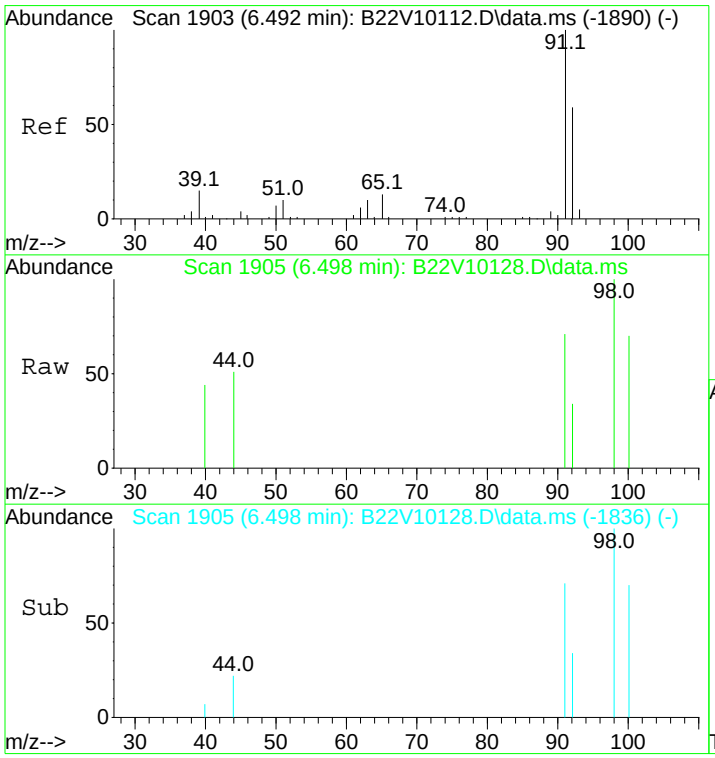


#30
CIS-1,2-DICHLOROETHENE
Concen: 0.15 UG/L m
RT: 3.732 min Scan# 932
Delta R.T. -0.012 min
Lab File: B22V10128.D
Acq: 11 Apr 2022 6:38 pm

Tgt Ion: 61 Resp: 353

Ion	Ratio	Lower	Upper
61	100		
96	0.0	42.8	64.2#
98	0.0	27.4	41.2#

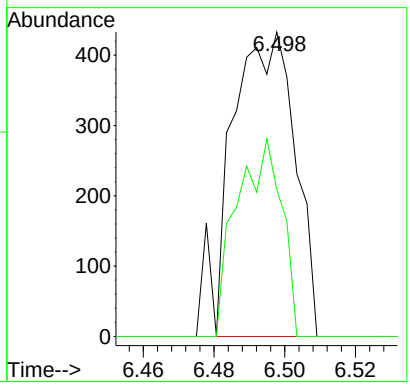




#56
TOLUENE
Concen: 0.10 UG/L
RT: 6.498 min Scan# 1905
Delta R.T. -0.003 min
Lab File: B22V10128.D
Acq: 11 Apr 2022 6:38 pm

Tgt Ion: 91 Resp: 542

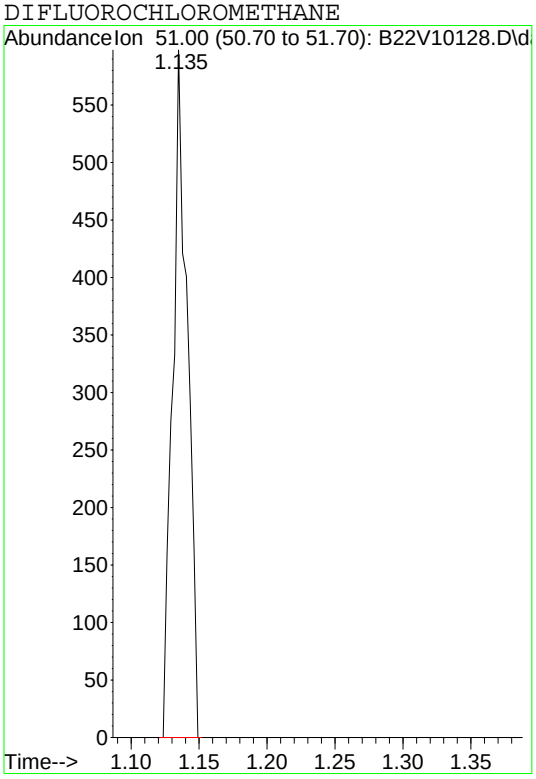
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.5	71.3#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10128.D
Acq On : 11 Apr 2022 6:38 pm
Operator :
Sample : 22D0541-11
Misc :

Quant Time : Tue Apr 12 10:57:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
DIFLUOROCHLOROMETHANE



Original Int. Results

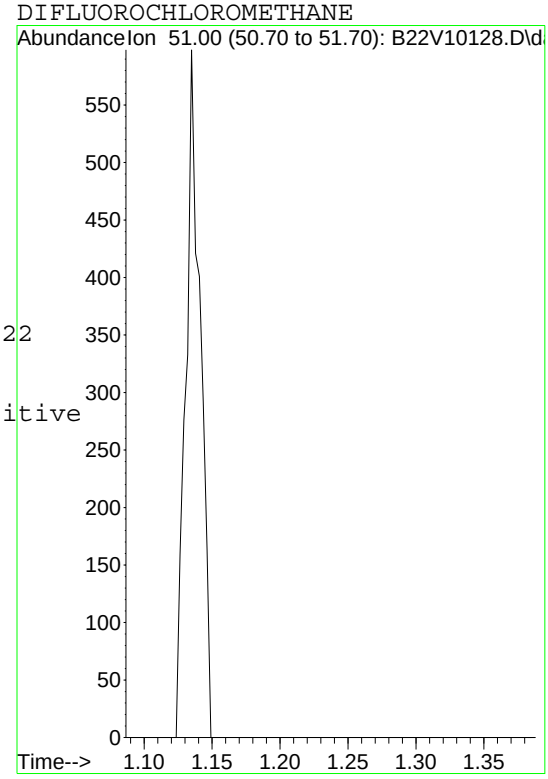
RT : 1.13
Area : 451
Amount: 0.204515

Manual Int. Results

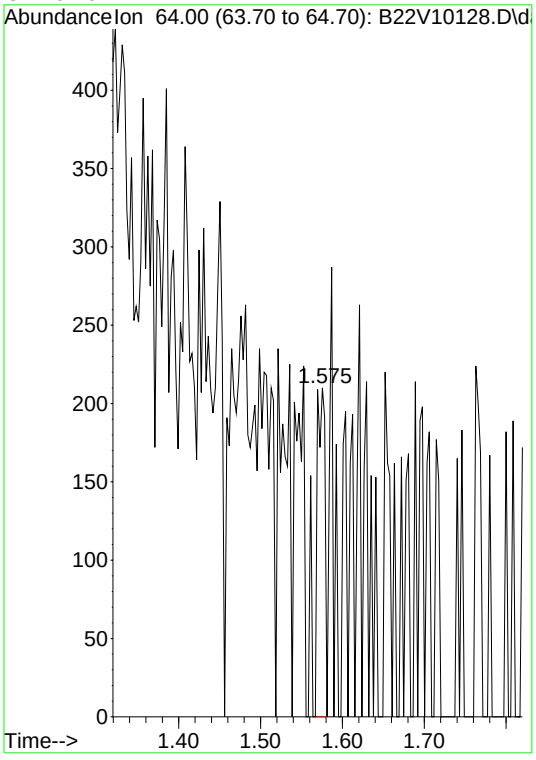
Tue Apr 12 10:57:18 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
DIFLUOROCHLOROMETHANE



Original Integration
CHLOROETHANE



Original Int. Results

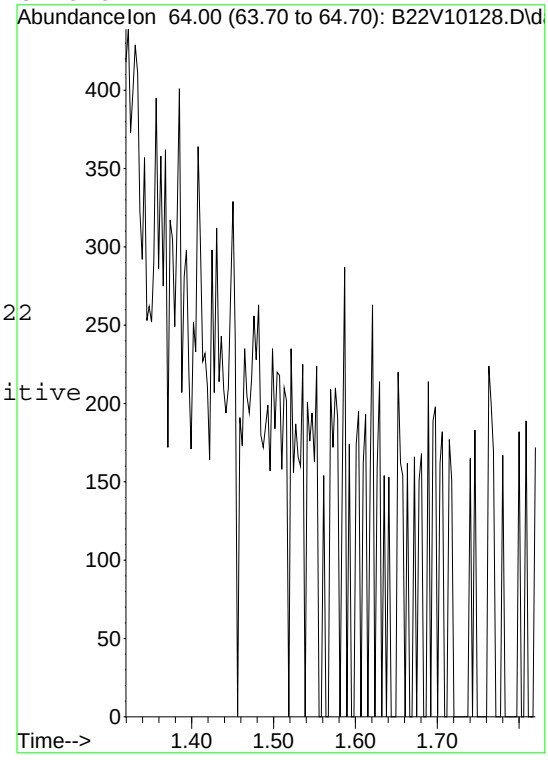
RT : 1.58
Area : 133
Amount: 0.133854

Manual Int. Results

Tue Apr 12 10:57:22 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

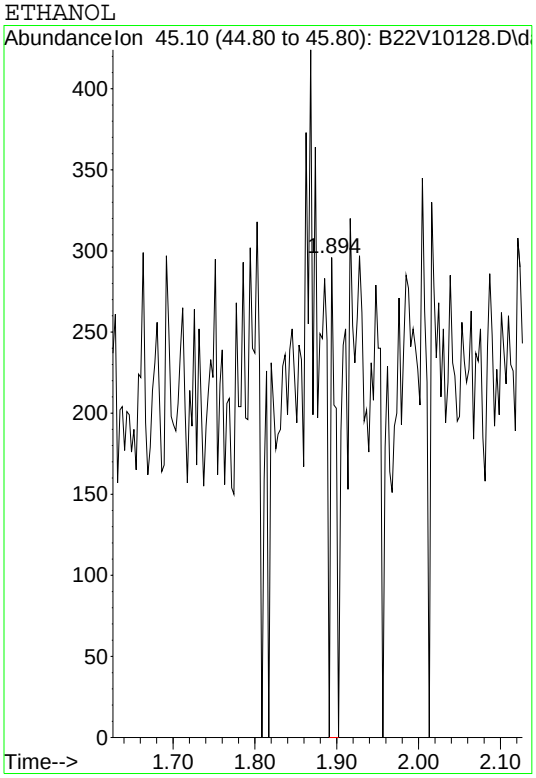
Manual Integration
CHLOROETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10128.D
Acq On : 11 Apr 2022 6:38 pm
Operator :
Sample : 22D0541-11
Misc :

Quant Time : Tue Apr 12 10:57:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

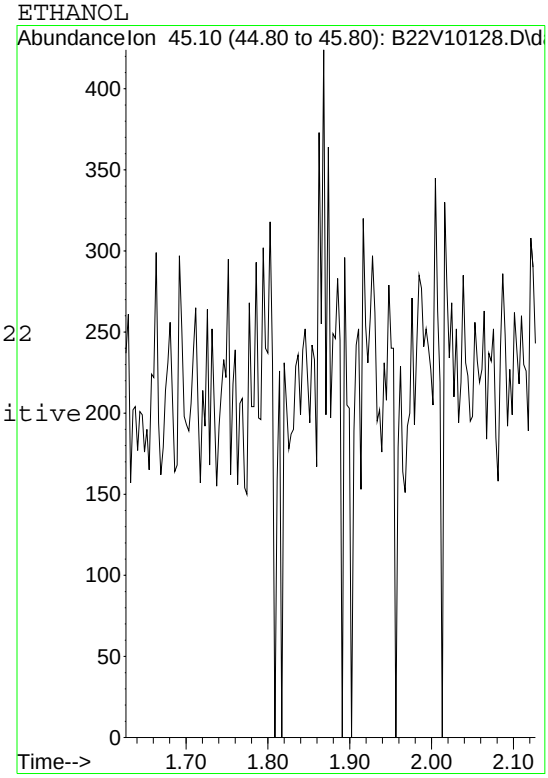
RT : 1.89
Area : 120
Amount: 4.76948

Manual Int. Results

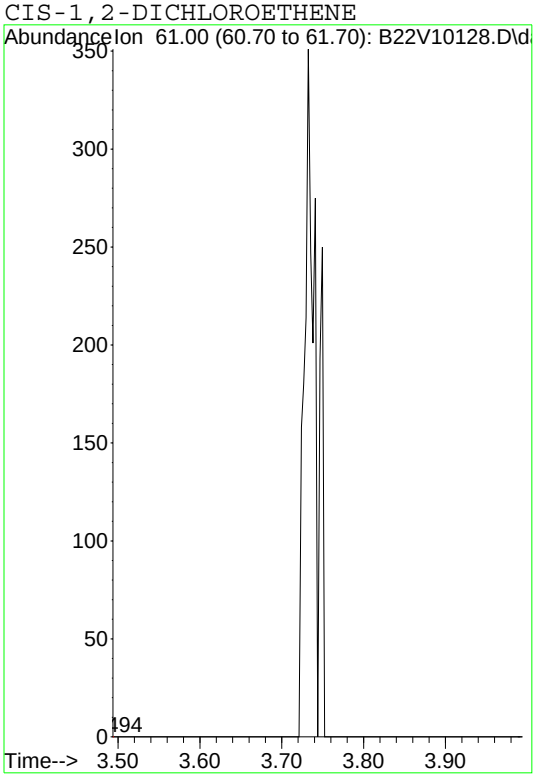
Tue Apr 12 10:57:27 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

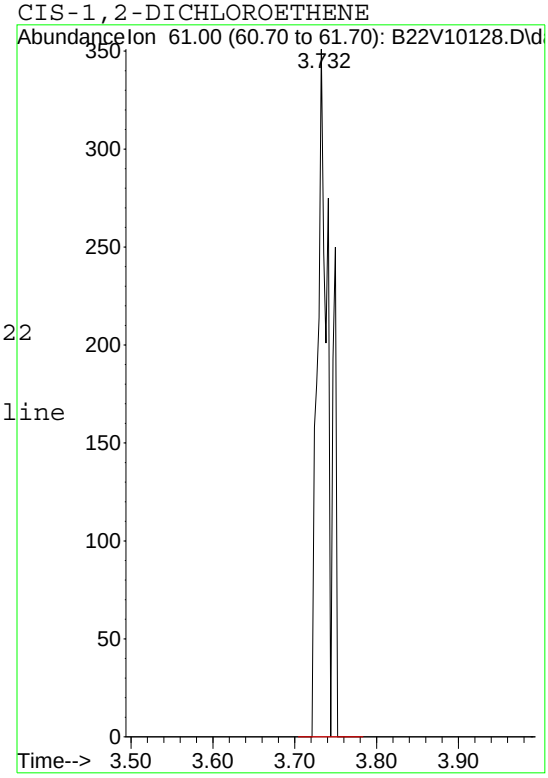
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Apr 12 10:57:37 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.73
Area : 353
Amount: 0.151459

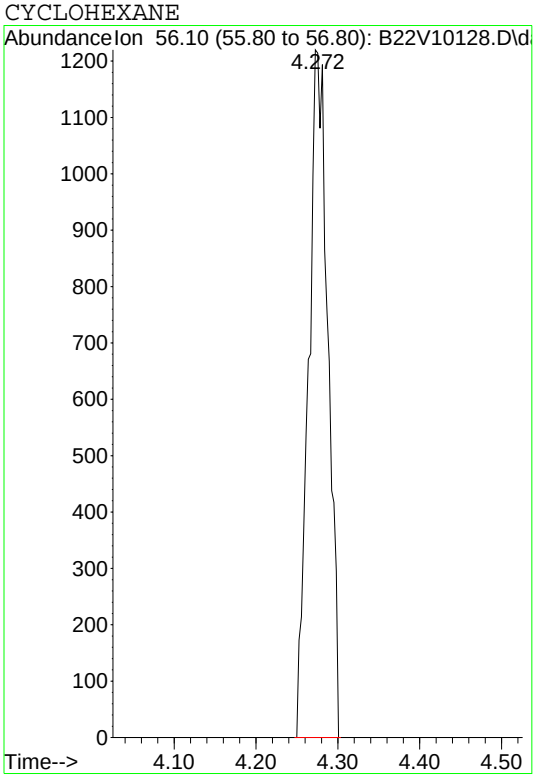
Manual Integration
CIS-1,2-DICHLOROETHENE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10128.D
Acq On : 11 Apr 2022 6:38 pm
Operator :
Sample : 22D0541-11
Misc :

Quant Time : Tue Apr 12 10:57:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

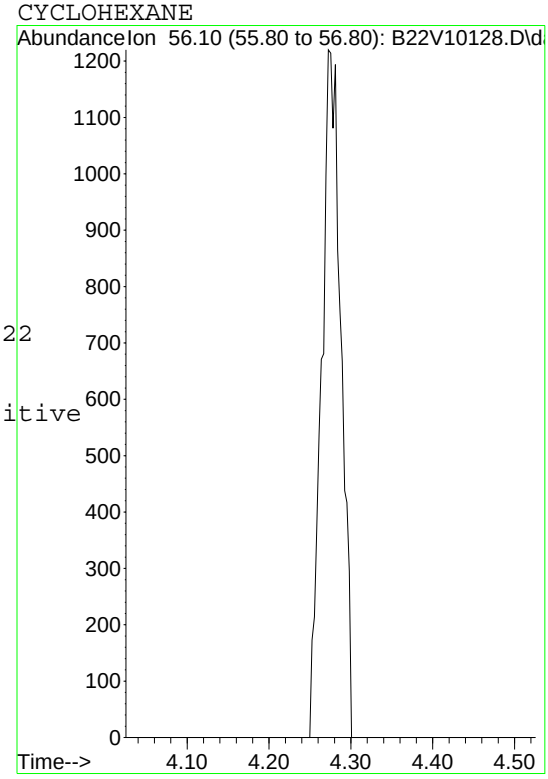
RT : 4.27
Area : 2009
Amount: 0.679042

Manual Int. Results

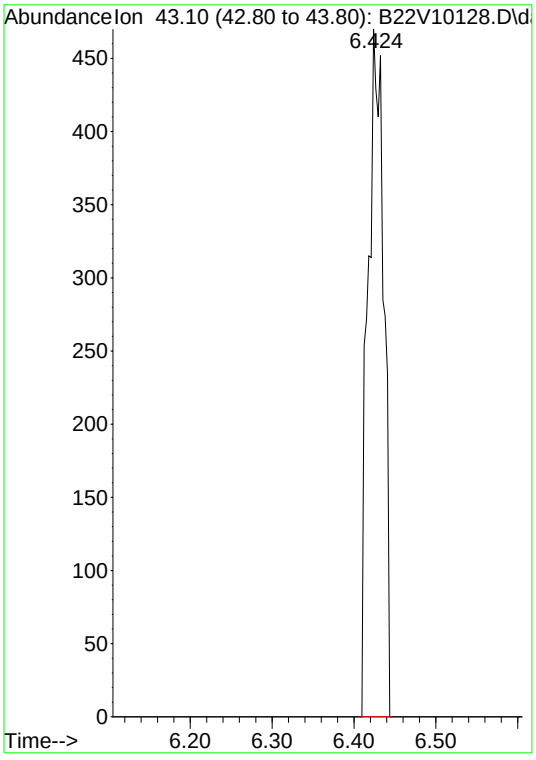
Tue Apr 12 10:57:44 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

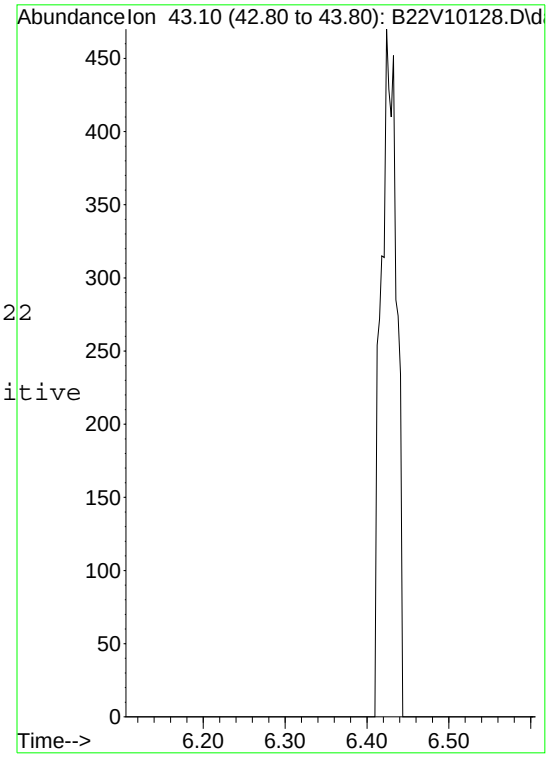
RT : 6.42
Area : 633
Amount: 0.345056

Manual Int. Results

Tue Apr 12 10:57:53 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12	File ID:	B22V10129.D
Sampled:	04/05/22 13:51	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12	File ID:	B22V10129.D
Sampled:	04/05/22 13:51	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12	File ID:	B22V10129.D
Sampled:	04/05/22 13:51	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10129.D
Acq On : 11 Apr 2022 7:04 pm
Operator :
Sample : 22D0541-12 Inst : GCMSVOA2
Misc :
ALS Vial : 29 Sample Multiplier: 1

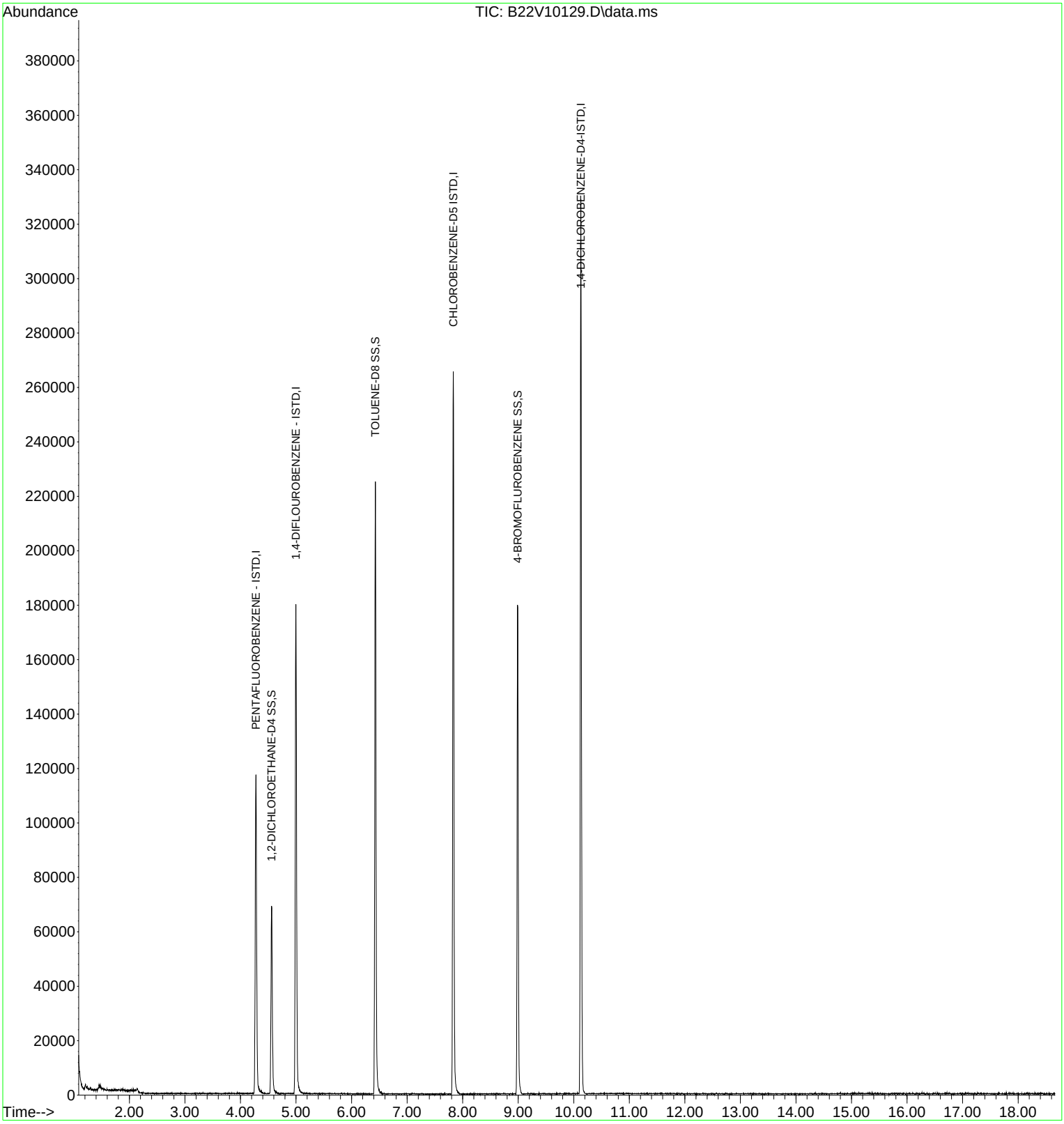
Quant Time: Apr 12 11:00:11 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	76477	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	122633	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66351	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	75834	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44752	22.71	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.84%			
45) TOLUENE-D8 SS	6.427	98	118588	23.13	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.52%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	49958	24.26	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.04%			
Target Compounds						Qvalue

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10129.D
Acq On : 11 Apr 2022 7:04 pm
Operator :
Sample : 22D0541-12 Inst : GCMSVOA2
Misc :
ALS Vial : 29 Sample Multiplier: 1

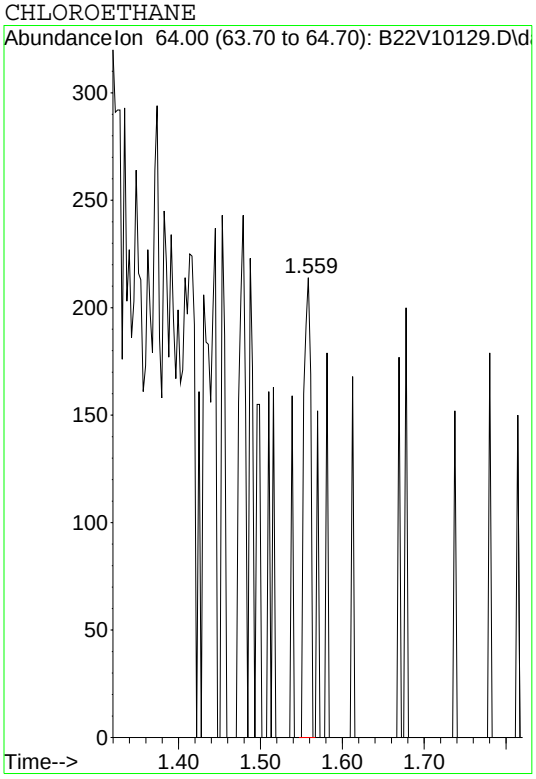
Quant Time: Apr 12 11:00:11 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10129.D
Acq On : 11 Apr 2022 7:04 pm
Operator :
Sample : 22D0541-12
Misc :

Quant Time : Tue Apr 12 11:00:11 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CHLOROETHANE



Original Int. Results

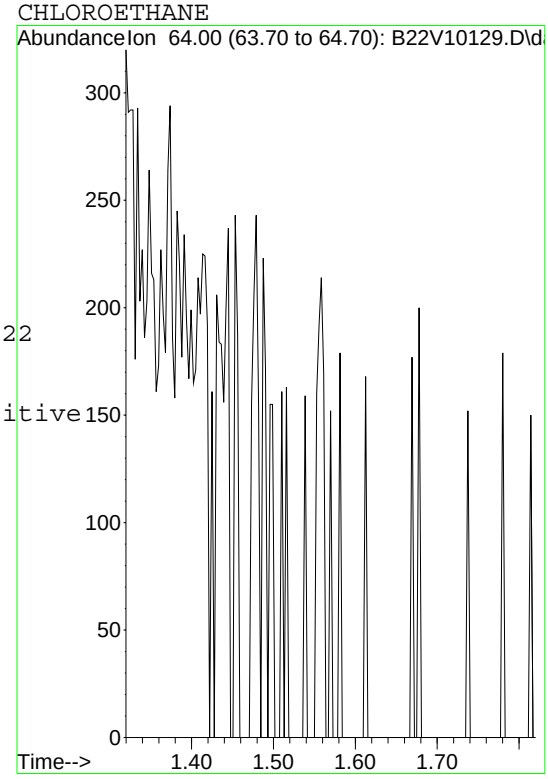
RT : 1.56
Area : 125
Amount: 0.127711

Manual Int. Results

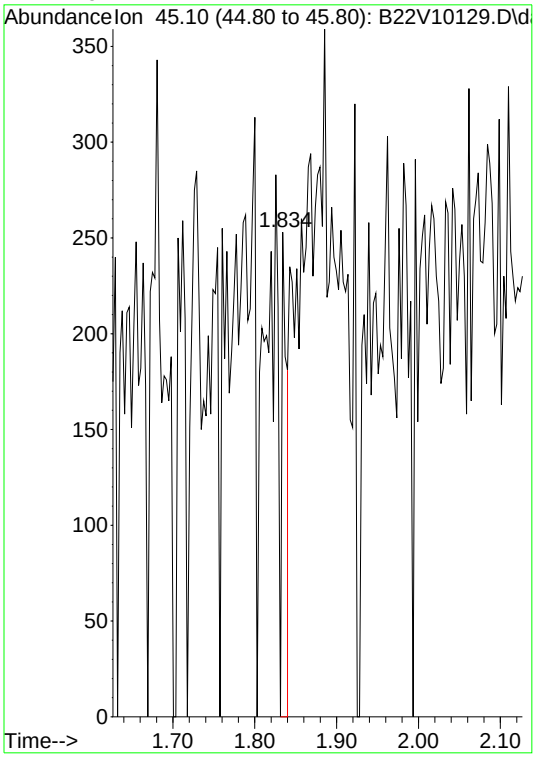
Tue Apr 12 10:59:43 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

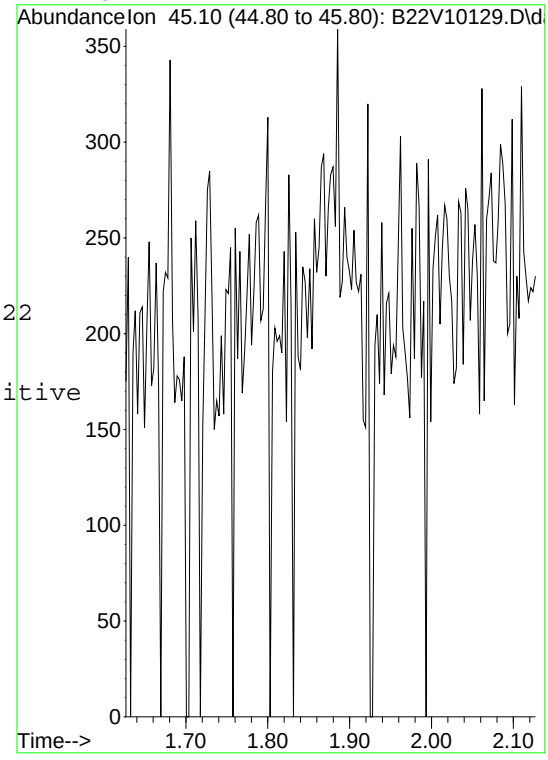
RT : 1.83
Area : 106
Amount: 4.27694

Manual Int. Results

Tue Apr 12 10:59:47 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

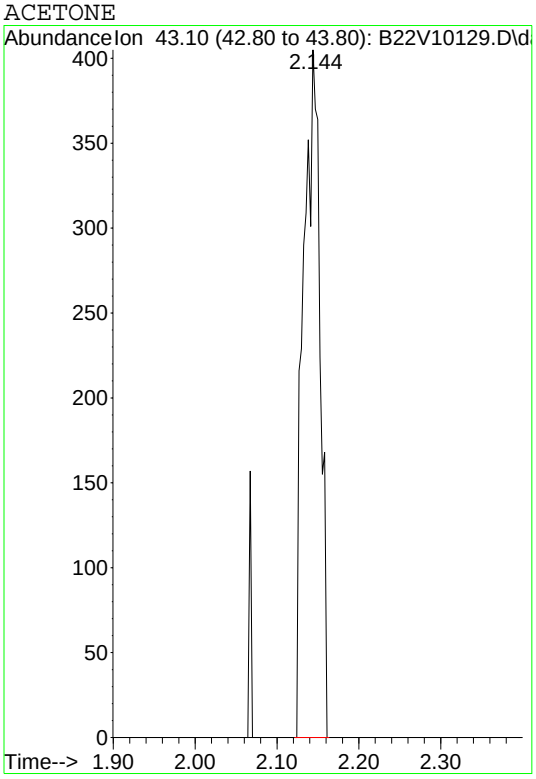
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10129.D
Acq On : 11 Apr 2022 7:04 pm
Operator :
Sample : 22D0541-12
Misc :

Quant Time : Tue Apr 12 11:00:11 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ACETONE



Original Int. Results

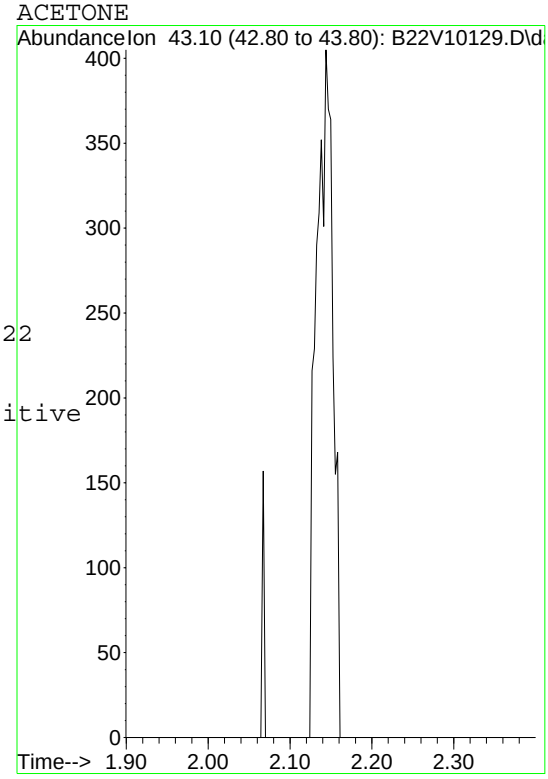
RT : 2.14
Area : 577
Amount: 1.06396

Manual Int. Results

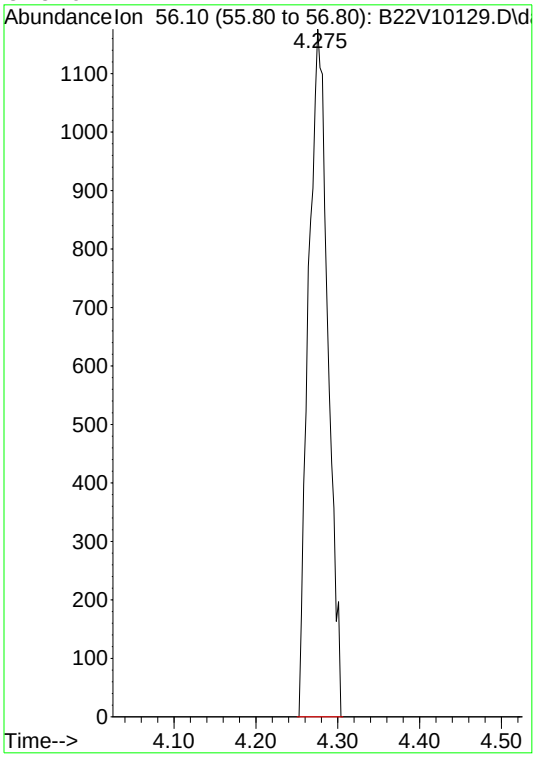
Tue Apr 12 10:59:51 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ACETONE



Original Integration
CYCLOHEXANE



Original Int. Results

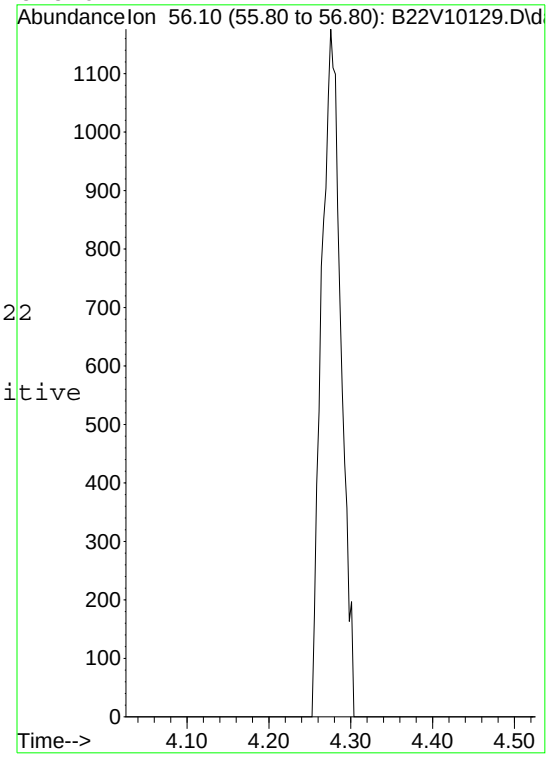
RT : 4.28
Area : 1935
Amount: 0.663951

Manual Int. Results

Tue Apr 12 11:00:02 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

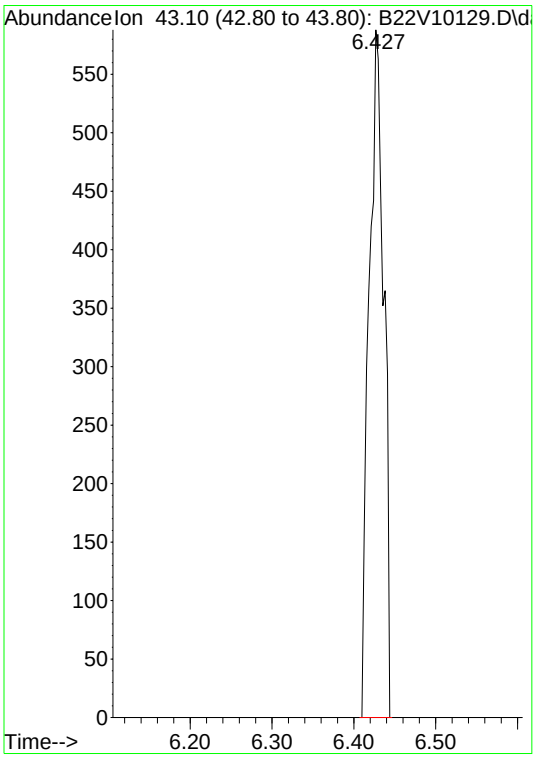
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10129.D
Acq On : 11 Apr 2022 7:04 pm
Operator :
Sample : 22D0541-12
Misc :

Quant Time : Tue Apr 12 11:00:11 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

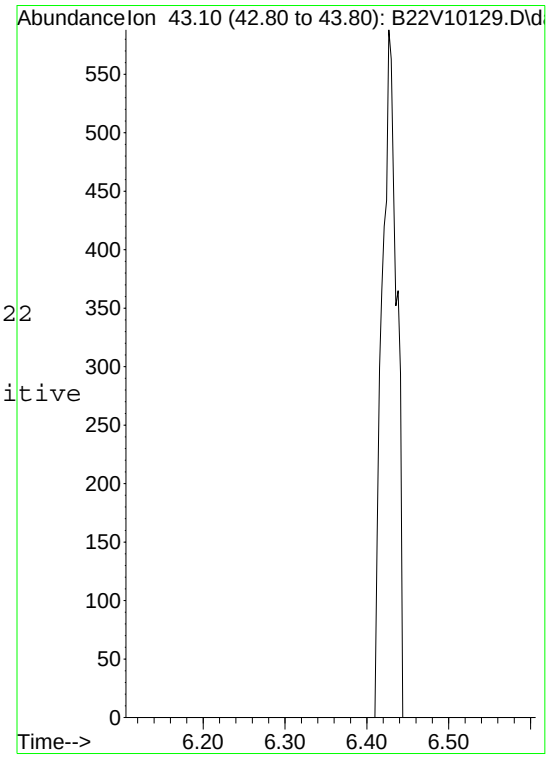
RT : 6.43
Area : 733
Amount: 0.403125

Manual Int. Results

Tue Apr 12 11:00:10 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13	File ID:	B22V10130.D
Sampled:	04/05/22 12:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:31
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13	File ID:	B22V10130.D
Sampled:	04/05/22 12:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:31
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13	File ID:	B22V10130.D
Sampled:	04/05/22 12:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:31
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10130.D
Acq On : 11 Apr 2022 7:31 pm
Operator :
Sample : 22D0541-13 Inst : GCMSVOA2
Misc :
ALS Vial : 30 Sample Multiplier: 1

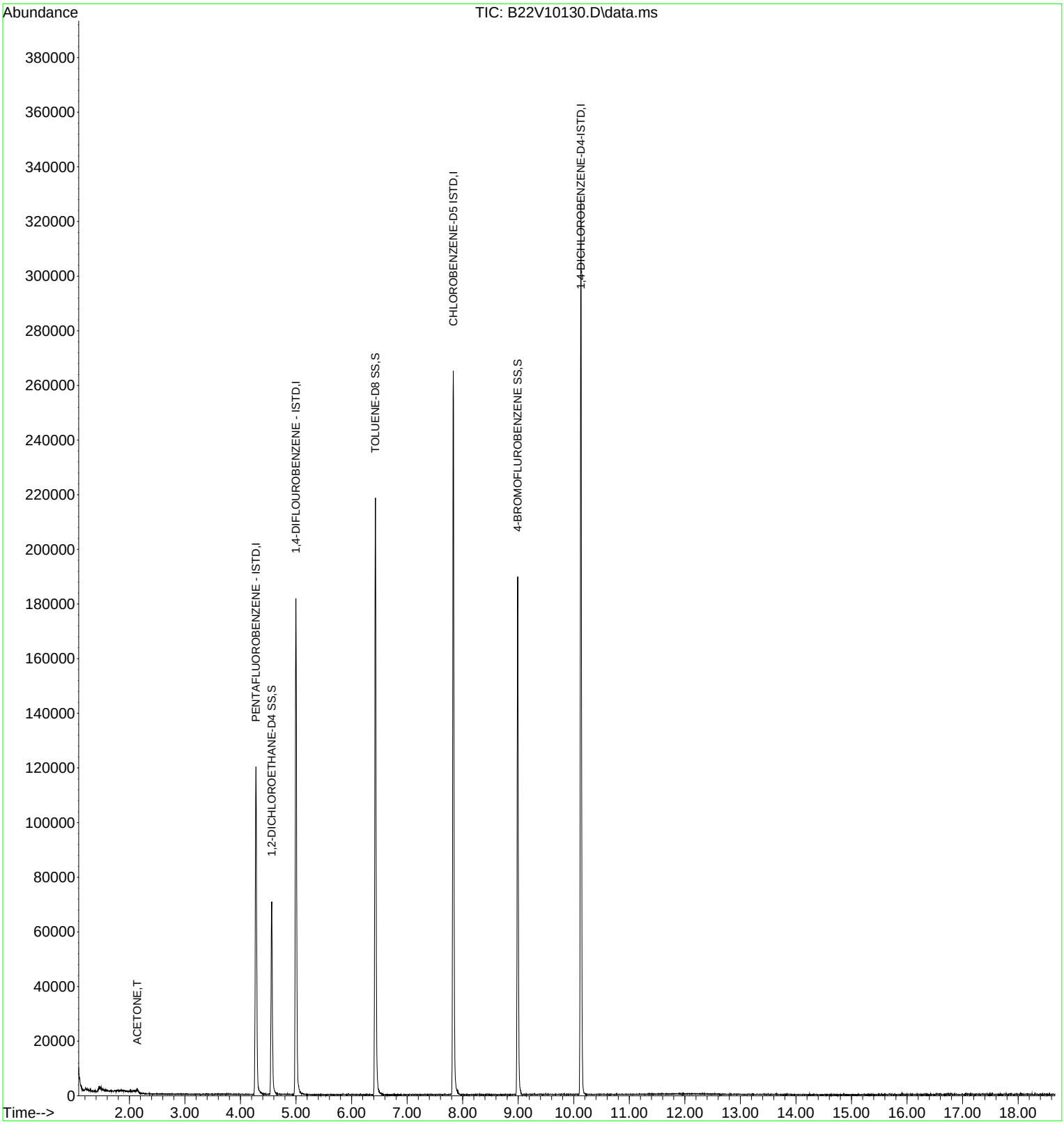
Quant Time: Apr 12 11:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

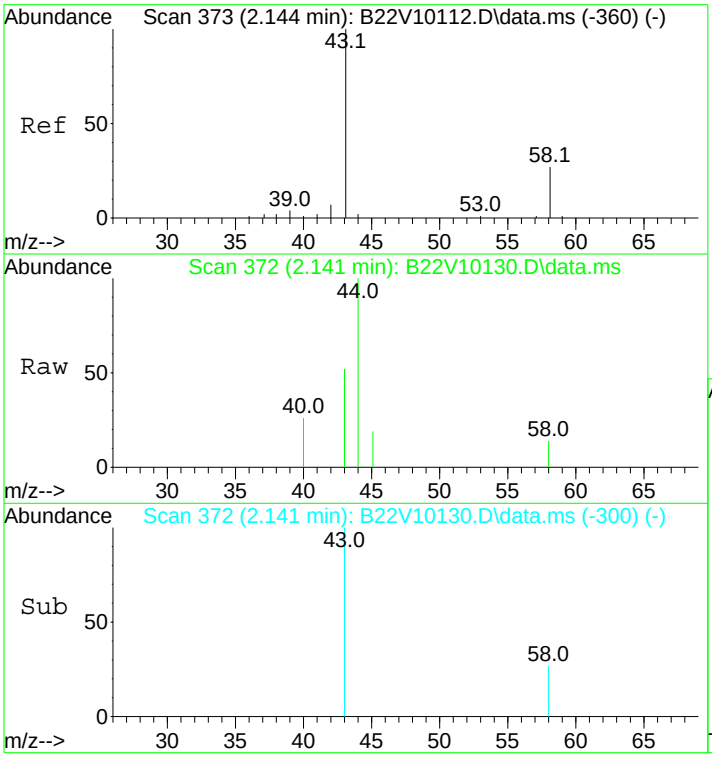
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	77134	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	122518	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	67264	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	76880	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	45489	22.89	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.56%			
45) TOLUENE-D8 SS	6.430	98	120351	23.50	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.00%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	50306	24.10	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.40%			
Target Compounds						Qvalue
14) ACETONE	2.141	43	798	1.46	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10130.D
Acq On : 11 Apr 2022 7:31 pm
Operator :
Sample : 22D0541-13 Inst : GCMSVOA2
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 12 11:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

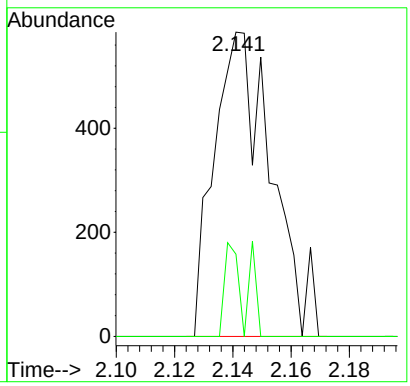




#14
ACETONE
Concen: 1.46 UG/L
RT: 2.141 min Scan# 372
Delta R.T. -0.008 min
Lab File: B22V10130.D
Acq: 11 Apr 2022 7:31 pm

Tgt Ion: 43 Resp: 798

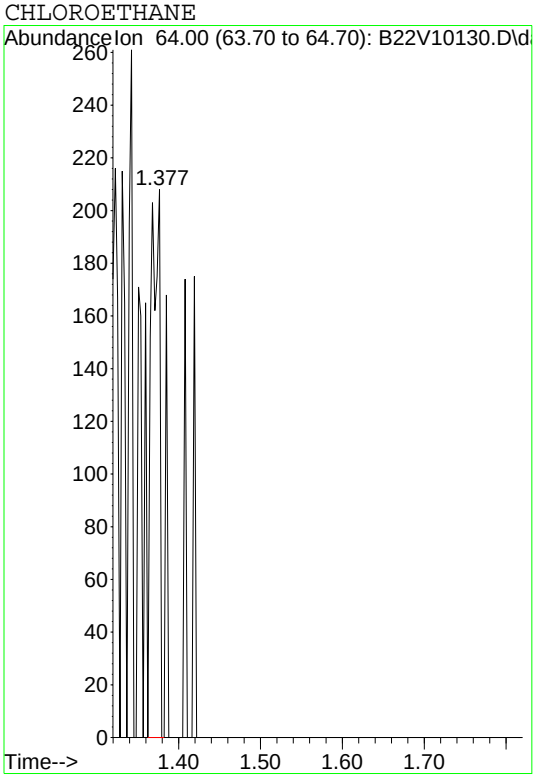
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10130.D
Acq On : 11 Apr 2022 7:31 pm
Operator :
Sample : 22D0541-13
Misc :

Quant Time : Tue Apr 12 11:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CHLOROETHANE



Original Int. Results

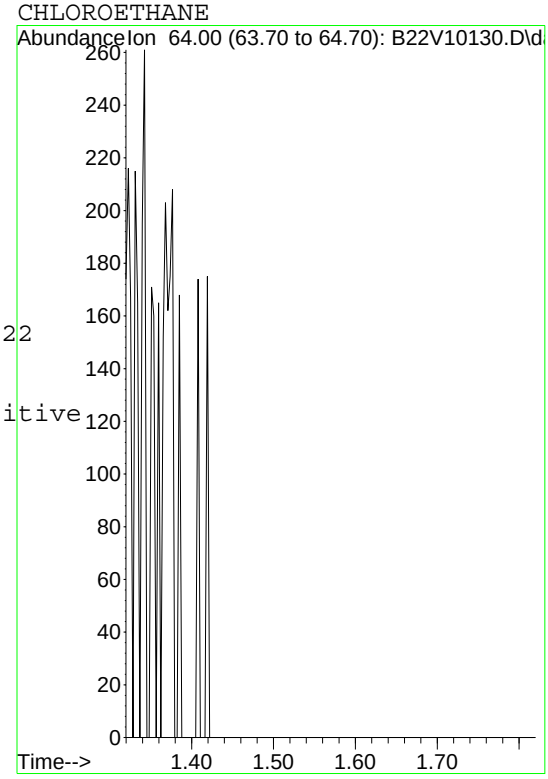
RT : 1.38
Area : 154
Amount: 0.156

Manual Int. Results

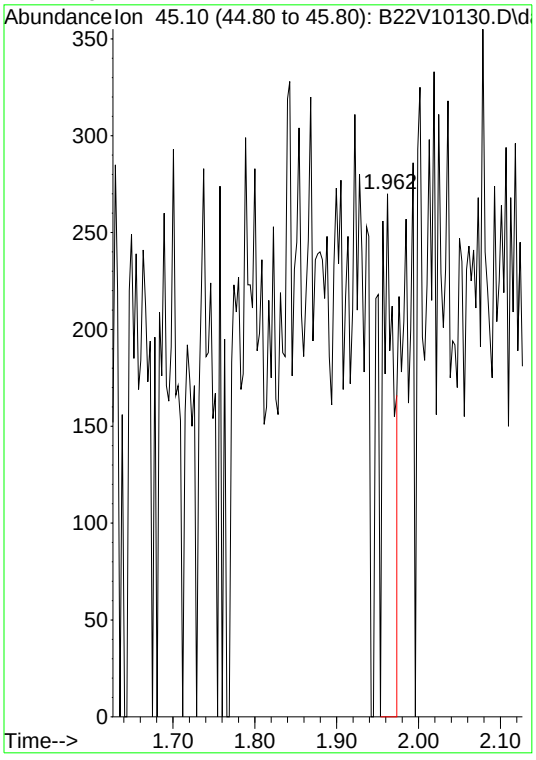
Tue Apr 12 11:01:03 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CHLOROETHANE



Original Integration
ETHANOL



Original Int. Results

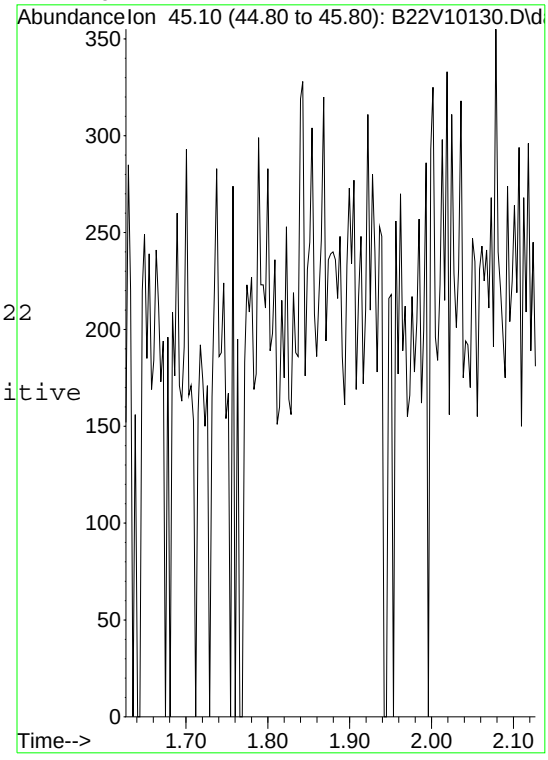
RT : 1.96
Area : 243
Amount: 9.72118

Manual Int. Results

Tue Apr 12 11:01:07 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

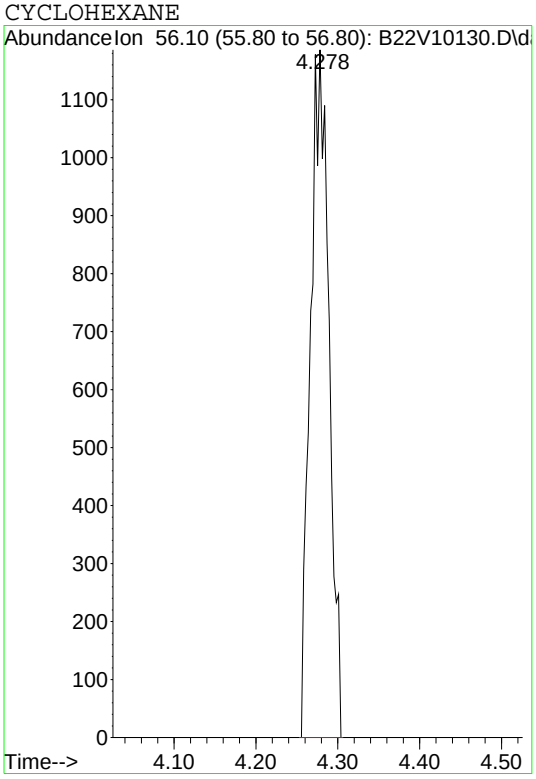
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10130.D
Acq On : 11 Apr 2022 7:31 pm
Operator :
Sample : 22D0541-13
Misc :

Quant Time : Tue Apr 12 11:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

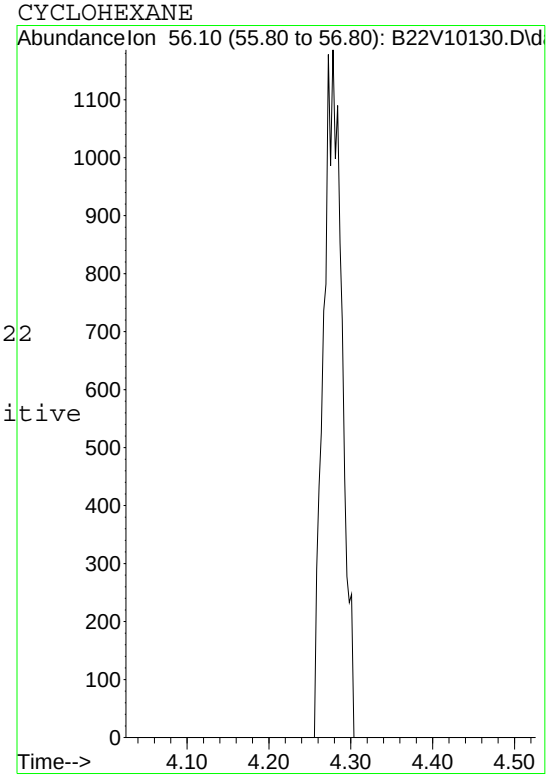
RT : 4.28
Area : 1873
Amount: 0.637203

Manual Int. Results

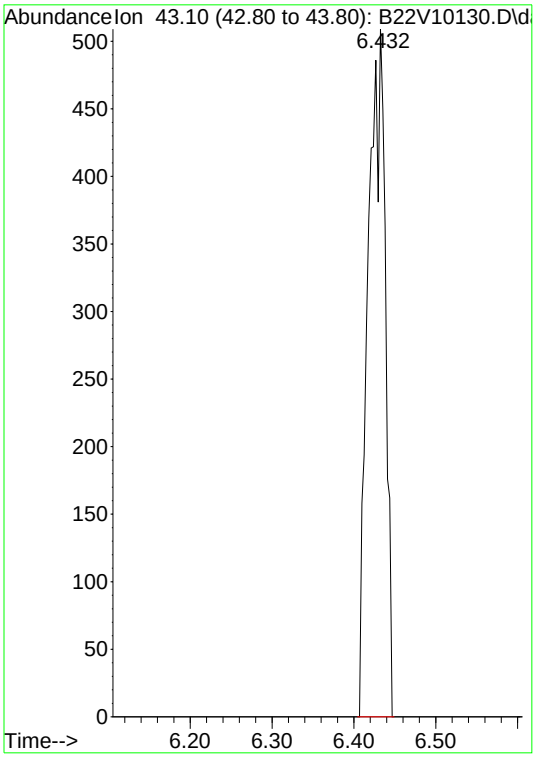
Tue Apr 12 11:01:20 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

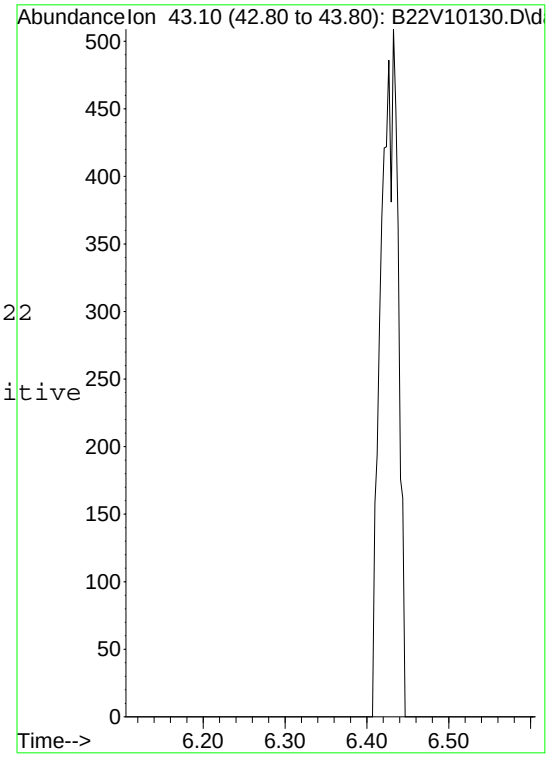
RT : 6.43
Area : 747
Amount: 0.411211

Manual Int. Results

Tue Apr 12 11:01:30 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14	File ID:	B22V10131.D
Sampled:	04/06/22 10:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14	File ID:	B22V10131.D
Sampled:	04/06/22 10:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14	File ID:	B22V10131.D
Sampled:	04/06/22 10:15	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 19:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10131.D
Acq On : 11 Apr 2022 7:57 pm
Operator :
Sample : 22D0541-14 Inst : GCMSVOA2
Misc :
ALS Vial : 31 Sample Multiplier: 1

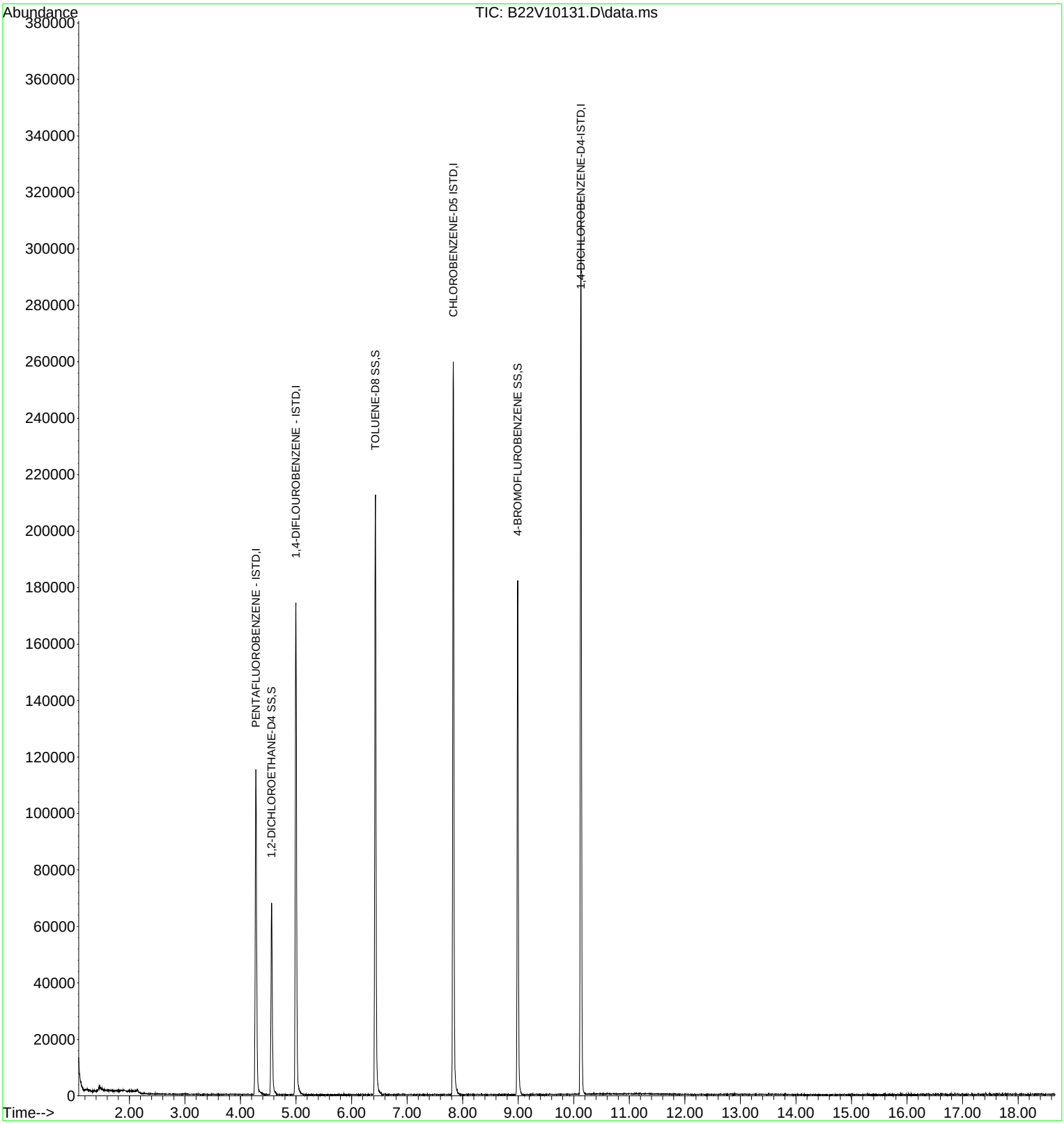
Quant Time: Apr 12 11:03:16 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	74989	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	119043	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	65337	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	74945	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	43944	22.74	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.96%			
45) TOLUENE-D8 SS	6.430	98	117547	23.62	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.48%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	48868	24.10	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.40%			
Target Compounds						Qvalue

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10131.D
Acq On : 11 Apr 2022 7:57 pm
Operator :
Sample : 22D0541-14 Inst : GCMSVOA2
Misc :
ALS Vial : 31 Sample Multiplier: 1

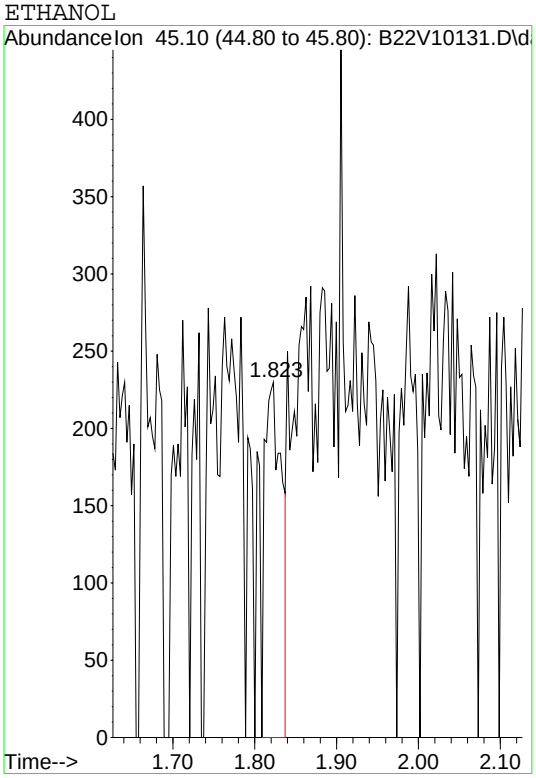
Quant Time: Apr 12 11:03:16 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10131.D
Acq On : 11 Apr 2022 7:57 pm
Operator :
Sample : 22D0541-14
Misc :

Quant Time : Tue Apr 12 11:03:16 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

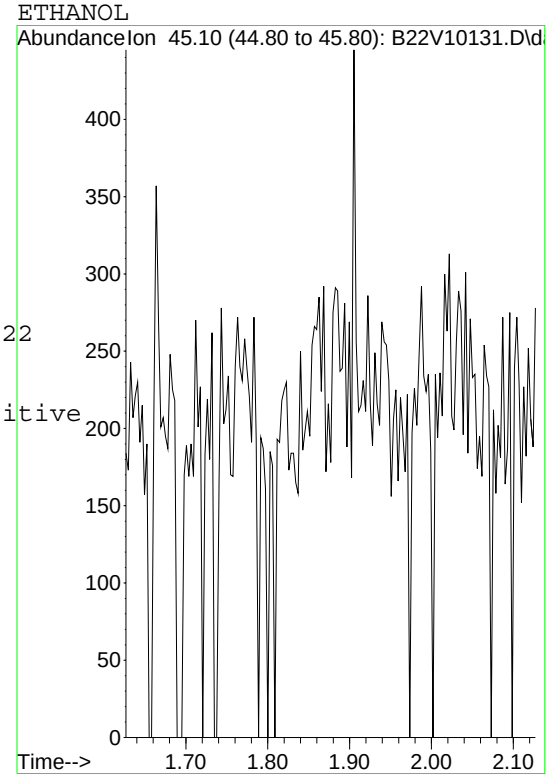
RT : 1.82
Area : 328
Amount: 13.4969

Manual Int. Results

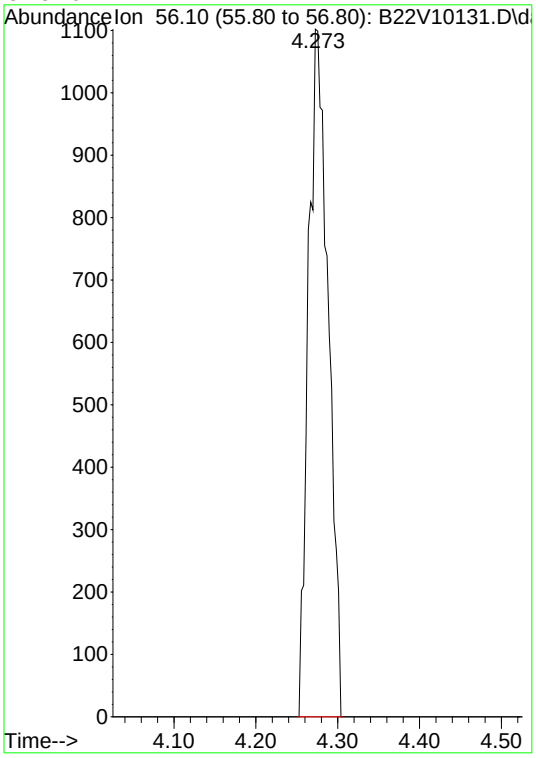
Tue Apr 12 11:02:54 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

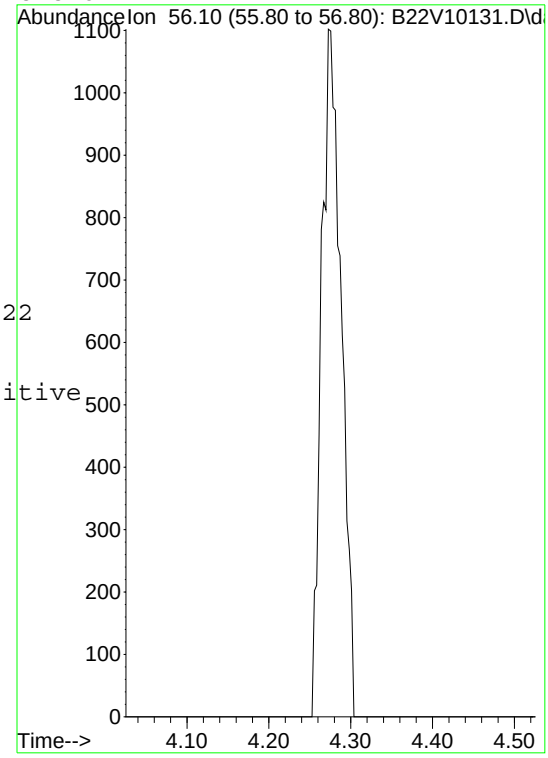
RT : 4.27
Area : 1850
Amount: 0.647381

Manual Int. Results

Tue Apr 12 11:03:06 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

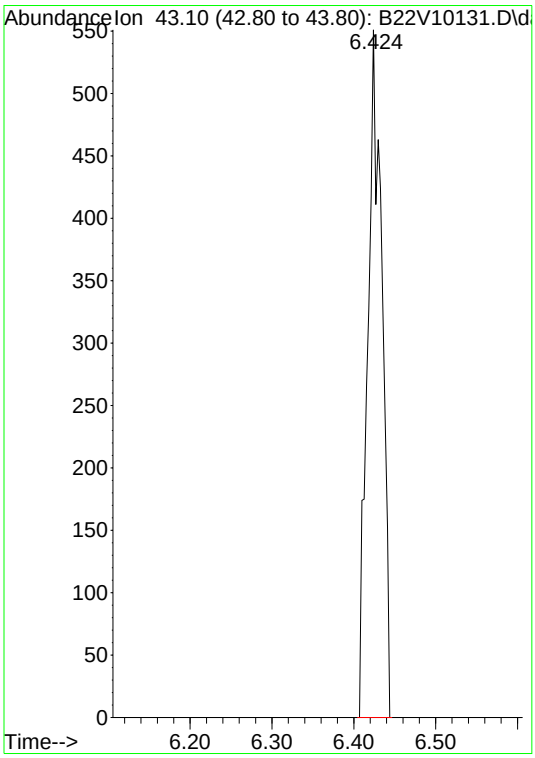
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10131.D
Acq On : 11 Apr 2022 7:57 pm
Operator :
Sample : 22D0541-14
Misc :

Quant Time : Tue Apr 12 11:03:16 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

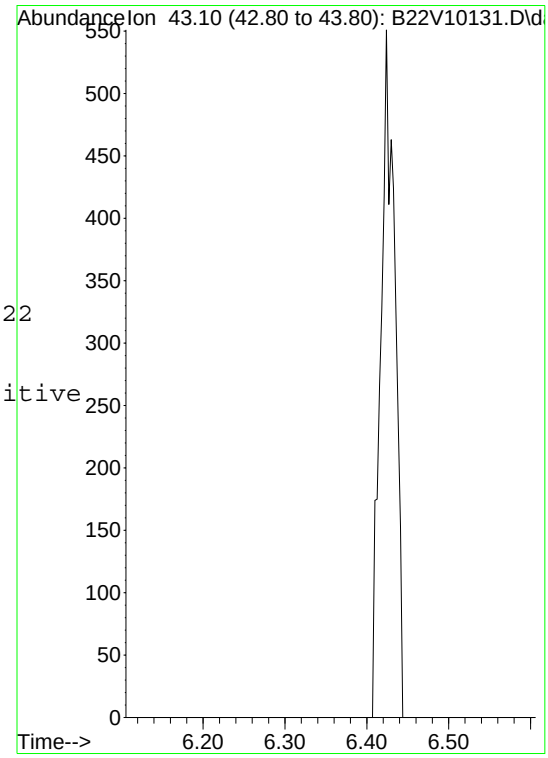
RT : 6.42
Area : 670
Amount: 0.37959

Manual Int. Results

Tue Apr 12 11:03:15 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15	File ID:	B22V10132.D
Sampled:	04/06/22 11:48	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 20:23
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15	File ID:	B22V10132.D
Sampled:	04/06/22 11:48	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 20:23
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15	File ID:	B22V10132.D
Sampled:	04/06/22 11:48	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 20:23
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10132.D
Acq On : 11 Apr 2022 8:23 pm
Operator :
Sample : 22D0541-15 Inst : GCMSVOA2
Misc :
ALS Vial : 32 Sample Multiplier: 1

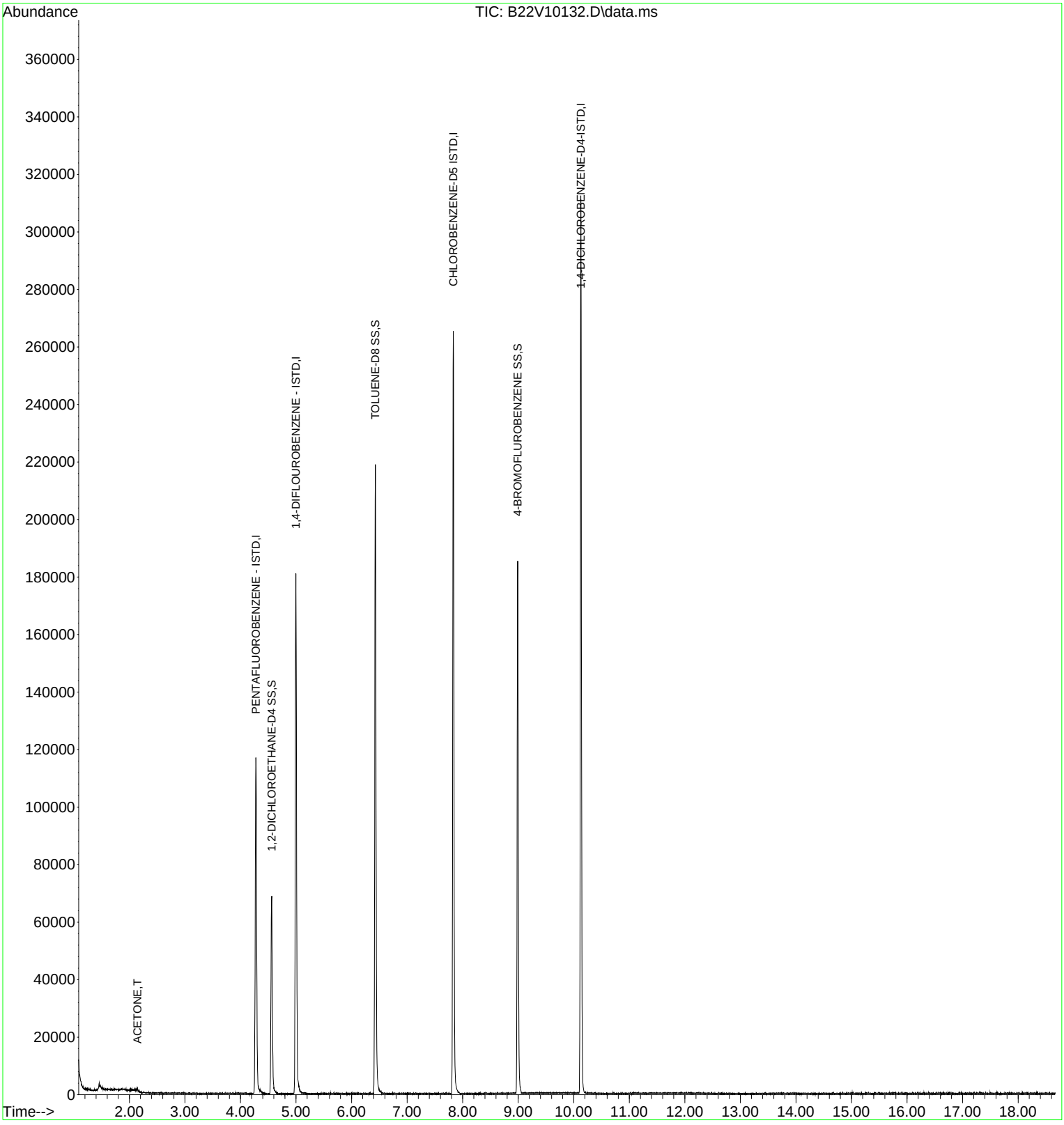
Quant Time: Apr 12 11:06:24 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

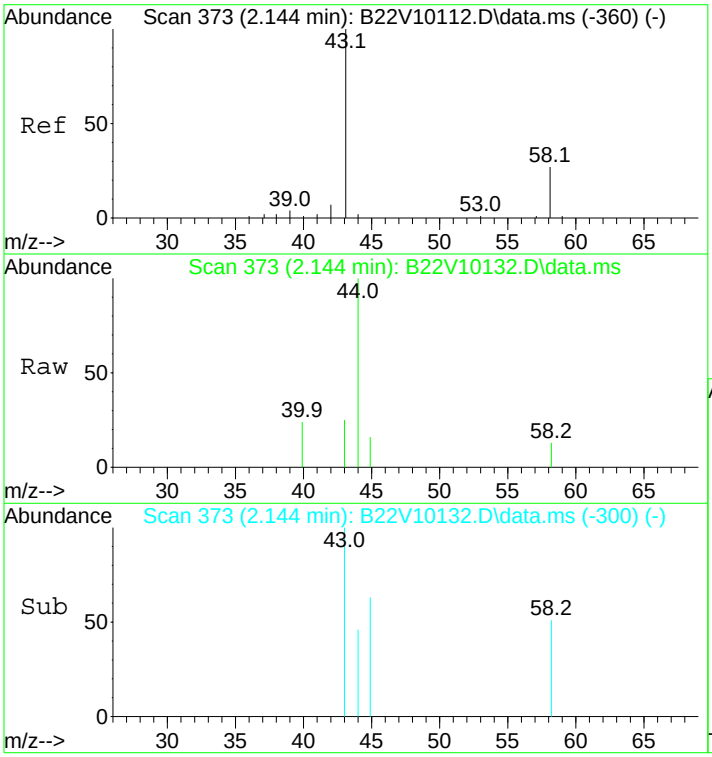
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	76328	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	122139	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66242	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	71792	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.562	65	45304	23.03	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.12%			
45) TOLUENE-D8 SS	6.427	98	118647	23.24	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.96%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	49664	24.16	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.64%			
Target Compounds						Qvalue
14) ACETONE	2.144	43	414m	0.76	UG/L	

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10132.D
Acq On : 11 Apr 2022 8:23 pm
Operator :
Sample : 22D0541-15 Inst : GCMSVOA2
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Apr 12 11:06:24 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

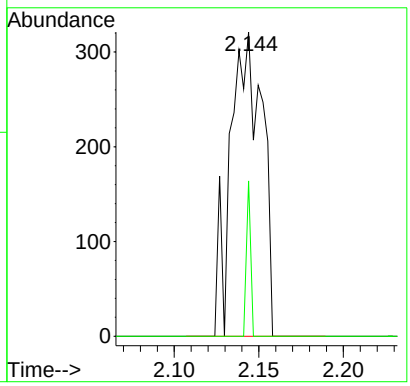




#14
ACETONE
Concen: 0.76 UG/L m
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10132.D
Acq: 11 Apr 2022 8:23 pm

Tgt Ion: 43 Resp: 414

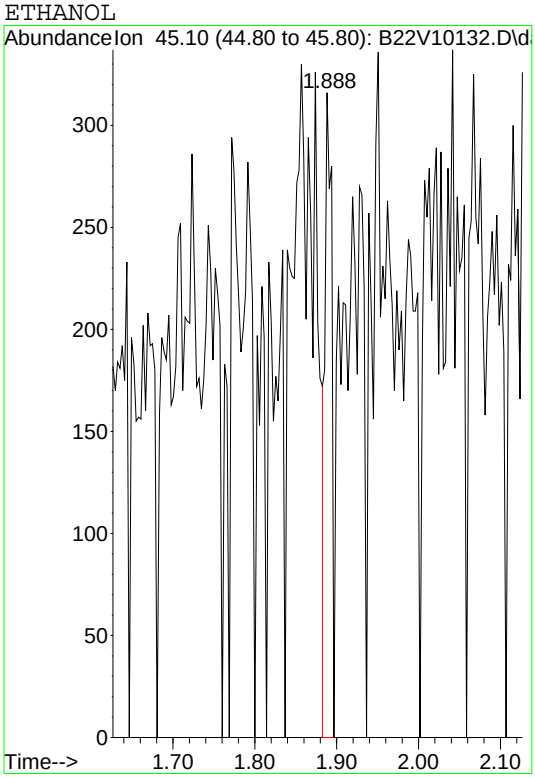
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10132.D
Acq On : 11 Apr 2022 8:23 pm
Operator :
Sample : 22D0541-15
Misc :

Quant Time : Tue Apr 12 11:06:24 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

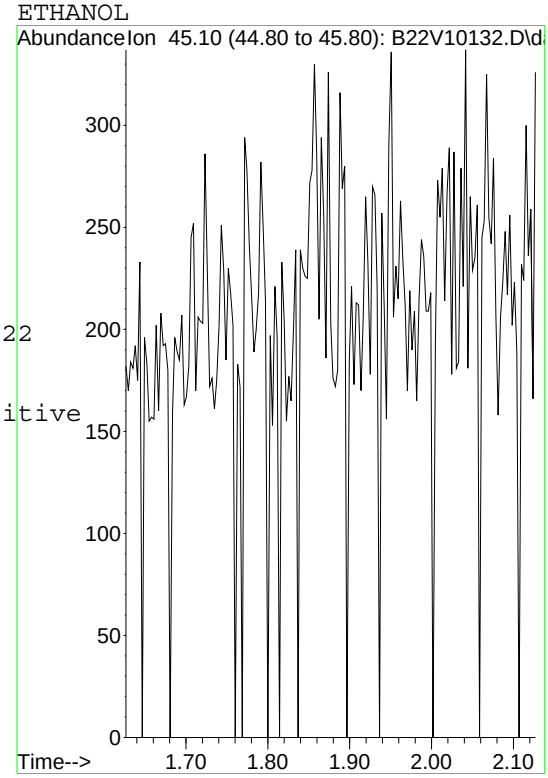
RT : 1.89
Area : 178
Amount: 7.19606

Manual Int. Results

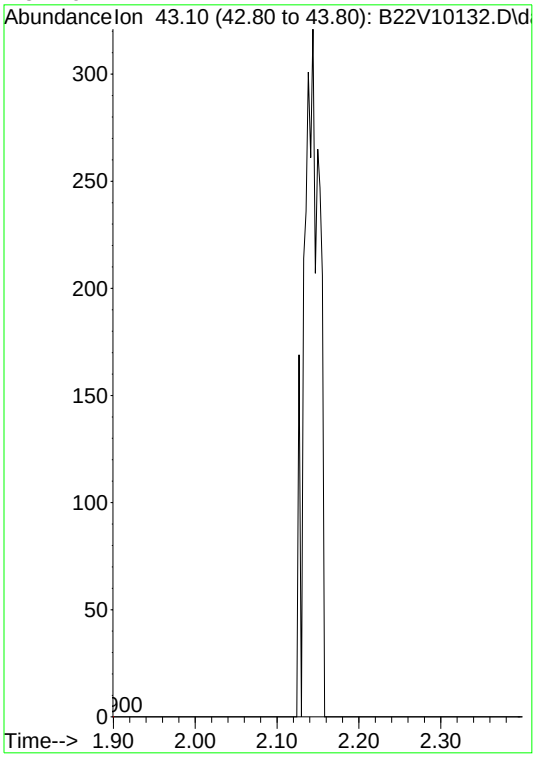
Tue Apr 12 11:05:58 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
ACETONE



Original Int. Results

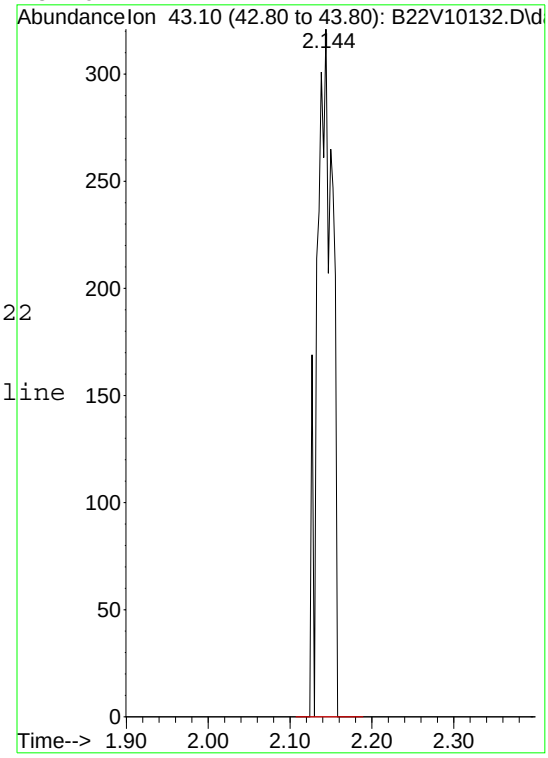
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Apr 12 11:06:02 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.14
Area : 414
Amount: 0.764886

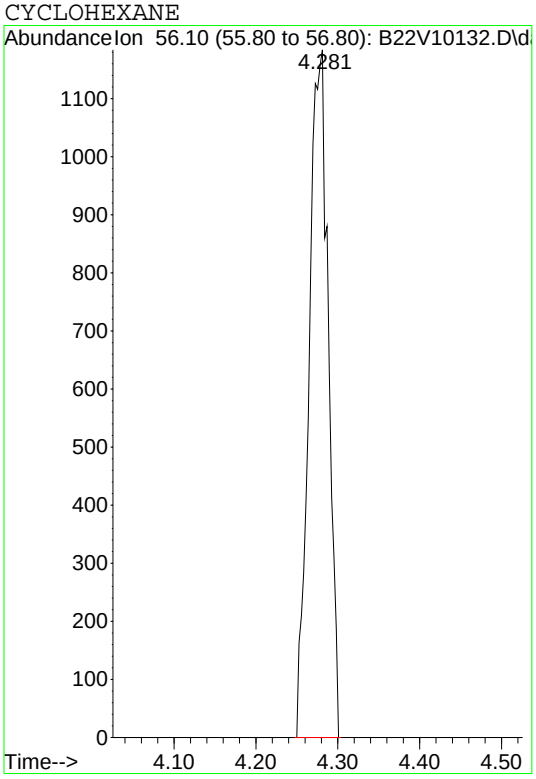
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10132.D
Acq On : 11 Apr 2022 8:23 pm
Operator :
Sample : 22D0541-15
Misc :

Quant Time : Tue Apr 12 11:06:24 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

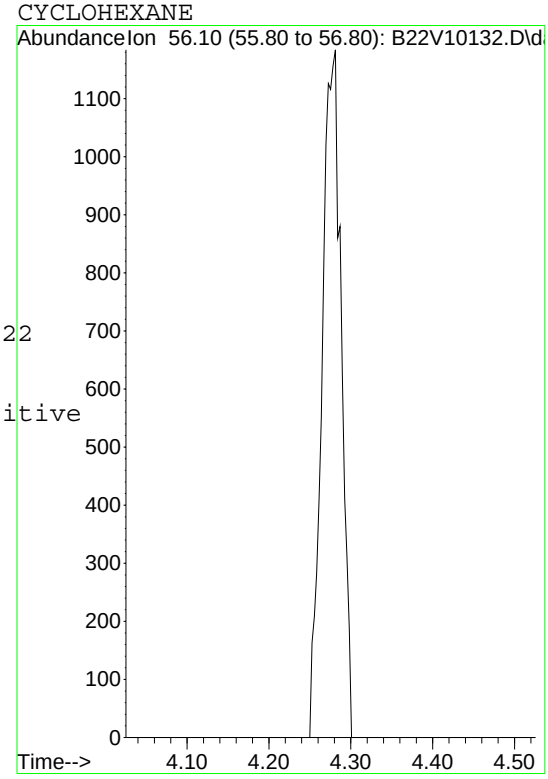
RT : 4.28
Area : 1929
Amount: 0.663184

Manual Int. Results

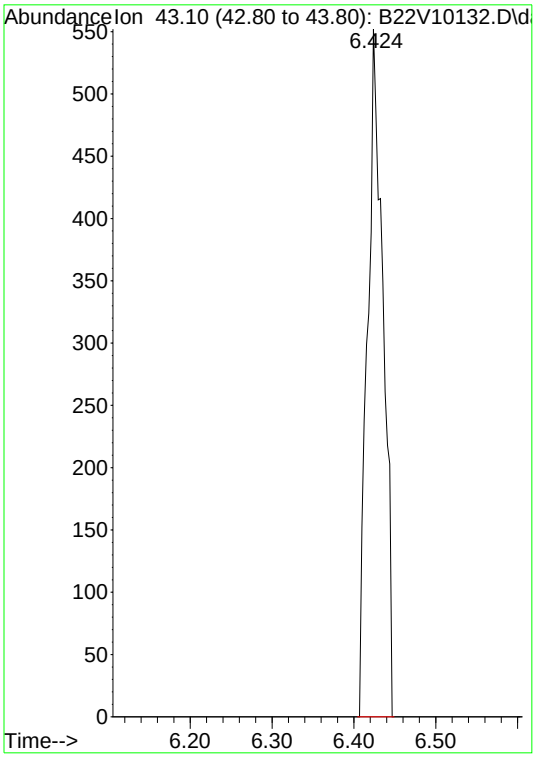
Tue Apr 12 11:06:14 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

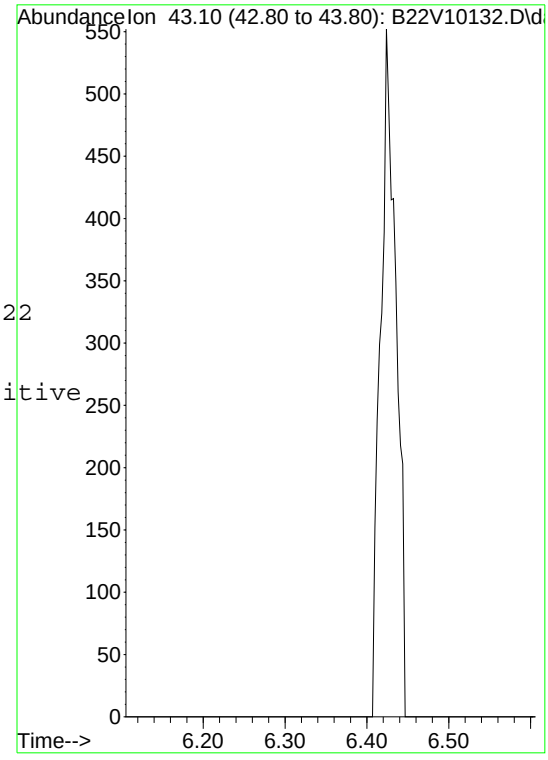
RT : 6.42
Area : 734
Amount: 0.405308

Manual Int. Results

Tue Apr 12 11:06:23 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16	File ID:	B22V10133.D
Sampled:	04/05/22 17:50	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 20:49
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.1	2.0	50	J
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16	File ID:	B22V10133.D
Sampled:	04/05/22 17:50	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 20:49
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16	File ID:	B22V10133.D
Sampled:	04/05/22 17:50	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 20:49
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10133.D
Acq On : 11 Apr 2022 8:49 pm
Operator :
Sample : 22D0541-16 Inst : GCMSVOA2
Misc :
ALS Vial : 33 Sample Multiplier: 1

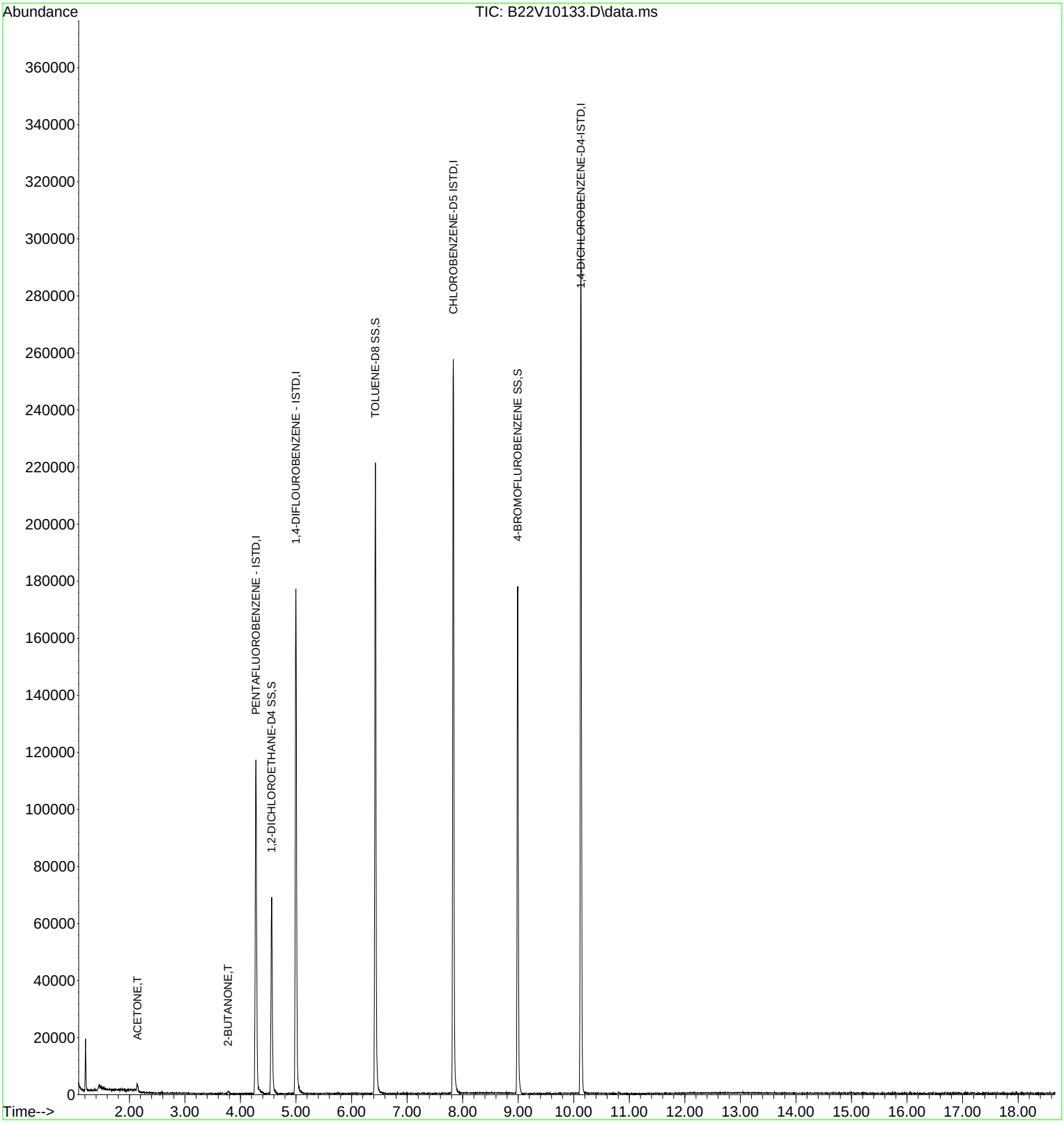
Quant Time: Apr 12 11:08:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

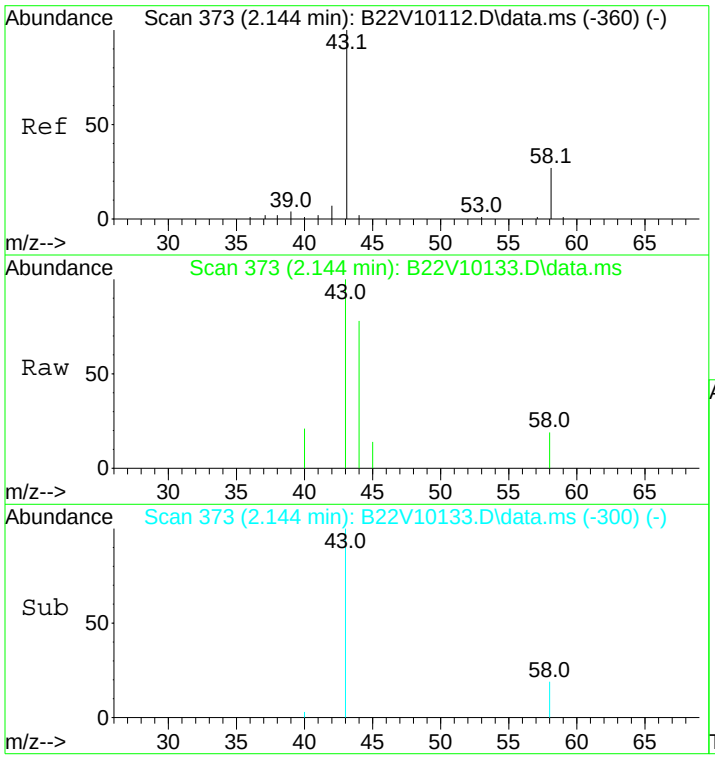
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	76135	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	120348	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	65699	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	71750	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44043	22.45	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.80%			
45) TOLUENE-D8 SS	6.427	98	117215	23.30	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.20%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	49436	24.24	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.96%			
Target Compounds						Qvalue
14) ACETONE	2.144	43	2214	4.10	UG/L	# 48
28) 2-BUTANONE	3.775	43	1188	1.41	UG/L	# 64

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10133.D
Acq On : 11 Apr 2022 8:49 pm
Operator :
Sample : 22D0541-16 Inst : GCMSVOA2
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Apr 12 11:08:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

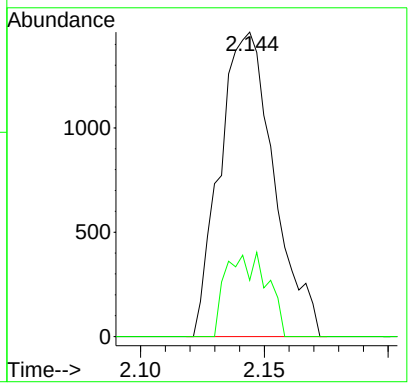


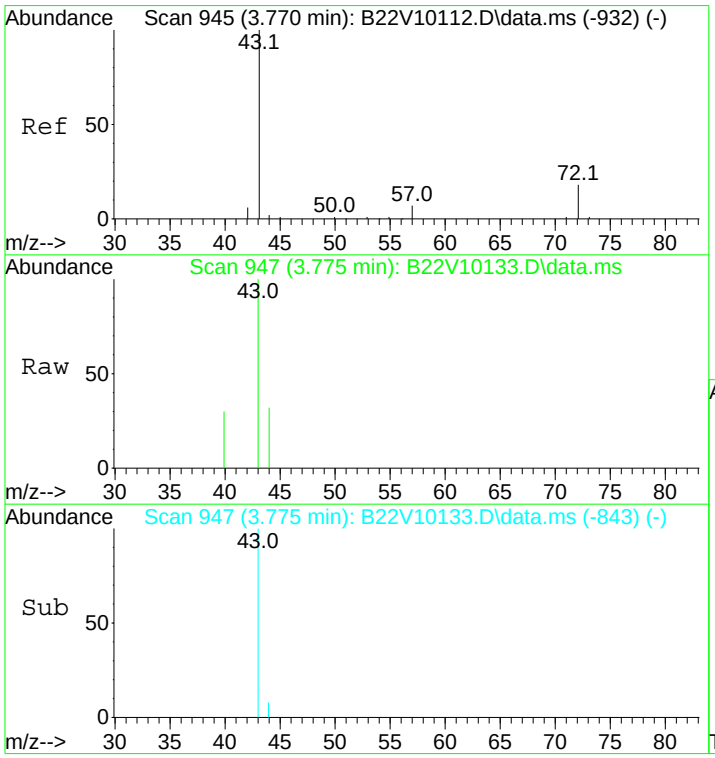


#14
ACETONE
Concen: 4.10 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10133.D
Acq: 11 Apr 2022 8:49 pm

Tgt Ion: 43 Resp: 2214

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#

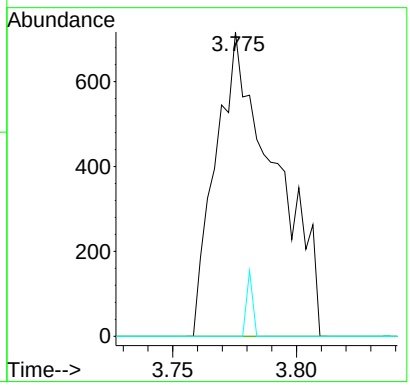




#28
2-BUTANONE
Concen: 1.41 UG/L
RT: 3.775 min Scan# 947
Delta R.T. -0.006 min
Lab File: B22V10133.D
Acq: 11 Apr 2022 8:49 pm

Tgt Ion: 43 Resp: 1188

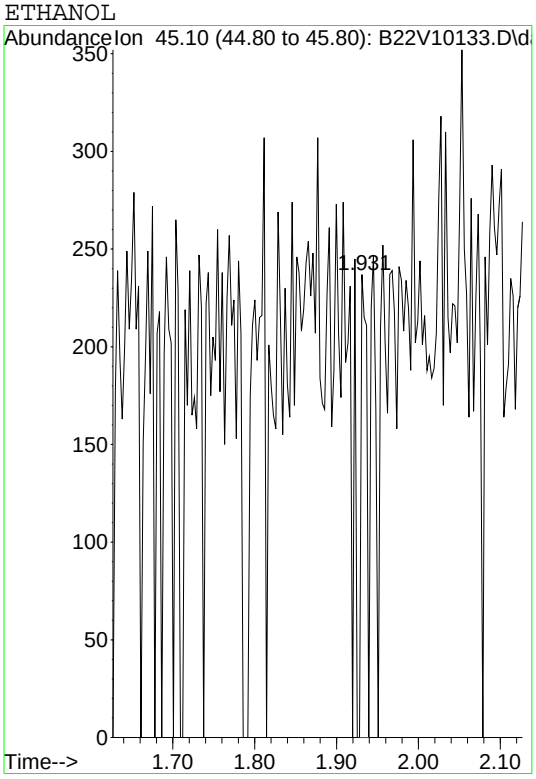
Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.3	9.5#
72	0.0	15.2	22.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10133.D
Acq On : 11 Apr 2022 8:49 pm
Operator :
Sample : 22D0541-16
Misc :

Quant Time : Tue Apr 12 11:08:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

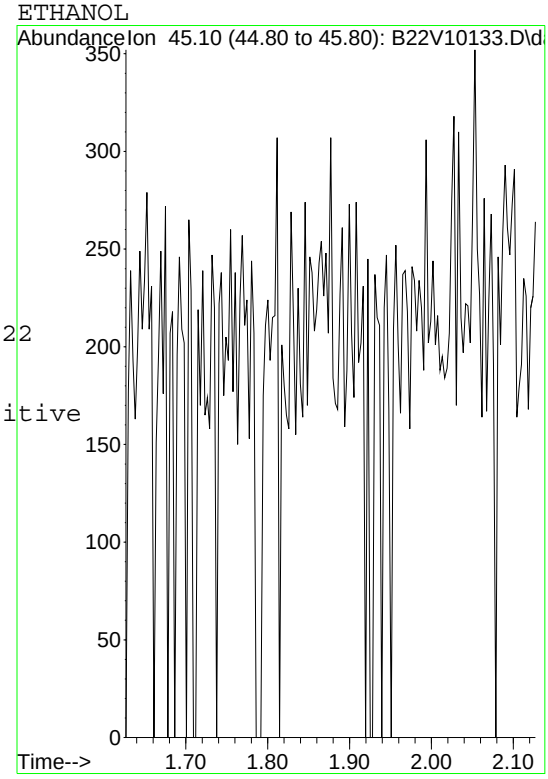
RT : 1.93
Area : 113
Amount: 4.57986

Manual Int. Results

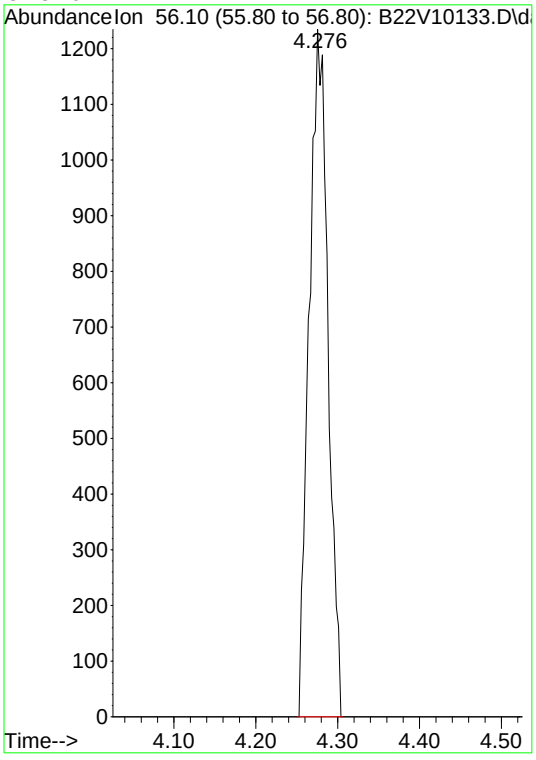
Tue Apr 12 11:08:20 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

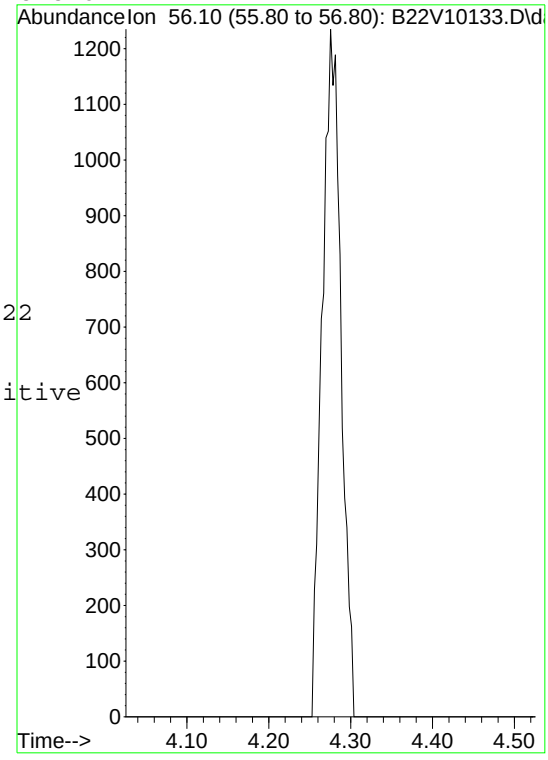
RT : 4.28
Area : 1977
Amount: 0.681409

Manual Int. Results

Tue Apr 12 11:08:33 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

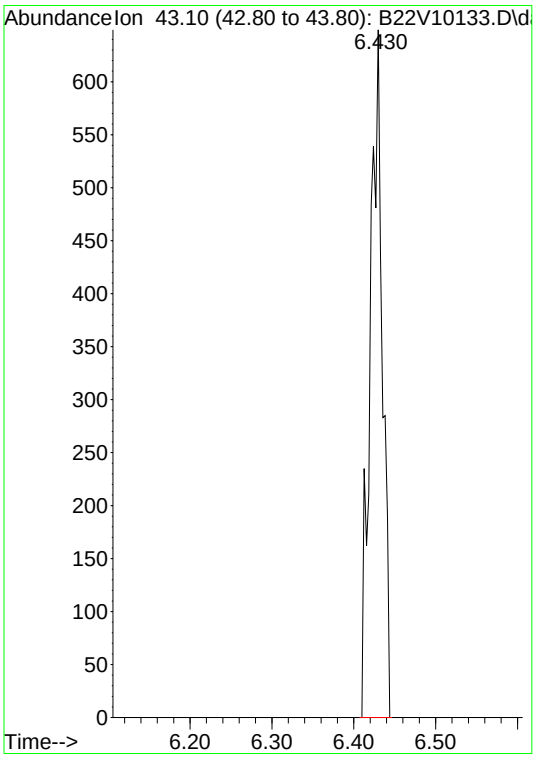
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10133.D
Acq On : 11 Apr 2022 8:49 pm
Operator :
Sample : 22D0541-16
Misc :

Quant Time : Tue Apr 12 11:08:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

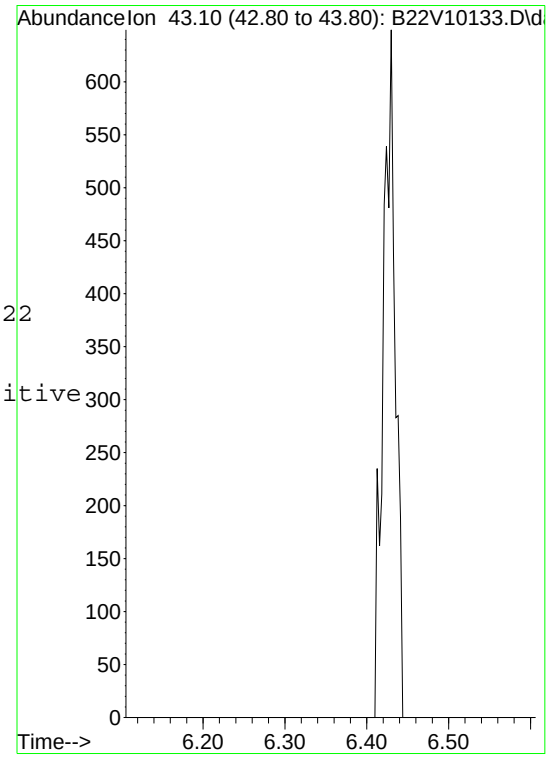
RT : 6.43
Area : 674
Amount: 0.377715

Manual Int. Results

Tue Apr 12 11:08:41 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17	File ID:	B22V10134.D
Sampled:	04/05/22 17:50	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 21:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.1	2.0	50	J
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17	File ID:	B22V10134.D
Sampled:	04/05/22 17:50	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 21:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17	File ID:	B22V10134.D
Sampled:	04/05/22 17:50	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 21:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10134.D
Acq On : 11 Apr 2022 9:16 pm
Operator :
Sample : 22D0541-17 Inst : GCMSVOA2
Misc :
ALS Vial : 34 Sample Multiplier: 1

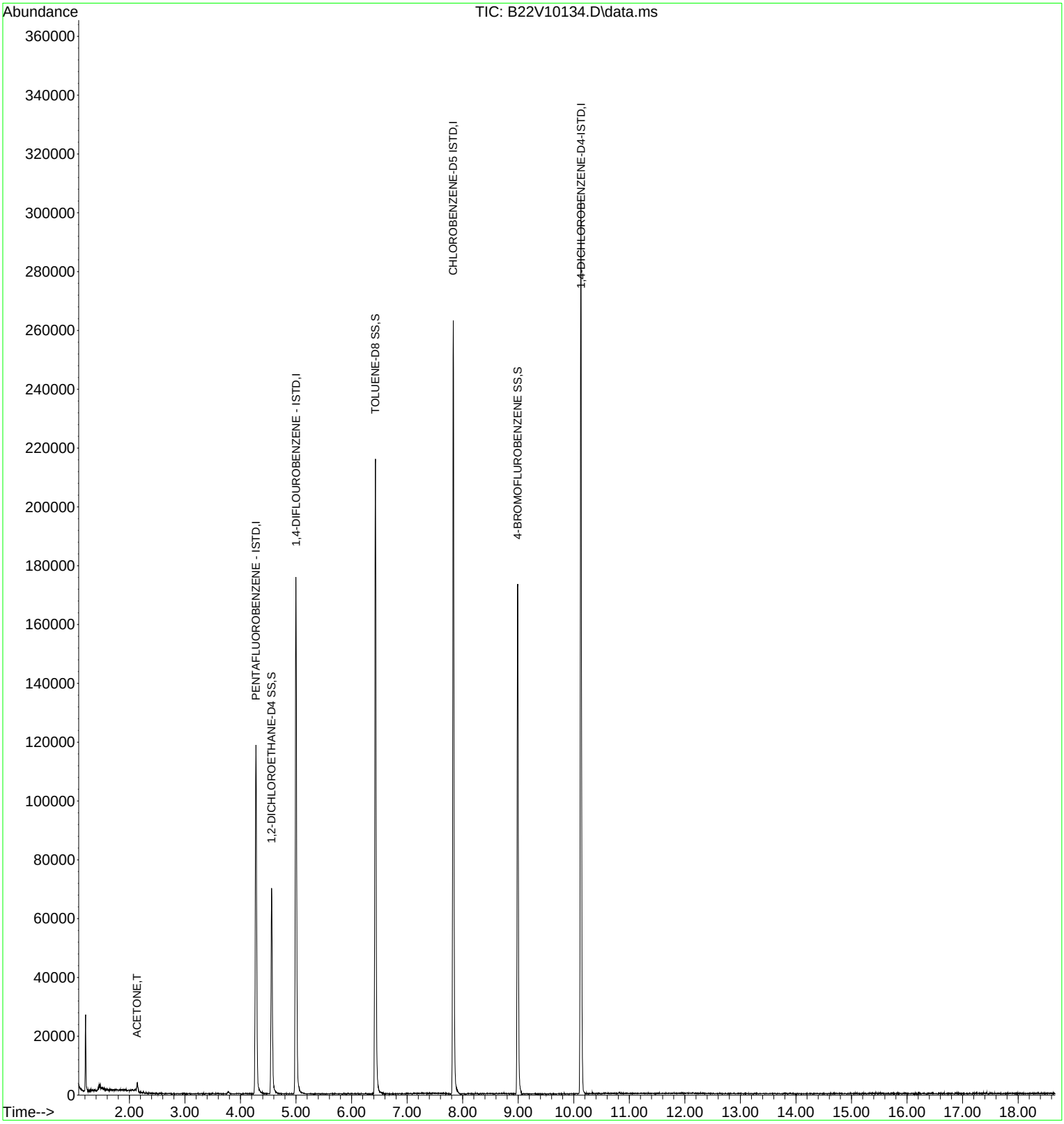
Quant Time: Apr 12 11:16:10 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

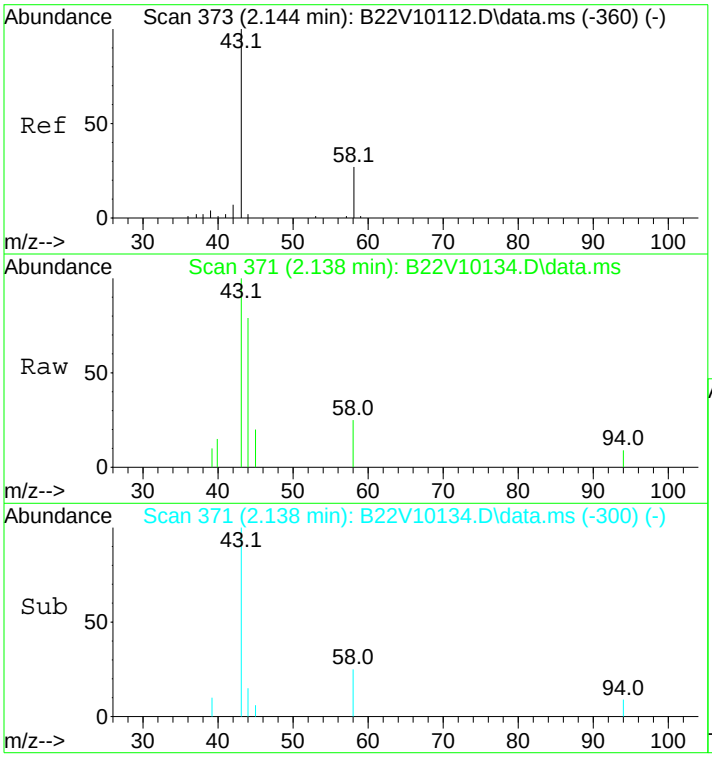
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	75081	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	5.000	114	119768	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	65240	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.130	152	71009	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44491	23.00	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.00%			
45) TOLUENE-D8 SS	6.430	98	116777	23.33	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.32%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	48348	23.88	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.52%			
Target Compounds						Qvalue
14) ACETONE	2.138	43	2176	4.09	UG/L	# 48

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10134.D
Acq On : 11 Apr 2022 9:16 pm
Operator :
Sample : 22D0541-17 Inst : GCMSVOA2
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 12 11:16:10 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

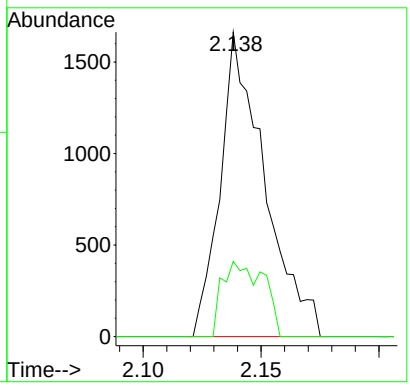




#14
ACETONE
Concen: 4.09 UG/L
RT: 2.138 min Scan# 371
Delta R.T. -0.011 min
Lab File: B22V10134.D
Acq: 11 Apr 2022 9:16 pm

Tgt Ion: 43 Resp: 2176

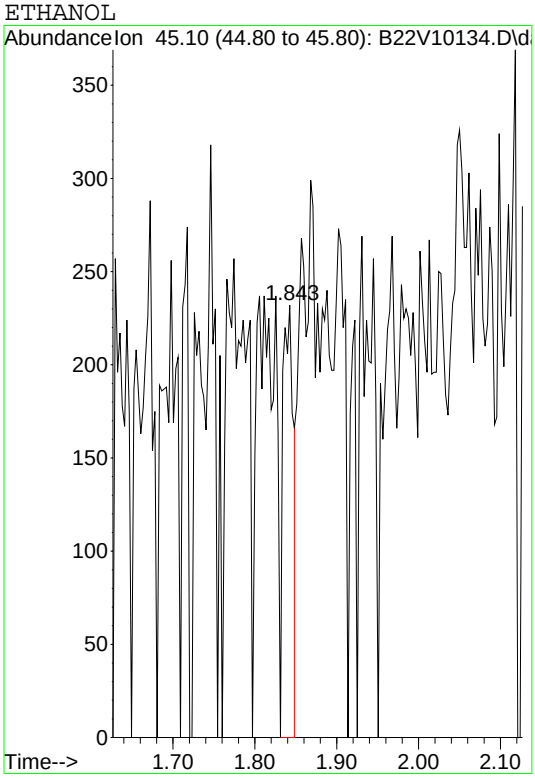
Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.2	31.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10134.D
Acq On : 11 Apr 2022 9:16 pm
Operator :
Sample : 22D0541-17
Misc :

Quant Time : Tue Apr 12 11:16:10 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

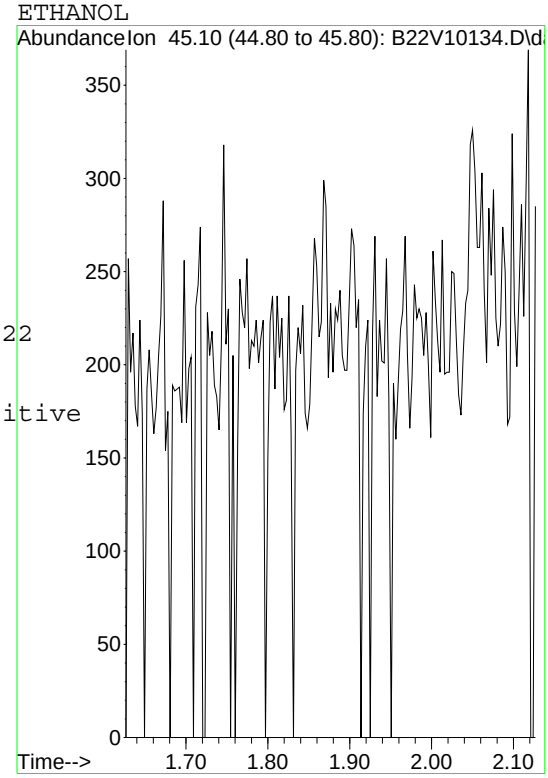
RT : 1.84
Area : 204
Amount: 8.38414

Manual Int. Results

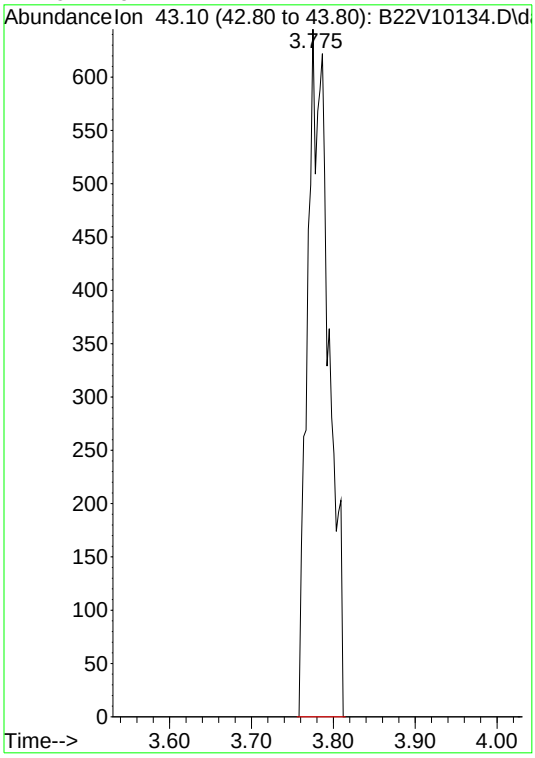
Tue Apr 12 11:15:43 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
2-BUTANONE



Original Int. Results

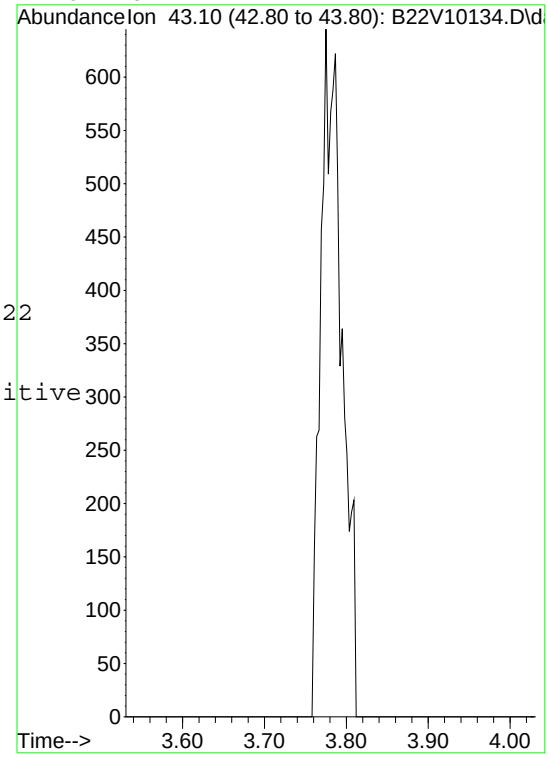
RT : 3.78
Area : 1173
Amount: 1.41298

Manual Int. Results

Tue Apr 12 11:15:53 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

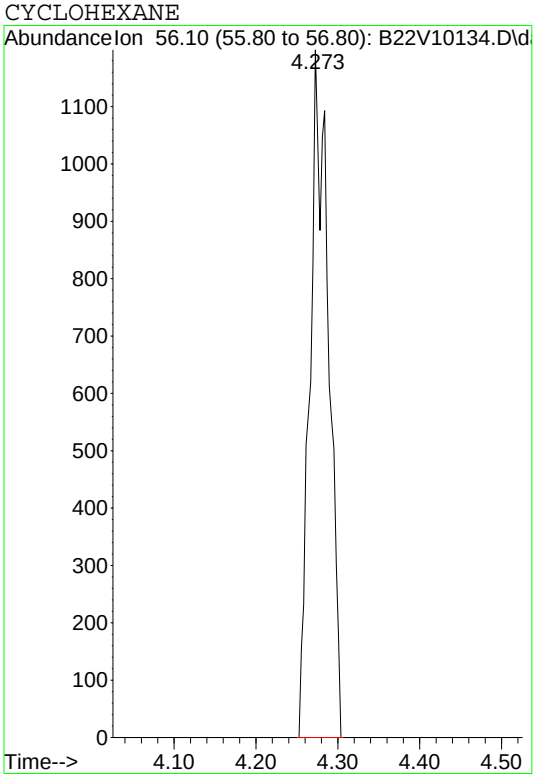
Manual Integration
2-BUTANONE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10134.D
Acq On : 11 Apr 2022 9:16 pm
Operator :
Sample : 22D0541-17
Misc :

Quant Time : Tue Apr 12 11:16:10 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

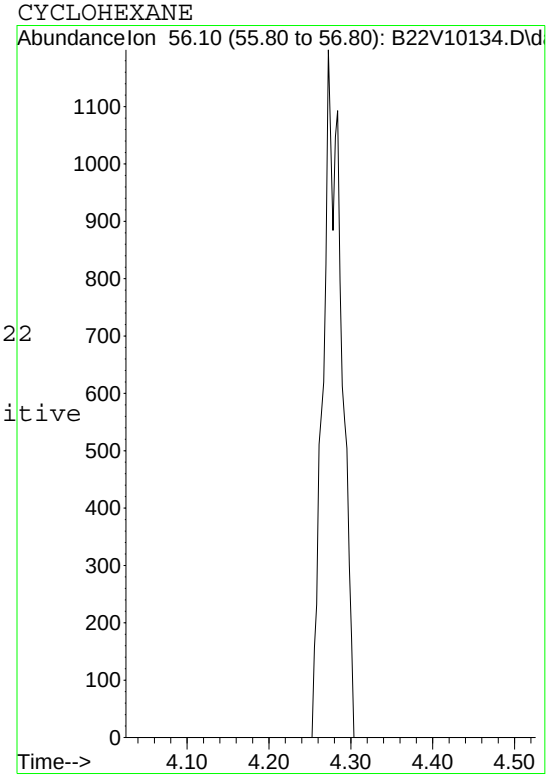
RT : 4.27
Area : 1895
Amount: 0.662315

Manual Int. Results

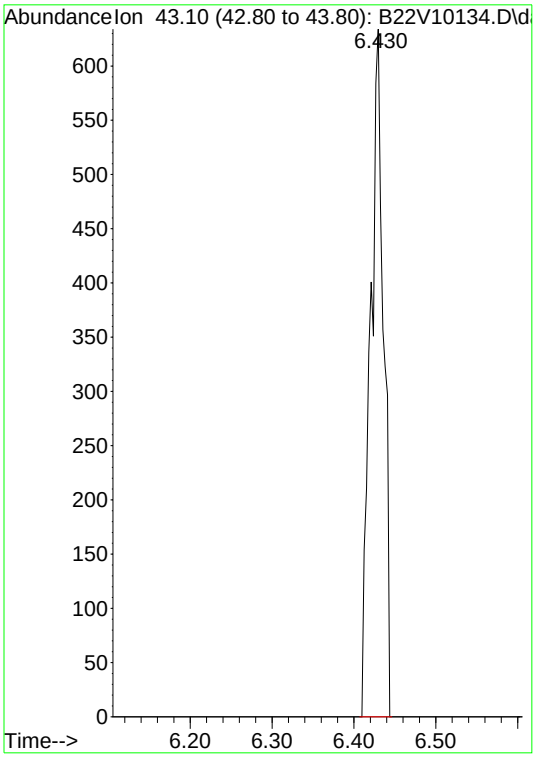
Tue Apr 12 11:15:59 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

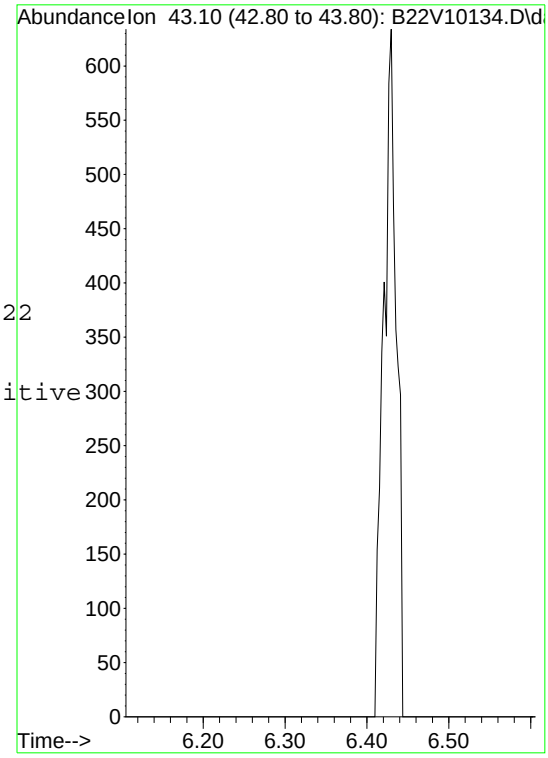
RT : 6.43
Area : 702
Amount: 0.395312

Manual Int. Results

Tue Apr 12 11:16:09 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18	File ID:	B22V10135.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 21:42
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.1	2.0	50	J
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18	File ID:	B22V10135.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 21:42
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18	File ID:	B22V10135.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 21:42
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10135.D
Acq On : 11 Apr 2022 9:42 pm
Operator :
Sample : 22D0541-18 Inst : GCMSVOA2
Misc :
ALS Vial : 35 Sample Multiplier: 1

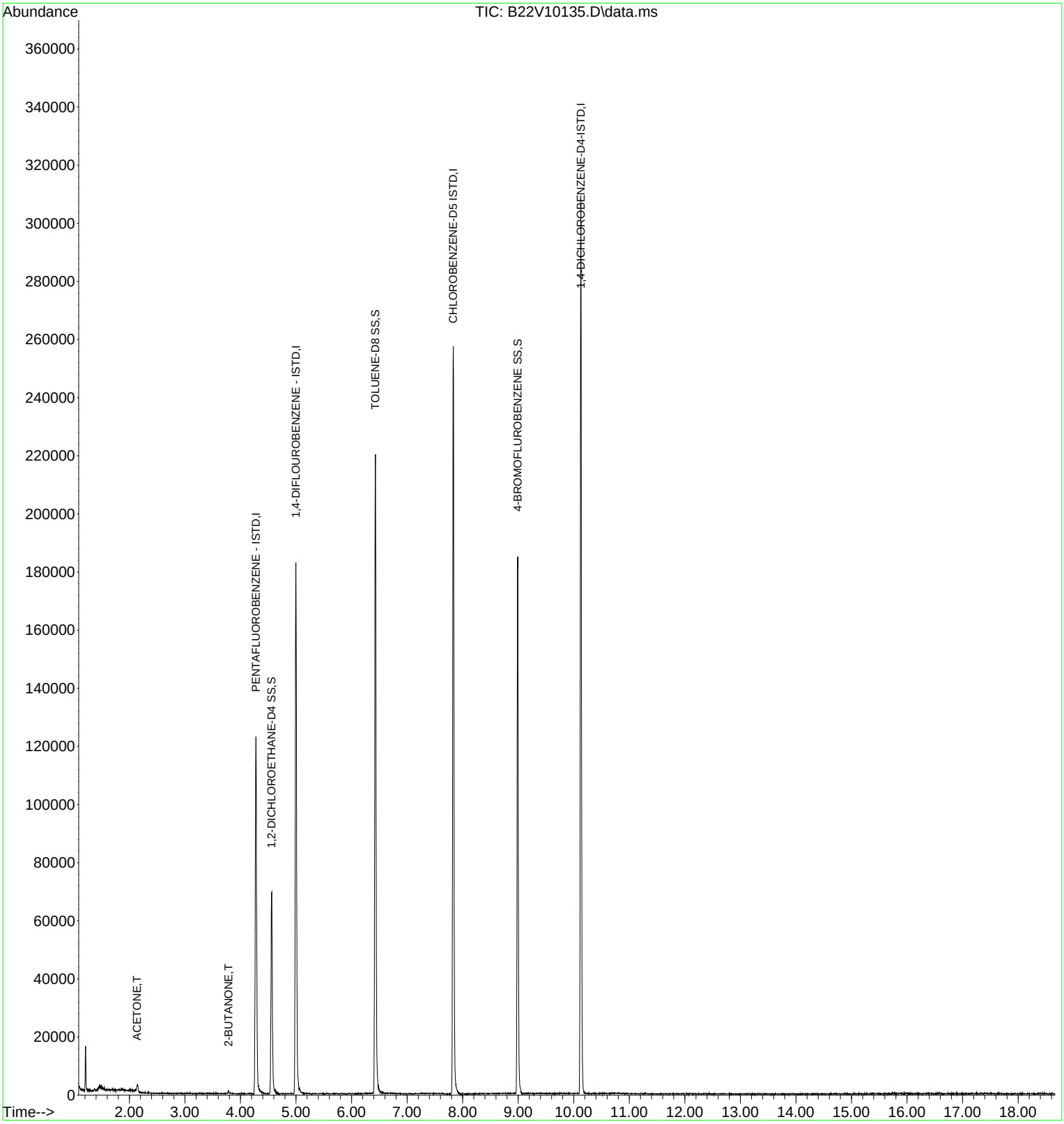
Quant Time: Apr 12 11:18:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

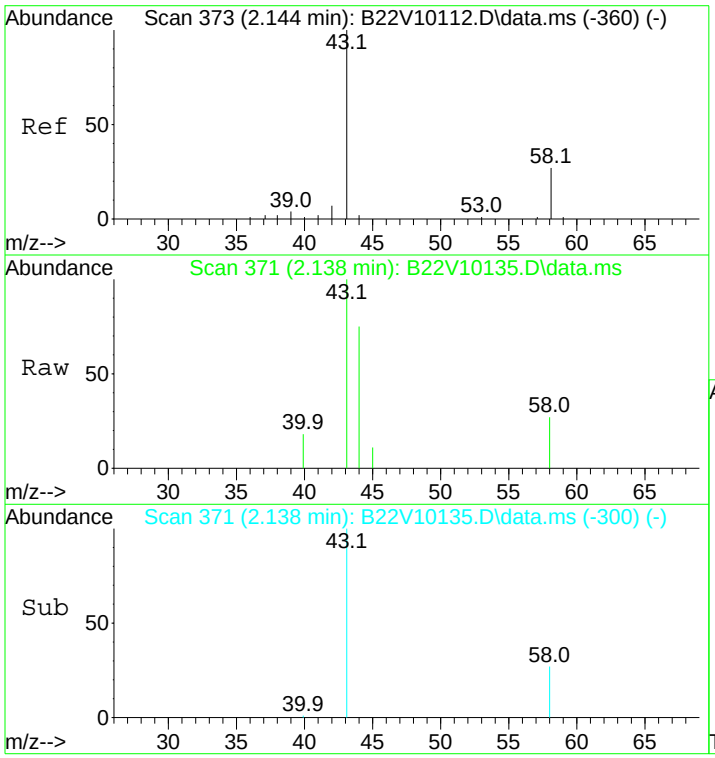
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	81665	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	125288	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.828	82	65712	30.00	UG/L	-0.01
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	71643	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45622	21.68	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.72%			
45) TOLUENE-D8 SS	6.430	98	123431	23.57	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.28%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	48849	23.95	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.80%			
Target Compounds						Qvalue
14) ACETONE	2.138	43	2370	4.09	UG/L	95
28) 2-BUTANONE	3.784	43	1281	1.42	UG/L #	64

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10135.D
Acq On : 11 Apr 2022 9:42 pm
Operator :
Sample : 22D0541-18 Inst : GCMSVOA2
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Apr 12 11:18:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

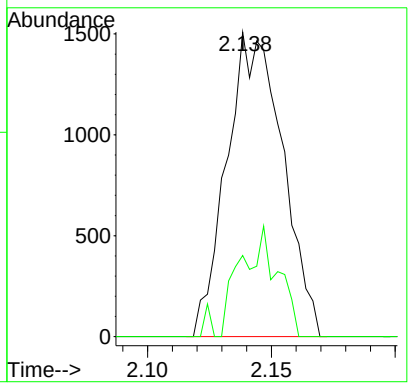


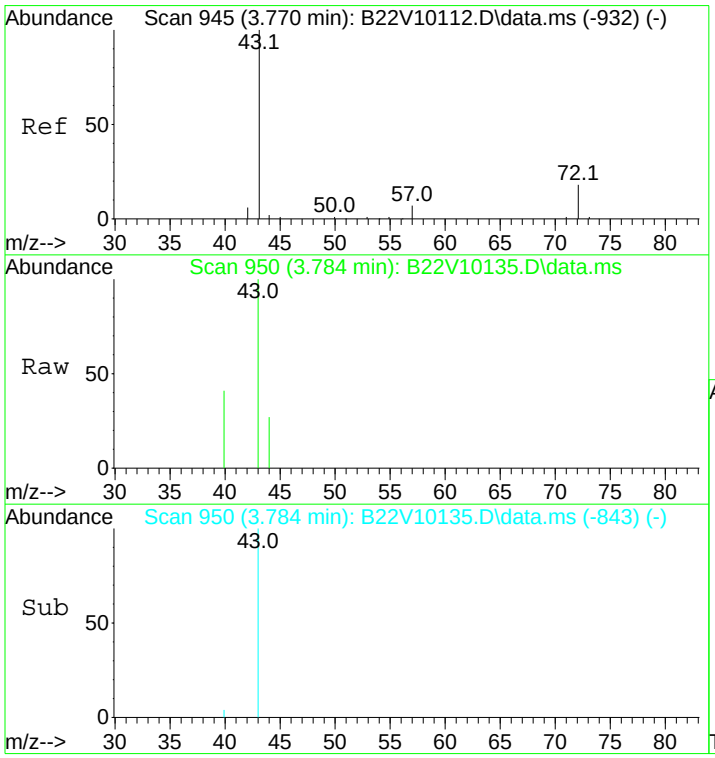


#14
ACETONE
Concen: 4.09 UG/L
RT: 2.138 min Scan# 371
Delta R.T. -0.011 min
Lab File: B22V10135.D
Acq: 11 Apr 2022 9:42 pm

Tgt Ion: 43 Resp: 2370

Ion	Ratio	Lower	Upper
43	100		
58	24.1	21.2	31.8

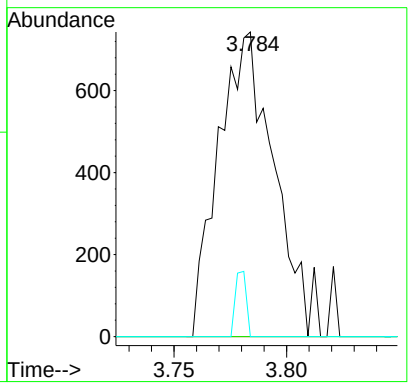




#28
2-BUTANONE
Concen: 1.42 UG/L
RT: 3.784 min Scan# 950
Delta R.T. 0.003 min
Lab File: B22V10135.D
Acq: 11 Apr 2022 9:42 pm

Tgt Ion: 43 Resp: 1281

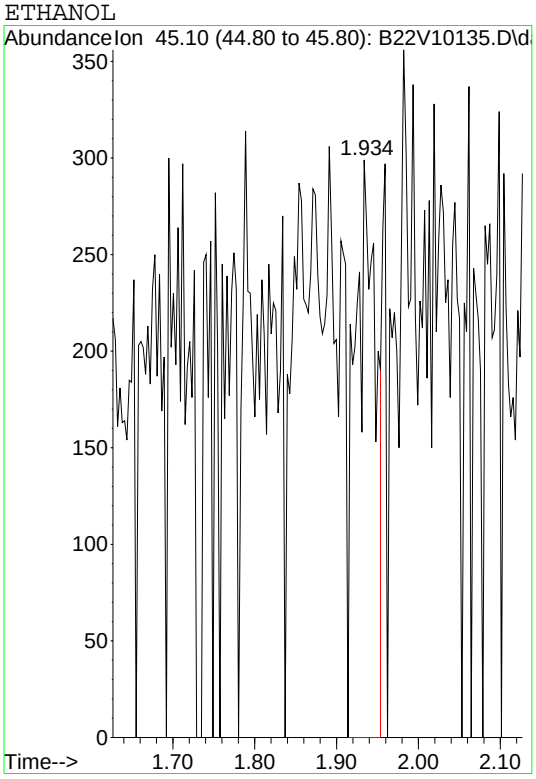
Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.3	9.5#
72	0.0	15.2	22.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10135.D
Acq On : 11 Apr 2022 9:42 pm
Operator :
Sample : 22D0541-18
Misc :

Quant Time : Tue Apr 12 11:18:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

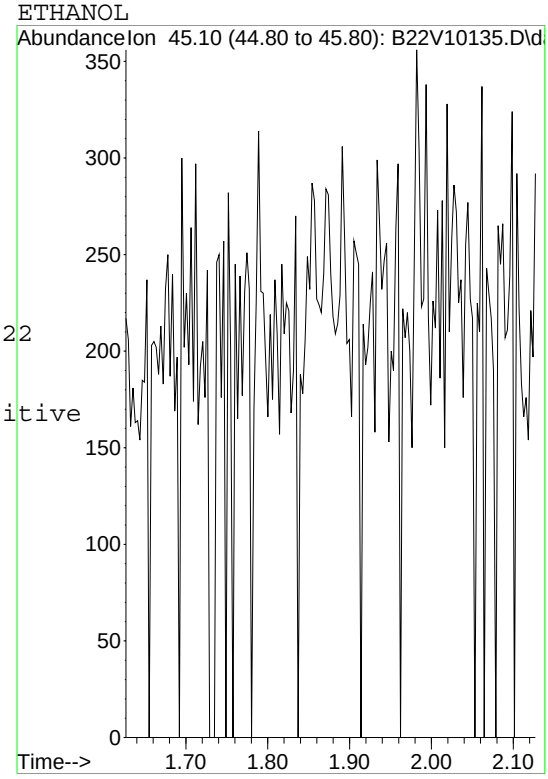
RT : 1.93
Area : 524
Amount: 19.7995

Manual Int. Results

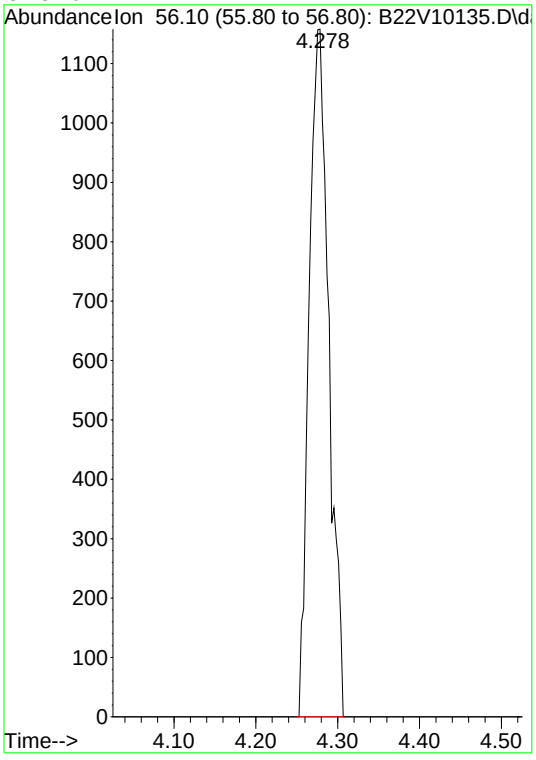
Tue Apr 12 11:18:08 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

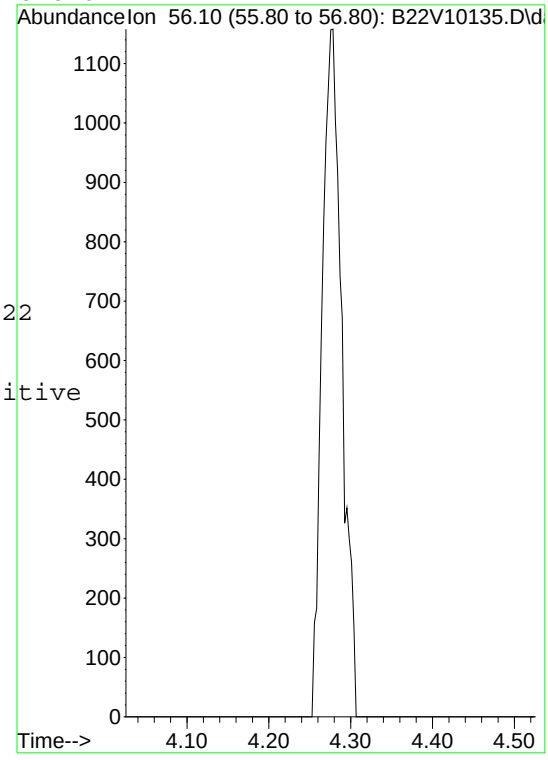
RT : 4.28
Area : 1931
Amount: 0.620486

Manual Int. Results

Tue Apr 12 11:18:21 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

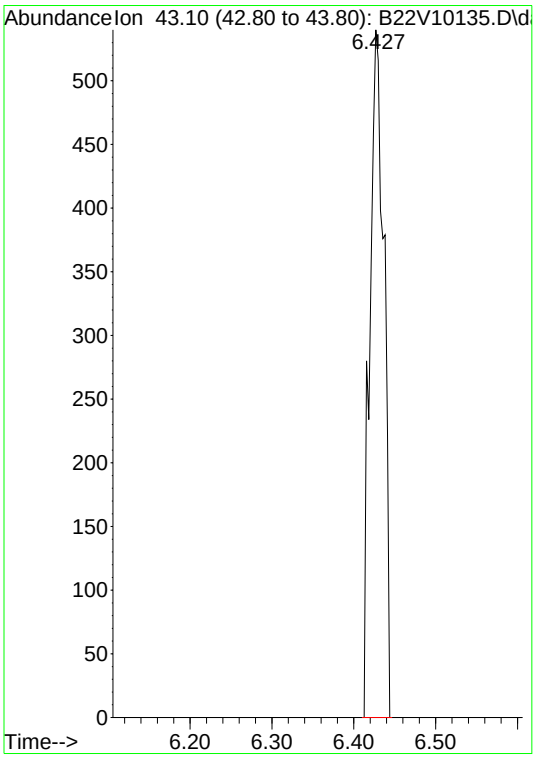
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10135.D
Acq On : 11 Apr 2022 9:42 pm
Operator :
Sample : 22D0541-18
Misc :

Quant Time : Tue Apr 12 11:18:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

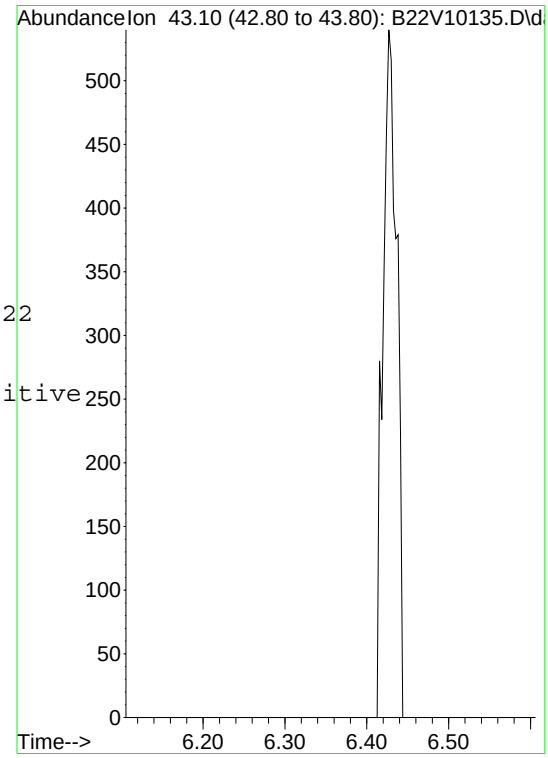
RT : 6.43
Area : 641
Amount: 0.345058

Manual Int. Results

Tue Apr 12 11:18:29 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19	File ID:	B22V10136.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 22:08
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	4.3	2.0	50	J
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19	File ID:	B22V10136.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 22:08
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19	File ID:	B22V10136.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 22:08
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10136.D
Acq On : 11 Apr 2022 10:08 pm
Operator :
Sample : 22D0541-19 Inst : GCMSVOA2
Misc :
ALS Vial : 36 Sample Multiplier: 1

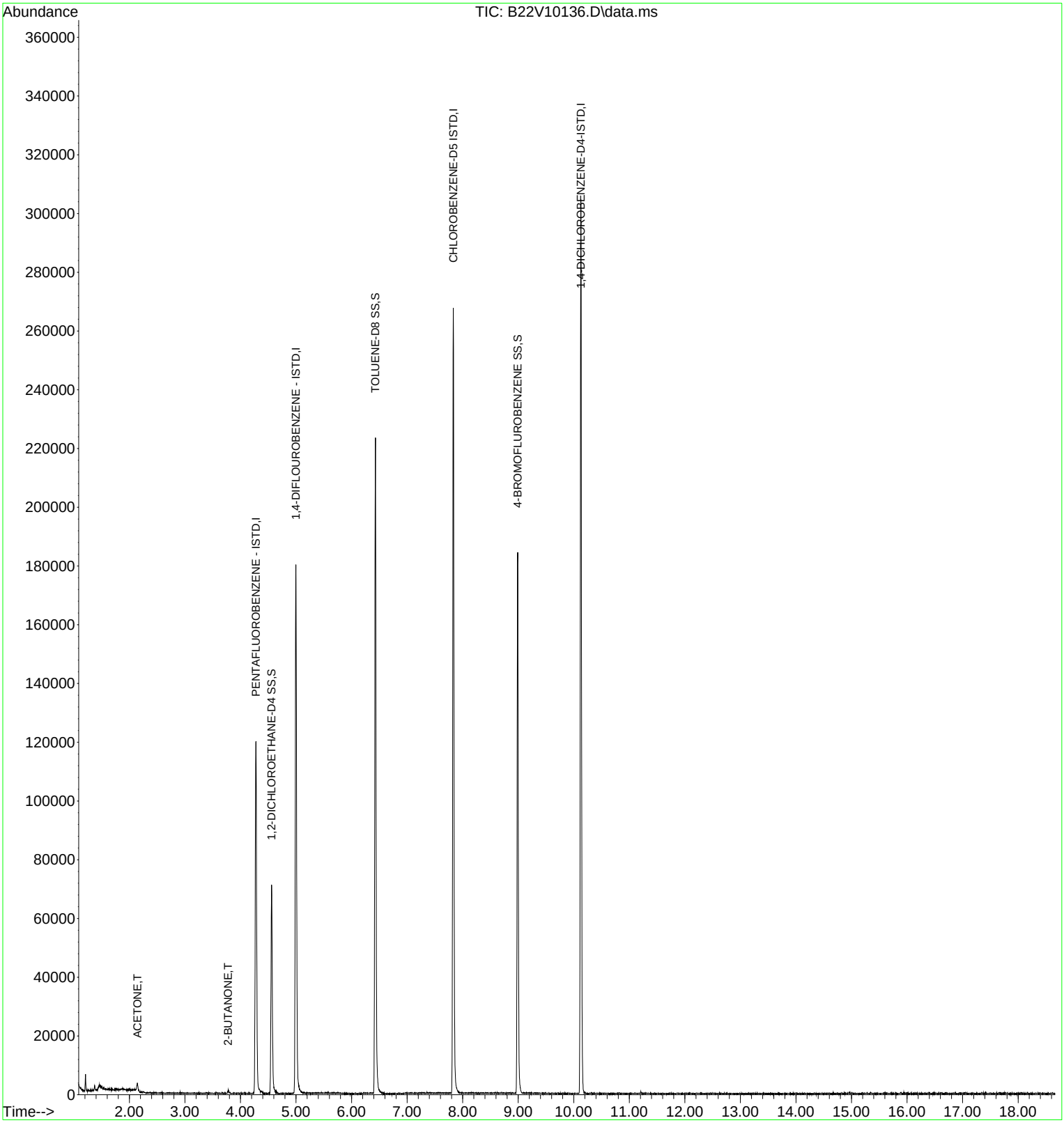
Quant Time: Apr 12 11:19:32 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

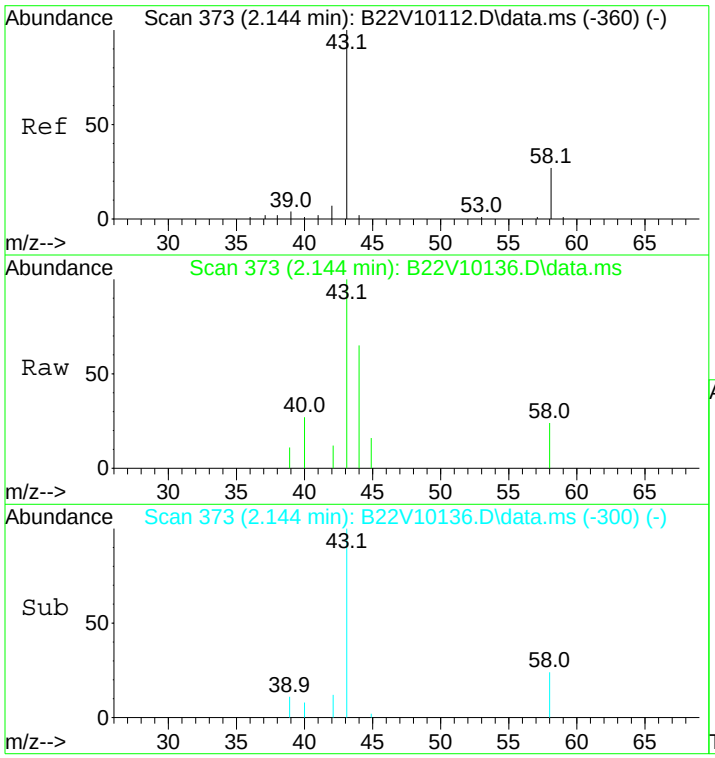
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	78618	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	122612	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66621	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	72236	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45154	22.29	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.16%			
45) TOLUENE-D8 SS	6.430	98	119588	23.33	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.32%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	49955	24.16	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.64%			
Target Compounds						Qvalue
14) ACETONE	2.144	43	2382	4.27	UG/L	92
28) 2-BUTANONE	3.778	43	1396	1.61	UG/L #	64

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10136.D
Acq On : 11 Apr 2022 10:08 pm
Operator :
Sample : 22D0541-19 Inst : GCMSVOA2
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Apr 12 11:19:32 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

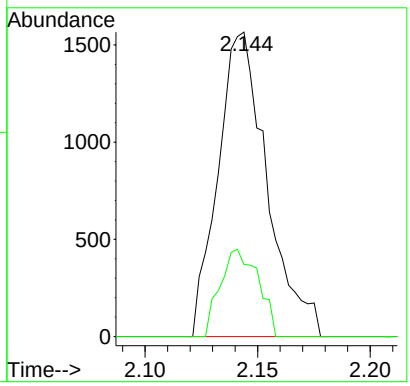


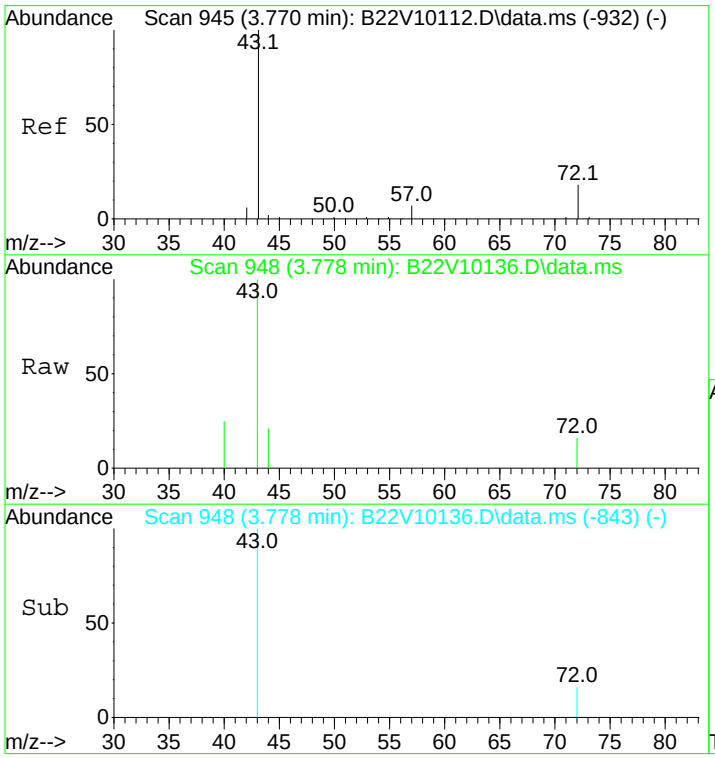


#14
ACETONE
Concen: 4.27 UG/L
RT: 2.144 min Scan# 373
Delta R.T. -0.005 min
Lab File: B22V10136.D
Acq: 11 Apr 2022 10:08 pm

Tgt Ion: 43 Resp: 2382

Ion	Ratio	Lower	Upper
43	100		
58	22.2	21.2	31.8

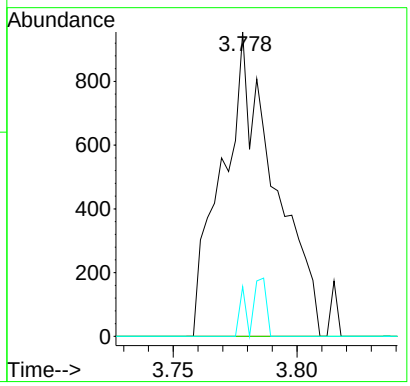




#28
2-BUTANONE
Concen: 1.61 UG/L
RT: 3.778 min Scan# 948
Delta R.T. -0.003 min
Lab File: B22V10136.D
Acq: 11 Apr 2022 10:08 pm

Tgt Ion: 43 Resp: 1396

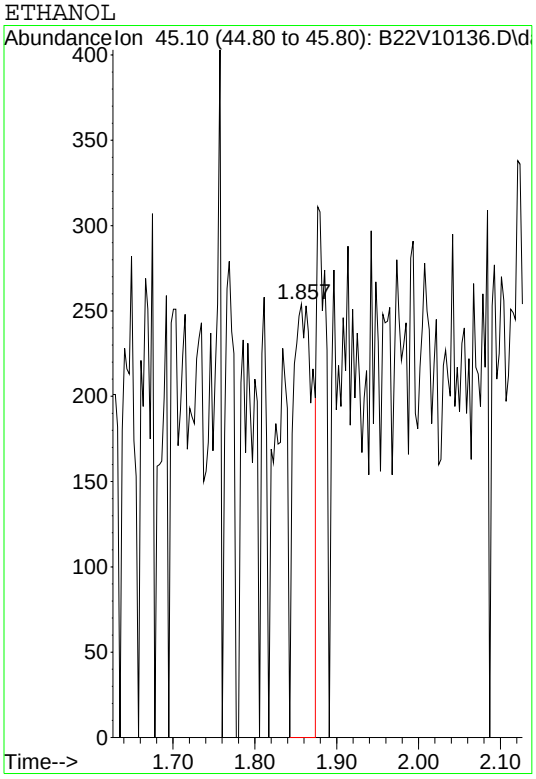
Ion	Ratio	Lower	Upper
43	100		
57	0.0	6.3	9.5#
72	0.0	15.2	22.8#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10136.D
Acq On : 11 Apr 2022 10:08 pm
Operator :
Sample : 22D0541-19
Misc :

Quant Time : Tue Apr 12 11:19:32 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

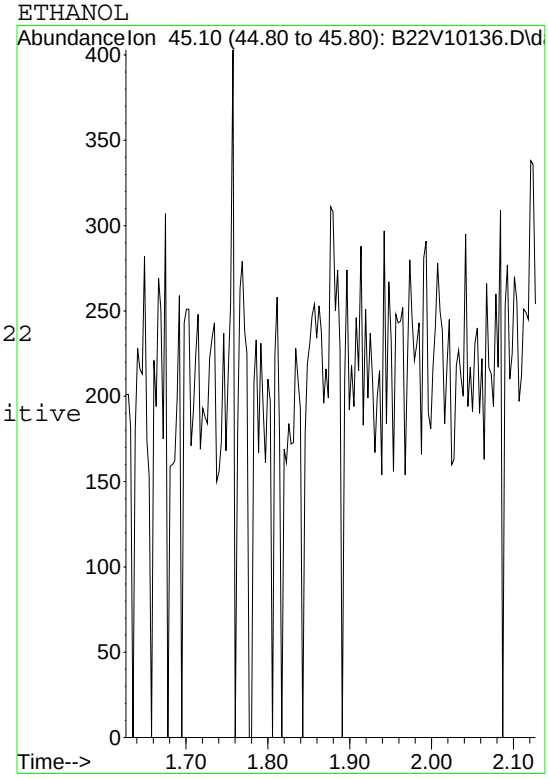
RT : 1.86
Area : 420
Amount: 16.4849

Manual Int. Results

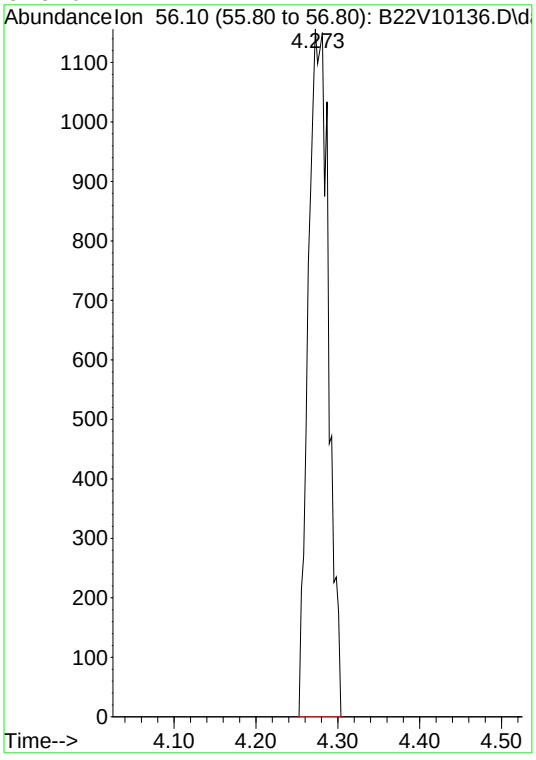
Tue Apr 12 11:19:10 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
CYCLOHEXANE



Original Int. Results

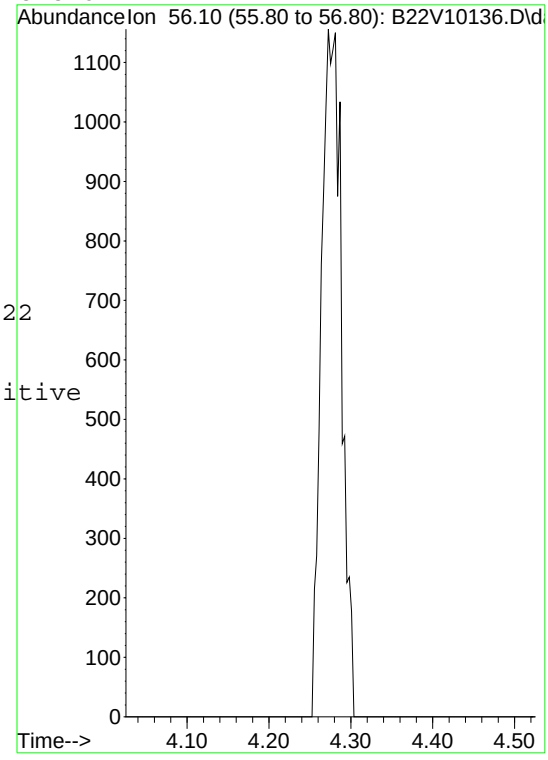
RT : 4.27
Area : 1985
Amount: 0.662558

Manual Int. Results

Tue Apr 12 11:19:23 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

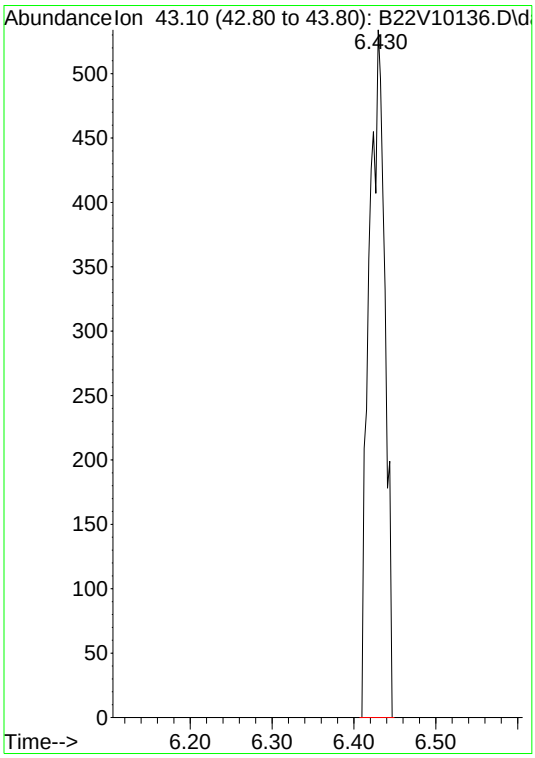
Manual Integration
CYCLOHEXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10136.D
Acq On : 11 Apr 2022 10:08 pm
Operator :
Sample : 22D0541-19
Misc :

Quant Time : Tue Apr 12 11:19:32 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
MIBK



Original Int. Results

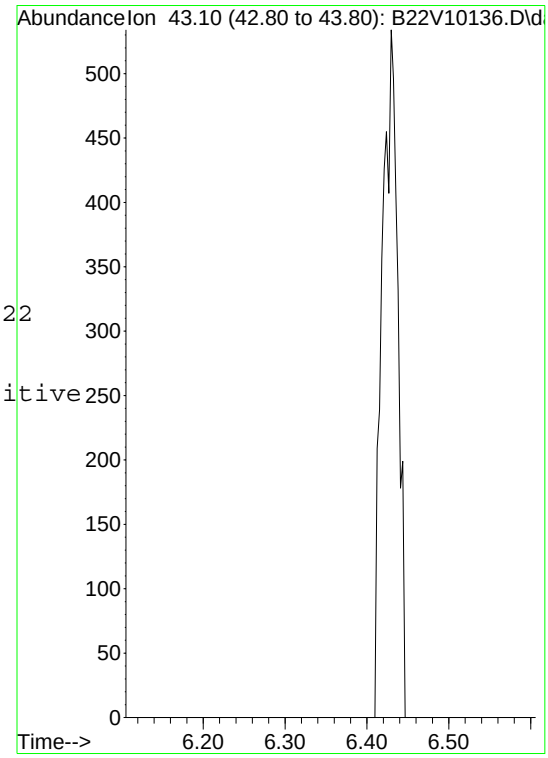
RT : 6.43
Area : 723
Amount: 0.397694

Manual Int. Results

Tue Apr 12 11:19:31 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-20	File ID:	B22V10117.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 13:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	5.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-34, V-05
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-20	File ID:	B22V10117.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 13:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-20	File ID:	B22V10117.D
Sampled:	04/06/22 15:30	Prepared:	04/11/22 10:07	Analyzed:	04/11/22 13:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B305454	Sequence:	S070273	Calibration:	2000186	Instrument:	GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1

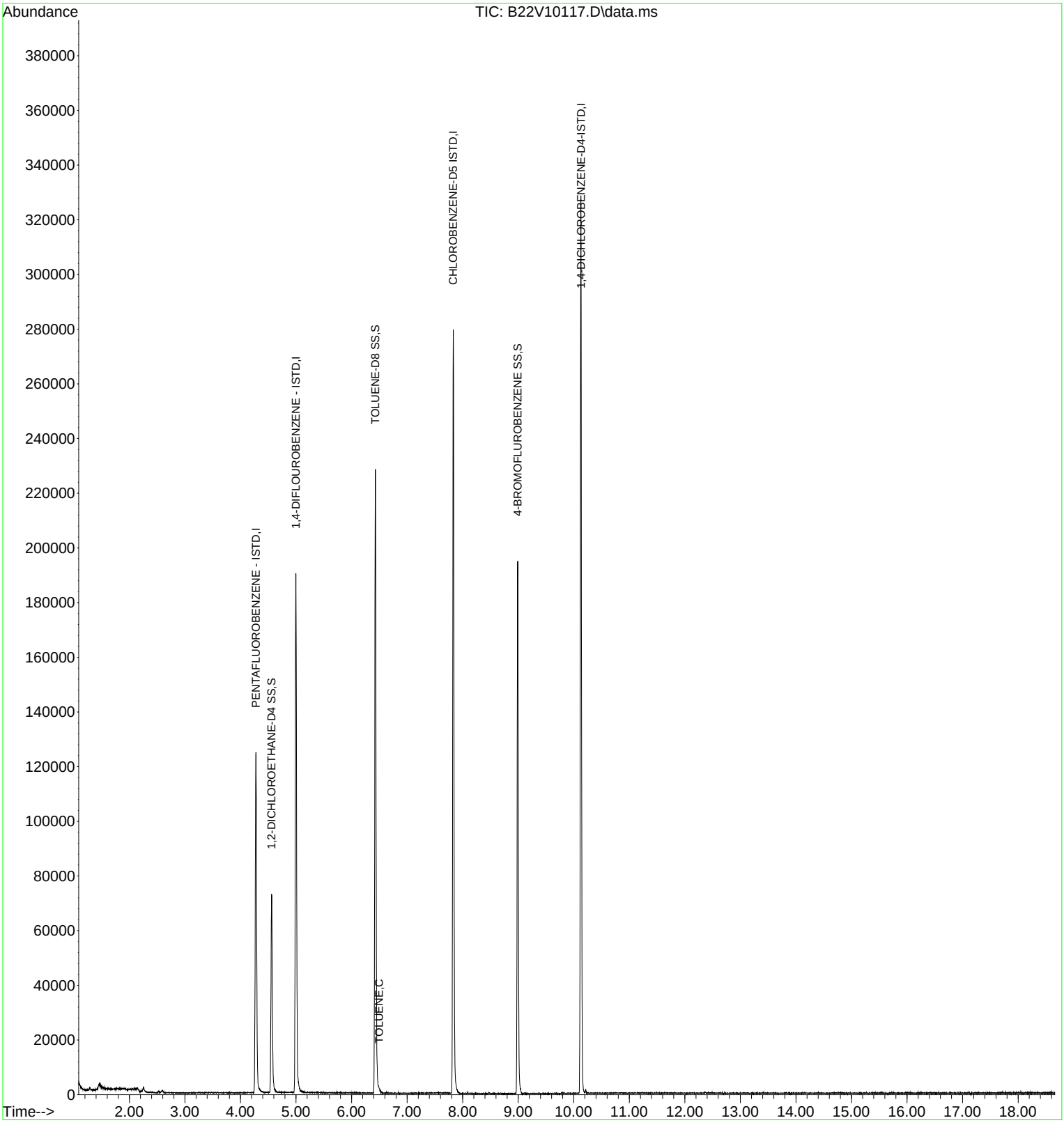
Quant Time: Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

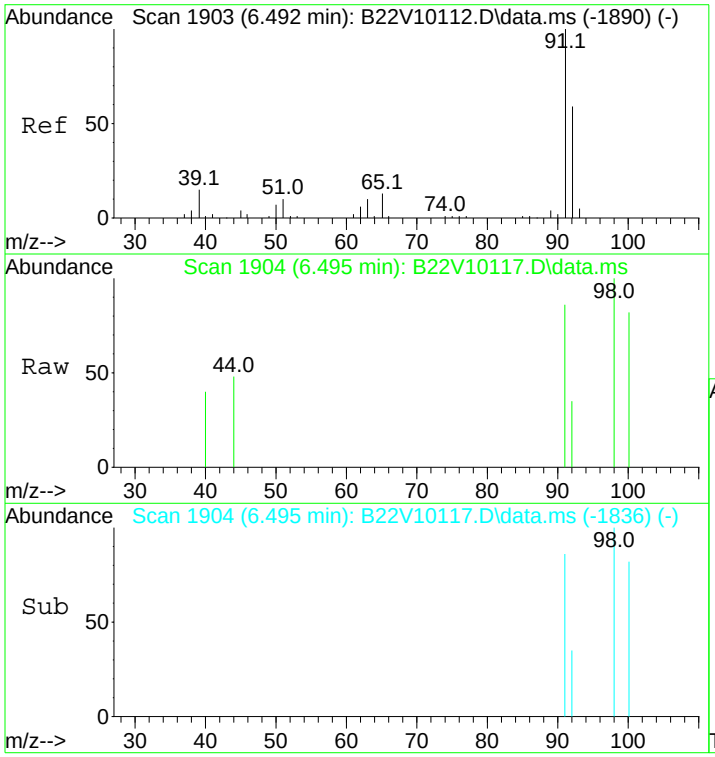
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	79649	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	126892	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	69603	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.130	152	76050	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.559	65	46808	22.81	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.24%			
45) TOLUENE-D8 SS	6.427	98	125153	23.59	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.36%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	51767	23.96	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 95.84%			
Target Compounds						Qvalue
56) TOLUENE	6.495	91	516	0.10	UG/L	# 21

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB Inst : GCMSVOA2
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

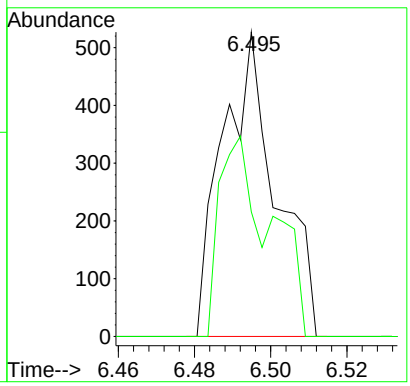




#56
TOLUENE
Concen: 0.10 UG/L
RT: 6.495 min Scan# 1904
Delta R.T. -0.006 min
Lab File: B22V10117.D
Acq: 11 Apr 2022 1:48 pm

Tgt Ion: 91 Resp: 516

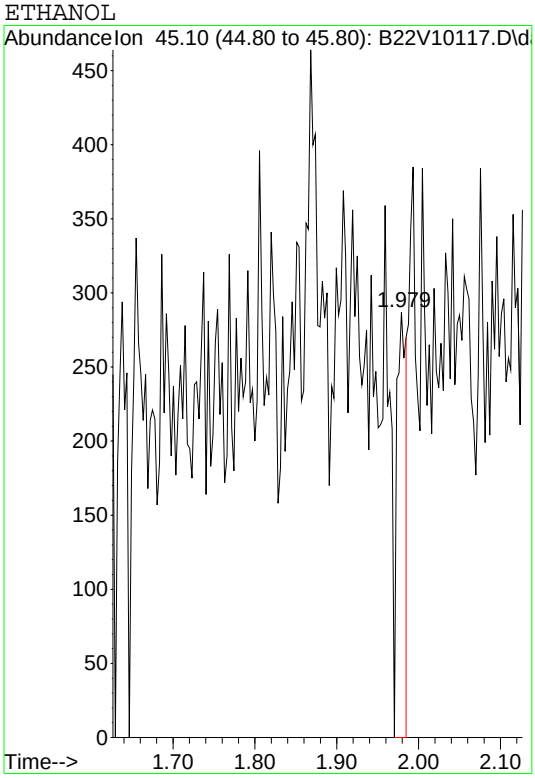
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.5	71.3#



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB
Misc :

Quant Time : Mon Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

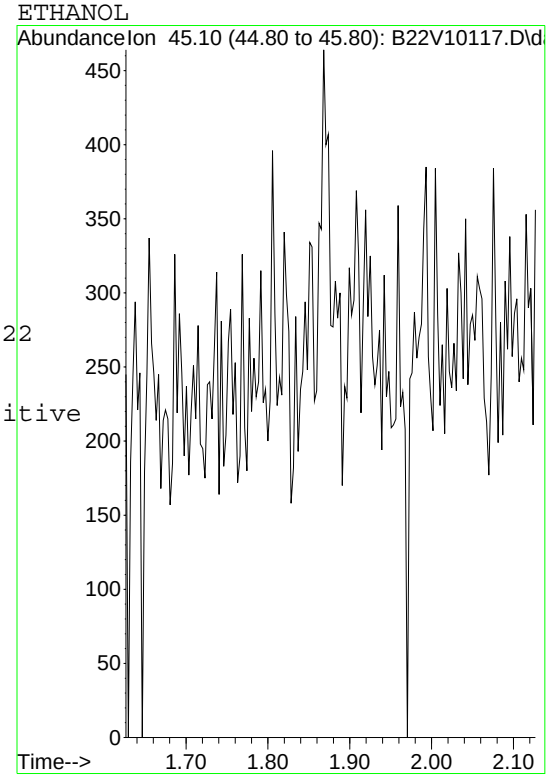
RT : 1.98
Area : 222
Amount: 8.60065

Manual Int. Results

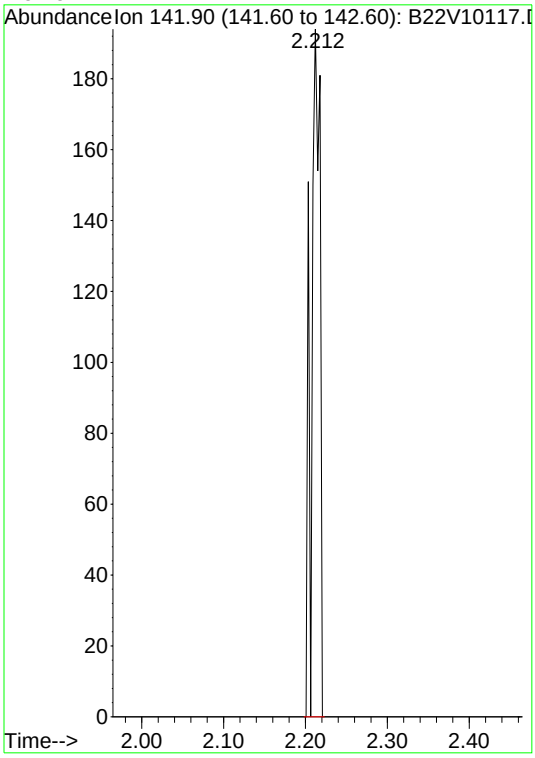
Mon Apr 11 15:13:33 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
IODOMETHANE



Original Int. Results

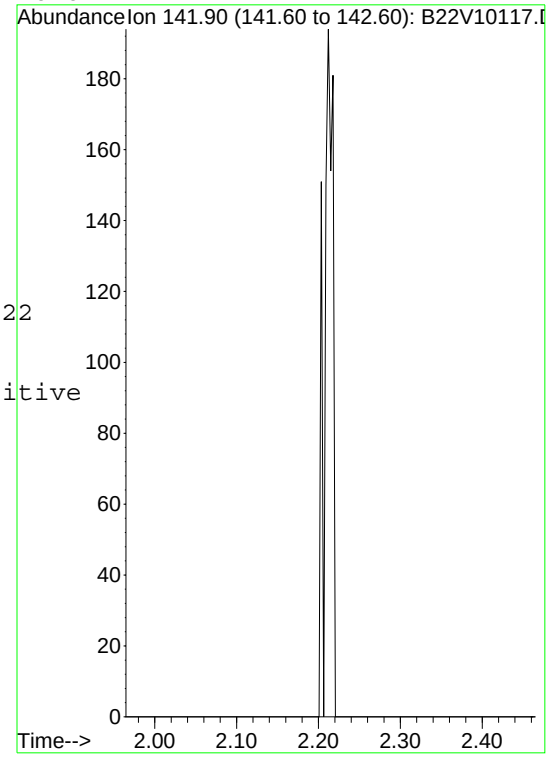
RT : 2.21
Area : 142
Amount: 6.28224

Manual Int. Results

Mon Apr 11 15:13:39 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

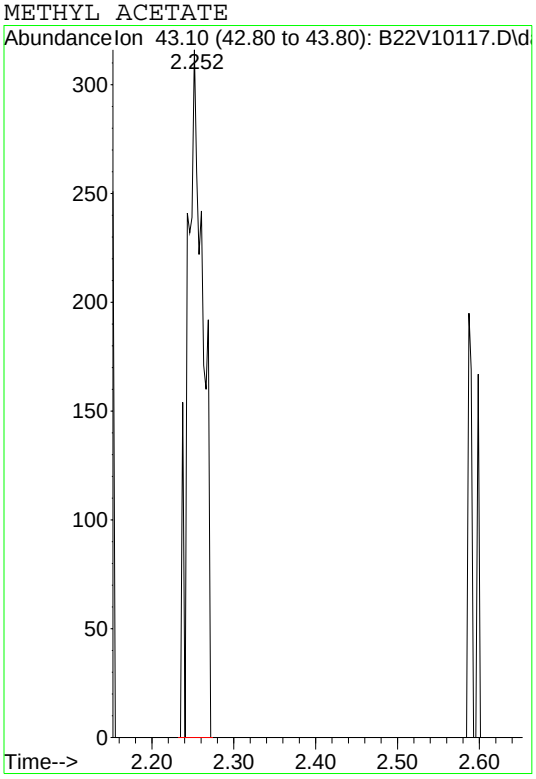
Manual Integration
IODOMETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB
Misc :

Quant Time : Mon Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
METHYL ACETATE



Original Int. Results

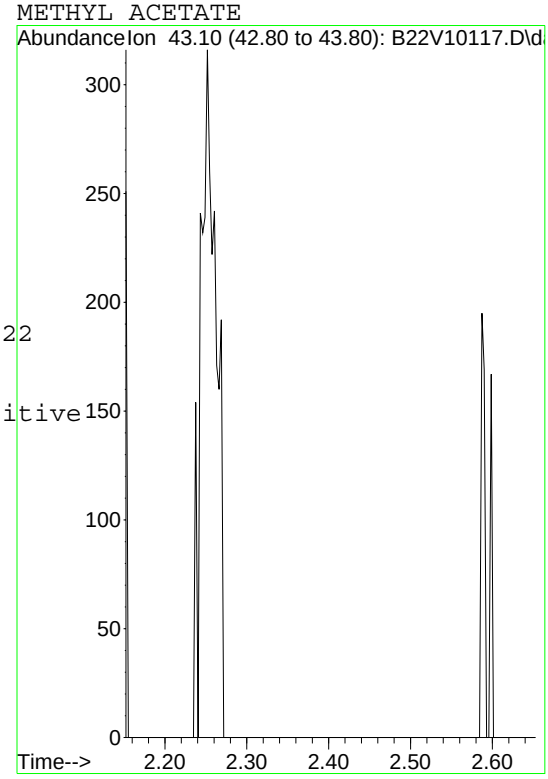
RT : 2.25
Area : 414
Amount: 0.231515

Manual Int. Results

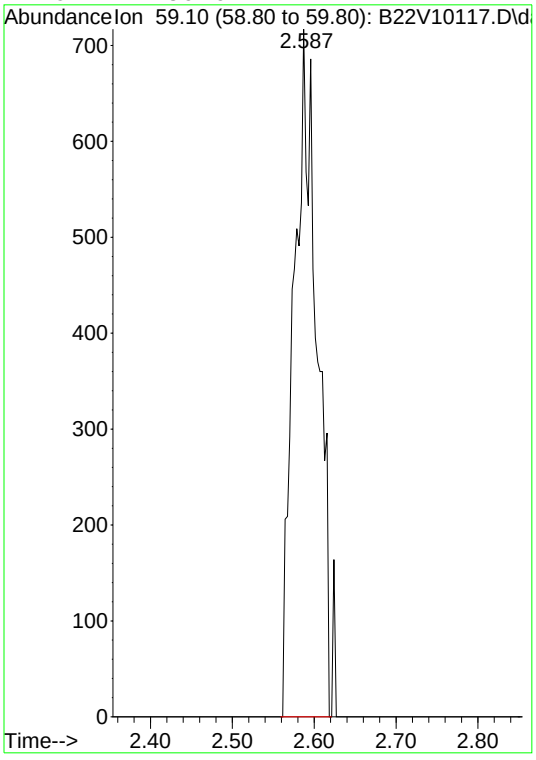
Mon Apr 11 15:13:43 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYL ACETATE



Original Integration
T-BUTYL ALCOHOL



Original Int. Results

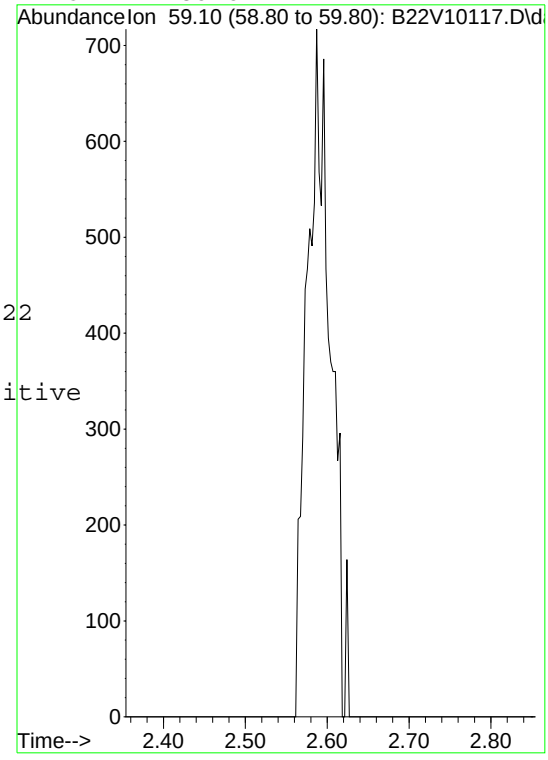
RT : 2.59
Area : 1394
Amount: 7.02779

Manual Int. Results

Mon Apr 11 15:13:47 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

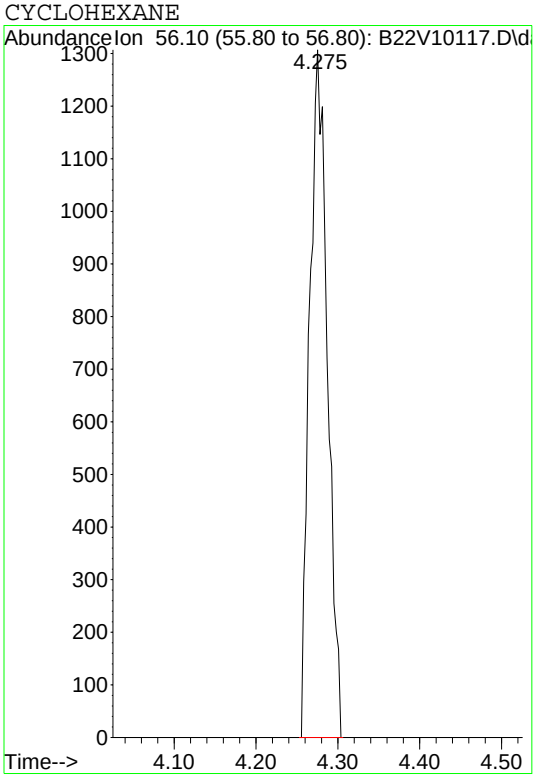
Manual Integration
T-BUTYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB
Misc :

Quant Time : Mon Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

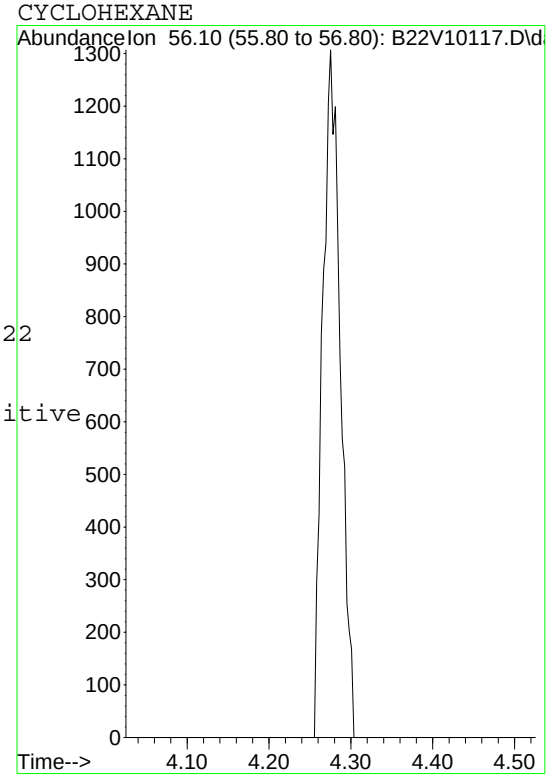
RT : 4.28
Area : 1974
Amount: 0.650358

Manual Int. Results

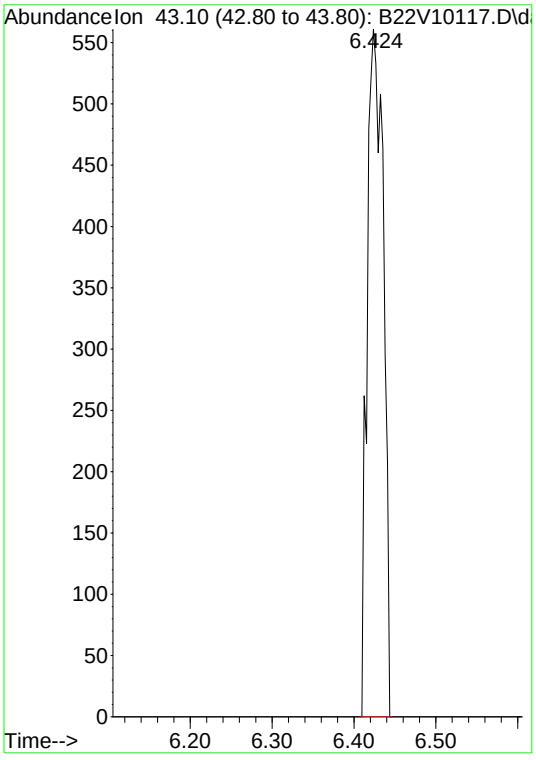
Mon Apr 11 15:14:05 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

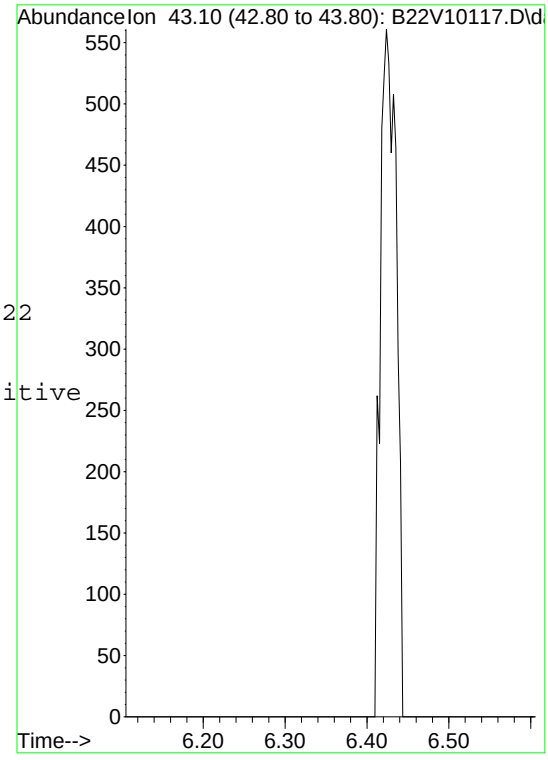
RT : 6.42
Area : 770
Amount: 0.409261

Manual Int. Results

Mon Apr 11 15:14:17 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

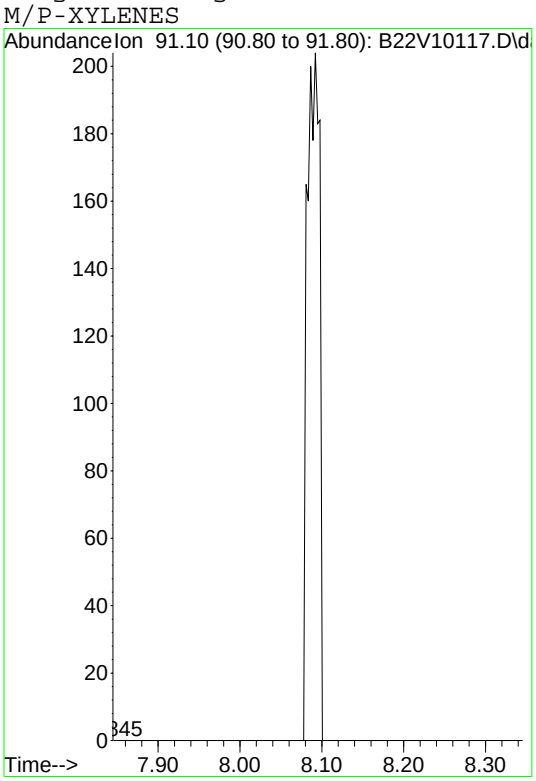
Manual Integration
MIBK



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB
Misc :

Quant Time : Mon Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
M/P-XYLENES



Original Int. Results

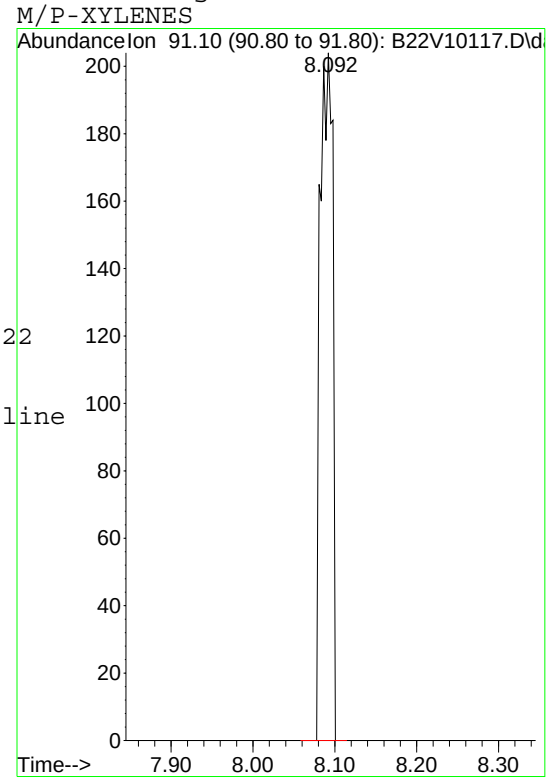
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

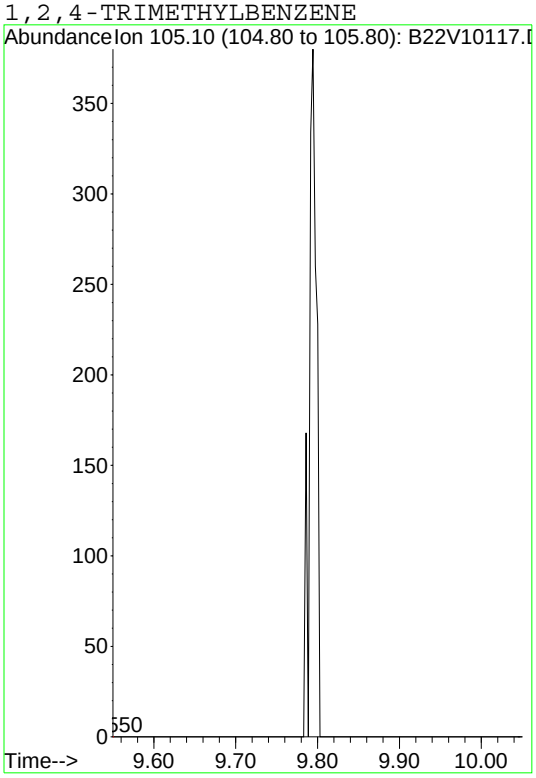
Mon Apr 11 15:14:31 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 8.09
Area : 217
Amount: 0.0447263

Manual Integration
M/P-XYLENES



Original Integration
1,2,4-TRIMETHYLBENZENE



Original Int. Results

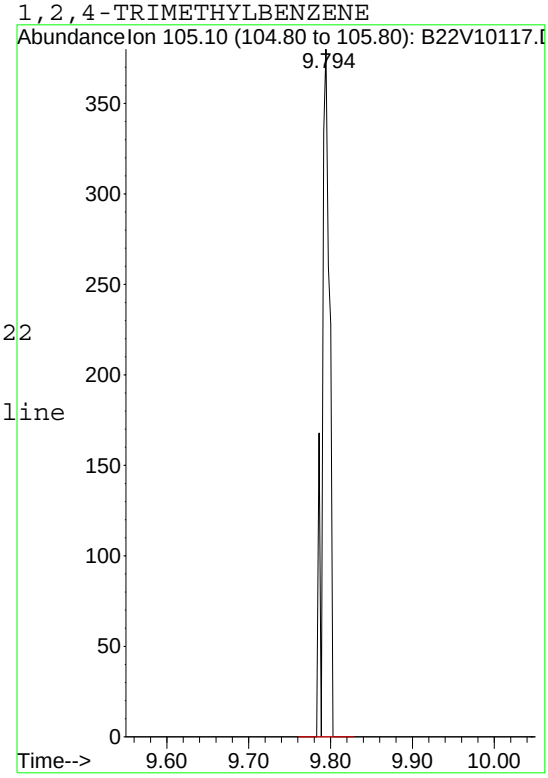
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Mon Apr 11 15:14:41 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 9.79
Area : 234
Amount: 0.0413297

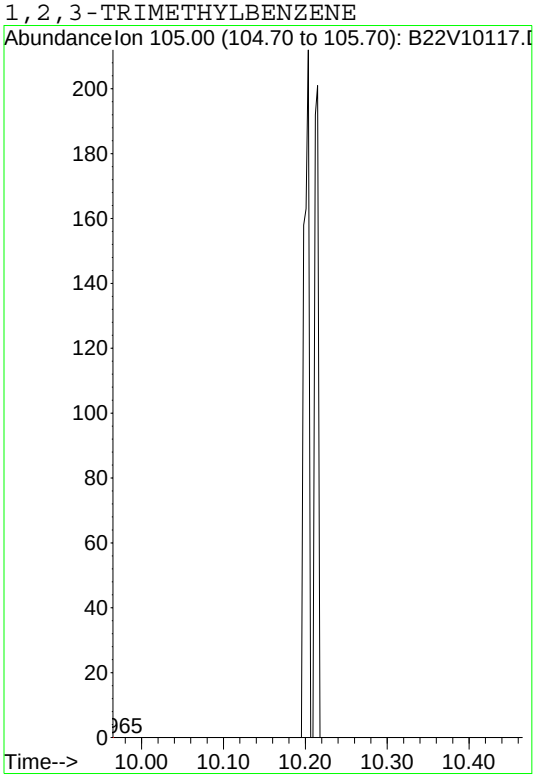
Manual Integration
1,2,4-TRIMETHYLBENZENE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10117.D
Acq On : 11 Apr 2022 1:48 pm
Operator :
Sample : 22D0541-20 @ TB
Misc :

Quant Time : Mon Apr 11 15:14:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
1,2,3-TRIMETHYLBENZENE



Original Int. Results

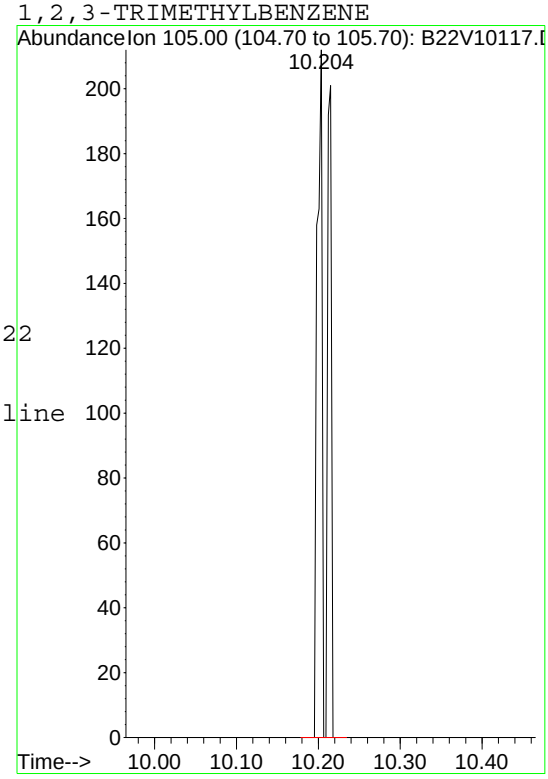
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

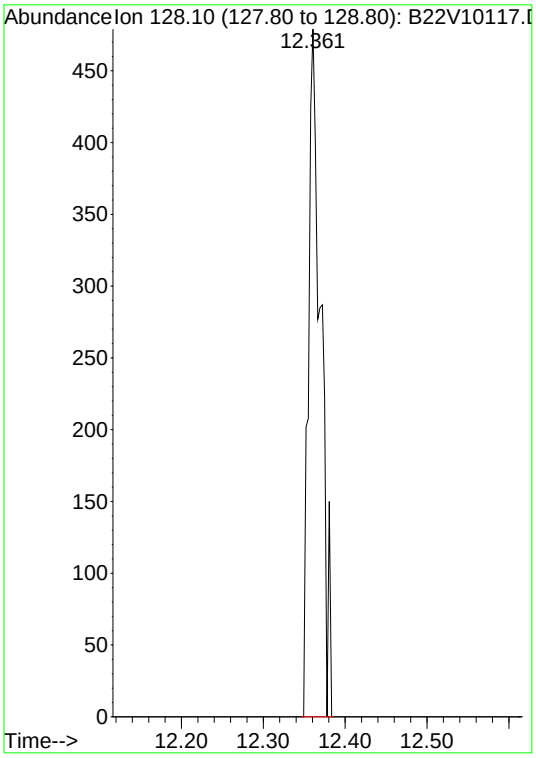
Mon Apr 11 15:14:48 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 10.20
Area : 158
Amount: 0.028545

Manual Integration
1,2,3-TRIMETHYLBENZENE



Original Integration
NAPHTHALENE



Original Int. Results

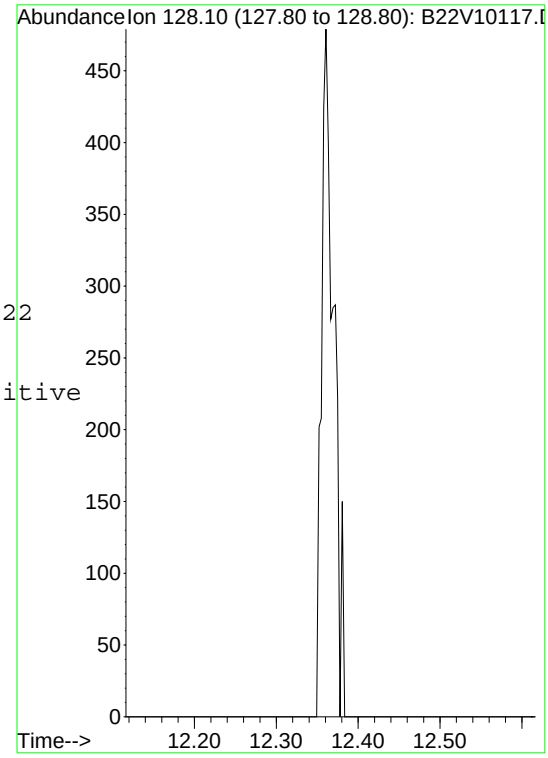
RT : 12.36
Area : 500
Amount: 0.096139

Manual Int. Results

Mon Apr 11 15:14:56 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NAPHTHALENE



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Instrument:	GCMSVOA2

	1,2-DCA-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
22D0541-01	90.7	98.4	94.4
22D0541-02	90.0	97.8	93.8
22D0541-03	90.7	97.1	94.1
22D0541-04	91.1	97.7	95.2
22D0541-05	90.8	96.6	95.0
22D0541-06	91.5	96.0	94.6
22D0541-07	91.1	96.7	94.0
22D0541-08	91.2	97.0	95.0
22D0541-09	91.7	100	95.2
22D0541-10	92.2	97.4	95.3
22D0541-11	90.5	97.4	93.8
22D0541-12	90.8	97.0	92.5
22D0541-13	91.6	96.4	94.0
22D0541-14	91.0	96.4	94.5
22D0541-15	92.1	96.6	93.0
22D0541-16	89.8	97.0	93.2
22D0541-17	92.0	95.5	93.3
22D0541-18	86.7	95.8	94.3
22D0541-19	89.2	96.6	93.3
22D0541-20	91.2	95.8	94.4
B305454-BLK1	92.3	99.0	94.0
B305454-BS1	89.4	98.2	92.6
B305454-BSD1	91.4	97.8	96.0
B305454-MS1	87.9	98.8	93.8
B305454-MSD1	86.0	98.0	93.9

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B305454	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B305454-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acetone	100	ND	95.6	95.6		70 - 130
Acrylonitrile	10.0	ND	9.59	95.9		70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	ND	9.41	94.1		70 - 130
Benzene	10.0	ND	9.90	99.0		70 - 130
Bromobenzene	10.0	ND	10.4	104		70 - 130
Bromochloromethane	10.0	ND	11.8	118		70 - 130
Bromodichloromethane	10.0	ND	10.4	104		70 - 130
Bromoform	10.0	ND	11.3	113		70 - 130
Bromomethane	10.0	ND	16.8	168	*	70 - 130
2-Butanone (MEK)	100	ND	89.6	89.6		70 - 130
tert-Butyl Alcohol (TBA)	100	ND	101	101		70 - 130
n-Butylbenzene	10.0	ND	8.79	87.9		70 - 130
sec-Butylbenzene	10.0	ND	9.39	93.9		70 - 130
tert-Butylbenzene	10.0	ND	10.2	102		70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	ND	9.24	92.4		70 - 130
Carbon Disulfide	100	ND	97.3	97.3		70 - 130
Carbon Tetrachloride	10.0	ND	11.5	115		70 - 130
Chlorobenzene	10.0	ND	11.1	111		70 - 130
Chlorodibromomethane	10.0	ND	10.7	107		70 - 130
Chloroethane	10.0	ND	11.1	111		70 - 130
Chloroform	10.0	ND	10.2	102		70 - 130
Chloromethane	10.0	ND	4.84	48.4	*	70 - 130
2-Chlorotoluene	10.0	ND	10.8	108		70 - 130
4-Chlorotoluene	10.0	ND	10.8	108		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	ND	8.91	89.1		70 - 130
1,2-Dibromoethane (EDB)	10.0	ND	10.2	102		70 - 130
Dibromomethane	10.0	ND	10.4	104		70 - 130
1,2-Dichlorobenzene	10.0	ND	9.94	99.4		70 - 130
1,3-Dichlorobenzene	10.0	ND	10.1	101		70 - 130
1,4-Dichlorobenzene	10.0	ND	9.98	99.8		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B305454	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B305454-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
trans-1,4-Dichloro-2-butene	10.0	ND	8.74	87.4	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	ND	9.66	96.6	70 - 130
1,1-Dichloroethane	10.0	ND	10.2	102	70 - 130
1,2-Dichloroethane	10.0	ND	11.1	111	70 - 130
1,1-Dichloroethylene	10.0	ND	11.8	118	70 - 130
cis-1,2-Dichloroethylene	10.0	ND	10.0	100	70 - 130
trans-1,2-Dichloroethylene	10.0	ND	10.8	108	70 - 130
1,2-Dichloropropane	10.0	ND	10.2	102	70 - 130
1,3-Dichloropropane	10.0	ND	9.77	97.7	70 - 130
2,2-Dichloropropane	10.0	ND	7.65	76.5	70 - 130
1,1-Dichloropropene	10.0	ND	10.1	101	70 - 130
cis-1,3-Dichloropropene	10.0	ND	8.74	87.4	70 - 130
trans-1,3-Dichloropropene	10.0	ND	8.61	86.1	70 - 130
Diethyl Ether	10.0	ND	9.66	96.6	70 - 130
Diisopropyl Ether (DIPE)	10.0	ND	9.26	92.6	70 - 130
1,4-Dioxane	100	ND	100	100	70 - 130
Ethylbenzene	10.0	ND	11.0	110	70 - 130
Hexachlorobutadiene	10.0	ND	8.60	86.0	70 - 130
2-Hexanone (MBK)	100	ND	96.0	96.0	70 - 130
Isopropylbenzene (Cumene)	10.0	ND	11.0	110	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	ND	9.69	96.9	70 - 130
Methyl Acetate	10.0	ND	7.05	70.5	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	ND	9.35	93.5	70 - 130
Methyl Cyclohexane	10.0	ND	9.99	99.9	70 - 130
Methylene Chloride	10.0	ND	9.90	99.0	70 - 130
4-Methyl-2-pentanone (MIBK)	100	ND	99.8	99.8	70 - 130
Naphthalene	10.0	ND	7.40	74.0	70 - 130
n-Propylbenzene	10.0	ND	10.7	107	70 - 130
Styrene	10.0	ND	10.8	108	70 - 130
1,1,1,2-Tetrachloroethane	10.0	ND	11.7	117	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B305454	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B305454-MS1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
1,1,2,2-Tetrachloroethane	10.0	ND	10.2	102	70 - 130
Tetrachloroethylene	10.0	ND	12.2	122	70 - 130
Tetrahydrofuran	10.0	ND	9.40	94.0	70 - 130
Toluene	10.0	ND	10.6	106	70 - 130
1,2,3-Trichlorobenzene	10.0	ND	8.12	81.2	70 - 130
1,2,4-Trichlorobenzene	10.0	ND	8.88	88.8	70 - 130
1,3,5-Trichlorobenzene	10.0	ND	8.97	89.7	70 - 130
1,1,1-Trichloroethane	10.0	ND	11.2	112	70 - 130
1,1,2-Trichloroethane	10.0	ND	9.98	99.8	70 - 130
Trichloroethylene	10.0	ND	11.2	112	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	ND	10.6	106	70 - 130
1,2,3-Trichloropropane	10.0	ND	10.7	107	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	ND	11.1	111	70 - 130
1,2,4-Trimethylbenzene	10.0	ND	9.77	97.7	70 - 130
1,3,5-Trimethylbenzene	10.0	ND	10.9	109	70 - 130
Vinyl Chloride	10.0	ND	10.5	105	70 - 130
m+p Xylene	20.0	ND	22.5	113	70 - 130
o-Xylene	10.0	ND	10.8	108	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B305454	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B305454-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	92.4	92.4		3.38	30	70 - 130
Acrylonitrile	10.0	9.33	93.3		2.75	30	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	9.41	94.1		0.00	30	70 - 130
Benzene	10.0	9.69	96.9		2.14	30	70 - 130
Bromobenzene	10.0	10.2	102		2.24	30	70 - 130
Bromochloromethane	10.0	11.5	115		2.66	30	70 - 130
Bromodichloromethane	10.0	10.2	102		1.55	30	70 - 130
Bromoform	10.0	10.7	107		5.74	30	70 - 130
Bromomethane	10.0	17.0	170	*	0.887	30	70 - 130
2-Butanone (MEK)	100	87.9	87.9		1.89	30	70 - 130
tert-Butyl Alcohol (TBA)	100	98.5	98.5		2.75	30	70 - 130
n-Butylbenzene	10.0	8.68	86.8		1.26	30	70 - 130
sec-Butylbenzene	10.0	9.25	92.5		1.50	30	70 - 130
tert-Butylbenzene	10.0	9.76	97.6		4.02	30	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	9.37	93.7		1.40	30	70 - 130
Carbon Disulfide	100	95.3	95.3		2.04	30	70 - 130
Carbon Tetrachloride	10.0	11.3	113		1.66	30	70 - 130
Chlorobenzene	10.0	10.8	108		2.55	30	70 - 130
Chlorodibromomethane	10.0	10.5	105		1.89	30	70 - 130
Chloroethane	10.0	10.7	107		3.58	30	70 - 130
Chloroform	10.0	9.84	98.4		3.30	30	70 - 130
Chloromethane	10.0	4.66	46.6	*	3.79	30	70 - 130
2-Chlorotoluene	10.0	10.4	104		3.77	30	70 - 130
4-Chlorotoluene	10.0	10.3	103		5.30	30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	7.98	79.8		11.0	30	70 - 130
1,2-Dibromoethane (EDB)	10.0	9.71	97.1		5.41	30	70 - 130
Dibromomethane	10.0	10.4	104		0.386	30	70 - 130
1,2-Dichlorobenzene	10.0	9.71	97.1		2.34	30	70 - 130
1,3-Dichlorobenzene	10.0	9.86	98.6		2.01	30	70 - 130
1,4-Dichlorobenzene	10.0	9.72	97.2		2.64	30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B305454	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B305454-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
trans-1,4-Dichloro-2-butene	10.0	8.48	84.8		3.02	30	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.54	95.4		1.25	30	70 - 130
1,1-Dichloroethane	10.0	10.0	100		1.87	30	70 - 130
1,2-Dichloroethane	10.0	10.8	108		3.11	30	70 - 130
1,1-Dichloroethylene	10.0	11.8	118		0.0848	30	70 - 130
cis-1,2-Dichloroethylene	10.0	10.0	100		0.199	30	70 - 130
trans-1,2-Dichloroethylene	10.0	10.8	108		0.371	30	70 - 130
1,2-Dichloropropane	10.0	10.1	101		0.887	30	70 - 130
1,3-Dichloropropane	10.0	9.83	98.3		0.612	30	70 - 130
2,2-Dichloropropane	10.0	7.48	74.8		2.25	30	70 - 130
1,1-Dichloropropene	10.0	10.2	102		0.197	30	70 - 130
cis-1,3-Dichloropropene	10.0	8.68	86.8		0.689	30	70 - 130
trans-1,3-Dichloropropene	10.0	8.39	83.9		2.59	30	70 - 130
Diethyl Ether	10.0	9.44	94.4		2.30	30	70 - 130
Diisopropyl Ether (DIPE)	10.0	9.03	90.3		2.52	30	70 - 130
1,4-Dioxane	100	96.7	96.7		3.54	30	70 - 130
Ethylbenzene	10.0	10.7	107		2.68	30	70 - 130
Hexachlorobutadiene	10.0	8.70	87.0		1.16	30	70 - 130
2-Hexanone (MBK)	100	92.5	92.5		3.70	30	70 - 130
Isopropylbenzene (Cumene)	10.0	10.7	107		3.31	30	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	9.45	94.5		2.51	30	70 - 130
Methyl Acetate	10.0	6.76	67.6	*	4.20	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	9.29	92.9		0.644	30	70 - 130
Methyl Cyclohexane	10.0	9.56	95.6		4.40	30	70 - 130
Methylene Chloride	10.0	9.56	95.6		3.49	30	70 - 130
4-Methyl-2-pentanone (MIBK)	100	96.1	96.1		3.73	30	70 - 130
Naphthalene	10.0	7.51	75.1		1.48	30	70 - 130
n-Propylbenzene	10.0	10.2	102		4.59	30	70 - 130
Styrene	10.0	10.4	104		4.34	30	70 - 130
1,1,1,2-Tetrachloroethane	10.0	11.5	115		2.41	30	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8260D
Batch:	B305454	Preparation:	SW-846 5030B
% Solids:		Laboratory ID:	B305454-MSD1
Initial/Final:	5 mL / 5 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroethane	10.0	9.74	97.4	4.42	30	70 - 130
Tetrachloroethylene	10.0	11.4	114	6.19	30	70 - 130
Tetrahydrofuran	10.0	9.03	90.3	4.02	30	70 - 130
Toluene	10.0	10.4	104	2.00	30	70 - 130
1,2,3-Trichlorobenzene	10.0	8.00	80.0	1.49	30	70 - 130
1,2,4-Trichlorobenzene	10.0	8.63	86.3	2.86	30	70 - 130
1,3,5-Trichlorobenzene	10.0	8.87	88.7	1.12	30	70 - 130
1,1,1-Trichloroethane	10.0	10.5	105	6.39	30	70 - 130
1,1,2-Trichloroethane	10.0	9.92	99.2	0.603	30	70 - 130
Trichloroethylene	10.0	11.1	111	1.52	30	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.1	101	5.41	30	70 - 130
1,2,3-Trichloropropane	10.0	10.4	104	2.85	30	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10.7	107	3.86	30	70 - 130
1,2,4-Trimethylbenzene	10.0	9.60	96.0	1.76	30	70 - 130
1,3,5-Trimethylbenzene	10.0	10.7	107	2.04	30	70 - 130
Vinyl Chloride	10.0	10.1	101	3.78	30	70 - 130
m+p Xylene	20.0	21.6	108	4.45	20	70 - 130
o-Xylene	10.0	10.4	104	3.58	30	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B305454	Laboratory ID:	B305454-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acetone	100	103	103		70 - 160
Acrylonitrile	10.0	11.0	110		70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	10.5	105		70 - 130
Benzene	10.0	10.1	101		70 - 130
Bromobenzene	10.0	10.8	108		70 - 130
Bromochloromethane	10.0	12.9	129		70 - 130
Bromodichloromethane	10.0	10.4	104		70 - 130
Bromoform	10.0	12.2	122		70 - 130
Bromomethane	10.0	18.5	185	*	40 - 160
2-Butanone (MEK)	100	100	100		40 - 160
tert-Butyl Alcohol (TBA)	100	110	110		40 - 160
n-Butylbenzene	10.0	9.94	99.4		70 - 130
sec-Butylbenzene	10.0	9.60	96.0		70 - 130
tert-Butylbenzene	10.0	10.1	101		70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	10.0	100		70 - 130
Carbon Disulfide	100	102	102		70 - 130
Carbon Tetrachloride	10.0	11.5	115		70 - 130
Chlorobenzene	10.0	11.4	114		70 - 130
Chlorodibromomethane	10.0	11.2	112		70 - 130
Chloroethane	10.0	11.2	112		70 - 130
Chloroform	10.0	10.6	106		70 - 130
Chloromethane	10.0	4.70	47.0		40 - 160
2-Chlorotoluene	10.0	10.9	109		70 - 130
4-Chlorotoluene	10.0	11.0	110		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.79	97.9		70 - 130
1,2-Dibromoethane (EDB)	10.0	10.7	107		70 - 130
Dibromomethane	10.0	11.4	114		70 - 130
1,2-Dichlorobenzene	10.0	11.1	111		70 - 130
1,3-Dichlorobenzene	10.0	10.4	104		70 - 130
1,4-Dichlorobenzene	10.0	10.5	105		70 - 130
trans-1,4-Dichloro-2-butene	10.0	10.5	105		70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.91	99.1		40 - 160
1,1-Dichloroethane	10.0	10.6	106		70 - 130
1,2-Dichloroethane	10.0	11.2	112		70 - 130
1,1-Dichloroethylene	10.0	11.8	118		70 - 130
cis-1,2-Dichloroethylene	10.0	11.0	110		70 - 130
trans-1,2-Dichloroethylene	10.0	11.6	116		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B305454	Laboratory ID:	B305454-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
1,2-Dichloropropane	10.0	10.6	106	70 - 130
1,3-Dichloropropane	10.0	10.3	103	70 - 130
2,2-Dichloropropane	10.0	10.3	103	40 - 130
1,1-Dichloropropene	10.0	10.6	106	70 - 130
cis-1,3-Dichloropropene	10.0	9.73	97.3	70 - 130
trans-1,3-Dichloropropene	10.0	9.60	96.0	70 - 130
Diethyl Ether	10.0	10.6	106	70 - 130
Diisopropyl Ether (DIPE)	10.0	10.2	102	70 - 130
1,4-Dioxane	100	104	104	40 - 130
Ethylbenzene	10.0	11.1	111	70 - 130
Hexachlorobutadiene	10.0	9.96	99.6	70 - 130
2-Hexanone (MBK)	100	104	104	70 - 160
Isopropylbenzene (Cumene)	10.0	11.2	112	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	10.0	100	70 - 130
Methyl Acetate	10.0	9.65	96.5	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.5	105	70 - 130
Methyl Cyclohexane	10.0	10.0	100	70 - 130
Methylene Chloride	10.0	10.4	104	70 - 130
4-Methyl-2-pentanone (MIBK)	100	107	107	70 - 160
Naphthalene	10.0	8.74	87.4	40 - 130
n-Propylbenzene	10.0	11.0	110	70 - 130
Styrene	10.0	11.3	113	70 - 130
1,1,1,2-Tetrachloroethane	10.0	11.9	119	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.6	106	70 - 130
Tetrachloroethylene	10.0	12.0	120	70 - 130
Tetrahydrofuran	10.0	10.5	105	70 - 130
Toluene	10.0	10.7	107	70 - 130
1,2,3-Trichlorobenzene	10.0	9.23	92.3	70 - 130
1,2,4-Trichlorobenzene	10.0	10.1	101	70 - 130
1,3,5-Trichlorobenzene	10.0	10.3	103	70 - 130
1,1,1-Trichloroethane	10.0	11.1	111	70 - 130
1,1,2-Trichloroethane	10.0	10.8	108	70 - 130
Trichloroethylene	10.0	11.0	110	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.6	106	70 - 130
1,2,3-Trichloropropane	10.0	11.6	116	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.3	113	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B305454	Laboratory ID:	B305454-BS1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
1,2,4-Trimethylbenzene	10.0	10.2	102	70 - 130
1,3,5-Trimethylbenzene	10.0	11.4	114	70 - 130
Vinyl Chloride	10.0	10.6	106	40 - 160
m+p Xylene	20.0	22.9	115	70 - 130
o-Xylene	10.0	11.0	110	70 - 130

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100	102	102		1.29	25	70 - 160
Acrylonitrile	10.0	10.4	104		5.62	25	70 - 130
tert-Amyl Methyl Ether (TAME)	10.0	10.4	104		0.670	25	70 - 130
Benzene	10.0	9.82	98.2		3.11	25	70 - 130
Bromobenzene	10.0	10.6	106		2.06	25	70 - 130
Bromochloromethane	10.0	12.4	124		3.86	25	70 - 130
Bromodichloromethane	10.0	10.7	107		2.55	25	70 - 130
Bromoform	10.0	11.9	119		2.08	25	70 - 130
Bromomethane	10.0	18.9	189	*	1.98	25	40 - 160
2-Butanone (MEK)	100	97.5	97.5		2.69	25	40 - 160
tert-Butyl Alcohol (TBA)	100	105	105		4.61	25	40 - 160
n-Butylbenzene	10.0	9.31	93.1		6.55	25	70 - 130
sec-Butylbenzene	10.0	9.25	92.5		3.71	25	70 - 130
tert-Butylbenzene	10.0	9.74	97.4		3.33	25	70 - 130
tert-Butyl Ethyl Ether (TBEE)	10.0	9.96	99.6		0.900	25	70 - 130
Carbon Disulfide	100	101	101		1.37	25	70 - 130
Carbon Tetrachloride	10.0	11.4	114		1.40	25	70 - 130
Chlorobenzene	10.0	11.2	112		2.48	25	70 - 130
Chlorodibromomethane	10.0	11.4	114		1.76	25	70 - 130
Chloroethane	10.0	10.9	109		3.17	25	70 - 130
Chloroform	10.0	10.6	106		0.188	25	70 - 130
Chloromethane	10.0	4.69	46.9		0.213	25	40 - 160
2-Chlorotoluene	10.0	10.7	107		1.30	25	70 - 130
4-Chlorotoluene	10.0	10.9	109		0.731	25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	10.0	9.02	90.2		8.19	25	70 - 130
1,2-Dibromoethane (EDB)	10.0	11.0	110		3.32	25	70 - 130
Dibromomethane	10.0	11.3	113		0.878	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B305454	Laboratory ID:	B305454-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	10.0	10.4	104	6.88	25	70 - 130
1,3-Dichlorobenzene	10.0	10.4	104	0.384	25	70 - 130
1,4-Dichlorobenzene	10.0	10.5	105	0.0950	25	70 - 130
trans-1,4-Dichloro-2-butene	10.0	10.6	106	0.569	25	70 - 130
Dichlorodifluoromethane (Freon 12)	10.0	9.94	99.4	0.302	25	40 - 160
1,1-Dichloroethane	10.0	10.4	104	1.81	25	70 - 130
1,2-Dichloroethane	10.0	11.4	114	1.51	25	70 - 130
1,1-Dichloroethylene	10.0	12.0	120	1.68	25	70 - 130
cis-1,2-Dichloroethylene	10.0	10.8	108	1.65	25	70 - 130
trans-1,2-Dichloroethylene	10.0	11.0	110	5.41	25	70 - 130
1,2-Dichloropropane	10.0	10.9	109	2.23	25	70 - 130
1,3-Dichloropropane	10.0	10.6	106	2.86	25	70 - 130
2,2-Dichloropropane	10.0	10.2	102	1.46	25	40 - 130
1,1-Dichloropropene	10.0	10.5	105	1.33	25	70 - 130
cis-1,3-Dichloropropene	10.0	9.99	99.9	2.64	25	70 - 130
trans-1,3-Dichloropropene	10.0	9.75	97.5	1.55	25	70 - 130
Diethyl Ether	10.0	10.1	101	4.93	25	70 - 130
Diisopropyl Ether (DIPE)	10.0	10.0	100	1.59	25	70 - 130
1,4-Dioxane	100	111	111	6.53	50	40 - 130
Ethylbenzene	10.0	10.9	109	2.18	25	70 - 130
Hexachlorobutadiene	10.0	10.0	100	0.601	25	70 - 130
2-Hexanone (MBK)	100	103	103	0.444	25	70 - 160
Isopropylbenzene (Cumene)	10.0	11.0	110	1.81	25	70 - 130
p-Isopropyltoluene (p-Cymene)	10.0	10.1	101	0.892	25	70 - 130
Methyl Acetate	10.0	9.55	95.5	1.04	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	10.0	10.3	103	2.50	25	70 - 130
Methyl Cyclohexane	10.0	10.1	101	1.19	25	70 - 130
Methylene Chloride	10.0	10.5	105	0.0957	25	70 - 130
4-Methyl-2-pentanone (MIBK)	100	108	108	0.566	25	70 - 160
Naphthalene	10.0	8.74	87.4	0.00	25	40 - 130
n-Propylbenzene	10.0	10.6	106	3.25	25	70 - 130
Styrene	10.0	11.1	111	1.79	25	70 - 130
1,1,1,2-Tetrachloroethane	10.0	12.2	122	2.07	25	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.6	106	0.661	25	70 - 130
Tetrachloroethylene	10.0	12.4	124	3.27	25	70 - 130
Tetrahydrofuran	10.0	10.2	102	2.62	25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 5030B
Batch:	B305454	Laboratory ID:	B305454-BSD1
Column:		Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	10.9	109	1.67	25	70 - 130
1,2,3-Trichlorobenzene	10.0	9.39	93.9	1.72	25	70 - 130
1,2,4-Trichlorobenzene	10.0	10.3	103	1.67	25	70 - 130
1,3,5-Trichlorobenzene	10.0	9.90	99.0	3.67	25	70 - 130
1,1,1-Trichloroethane	10.0	10.9	109	1.73	25	70 - 130
1,1,2-Trichloroethane	10.0	10.9	109	1.29	25	70 - 130
Trichloroethylene	10.0	11.2	112	1.97	25	70 - 130
Trichlorofluoromethane (Freon 11)	10.0	10.0	100	5.35	25	70 - 130
1,2,3-Trichloropropane	10.0	11.6	116	0.0863	25	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.5	115	1.49	25	70 - 130
1,2,4-Trimethylbenzene	10.0	9.86	98.6	3.78	25	70 - 130
1,3,5-Trimethylbenzene	10.0	11.0	110	3.50	25	70 - 130
Vinyl Chloride	10.0	10.5	105	0.379	25	40 - 160
m+p Xylene	20.0	22.5	112	1.98	25	70 - 130
o-Xylene	10.0	10.9	109	0.825	25	70 - 130

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Blank ID:	B305454-BLK1 Batch: B305454	Prepared:	04/11/2022 10:07

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B305454-BS1	B22V10113.D	12:03
LCS Dup	B305454-BSD1	B22V10114.D	12:29
Trip Blank	22D0541-20	B22V10117.D	13:48
907017-MW-116S	22D0541-01	B22V10118.D	14:15
907017-MW-109S	22D0541-02	B22V10119.D	14:41
907017-MW-113S	22D0541-03	B22V10120.D	15:07
907017-DUP-04062022	22D0541-04	B22V10121.D	15:34
907017-MW-101	22D0541-05	B22V10122.D	16:00
907017-MW-117S	22D0541-06	B22V10123.D	16:26
907017-MW-118S	22D0541-07	B22V10124.D	16:53
907017-MW-114S	22D0541-08	B22V10125.D	17:19
907017-MW-115S	22D0541-09	B22V10126.D	17:45
907017-MW-102I	22D0541-10	B22V10127.D	18:12
907017-MW-102S	22D0541-11	B22V10128.D	18:38
907017-MW-117D	22D0541-12	B22V10129.D	19:04
907017-MW-117I	22D0541-13	B22V10130.D	19:31
907017-MW-109I	22D0541-14	B22V10131.D	19:57
907017-MW-109D	22D0541-15	B22V10132.D	20:23
907017-RB-04052022	22D0541-16	B22V10133.D	20:49
907017-FB-04052022	22D0541-17	B22V10134.D	21:16
907017-RB-04062022	22D0541-18	B22V10135.D	21:42
907017-FB-04062022	22D0541-19	B22V10136.D	22:08
Matrix Spike	B305454-MS1	B22V10137.D	22:35
Matrix Spike Dup	B305454-MSD1	B22V10138.D	23:01

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	B22V10112.D	Injection Date:	04/11/22
Instrument ID:	GCMSVOA2	Injection Time:	11:37
Sequence:	S070273	Lab Sample ID:	S070273-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	27.9	PASS
75	30 - 60% of 95	52.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.09	PASS
173	Less than 2% of 174	0.516	PASS
174	50 - 200% of 95	91.3	PASS
175	5 - 9% of 174	7.75	PASS
176	95 - 101% of 174	98	PASS
177	5 - 9% of 176	6.9	PASS

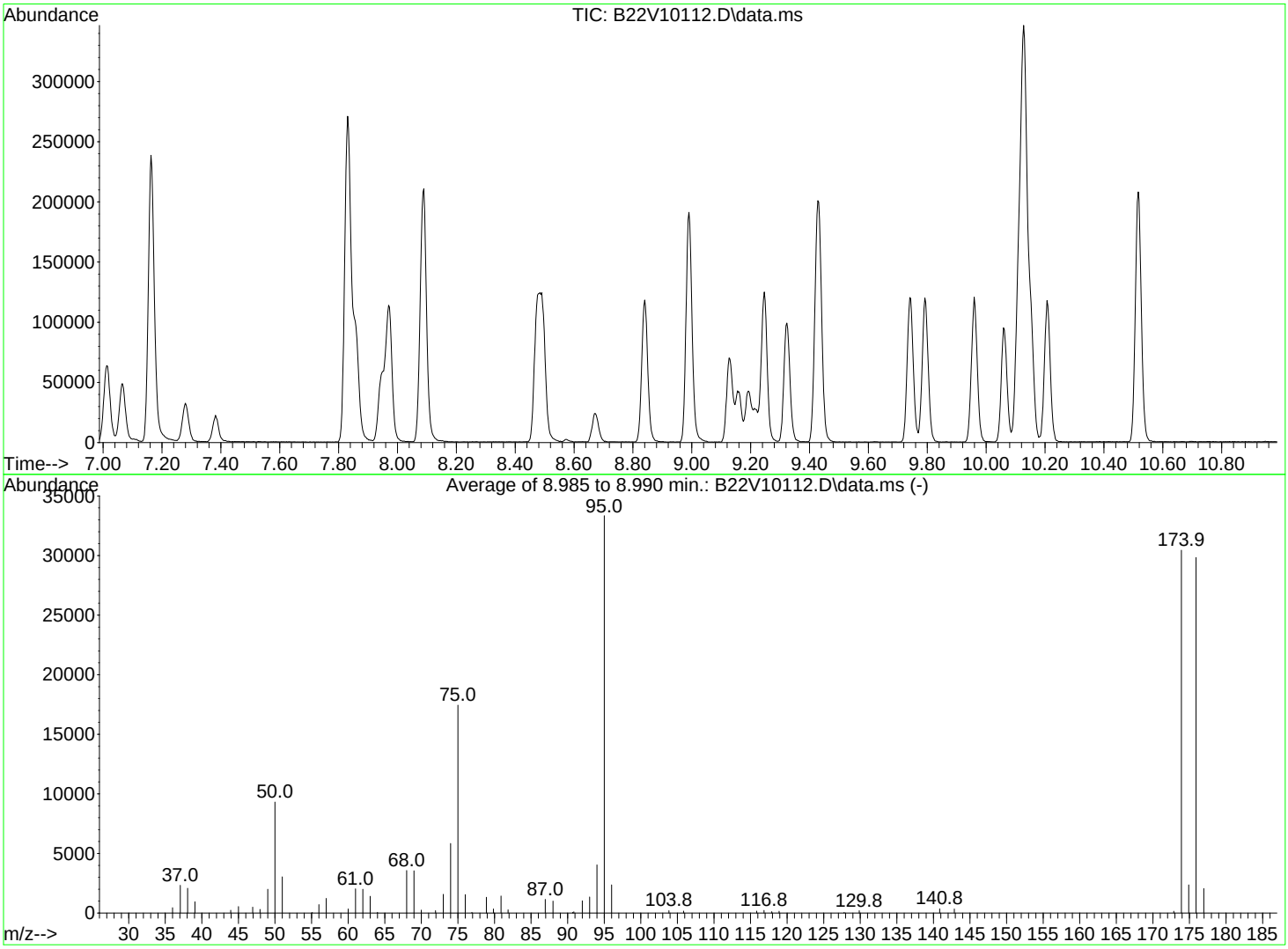
Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070273-CCV1	B22V10112.D	04/11/2022	11:37:00
LCS	B305454-BS1	B22V10113.D	04/11/2022	12:03:00
LCS Dup	B305454-BSD1	B22V10114.D	04/11/2022	12:29:00
Blank	B305454-BLK1	B22V10116.D	04/11/2022	13:22:00
Trip Blank	22D0541-20	B22V10117.D	04/11/2022	13:48:00
907017-MW-116S	22D0541-01	B22V10118.D	04/11/2022	14:15:00
907017-MW-109S	22D0541-02	B22V10119.D	04/11/2022	14:41:00
907017-MW-113S	22D0541-03	B22V10120.D	04/11/2022	15:07:00
907017-DUP-04062022	22D0541-04	B22V10121.D	04/11/2022	15:34:00
907017-MW-101	22D0541-05	B22V10122.D	04/11/2022	16:00:00
907017-MW-117S	22D0541-06	B22V10123.D	04/11/2022	16:26:00
907017-MW-118S	22D0541-07	B22V10124.D	04/11/2022	16:53:00
907017-MW-114S	22D0541-08	B22V10125.D	04/11/2022	17:19:00
907017-MW-115S	22D0541-09	B22V10126.D	04/11/2022	17:45:00
907017-MW-102I	22D0541-10	B22V10127.D	04/11/2022	18:12:00
907017-MW-102S	22D0541-11	B22V10128.D	04/11/2022	18:38:00
907017-MW-117D	22D0541-12	B22V10129.D	04/11/2022	19:04:00
907017-MW-117I	22D0541-13	B22V10130.D	04/11/2022	19:31:00
907017-MW-109I	22D0541-14	B22V10131.D	04/11/2022	19:57:00
907017-MW-109D	22D0541-15	B22V10132.D	04/11/2022	20:23:00
907017-RB-04052022	22D0541-16	B22V10133.D	04/11/2022	20:49:00
907017-FB-04052022	22D0541-17	B22V10134.D	04/11/2022	21:16:00
907017-RB-04062022	22D0541-18	B22V10135.D	04/11/2022	21:42:00
907017-FB-04062022	22D0541-19	B22V10136.D	04/11/2022	22:08:00
Matrix Spike	B305454-MS1	B22V10137.D	04/11/2022	22:35:00
Matrix Spike Dup	B305454-MSD1	B22V10138.D	04/11/2022	23:01:00

BFB

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10112.D
Acq On : 11 Apr 2022 11:37 am
Operator :
Sample : BFB / 8260 STD 10 PPB 2204075 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : Y:\1\METHODS\B060920W.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Wed Jun 10 07:48:28 2020



AutoFind: Scans 2780, 2781, 2782; Background Corrected with Scan 2769

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.9	9315	PASS
75	95	30	60	52.3	17453	PASS
95	95	100	100	100.0	33344	PASS
96	95	5	9	7.1	2363	PASS
173	174	0.00	2	0.5	157	PASS
174	95	50	100	91.3	30445	PASS
175	174	5	9	7.8	2360	PASS
176	174	95	101	98.0	29835	PASS
177	176	5	9	6.9	2060	PASS

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2000186 Instrument: GCMSVOA2

Calibration Date: 6/9/2020 8:37:12AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acetone					10	0.2616031	20	0.2413227	50	0.2086419	100	0.2132427
Acrolein			5	0.1800324	10	0.1588201	20	0.1506995	50	0.1447456	100	0.1415628
Acrylonitrile			0.5	0.1998918	1	0.2209868	2	0.2400465	5	0.234136	10	0.2440827
tert-Amyl Methyl Ether (TAME)	0.4	1.300573	0.5	1.201298	1	1.265915	2	1.315733	5	1.233868	10	1.27274
Benzene	0.4	2.070545	0.5	1.974256	1	1.812091	2	1.939434	5	1.803523	10	1.807414
Bromobenzene	0.4	1.022381	0.5	0.9856455	1	0.9381729	2	1.034421	5	0.9845508	10	1.002046
Bromochloromethane			0.5	0.1564089	1	0.2035659	2	0.2206619	5	0.2156499	10	0.222008
Bromodichloromethane	0.4	0.3504064	0.5	0.3751035	1	0.3641504	2	0.4007084	5	0.3947697	10	0.398543
Bromoform					1	0.2842513	2	0.3419305	5	0.3467891	10	0.373727
Bromomethane									5	0.1318504	10	0.138557
2-Butanone (MEK)	4	0.3892145	5	0.3740833	10	0.3554177	20	0.3486005	50	0.3160159	100	0.3186747
tert-Butyl Alcohol (TBA)					10	6.613472E-02	20	8.107628E-02	50	7.645006E-02	100	7.126297E-02
n-Butylbenzene	0.4	2.348304	0.5	2.332289	1	2.349075	2	2.484848	5	2.410449	10	2.422667
sec-Butylbenzene	0.4	2.915527	0.5	2.878547	1	2.879636	2	3.063407	5	3.014017	10	2.98357
tert-Butylbenzene	0.4	1.80377	0.5	1.92768	1	1.987136	2	2.076726	5	2.008495	10	1.969435
tert-Butyl Ethyl Ether (TBEE)	0.4	1.789685	0.5	1.734127	1	1.737246	2	1.815534	5	1.732284	10	1.755023
Carbon Disulfide	4	1.408529	5	1.363029	10	1.317049	20	1.397213	50	1.378246	100	1.364892
Carbon Tetrachloride	0.4	0.7005543	0.5	0.6730124	1	0.6787681	2	0.6871857	5	0.6998315	10	0.6990875
Chlorobenzene	0.4	1.534009	0.5	1.553596	1	1.497344	2	1.602148	5	1.549907	10	1.571503
Chlorodibromomethane	0.4	0.2258818	0.5	0.2611131	1	0.2736515	2	0.2986196	5	0.2936566	10	0.3026509
Chloroethane	0.4	0.4954945	0.5	0.3770687	1	0.4216492	2	0.4075622	5	0.3923307	10	0.366221
2-Chloroethyl Vinyl Ether	4	6.733015E-02	5	7.296967E-02	10	7.520029E-02	20	9.090668E-02	50	9.242644E-02	100	9.477054E-02
Chloroform	0.4	0.858538	0.5	0.8852353	1	0.8371688	2	0.8871706	5	0.8466898	10	0.8489566
Chloromethane	0.4	2.253263	0.5	2.009302	1	1.882097	2	2.108565	5	2.069672	10	1.893645
2-Chlorotoluene	0.4	2.115724	0.5	2.042464	1	1.84548	2	2.081606	5	1.891642	10	1.935407
4-Chlorotoluene	0.4	2.272541	0.5	2.288337	1	2.194334	2	2.30884	5	2.278229	10	2.292342
Cyclohexane									5	1.374156	10	1.245656
1,2-Dibromo-3-chloropropane (D							2	0.1254255	5	0.1248761	10	0.1344489
1,2-Dibromoethane (EDB)	0.4	0.2413267	0.5	0.2484913	1	0.2562177	2	0.2972293	5	0.2817516	10	0.2762417
Dibromomethane	0.4	0.1230766	0.5	0.1297677	1	0.1755131	2	0.1978218	5	0.1851624	10	0.1869121
1,2-Dichlorobenzene	0.4	1.245273	0.5	1.253097	1	1.154253	2	1.240912	5	1.239204	10	1.221052

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2000186 Instrument: GCMSVOA2

Calibration Date: 6/9/2020 8:37:12AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
1,3-Dichlorobenzene	0.4	1.272325	0.5	1.252396	1	1.28266	2	1.319547	5	1.282883	10	1.290269
1,4-Dichlorobenzene	0.4	1.322939	0.5	1.358983	1	1.387432	2	1.359399	5	1.309217	10	1.315788
trans-1,4-Dichloro-2-butene					1	0.1930899	2	0.2403581	5	0.2358679	10	0.2601897
Dichlorodifluoromethane (Freon			0.5	0.6347215	1	0.6316672	2	0.6687703	5	0.6803792	10	0.6456298
1,1-Dichloroethane	0.4	0.9742332	0.5	1.002704	1	0.9010453	2	0.9503322	5	0.9454971	10	0.9625947
1,2-Dichloroethane	0.4	0.4324575	0.5	0.4745001	1	0.4736502	2	0.5147142	5	0.4961606	10	0.4987902
1,1-Dichloroethylene	0.4	0.8050789	0.5	0.8047593	1	0.8449114	2	0.8214243	5	0.8485577	10	0.8330873
cis-1,2-Dichloroethylene	0.4	0.9032203	0.5	0.8813413	1	0.8833018	2	0.9692323	5	0.9398933	10	0.9278181
trans-1,2-Dichloroethylene	0.4	0.7659819	0.5	0.7521904	1	0.7184489	2	0.8001012	5	0.7986388	10	0.8002499
Dichlorofluoromethane (Freon 2	0.4	1.089928	0.5	1.035154	1	0.9878269	2	0.9845784	5	0.9930328	10	0.9657621
1,2-Dichloropropane			0.5	0.3194888	1	0.3269322	2	0.3322851	5	0.3302843	10	0.3279066
1,3-Dichloropropane	0.4	0.4237697	0.5	0.4188853	1	0.4477934	2	0.4617829	5	0.4582631	10	0.4604493
2,2-Dichloropropane	0.4	0.7452366	0.5	0.8080043	1	0.7416767	2	0.7737704	5	0.7538727	10	0.7273677
1,1-Dichloropropene	0.4	0.6423077	0.5	0.5977285	1	0.6648959	2	0.7020472	5	0.6939056	10	0.6876138
cis-1,3-Dichloropropene	0.4	0.4469371	0.5	0.4539897	1	0.4301637	2	0.466649	5	0.4855255	10	0.4872363
trans-1,3-Dichloropropene	0.4	0.3528197	0.5	0.4019248	1	0.3968632	2	0.4206693	5	0.4235401	10	0.4165402
Diethyl Ether			0.5	0.4179557	1	0.4106805	2	0.4347007	5	0.3983854	10	0.4044882
Difluorochloromethane (Freon 2	0.4	1.064396	0.5	0.9254732	1	0.8820114	2	0.8899168	5	0.8541615	10	0.8335398
Diisopropyl Ether (DIPE)	0.4	2.147941	0.5	2.370795	1	2.055015	2	2.185134	5	2.041395	10	2.07257
1,4-Dioxane									50	2.83339E-03	100	3.605401E-03
Ethanol									50	9.069146E-03	100	8.54548E-03
Ethyl Acetate							2	0.8049474	5	0.7281081	10	0.7604637
Ethylbenzene	0.4	2.880538	0.5	2.789427	1	2.667369	2	2.779129	5	2.708458	10	2.695103
Hexachlorobutadiene	0.4	0.4014195	0.5	0.3414988	1	0.4046236	2	0.4365875	5	0.4400396	10	0.4426745
2-Hexanone (MBK)	4	0.3577427	5	0.3637834	10	0.3449733	20	0.3520275	50	0.3358678	100	0.3363583
Iodomethane	4	9.463068E-02	5	9.319632E-02	10	0.1099127	20	0.153591	50	0.1970736	100	0.2717812
Isopropylbenzene (Cumene)	0.4	2.879662	0.5	2.639172	1	2.647988	2	2.838994	5	2.763776	10	2.751908
p-Isopropyltoluene (p-Cymene)	0.4	2.479202	0.5	2.53214	1	2.363538	2	2.518651	5	2.500496	10	2.471573
Methyl Acetate					1	0.8403949	2	0.8212628	5	0.6204764	10	0.6379699
Methyl tert-Butyl Ether (MTBE)	0.4	1.237539	0.5	1.277231	1	1.218492	2	1.303779	5	1.222467	10	1.26327
Methyl Cyclohexane	0.4	0.5656698	0.5	0.4752889	1	0.5141984	2	0.5223609	5	0.5391377	10	0.5304096

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2000186 Instrument: GCMSVOA2

Calibration Date: 6/9/2020 8:37:12AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Methylene Chloride	0.4	0.9439131	0.5	0.9365062	1	0.931693	2	0.9390245	5	0.8863673	10	0.8825374
4-Methyl-2-pentanone (MIBK)	4	0.4762341	5	0.4728829	10	0.4599774	20	0.4808501	50	0.4638902	100	0.4529501
Naphthalene	0.4	1.960847	0.5	2.048291	1	1.935279	2	2.188097	5	2.035962	10	2.124509
n-Propylbenzene	0.4	3.435094	0.5	3.468811	1	3.444394	2	3.498766	5	3.413285	10	3.421143
Styrene	0.4	1.58307	0.5	1.643461	1	1.614347	2	1.675855	5	1.639897	10	1.677059
1,1,1,2-Tetrachloroethane	0.4	0.414384	0.5	0.4831173	1	0.4927741	2	0.5091205	5	0.5187242	10	0.5285408
1,1,2,2-Tetrachloroethane	0.4	0.6719504	0.5	0.6642862	1	0.693401	2	0.7403102	5	0.6955717	10	0.7166502
Tetrachloroethylene	0.4	0.206093	0.5	0.2232477	1	0.2613107	2	0.2561157	5	0.2711959	10	0.2710116
Tetrahydrofuran							2	0.258785	5	0.2104325	10	0.2125058
Toluene	0.4	1.318609	0.5	1.358025	1	1.342988	2	1.343937	5	1.301573	10	1.269626
1,2,3-Trichlorobenzene	0.4	0.6745593	0.5	0.7243701	1	0.7274053	2	0.7827974	5	0.7780688	10	0.7832364
1,2,4-Trichlorobenzene	0.4	0.6623422	0.5	0.7797672	1	0.7789092	2	0.8393723	5	0.8313748	10	0.8590955
1,3,5-Trichlorobenzene	0.4	0.9372273	0.5	0.8421766	1	0.8544014	2	0.970313	5	0.9578791	10	0.9464908
1,1,1-Trichloroethane	0.4	0.7316723	0.5	0.6905354	1	0.7787767	2	0.7744166	5	0.8032764	10	0.772002
1,1,2-Trichloroethane	0.4	0.2181594	0.5	0.2307419	1	0.2450523	2	0.2579033	5	0.246989	10	0.249773
Trichloroethylene	0.4	0.2321563	0.5	0.3033172	1	0.2793322	2	0.3078553	5	0.3098871	10	0.3044804
Trichlorofluoromethane (Freon 1	0.4	0.8170474	0.5	0.8073553	1	0.815554	2	0.8519552	5	0.8244034	10	0.8341862
1,2,3-Trichloropropane	0.4	0.1340396	0.5	0.1761365	1	0.1909365	2	0.1911	5	0.1962836	10	0.2069962
1,1,2-Trichloro-1,2,2-trifluoroeth	0.4	0.3391066	0.5	0.3764197	1	0.3661605	2	0.4214545	5	0.4340694	10	0.4126006
1,2,3-Trimethylbenzene	0.4	2.201699	0.5	2.125427	1	2.178688	2	2.311565	5	2.20218	10	2.1903
1,2,4-Trimethylbenzene	0.4	2.328233	0.5	2.139451	1	2.185744	2	2.385753	5	2.301147	10	2.321883
1,3,5-Trimethylbenzene	0.4	2.406581	0.5	2.269645	1	2.247452	2	2.374458	5	2.277303	10	2.34911
Vinyl Acetate	4	1.718433	5	1.750416	10	1.689694	20	1.749319	50	1.647622	100	1.658182
Vinyl Chloride	0.4	0.8154516	0.5	0.7521904	1	0.7319985	2	0.7560012	5	0.7330678	10	0.7307937
m+p Xylene	0.8	2.211216	1	2.083803	2	2.126681	4	2.232166	10	2.161576	20	2.139713
o-Xylene	0.4	2.1166	0.5	2.235855	1	2.111069	2	2.257065	5	2.157269	10	2.215675
1,2-Dichloroethane-d4	25	0.7960594	25	0.7985549	25	0.7925585	25	0.7750886	25	0.7871349	25	0.775609
Toluene-d8	25	1.250922	25	1.260663	25	1.243267	25	1.248955	25	1.265041	25	1.249605
4-Bromofluorobenzene	25	0.9220386	25	0.9222076	25	0.9231564	25	0.9184017	25	0.9154635	25	0.9275249

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2000186 Instrument: GCMSVOA2

Calibration Date: 6/9/2020 8:37:12AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acetone	200	0.2076214	500	0.1992434	1000	0.1920957	2000	0.1781169				
Acrolein	200	0.140723	500	0.1188726	1000	0.1121125						
Acrylonitrile	20	0.2538802	50	0.2425631	100	0.2429538	200	0.2315161				
tert-Amyl Methyl Ether (TAME)	20	1.267655	50	1.275899	100	1.270207	200	1.180701				
Benzene	20	1.817936	50	1.698086	100	1.706532	200	1.5462				
Bromobenzene	20	0.9716296	50	0.9443655	100	0.9876847	200	0.9086282				
Bromochloromethane	20	0.2197989	50	0.2035693	100	0.1703934	200	0.1517522				
Bromodichloromethane	20	0.3924735	50	0.390286	100	0.4018907	200	0.3839848				
Bromoform	20	0.3945577	50	0.4108256	100	0.4405069	200	0.4308859				
Bromomethane	20	0.1123003	50	0.1727857	100	0.2004657	200	0.200419				
2-Butanone (MEK)	200	0.3234075	500	0.3099089	1000	0.3000885	2000	0.2816486				
tert-Butyl Alcohol (TBA)	200	7.616569E-02	500	7.652235E-02	1000	7.521097E-02	2000	7.486561E-02				
n-Butylbenzene	20	2.324709	50	2.295173	100	2.322068	200	2.027423				
sec-Butylbenzene	20	2.87463	50	2.821962	100	2.8577	200	2.482352				
tert-Butylbenzene	20	1.929216	50	1.883557	100	1.931228	200	1.718538				
tert-Butyl Ethyl Ether (TBEE)	20	1.751908	50	1.70602	100	1.691446	200	1.572046				
Carbon Disulfide	200	1.315149	500	1.122799	1000	1.118729	2000	0.9235392				
Carbon Tetrachloride	20	0.6988133	50	0.680221	100	0.6974914	200	0.6085784				
Chlorobenzene	20	1.555062	50	1.492722	100	1.53632	200	1.391273				
Chlorodibromomethane	20	0.3134944	50	0.321097	100	0.3393886	200	0.3302073				
Chloroethane	20	0.3531495	50	0.3240802	100	0.317967						
2-Chloroethyl Vinyl Ether	200	9.025209E-02	500	6.902899E-02	1000	6.366568E-02	2000	5.569987E-02				
Chloroform	20	0.8582746	50	0.8272814	100	0.8279487	200	0.7659287				
Chloromethane	20	1.645347	50	1.136545								
2-Chlorotoluene	20	1.903015	50	1.824291	100	1.896844	200	1.709516				
4-Chlorotoluene	20	2.242922	50	2.20259	100	2.269383	200	2.041609				
Cyclohexane	20	1.219104	50	1.064189	100	1.061293	200	0.8950145				
1,2-Dibromo-3-chloropropane (D	20	0.1378746	50	0.1425967	100	0.144272	200	0.1398773				
1,2-Dibromoethane (EDB)	20	0.2834311	50	0.2719043	100	0.284609	200	0.2746763				
Dibromomethane	20	0.1875568	50	0.1858656	100	0.1912362	200	0.1809635				
1,2-Dichlorobenzene	20	1.214697	50	1.182343	100	1.208261	200	1.126346				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2000186 Instrument: GCMSVOA2

Calibration Date: 6/9/2020 8:37:12AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
1,3-Dichlorobenzene	20	1.247253	50	1.239653	100	1.283152	200	1.178169				
1,4-Dichlorobenzene	20	1.294046	50	1.274568	100	1.299205	200	1.200605				
trans-1,4-Dichloro-2-butene	20	0.2697936	50	0.2774407	100	0.2939299	200	0.2871096				
Dichlorodifluoromethane (Freon	20	0.6563894	50	0.5142866	100	0.5053246						
1,1-Dichloroethane	20	0.9596941	50	0.9130074	100	0.9158682	200	0.8376703				
1,2-Dichloroethane	20	0.4912443	50	0.4802426	100	0.4883577	200	0.4613304				
1,1-Dichloroethylene	20	0.8353974	50	0.7745284	100	0.7694309	200	0.6644842				
cis-1,2-Dichloroethylene	20	0.9312068	50	0.8774046	100	0.8861995	200	0.806398				
trans-1,2-Dichloroethylene	20	0.7918742	50	0.7415303	100	0.7476109	200	0.6754304				
Dichlorofluoromethane (Freon 2	20	0.9592414	50	0.9049293	100	0.9020181	200	0.7977419				
1,2-Dichloropropane	20	0.3324853	50	0.318547	100	0.3311468	200	0.3070029				
1,3-Dichloropropane	20	0.4535095	50	0.4447568	100	0.458238	200	0.4327034				
2,2-Dichloropropane	20	0.72473	50	0.6895511	100	0.6943432	200	0.6216547				
1,1-Dichloropropene	20	0.6959678	50	0.6399438	100	0.6542395	200	0.5783925				
cis-1,3-Dichloropropene	20	0.4871911	50	0.479018	100	0.4929777	200	0.4622598				
trans-1,3-Dichloropropene	20	0.426847	50	0.4220516	100	0.4435787	200	0.4216276				
Diethyl Ether	20	0.4205685	50	0.3966698	100	0.3943121	200	0.3649672				
Difluorochloromethane (Freon 2	20	0.8313232	50	0.6977362	100	0.6905772						
Diisopropyl Ether (DIPE)	20	1.997074	50	1.959335	100	1.914403	200	1.729115				
1,4-Dioxane	200	3.95637E-03	500	4.101196E-03	1000	4.019371E-03	2000	4.100168E-03				
Ethanol	200	6.997349E-03	500	1.178999E-02	1000	1.129653E-02	2000	1.063447E-02				
Ethyl Acetate	20	0.7309384	50	0.7236628	100	0.6975628	200	0.6505897				
Ethylbenzene	20	2.676434	50	2.558464	100	2.618594	200	2.319895				
Hexachlorobutadiene	20	0.3992327	50	0.4383154	100	0.4497262	200	0.3991321				
2-Hexanone (MBK)	200	0.3362351	500	0.3187296	1000	0.309507	2000	0.2771467				
Iodomethane	200	0.3654886	500	0.4557972	1000	0.4526278	2000	0.4296732				
Isopropylbenzene (Cumene)	20	2.737589	50	2.651777	100	2.729999	200	2.398121				
p-Isopropyltoluene (p-Cymene)	20	2.420662	50	2.378776	100	2.401822	200	2.117981				
Methyl Acetate	20	0.6250566	50	0.6144261	100	0.643581	200	0.5851455				
Methyl tert-Butyl Ether (MTBE)	20	1.234592	50	1.207323	100	1.218877	200	1.149991				
Methyl Cyclohexane	20	0.5372833	50	0.5064239	100	0.5200566	200	0.4400528				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2000186 Instrument: GCMSVOA2

Calibration Date: 6/9/2020 8:37:12AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Methylene Chloride	20	0.8550411	50	0.8017763	100	0.8108386	200	0.7439906				
4-Methyl-2-pentanone (MIBK)	200	0.4520929	500	0.4255804	1000	0.4061443	2000	0.3575302				
Naphthalene	20	2.114638	50	2.086265	100	2.089835	200	1.932257				
n-Propylbenzene	20	3.378198	50	3.282945	100	3.34079	200	2.911048				
Styrene	20	1.69572	50	1.655888	100	1.701497	200	1.559419				
1,1,1,2-Tetrachloroethane	20	0.525611	50	0.5412262	100	0.5631166	200	0.5289546				
1,1,2,2-Tetrachloroethane	20	0.7196467	50	0.7208841	100	0.7328436	200	0.6934369				
Tetrachloroethylene	20	0.2622553	50	0.2578293	100	0.2716835	200	0.2475473				
Tetrahydrofuran	20	0.2006402	50	0.1992534	100	0.195554	200	0.1829925				
Toluene	20	1.267966	50	1.199364	100	1.228595	200	1.113617				
1,2,3-Trichlorobenzene	20	0.76464	50	0.7697948	100	0.8005901	200	0.7409966				
1,2,4-Trichlorobenzene	20	0.819855	50	0.838515	100	0.8510726	200	0.7906994				
1,3,5-Trichlorobenzene	20	0.9099589	50	0.9338611	100	0.9571526	200	0.8803712				
1,1,1-Trichloroethane	20	0.7948005	50	0.7599702	100	0.7712906	200	0.6989426				
1,1,2-Trichloroethane	20	0.2504515	50	0.2433126	100	0.2561883	200	0.2448184				
Trichloroethylene	20	0.3043597	50	0.2911063	100	0.3047706	200	0.2753081				
Trichlorofluoromethane (Freon 1	20	0.7857143	50	0.7688851	100	0.7769226	200	0.6605242				
1,2,3-Trichloropropane	20	0.2098215	50	0.2097698	100	0.2182742	200	0.2033794				
1,1,2-Trichloro-1,2,2-trifluoroeth	20	0.4134709	50	0.3861381	100	0.3859015	200	0.317524				
1,2,3-Trimethylbenzene	20	2.192684	50	2.189042	100	2.230811	200	2.01239				
1,2,4-Trimethylbenzene	20	2.270815	50	2.18181	100	2.215156	200	2.004476				
1,3,5-Trimethylbenzene	20	2.319469	50	2.282692	100	2.347178	200	2.085419				
Vinyl Acetate	200	1.625834	500	1.465166	1000	1.258984	2000	1.10011				
Vinyl Chloride	20	0.7111654	50	0.6209439	100	0.6187339	200	0.5339464				
m+p Xylene	40	2.114799	100	2.024337	200	2.036403	400	1.781058				
o-Xylene	20	2.19182	50	2.092708	100	2.152805	200	1.942024				
1,2-Dichloroethane-d4	25	0.7750113	25	0.7564219	25	0.7450216	25	0.729069				
Toluene-d8	25	1.254515	25	1.235358	25	1.264537	25	1.267448				
4-Bromofluorobenzene	25	0.9386387	25	0.9393116	25	0.954412	25	0.9499967				

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2000186	Instrument:	GCMSVOA2
		Calibration Date:	6/9/2020 8:37:12AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	0.212736	12.6			20	
Acrolein	0.1434461	15.0			20	
Acrylonitrile	0.2344508	6.8			20	
tert-Amyl Methyl Ether (TAME)	1.258459	3.3			20	
Benzene	1.817602	8.3			20	
Bromobenzene	0.9779525	4.0			20	
Bromochloromethane	0.1959787	14.6			20	
Bromodichloromethane	0.3852316	4.4			20	
Bromoform	0.3779343	13.8			20	
Bromomethane	0.1593963	23.4	0.997		0.99	
2-Butanone (MEK)	0.331706	10.3			20	
tert-Butyl Alcohol (TBA)	7.471108E-02	5.9			20	
n-Butylbenzene	2.3317	5.2			20	
sec-Butylbenzene	2.877135	5.5			20	
tert-Butylbenzene	1.923578	5.3			20	
tert-Butyl Ethyl Ether (TBEE)	1.728532	3.8			20	
Carbon Disulfide	1.270917	12.7			20	
Carbon Tetrachloride	0.6823544	4.1			20	
Chlorobenzene	1.528388	3.8			20	
Chlorodibromomethane	0.2959761	11.6			20	
Chloroethane	0.383947	14.2			20	
2-Chloroethyl Vinyl Ether	7.722504E-02	18.0			20	
Chloroform	0.8443192	4.1			20	
Chloromethane	1.874805	18.6			20	
2-Chlorotoluene	1.924599	6.5			20	
4-Chlorotoluene	2.239113	3.5			20	
Cyclohexane	1.143235	14.9			20	
1,2-Dibromo-3-chloropropane (DBCP)	0.1356244	5.8			20	
1,2-Dibromoethane (EDB)	0.2715879	6.5			20	
Dibromomethane	0.1743876	14.9			20	
1,2-Dichlorobenzene	1.208544	3.5			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2000186	Instrument:	GCMSVOA2
		Calibration Date:	6/9/2020 8:37:12AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	1.264831	3.0			20	
1,4-Dichlorobenzene	1.312218	4.0			20	
trans-1,4-Dichloro-2-butene	0.2572224	12.9			20	
Dichlorodifluoromethane (Freon 12)	0.6171461	11.1			20	
1,1-Dichloroethane	0.9362647	4.9			20	
1,2-Dichloroethane	0.4811448	4.7			20	
1,1-Dichloroethylene	0.800166	6.9			20	
cis-1,2-Dichloroethylene	0.9006016	5.0			20	
trans-1,2-Dichloroethylene	0.7592057	5.4			20	
Dichlorofluoromethane (Freon 21)	0.9620213	8.3			20	
1,2-Dichloropropane	0.3251199	2.6			20	
1,3-Dichloropropane	0.4460151	3.5			20	
2,2-Dichloropropane	0.7280207	7.0			20	
1,1-Dichloropropene	0.6557042	6.5			20	
cis-1,3-Dichloropropene	0.4691948	4.4			20	
trans-1,3-Dichloropropene	0.4126462	6.0			20	
Diethyl Ether	0.4047476	4.9			20	
Difluorochloromethane (Freon 22)	0.8521261	13.3			20	
Diisopropyl Ether (DIPE)	2.047278	8.4			20	
1,4-Dioxane	3.769316E-03	13.1	1.000		0.99	
Ethanol	9.722161E-03	18.9			20	
Ethyl Acetate	0.728039	6.6			20	
Ethylbenzene	2.669341	5.7			20	
Hexachlorobutadiene	0.415325	7.9			20	
2-Hexanone (MBK)	0.3332371	7.7			20	
Iodomethane	0.2623772	58.0	0.998		0.99	
Isopropylbenzene (Cumene)	2.703899	4.9			20	
p-Isopropyltoluene (p-Cymene)	2.418484	5.0			20	
Methyl Acetate	0.6735391	14.7			20	
Methyl tert-Butyl Ether (MTBE)	1.233356	3.4			20	
Methyl Cyclohexane	0.5150882	6.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2000186	Instrument:	GCMSVOA2
		Calibration Date:	6/9/2020 8:37:12AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Methylene Chloride	0.8731688	7.9			20	
4-Methyl-2-pentanone (MIBK)	0.4448133	8.6			20	
Naphthalene	2.051598	4.2			20	
n-Propylbenzene	3.359447	5.0			20	
Styrene	1.644621	2.9			20	
1,1,1,2-Tetrachloroethane	0.5105569	8.0			20	
1,1,2,2-Tetrachloroethane	0.7048981	3.6			20	
Tetrachloroethylene	0.252829	8.7			20	
Tetrahydrofuran	0.2085948	11.6			20	
Toluene	1.27443	6.0			20	
1,2,3-Trichlorobenzene	0.7546459	5.0			20	
1,2,4-Trichlorobenzene	0.8051003	7.2			20	
1,3,5-Trichlorobenzene	0.9189832	4.9			20	
1,1,1-Trichloroethane	0.7575683	5.1			20	
1,1,2-Trichloroethane	0.244339	4.9			20	
Trichloroethylene	0.2912573	8.2			20	
Trichlorofluoromethane (Freon 11)	0.7942548	6.8			20	
1,2,3-Trichloropropane	0.1936737	12.5			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3852846	9.6			20	
1,2,3-Trimethylbenzene	2.183479	3.5			20	
1,2,4-Trimethylbenzene	2.233447	5.0			20	
1,3,5-Trimethylbenzene	2.295931	3.9			20	
Vinyl Acetate	1.566376	14.2			20	
Vinyl Chloride	0.7004293	11.9			20	
m+p Xylene	2.091175	6.1			20	
o-Xylene	2.147289	4.2			20	
1,2-Dichloroethane-d4	0.7730529	3.0			20	
Toluene-d8	1.254031	0.8			20	
4-Bromofluorobenzene	0.9311152	1.5			20	

INITIAL CALIBRATION STANDARDS

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S049200	Instrument:	GCMSVOA2
Calibration:	2000186		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2006165	10ppb 8260 Calibration Standard	S049200-TUN1	B2016109.D	06/09/20 08:37
2006160	0.4ppb 8260 Calibration Standard	S049200-CAL1	B2016110.D	06/09/20 09:20
2006161	0.5ppb 8260 Calibration Standard	S049200-CAL2	B2016111.D	06/09/20 09:46
2006162	1ppb 8260 Calibration Standard	S049200-CAL3	B2016112.D	06/09/20 10:12
2006163	2ppb 8260 Calibration Standard	S049200-CAL4	B2016113.D	06/09/20 10:38
2006164	5ppb 8260 Calibration Standard	S049200-CAL5	B2016114.D	06/09/20 11:04
2006165	10ppb 8260 Calibration Standard	S049200-CAL6	B2016115.D	06/09/20 11:30
2006166	20ppb 8260 Calibration Standard	S049200-CAL7	B2016116.D	06/09/20 11:57
2006167	50ppb 8260 Calibration Standard	S049200-CAL8	B2016117.D	06/09/20 12:23
2006168	100ppb 8260 Calibration Standard	S049200-CAL9	B2016118.D	06/09/20 12:49
2006169	200ppb 8260 Calibration Standard	S049200-CALA	B2016119.D	06/09/20 13:15
2006167	50ppb 8260 Calibration Standard	S049200-CAL8	B2016120.D	06/09/20 13:41
2006168	100ppb 8260 Calibration Standard	S049200-CAL9	B2016121.D	06/09/20 14:07
2006169	200ppb 8260 Calibration Standard	S049200-CALA	B2016122.D	06/09/20 14:33

\\Voa2\MSDChem\1\DATA\B060920\

Date	Filename	Lab ID	Sample Info
9 Jun 2020	5:09 am	B2016101.D	CLEAN UP
9 Jun 2020	5:35 am	B2016102.D	CLEAN UP
9 Jun 2020	6:01 am	B2016103.D	CLEAN UP
9 Jun 2020	6:27 am	B2016104.D	CLEAN UP
9 Jun 2020	6:53 am	B2016105.D	CLEAN UP
9 Jun 2020	7:19 am	B2016106.D	CLEAN UP
9 Jun 2020	7:45 am	B2016107.D	CLEAN UP
9 Jun 2020	8:11 am	B2016108.D	CLEAN UP
9 Jun 2020	8:37 am	B2016109.D	BFB
9 Jun 2020	9:20 am	B2016110.D	8260 STD 0.4 PPB 2006068
9 Jun 2020	9:46 am	B2016111.D	8260 STD 0.5 PPB 2006068
9 Jun 2020	10:12 am	B2016112.D	8260 STD 1.0 PPB 2006068
9 Jun 2020	10:38 am	B2016113.D	8260 STD 2.0 PPB 2006068
9 Jun 2020	11:04 am	B2016114.D	8260 STD 5.0 PPB 2006068
9 Jun 2020	11:30 am	B2016115.D	8260 STD 10 PPB 2006068
9 Jun 2020	11:57 am	B2016116.D	8260 STD 20 PPB 2006068
9 Jun 2020	12:23 pm	B2016117.D	8260 STD 50 PPB 2006068
9 Jun 2020	12:49 pm	B2016118.D	8260 STD 100 PPB 2006068
9 Jun 2020	1:15 pm	B2016119.D	8260 STD 200 PPB 2006068
9 Jun 2020	1:41 pm	B2016120.D	8260 ETOH 500 PPB
9 Jun 2020	2:07 pm	B2016121.D	8260 ETOH 1000 PPB
9 Jun 2020	2:33 pm	B2016122.D	8260 ETOH 2000 PPB
9 Jun 2020	2:59 pm	B2016123.D	CLEAN UP
9 Jun 2020	3:25 pm	B2016124.D	CLEAN UP
9 Jun 2020	3:52 pm	B2016125.D	CLEAN UP
9 Jun 2020	4:18 pm	B2016126.D	ICV
9 Jun 2020	4:44 pm	B2016127.D	ICVD
9 Jun 2020	5:10 pm	B2016128.D	CLEAN UP
9 Jun 2020	5:36 pm	B2016129.D	CLEAN UP

Response Factor Report GCMSVOA2

Method Path : Y:\1\METHODS\
Method File : B060920W.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Wed Jun 10 07:48:28 2020
Response Via : Initial Calibration

Calibration Files
0.4 =B2016110.D 0.5 =B2016111.D 1.0 =B2016112.D 2.0 =B2016113.D 5.0 =B2016114.D 10 =B2016115.D 20 =B2016116.D
50 =B2016117.D 100 =B2016118.D 200 =B2016119.D

		Compound	0.4	0.5	1.0	2.0	5.0	10	20	50	100	200	Avg	%RSD
1)	I	PENTAFLUOROBENZENE...	ISTD											
2)	S	1,2-DICHLOROET...	0.796	0.799	0.793	0.775	0.787	0.776	0.775	0.756	0.745	0.729	0.773	2.98
3)	T	DICHLORODIFLOU...		0.635	0.632	0.669	0.680	0.646	0.656	0.514	0.505		0.617	11.06
4)		DIFLUOROCHLORO...	1.064	0.925	0.882	0.890	0.854	0.834	0.831	0.698	0.691		0.852	13.35
5)	P	CHLOROMETHANE	2.253	2.009	1.882	2.109	2.070	1.894	1.645	1.137			1.875	18.61
6)	C	VINYL CHLORIDE	0.815	0.752	0.732	0.756	0.733	0.731	0.711	0.621	0.619	0.534	0.700	11.93#
7)	T	BROMOMETHANE					0.132	0.139	0.112	0.173	0.200	0.200	0.159	23.41
8)		CHLOROETHANE	0.495	0.377	0.422	0.408	0.392	0.366	0.353	0.324	0.318		0.384	14.19
9)		FLUORODICHLORO...	1.090	1.035	0.988	0.985	0.993	0.966	0.959	0.905	0.902	0.798	0.962	8.32
10)	T	TRICHLOROFLUOR...	0.817	0.807	0.816	0.852	0.824	0.834	0.786	0.769	0.777	0.661	0.794	6.75
11)		ETHANOL					0.009	0.009	0.007	0.012	0.011	0.011	0.010	18.87
12)	T	DI ETHYL ETHER		0.418	0.411	0.435	0.398	0.404	0.421	0.397	0.394	0.365	0.405	4.91
13)		ACROLEIN		0.180	0.159	0.151	0.145	0.142	0.141	0.119	0.112		0.143	14.97
14)	T	ACETONE			0.262	0.241	0.209	0.213	0.208	0.199	0.192	0.178	0.213	12.63
15)	C	1,1-DICHLOROET...	0.805	0.805	0.845	0.821	0.849	0.833	0.835	0.775	0.769	0.664	0.800	6.87#
16)		1,1,2-TRICL-1,...	0.339	0.376	0.366	0.421	0.434	0.413	0.413	0.386	0.386	0.318	0.385	9.63
17)		IODOMETHANE	0.095	0.093	0.110	0.154	0.197	0.272	0.365	0.456	0.453	0.430	0.262	58.00
18)		METHYL ACETATE			0.840	0.821	0.620	0.638	0.625	0.614	0.644	0.585	0.674	14.67
19)		T-BUTYL ALCOHOL			0.066	0.081	0.076	0.071	0.076	0.077	0.075	0.075	0.075	5.87
20)		ACRYLONITRILE		0.200	0.221	0.240	0.234	0.244	0.254	0.243	0.243	0.232	0.234	6.78
21)	T	METHYLENE CHLO...	0.944	0.937	0.932	0.939	0.886	0.883	0.855	0.802	0.811	0.744	0.873	7.92
22)		CARBON DISULFIDE	1.409	1.363	1.317	1.397	1.378	1.365	1.315	1.123	1.119	0.924	1.271	12.68
23)	T	METHYL TERT-BU...	1.238	1.277	1.218	1.304	1.222	1.263	1.235	1.207	1.219	1.150	1.233	3.42
24)	T	TRANS 1,2-DICH...	0.766	0.752	0.718	0.800	0.799	0.800	0.792	0.742	0.748	0.675	0.759	5.41
25)	P	1,1-DICHLOROET...	0.974	1.003	0.901	0.950	0.945	0.963	0.960	0.913	0.916	0.838	0.936	4.95
26)		VINYL ACETATE	1.718	1.750	1.690	1.749	1.648	1.658	1.626	1.465	1.259	1.100	1.566	14.22
27)		DI ISOPROPYL E...	2.148	2.371	2.055	2.185	2.041	2.073	1.997	1.959	1.914	1.729	2.047	8.36
28)	T	2-BUTANONE	0.389	0.374	0.355	0.349	0.316	0.319	0.323	0.310	0.300	0.282	0.332	10.26
29)		T-BUTYL ETHYL ...	1.790	1.734	1.737	1.816	1.732	1.755	1.752	1.706	1.691	1.572	1.729	3.81
30)	T	CIS-1,2-DICHLO...	0.903	0.881	0.883	0.969	0.940	0.928	0.931	0.877	0.886	0.806	0.901	5.00
31)		2,2-DICHLOROPR...	0.745	0.808	0.742	0.774	0.754	0.727	0.725	0.690	0.694	0.622	0.728	7.03
32)		ETHYL ACETATE				0.805	0.728	0.760	0.731	0.724	0.698	0.651	0.728	6.62
33)		BROMOCHLOROMET...		0.156	0.204	0.221	0.216	0.222	0.220	0.204	0.170	0.152	0.196	14.58
34)	T	TETRAHYDROFURAN				0.259	0.210	0.213	0.201	0.199	0.196	0.183	0.209	11.60
35)		T-BUTYL FORMATE	0.475	0.555	0.508	0.593	0.536	0.534	0.536	0.543	0.522	0.533	0.534	5.69
36)	C	CHLOROFORM	0.859	0.885	0.837	0.887	0.847	0.849	0.858	0.827	0.828	0.766	0.844	4.08#
37)	T	1,1,1-TRICHLOR...	0.732	0.691	0.779	0.774	0.803	0.772	0.795	0.760	0.771	0.699	0.758	5.06
38)		CYCLOHEXANE					1.374	1.246	1.219	1.064	1.061	0.895	1.143	14.85
39)	T	CARBON TETRACH...	0.701	0.673	0.679	0.687	0.700	0.699	0.699	0.680	0.697	0.609	0.682	4.08
40)		1,1-DICHLOROPR...	0.642	0.598	0.665	0.702	0.694	0.688	0.696	0.640	0.654	0.578	0.656	6.45
41)	T	BENZENE	2.071	1.974	1.812	1.939	1.804	1.807	1.818	1.698	1.707	1.546	1.818	8.28
42)		T-AMYL ALCOHOL		0.049	0.051	0.056	0.052	0.055	0.056	0.058	0.057	0.063	0.055	7.71
43)		T-AMYLMETHYL E...	1.301	1.201	1.266	1.316	1.234	1.273	1.268	1.276	1.270	1.181	1.258	3.33

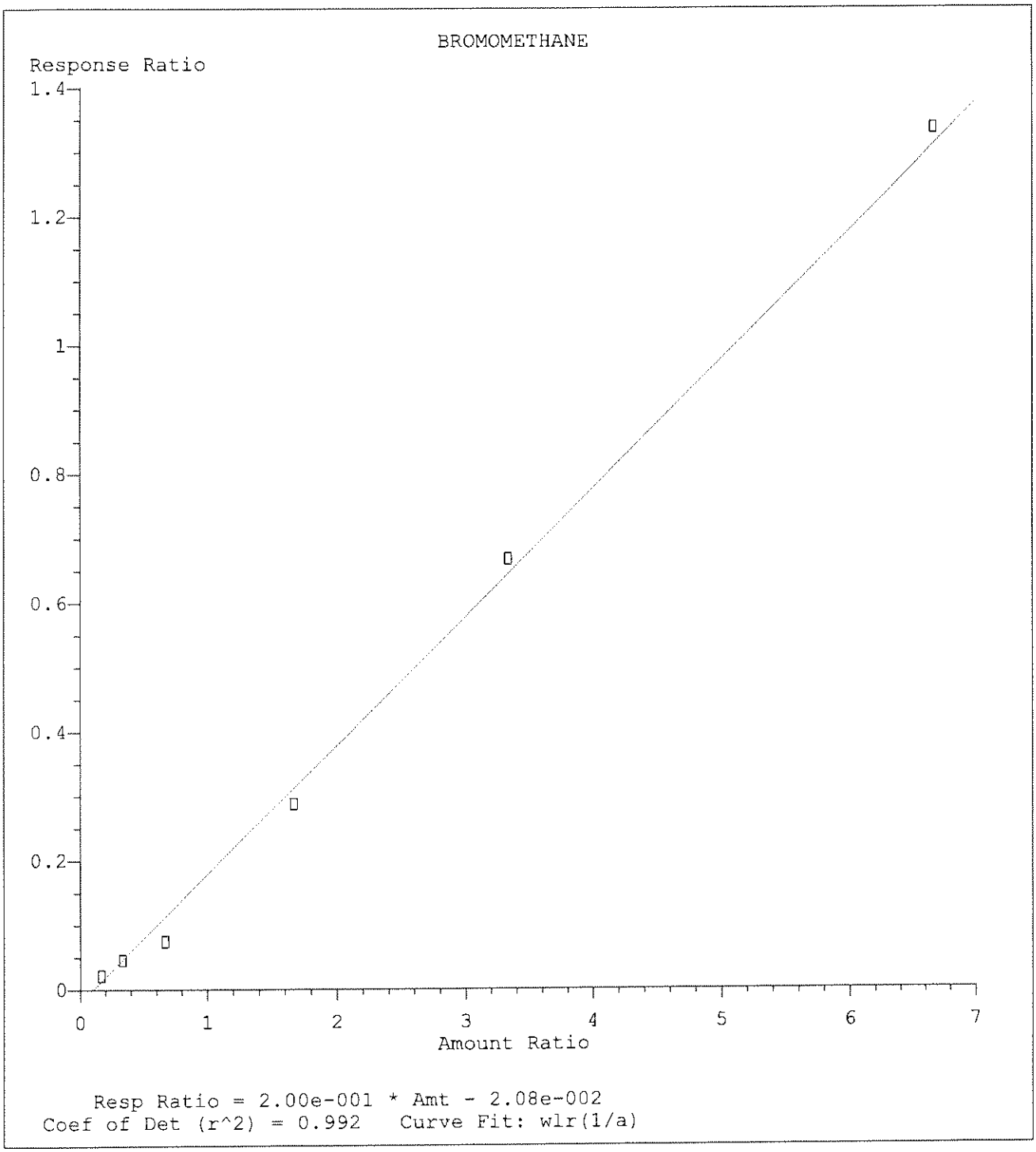
Method Path : Y:\1\METHODS\
Method File : B060920W.M
Title : 8260 CALIBRATION VOAMS 5973

44)	I	1,4-DIFLOUROBENZEN...	----------ISTD----------											
45)	S	TOLUENE-D8 SS	1.251	1.261	1.243	1.249	1.265	1.250	1.255	1.235	1.265	1.267	1.254	0.83
46)	T	1,2-DICHLOROET...	0.432	0.475	0.474	0.515	0.496	0.499	0.491	0.480	0.488	0.461	0.481	4.74
47)	T	TRICHLOROETHENE	0.232	0.303	0.279	0.308	0.310	0.304	0.304	0.291	0.305	0.275	0.291	8.24
48)		METHYLCYCLOHEXANE	0.566	0.475	0.514	0.522	0.539	0.530	0.537	0.506	0.520	0.440	0.515	6.86
49)	C	1,2-DICHLOROPR...		0.319	0.327	0.332	0.330	0.328	0.332	0.319	0.331	0.307	0.325	2.63#
50)	T	DIBROMOMETHANE	0.123	0.130	0.176	0.198	0.185	0.187	0.188	0.186	0.191	0.181	0.174	14.90
51)		1,4-DIOXANE					0.003	0.004	0.004	0.004	0.004	0.004	0.004	13.10
52)	T	BROMODICHLOROM...	0.350	0.375	0.364	0.401	0.395	0.399	0.392	0.390	0.402	0.384	0.385	4.43
53)		2-CHLOROETHYLV...	0.067	0.073	0.075	0.091	0.092	0.095	0.090	0.069	0.064	0.056	0.077	17.95
54)	T	MIBK	0.476	0.473	0.460	0.481	0.464	0.453	0.452	0.426	0.406	0.358	0.445	8.63
55)	T	CIS-1,3-DICHLO...	0.447	0.454	0.430	0.467	0.486	0.487	0.487	0.479	0.493	0.462	0.469	4.43
56)	C	TOLUENE	1.319	1.358	1.343	1.344	1.302	1.270	1.268	1.199	1.229	1.114	1.274	6.01#
57)	T	TRANS-1,3,-DIC...	0.353	0.402	0.397	0.421	0.424	0.417	0.427	0.422	0.444	0.422	0.413	5.97
58)		ETHYL METHACRY...											0.000	-1.00
59)	T	1,1,2-TRICHLOR...	0.218	0.231	0.245	0.258	0.247	0.250	0.250	0.243	0.256	0.245	0.244	4.86
60)		2-HEXANONE	0.358	0.364	0.345	0.352	0.336	0.336	0.336	0.319	0.310	0.277	0.333	7.73
61)	T	TETRACHLOROETHENE	0.206	0.223	0.261	0.256	0.271	0.271	0.262	0.258	0.272	0.248	0.253	8.65
62)		1,3-DICHLOROPR...	0.424	0.419	0.448	0.462	0.458	0.460	0.454	0.445	0.458	0.433	0.446	3.53
63)	T	DIBROMOCHLOROM...	0.226	0.261	0.274	0.299	0.294	0.303	0.313	0.321	0.339	0.330	0.296	11.64
64)	T	1,2-DIBROMOETHANE	0.241	0.248	0.256	0.297	0.282	0.276	0.283	0.272	0.285	0.275	0.272	6.48
65)	I	CHLOROBENZENE-D5 ISTD	----------ISTD----------											
66)	S	4-BROMOFLUROBE...	0.922	0.922	0.923	0.918	0.915	0.928	0.939	0.939	0.954	0.950	0.931	1.46
67)	P	CHLOROBENZENE	1.534	1.554	1.497	1.602	1.550	1.572	1.555	1.493	1.536	1.391	1.528	3.79
68)	T	1,1,1,2-TETRAC...	0.414	0.483	0.493	0.509	0.519	0.529	0.526	0.541	0.563	0.529	0.511	7.99
69)	C	ETHYLBENZENE	2.881	2.789	2.667	2.779	2.708	2.695	2.676	2.558	2.619	2.320	2.669	5.73#
70)	T	M/P-XYLENES	2.211	2.084	2.127	2.232	2.162	2.140	2.115	2.024	2.036	1.781	2.091	6.11
71)	T	0-XYLENE	2.117	2.236	2.111	2.257	2.157	2.216	2.192	2.093	2.153	1.942	2.147	4.22
72)	T	STYRENE	1.583	1.643	1.614	1.676	1.640	1.677	1.696	1.656	1.701	1.559	1.645	2.87
73)	P	BROMOFORM			0.284	0.342	0.347	0.374	0.395	0.411	0.441	0.431	0.378	13.84
74)	T	ISOPROPYLBENZENE	2.880	2.639	2.648	2.839	2.764	2.752	2.738	2.652	2.730	2.398	2.704	4.94
75)		CIS-1,4-DICHLO...											0.000	-1.00
76)	P	1,1,2,2-TETRAC...	0.672	0.664	0.693	0.740	0.696	0.717	0.720	0.721	0.733	0.693	0.705	3.58
77)		1,4-DICHLORO-2...			0.193	0.240	0.236	0.260	0.270	0.277	0.294	0.287	0.257	12.87
78)		BROMOBENZENE	1.022	0.986	0.938	1.034	0.985	1.002	0.972	0.944	0.988	0.909	0.978	3.96
79)	T	1,2,3-TRICHLOR...	0.134	0.176	0.191	0.191	0.196	0.207	0.210	0.210	0.218	0.203	0.194	12.51
80)	T	N-PROPYLBENZENE	3.435	3.469	3.444	3.499	3.413	3.421	3.378	3.283	3.341	2.911	3.359	5.05
81)	T	2-CHLOROT0LUENE	2.116	2.042	1.845	2.082	1.892	1.935	1.903	1.824	1.897	1.710	1.925	6.48
82)	T	1,3,5-TRIMETHY...	2.407	2.270	2.247	2.374	2.277	2.349	2.319	2.283	2.347	2.085	2.296	3.90
83)		4-CHLOROTOLUENE	2.273	2.288	2.194	2.309	2.278	2.292	2.243	2.203	2.269	2.042	2.239	3.52
84)	I	1,4-DICHLOROBENZEN...	----------ISTD----------											
85)	T	TERT-BUTYLBENZENE	1.804	1.928	1.987	2.077	2.008	1.969	1.929	1.884	1.931	1.719	1.924	5.34
86)	T	1,2,4-TRIMETHY...	2.328	2.139	2.186	2.386	2.301	2.322	2.271	2.182	2.215	2.004	2.233	5.01
87)		SEC-BUTYLBENZENE	2.916	2.879	2.880	3.063	3.014	2.984	2.875	2.822	2.858	2.482	2.877	5.50
88)	T	1,3-DICHLOROBE...	1.272	1.252	1.283	1.320	1.283	1.290	1.247	1.240	1.283	1.178	1.265	3.04
89)	T	P-ISOPROPYLTOL...	2.479	2.532	2.364	2.519	2.500	2.472	2.421	2.379	2.402	2.118	2.418	5.00
90)	T	1,4-DICHLOROBE...	1.323	1.359	1.387	1.359	1.309	1.316	1.294	1.275	1.299	1.201	1.312	3.98
91)		1,2,3-TRIMETHY...	2.202	2.125	2.179	2.312	2.202	2.190	2.193	2.189	2.231	2.012	2.183	3.49
92)	T	N-BUTYLBENZENE	2.348	2.332	2.349	2.485	2.410	2.423	2.325	2.295	2.322	2.027	2.332	5.21
93)	T	1,2-DICHLOROBE...	1.245	1.253	1.154	1.241	1.239	1.221	1.215	1.182	1.208	1.126	1.209	3.48

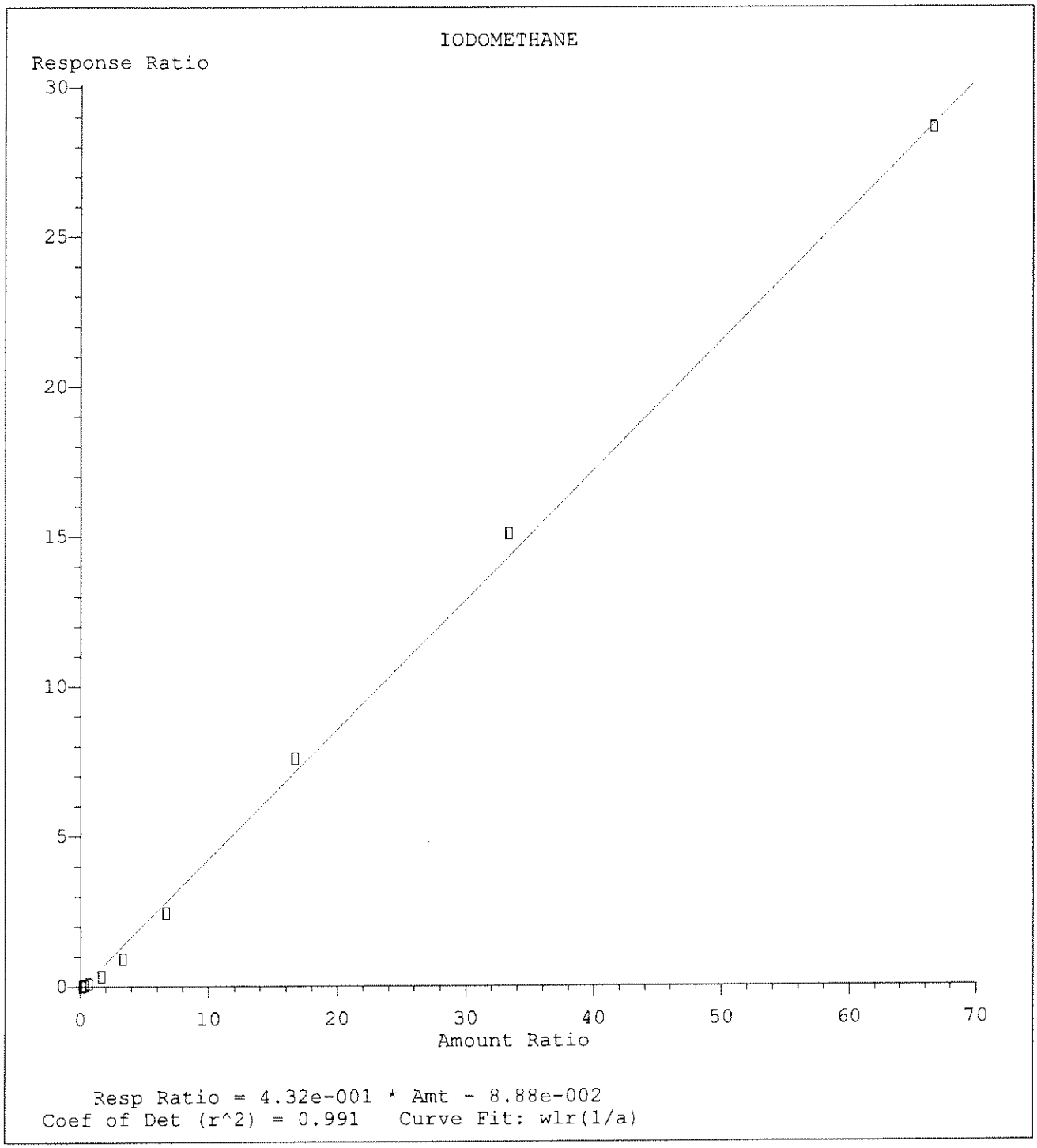
Method Path : Y:\1\METHODS\
Method File : B060920W.M
Title : 8260 CALIBRATION VOAMS 5973

94)		1,2-DIBROMO-3-...				0.125	0.125	0.134	0.138	0.143	0.144	0.140	0.136	5.77
95)		1,3,5-TRICHLOR...	0.937	0.842	0.854	0.970	0.958	0.946	0.910	0.934	0.957	0.880	0.919	4.94
96)	T	1,2,4-TRICHLOR...	0.662	0.780	0.779	0.839	0.831	0.859	0.820	0.839	0.851	0.791	0.805	7.19
97)	T	HEXACHLOROBUTA...	0.401	0.341	0.405	0.437	0.440	0.443	0.399	0.438	0.450	0.399	0.415	7.95
98)	T	NAPHTHALENE	1.961	2.048	1.935	2.188	2.036	2.125	2.115	2.086	2.090	1.932	2.052	4.20
99)		1,2,3-TRICHLOR...	0.675	0.724	0.727	0.783	0.778	0.783	0.765	0.770	0.801	0.741	0.755	5.01

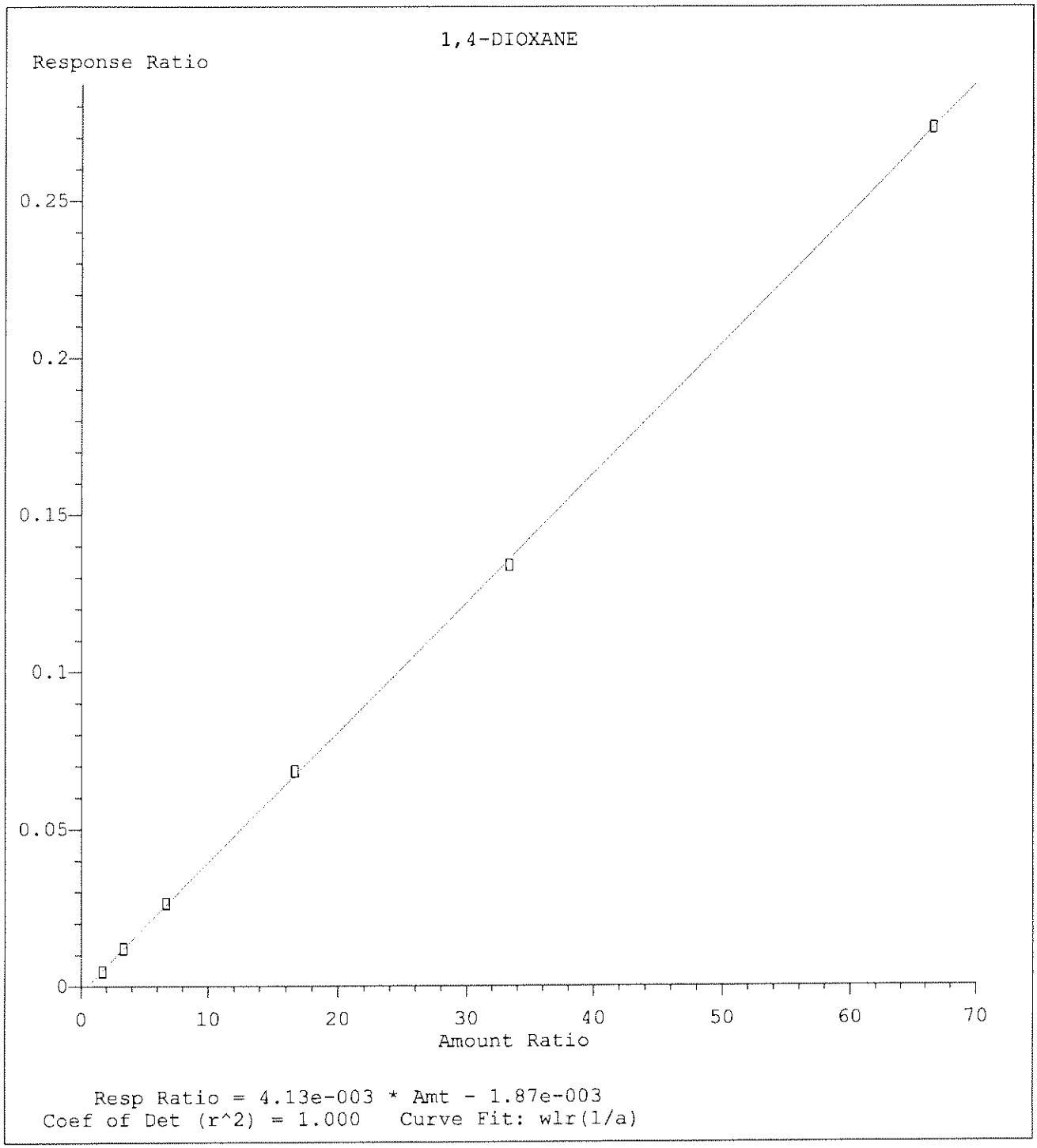
(#) = Out of Range



Method Name: C:\MSDCHEM\1\METHODS\B060920W.M
Calibration Table Last Updated: Wed Jun 10 07:24:56 2020



Method Name: C:\MSDCHEM\1\METHODS\B060920W.M
Calibration Table Last Updated: Wed Jun 10 07:24:56 2020



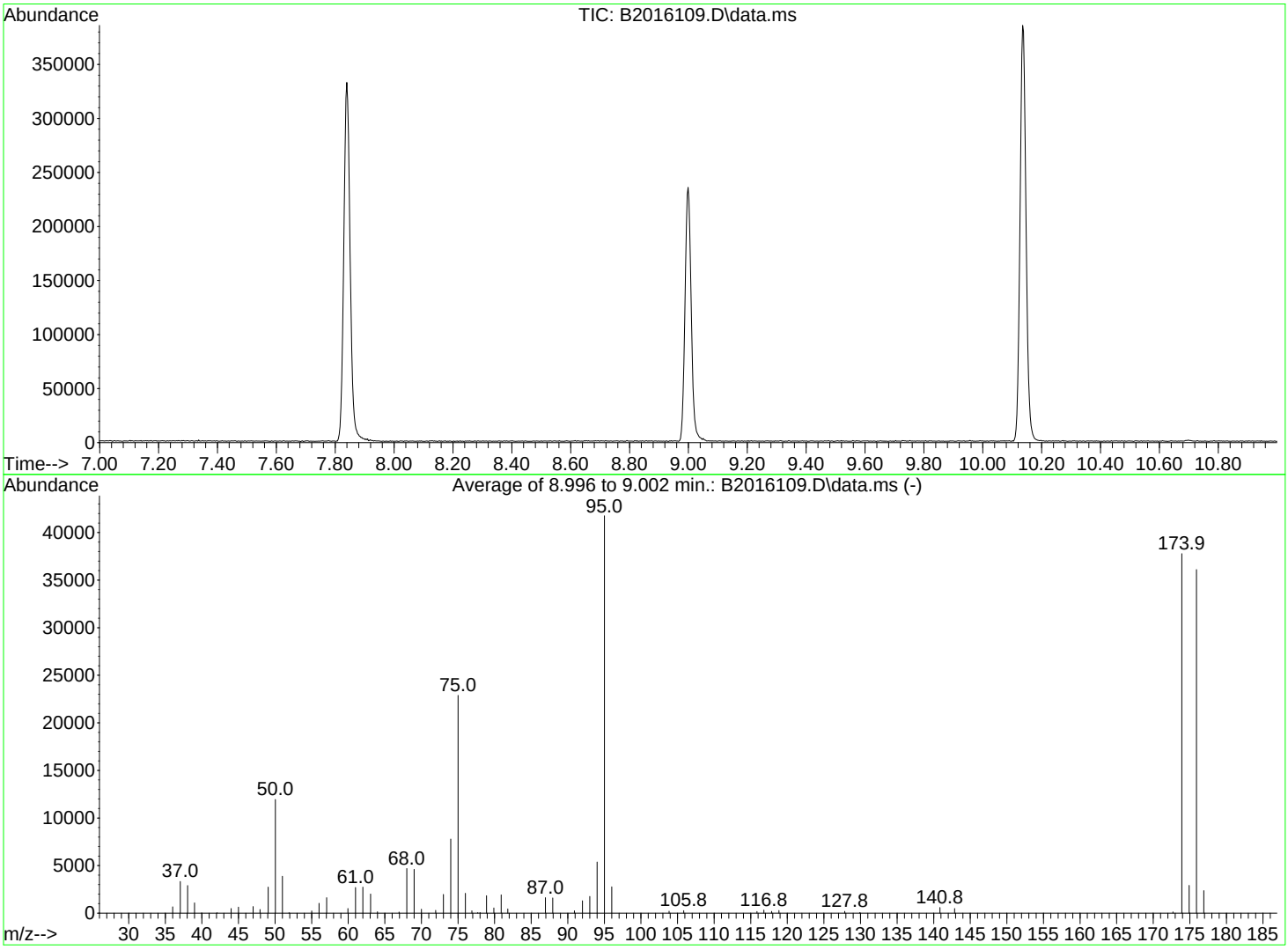
Method Name: C:\MSDCHEM\1\METHODS\B060920W.M
Calibration Table Last Updated: Wed Jun 10 07:24:56 2020

BFB

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016109.D
Acq On : 9 Jun 2020 8:37 am
Operator :
Sample : BFB Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: 8260LOW.P

Method : Y:\1\METHODS\B042720W.M
Title : 8260 CALIBRATION VOAMS 5973
Last Update : Tue Apr 28 08:44:09 2020



AutoFind: Scans 2784, 2785, 2786; Background Corrected with Scan 2772

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	28.6	11955	PASS
75	95	30	60	54.8	22893	PASS
95	95	100	100	100.0	41763	PASS
96	95	5	9	6.6	2773	PASS
173	174	0.00	2	0.4	136	PASS
174	95	50	100	90.5	37787	PASS
175	174	5	9	7.7	2922	PASS
176	174	95	101	95.6	36115	PASS
177	176	5	9	6.6	2377	PASS

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 3 Sample Multiplier: 1

350

Quant Time: Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.284	168	93997	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	155391	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	85609	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85945	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	62356	27.09	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.36%				
45) TOLUENE-D8 SS	6.435	98	161985	25.79	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.16%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	65779	24.80	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.132	85	915	0.43	UG/L	#	43
4) DIFLUOROCHLOROMETHANE	1.141	51	1334	0.34	UG/L		100
5) CHLOROMETHANE	1.243	50	2824	0.49	UG/L		94
6) VINYL CHLORIDE	1.308	62	1022	0.37	UG/L	#	48
8) CHLOROETHANE	1.578	64	621	0.49	UG/L		94
9) FLUORODICHLOROMETHANE	1.701	67	1366	0.50	UG/L		89
10) TRICHLOROFLUOROMETHANE	1.735	101	1024	0.40	UG/L		91
13) ACROLEIN	2.033	56	2576	4.36	UG/L	#	77
14) ACETONE	2.147	43	4141m	4.56	UG/L		
15) 1,1-DICHLOROETHENE	2.093	61	1009	0.35	UG/L	#	65
16) 1,1,2-TRICL-1,2,2-TRIF...	2.093	101	425m	0.36	UG/L		
17) IODOMETHANE	2.218	142	1186	0.61	UG/L		94
21) METHYLENE CHLORIDE	2.485	49	1183	0.29	UG/L	#	63
22) CARBON DISULFIDE	2.266	76	17653	4.52	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	1551	0.39	UG/L	#	35
24) TRANS 1,2-DICHLOROETHENE	2.721	61	960	0.33	UG/L	#	37
25) 1,1-DICHLOROETHANE	3.153	63	1221	0.36	UG/L	#	53
26) VINYL ACETATE	3.213	43	21537	3.12	UG/L	#	95
27) DI ISOPROPYL ETHER	3.221	45	2692	0.28	UG/L	#	68
28) 2-BUTANONE	3.781	43	4878	3.26	UG/L	#	92
29) T-BUTYL ETHYL ETHER	3.585	59	2243	0.30	UG/L		95
30) CIS-1,2-DICHLOROETHENE	3.744	61	1132	0.33	UG/L	#	76
31) 2,2-DICHLOROPROPANE	3.733	77	934	0.44	UG/L	#	48
33) BROMOCHLOROMETHANE	3.977	128	91m	0.14	UG/L		
35) T-BUTYL FORMATE	4.125	59	595	0.26	UG/L	#	31
36) CHLOROFORM	4.079	83	1076	0.43	UG/L		89
37) 1,1,1-TRICHLOROETHANE	4.230	97	917	0.40	UG/L		92
38) CYCLOHEXANE	4.281	56	4226	0.79	UG/L	#	65
39) CARBON TETRACHLORIDE	4.398	117	878	0.42	UG/L		86
40) 1,1-DICHLOROPROPENE	4.392	75	805m	0.42	UG/L		
41) BENZENE	4.608	78	2595	0.48	UG/L		95
43) T-AMYLMETHYL ETHER	4.733	73	1630	0.41	UG/L	#	37
46) 1,2-DICHLOROETHANE	4.645	62	896	0.28	UG/L	#	42
47) TRICHLOROETHENE	5.247	95	481m	0.31	UG/L		
48) METHYLCYCLOHEXANE	5.418	83	1172	0.42	UG/L	#	78
50) DIBROMOMETHANE	5.588	93	255m	0.25	UG/L		
52) BROMODICHLOROMETHANE	5.756	83	726	0.33	UG/L	#	25
53) 2-CHLOROETHYLVINYLETHER	6.063	63	1395	0.79	UG/L	#	76
54) MIBK	6.356	43	9867	2.79	UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.194	75	926	0.35	UG/L	#	76
56) TOLUENE	6.501	91	2732	0.39	UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	731	0.31	UG/L	#	64
59) 1,1,2-TRICHLOROETHANE	6.916	97	452m	0.32	UG/L		

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 3 Sample Multiplier: 1

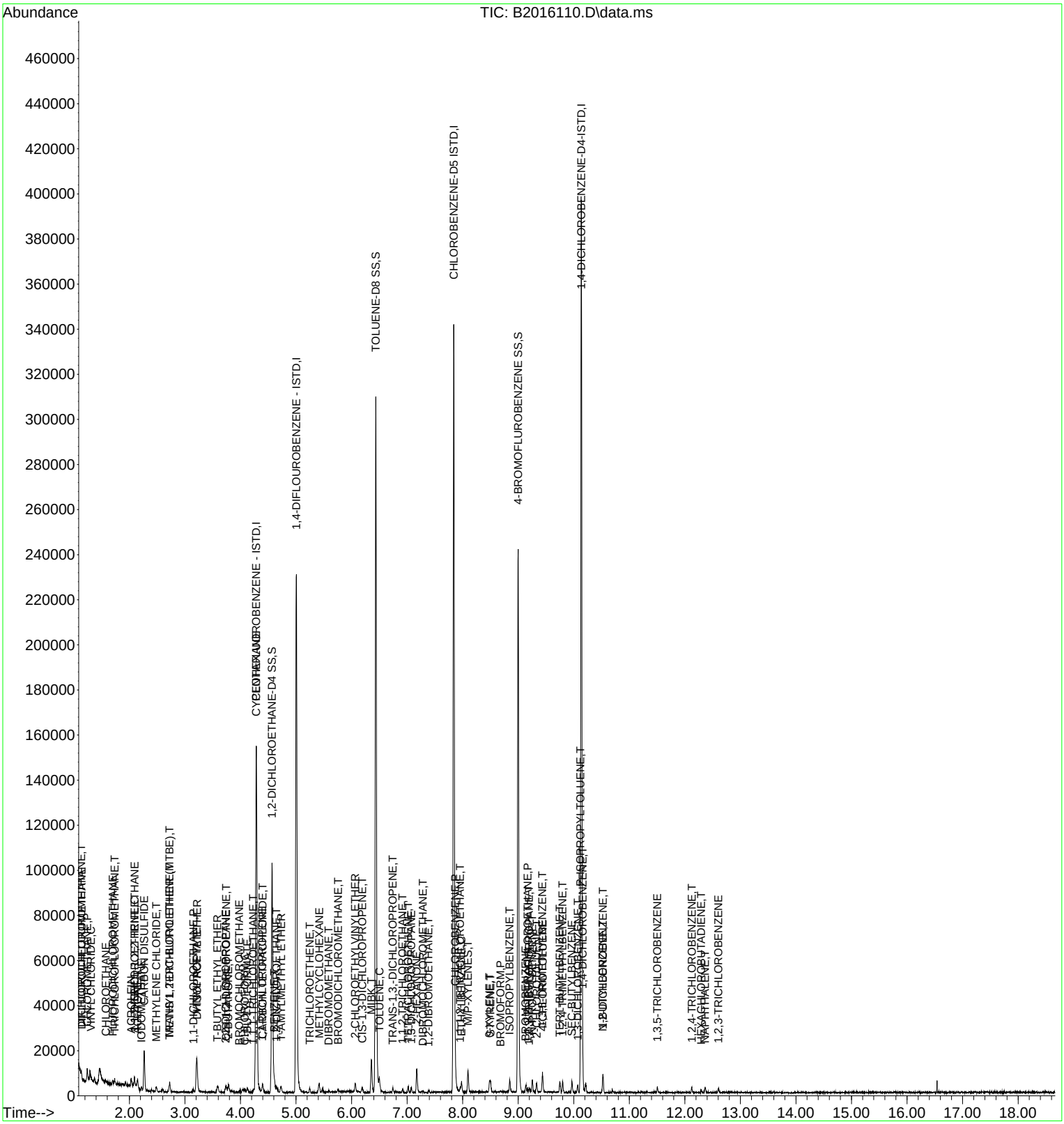
Quant Time: Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
60) 2-HEXANONE	7.171	43	7412	2.84	UG/L	#	93
61) TETRACHLOROETHENE	7.018	164	427m	0.29	UG/L		
62) 1,3-DICHLOROPROPANE	7.078	76	878	0.35	UG/L	#	71
63) DIBROMOCHLOROMETHANE	7.285	129	468m	0.26	UG/L		
64) 1,2-DIBROMOETHANE	7.387	107	500	0.31	UG/L	#	4
67) CHLOROBENZENE	7.865	112	1751	0.39	UG/L	#	48
68) 1,1,1,2-TETRACHLOROETHANE	7.953	131	473m	0.29	UG/L		
69) ETHYLBENZENE	7.979	91	3288	0.42	UG/L		94
70) M/P-XYLENES	8.095	91	5048	0.82	UG/L		97
71) 0-XYLENE	8.479	91	2416	0.37	UG/L		98
72) STYRENE	8.501	104	1807	0.36	UG/L	#	70
73) BROMOFORM	8.683	173	316m	0.24	UG/L		
74) ISOPROPYLBENZENE	8.845	105	3287	0.41	UG/L		94
76) 1,1,2,2-TETRACHLOROETHANE	9.169	83	767	0.37	UG/L	#	26
78) BROMOBENZENE	9.132	77	1167	0.41	UG/L	#	82
79) 1,2,3-TRICHLOROPROPANE	9.195	110	153m	0.23	UG/L		
80) N-PROPYLBENZENE	9.255	91	3921	0.40	UG/L		93
81) 2-CHLOROT0LUENE	9.331	91	2415	0.43	UG/L		94
82) 1,3,5-TRIMETHYLBENZENE	9.436	105	2747	0.40	UG/L		100
83) 4-CHLOROTOLUENE	9.442	91	2594	0.39	UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	2067	0.39	UG/L		89
86) 1,2,4-TRIMETHYLBENZENE	9.797	105	2668	0.43	UG/L		98
87) SEC-BUTYLBENZENE	9.965	105	3341	0.43	UG/L		97
88) 1,3-DICHLOROBENZENE	10.073	146	1458	0.42	UG/L	#	75
89) P-ISOPROPYLTOLUENE	10.119	119	2841	0.43	UG/L	#	86
90) 1,4-DICHLOROBENZENE	10.161	146	1516	0.42	UG/L	#	63
91) N-BUTYLBENZENE	10.522	91	2691	0.43	UG/L	#	95
92) 1,2-DICHLOROBENZENE	10.525	146	1427	0.43	UG/L		88
94) 1,3,5-TRICHLOROBENZENE	11.503	180	1074	0.38	UG/L		98
95) 1,2,4-TRICHLOROBENZENE	12.125	180	759	0.31	UG/L	#	75
96) HEXACHLOROBUTADIENE	12.293	225	460m	0.30	UG/L		
97) NAPHTHALENE	12.367	128	2247	0.38	UG/L	#	69
98) 1,2,3-TRICHLOROBENZENE	12.605	180	773	0.33	UG/L		93

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 3 Sample Multiplier: 1

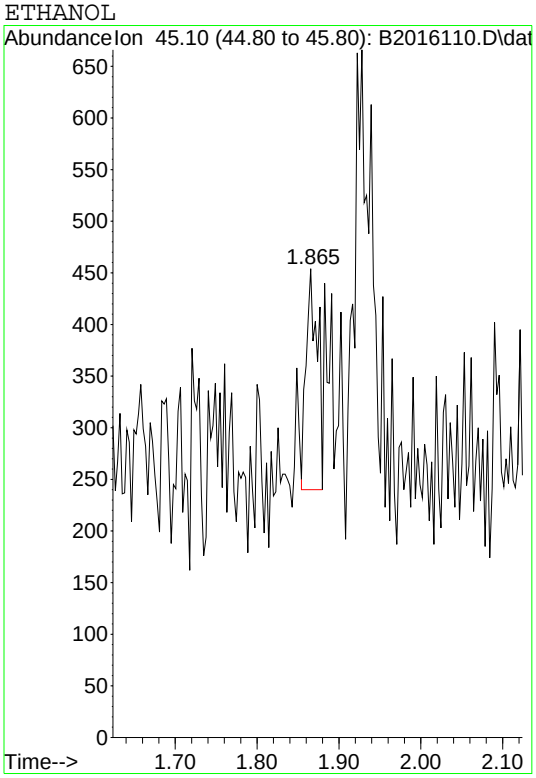
Quant Time: Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

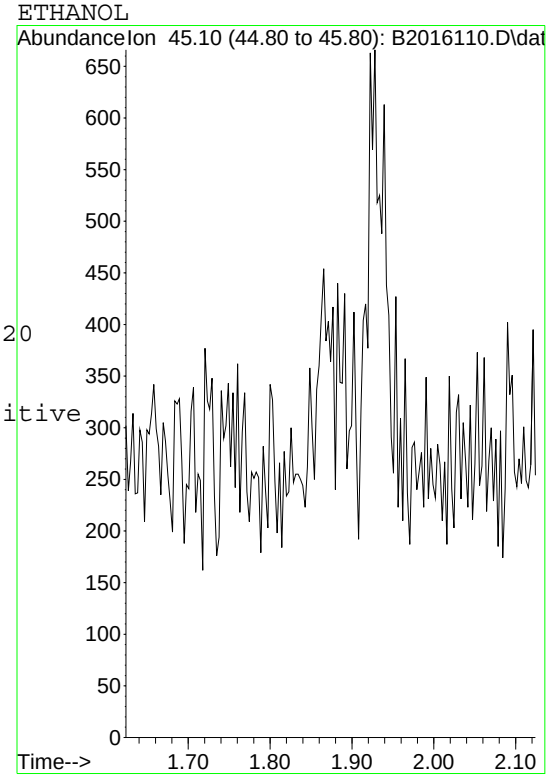
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Amount: 60.6411

Manual Int. Results

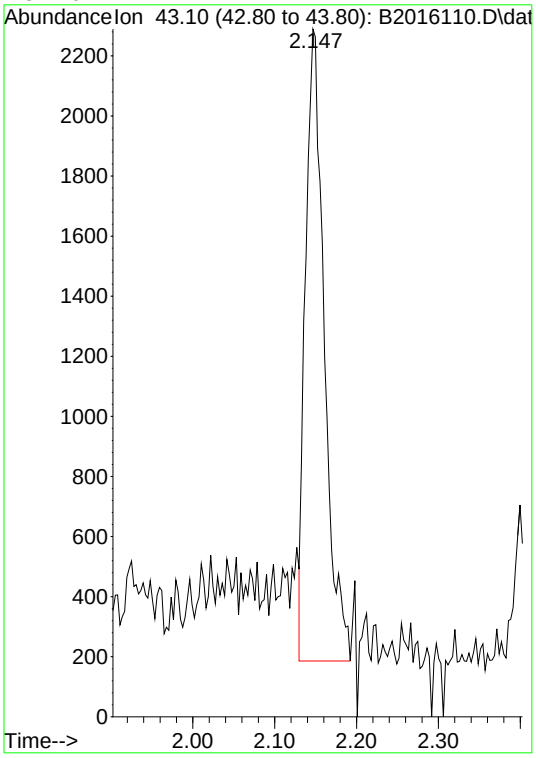
Tue Jun 09 09:45:39 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
ACETONE



Original Int. Results

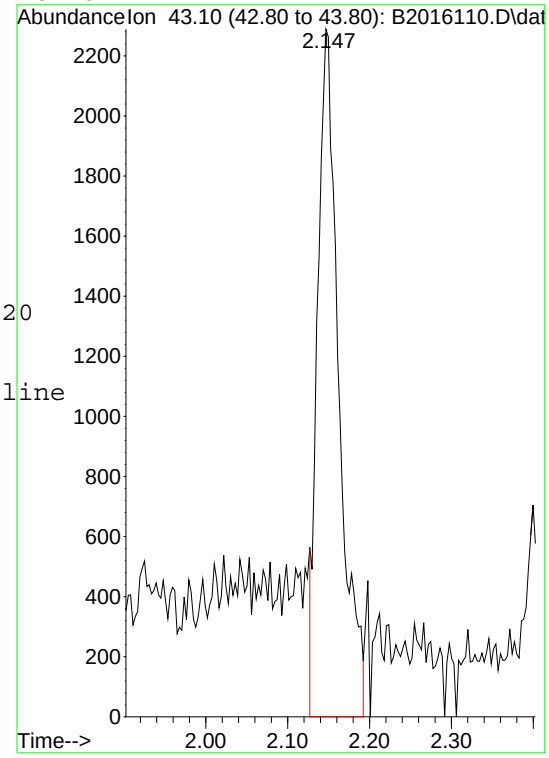
RT : 2.15
Area : 3360
Amount: 3.69638

Manual Int. Results

Tue Jun 09 09:51:59 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.15
Area : 4141
Amount: 4.55557

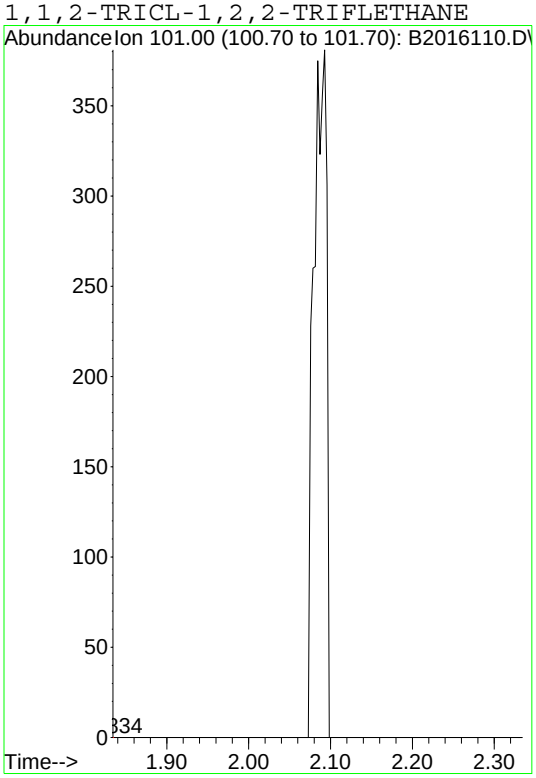
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
1,1,2-TRICL-1,2,2-TRIFLETHANE



Original Int. Results

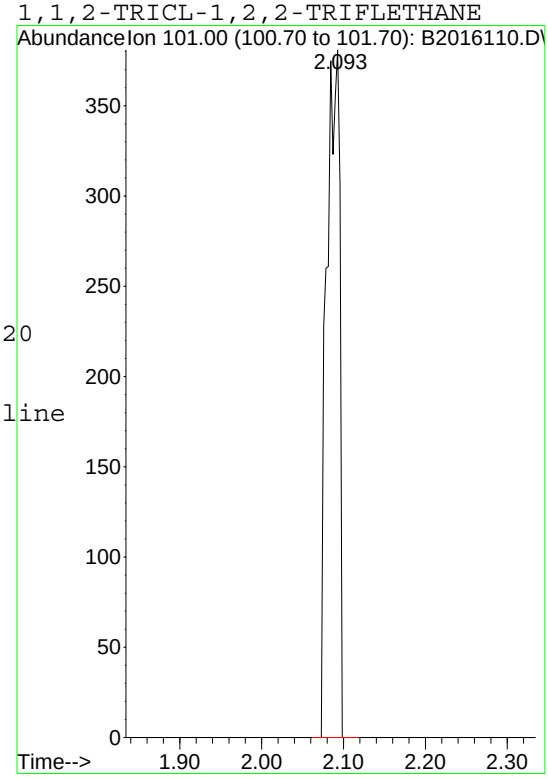
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

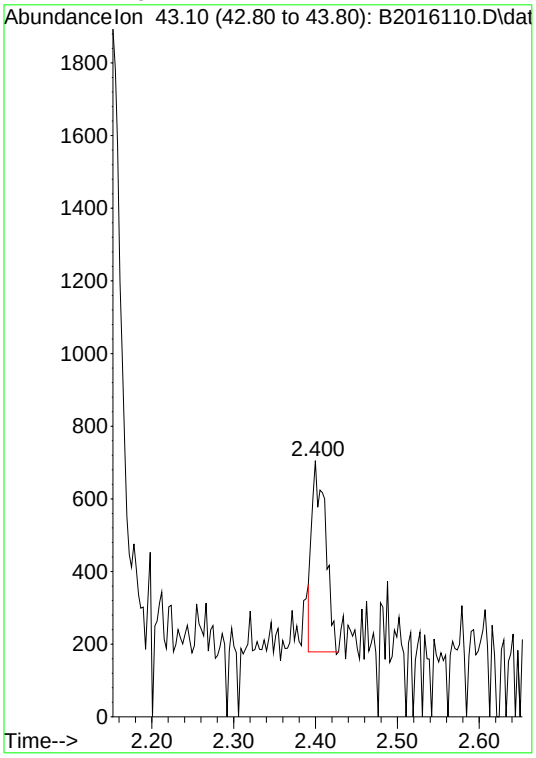
Tue Jun 09 09:46:08 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.09
Area : 425
Amount: 0.359184

Manual Integration
1,1,2-TRICL-1,2,2-TRIFLETHANE



Original Integration
METHYL ACETATE



Original Int. Results

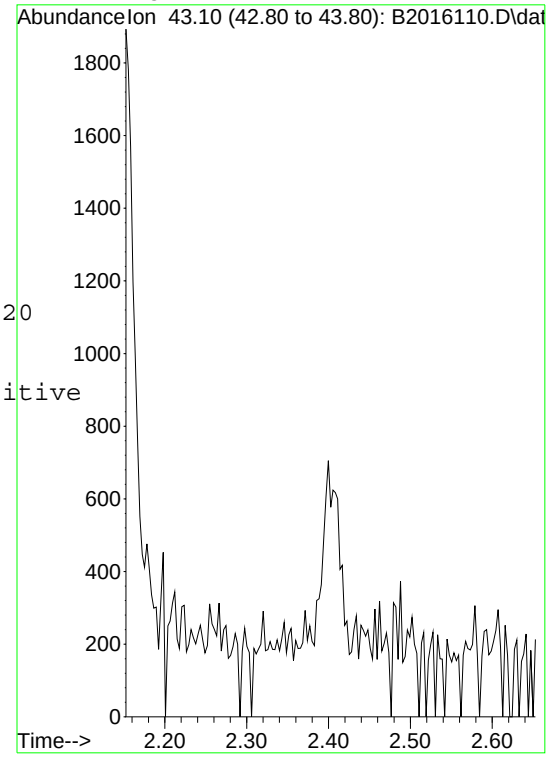
RT : 2.40
Area : 611
Amount: 0.19797

Manual Int. Results

Tue Jun 09 09:46:12 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

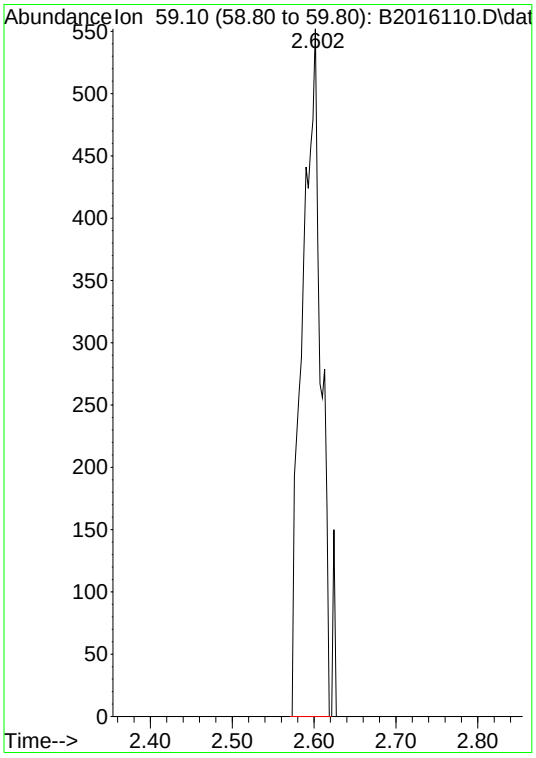
Manual Integration
METHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
T-BUTYL ALCOHOL



Original Int. Results

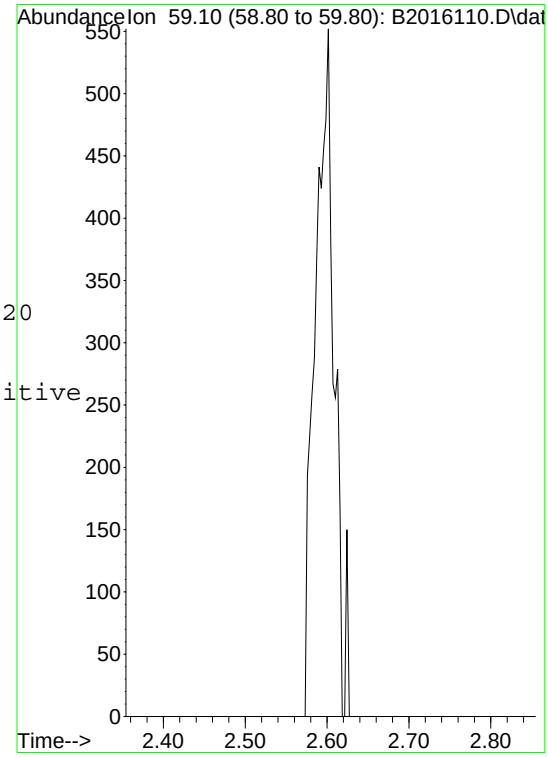
RT : 2.60
Area : 859
Amount: 2.69136

Manual Int. Results

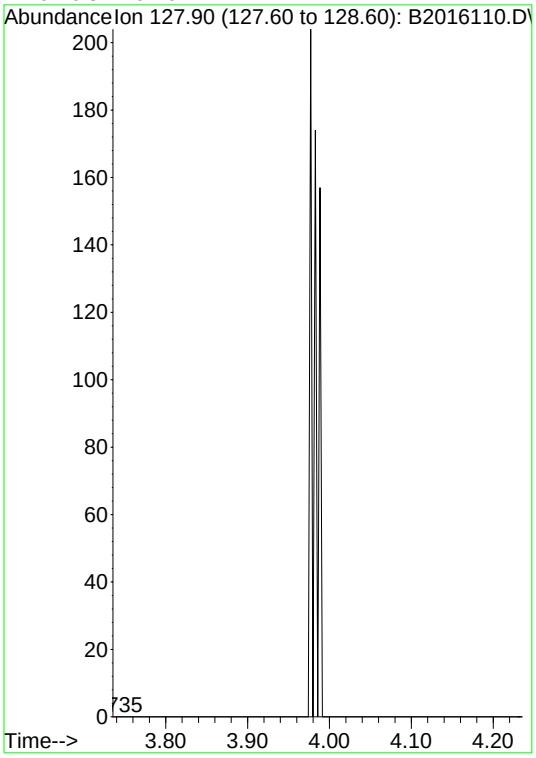
Tue Jun 09 09:46:16 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
T-BUTYL ALCOHOL



Original Integration
BROMOCHLOROMETHANE



Original Int. Results

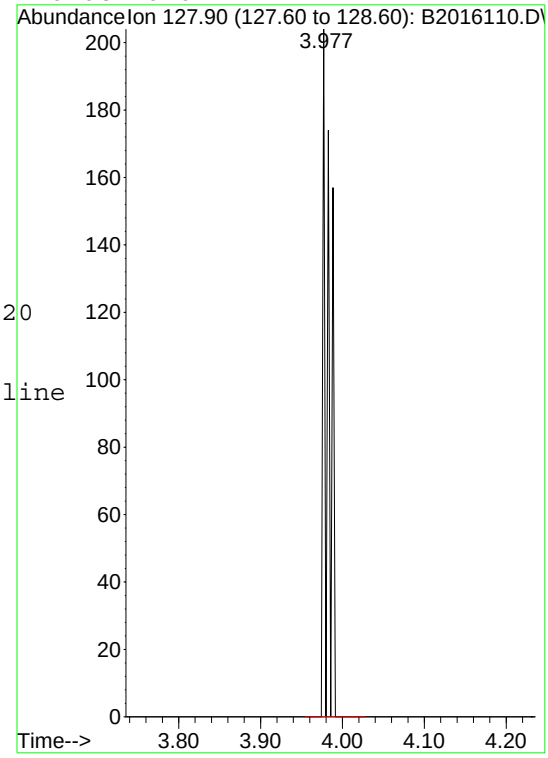
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 09:48:35 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.98
Area : 91
Amount: 0.141299

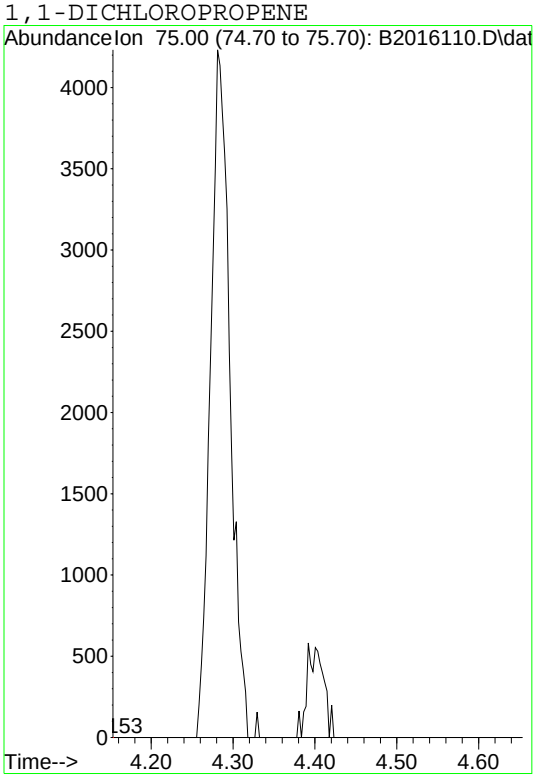
Manual Integration
BROMOCHLOROMETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
1,1-DICHLOROPROPENE



Original Int. Results

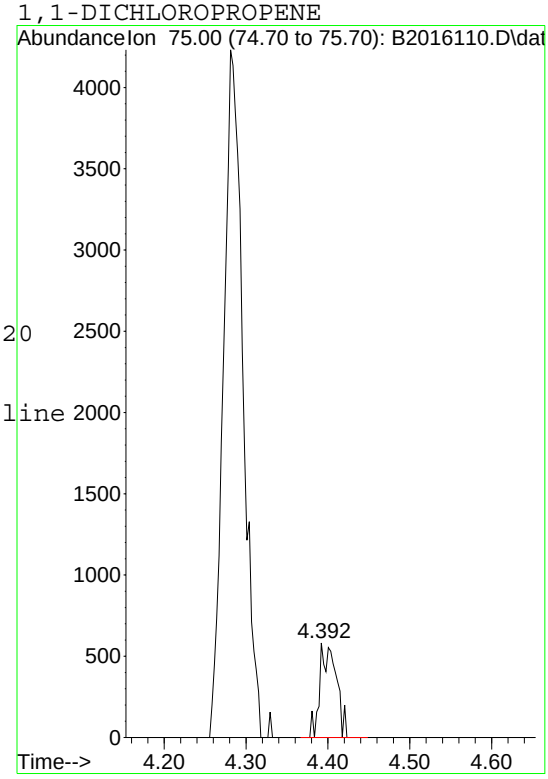
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

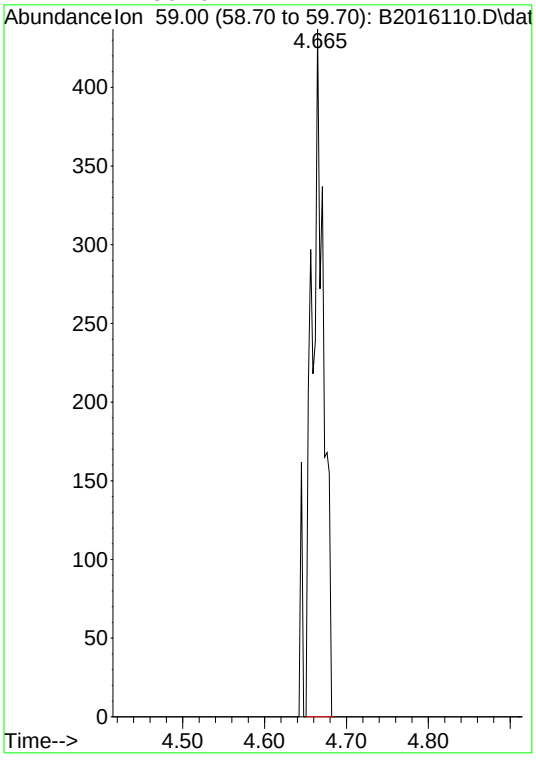
Tue Jun 09 09:48:46 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.39
Area : 805
Amount: 0.415728

Manual Integration
1,1-DICHLOROPROPENE



Original Integration
T-AMYL ALCOHOL



Original Int. Results

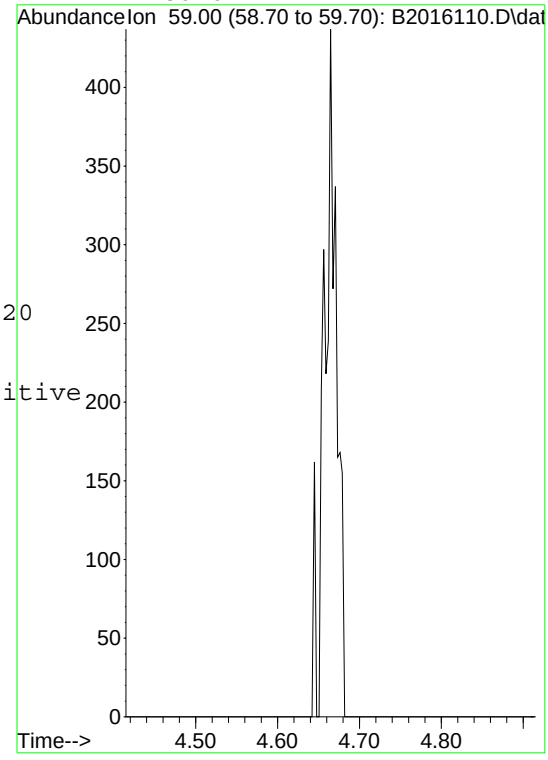
RT : 4.66
Area : 426
Amount: 1.80809

Manual Int. Results

Tue Jun 09 09:48:50 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

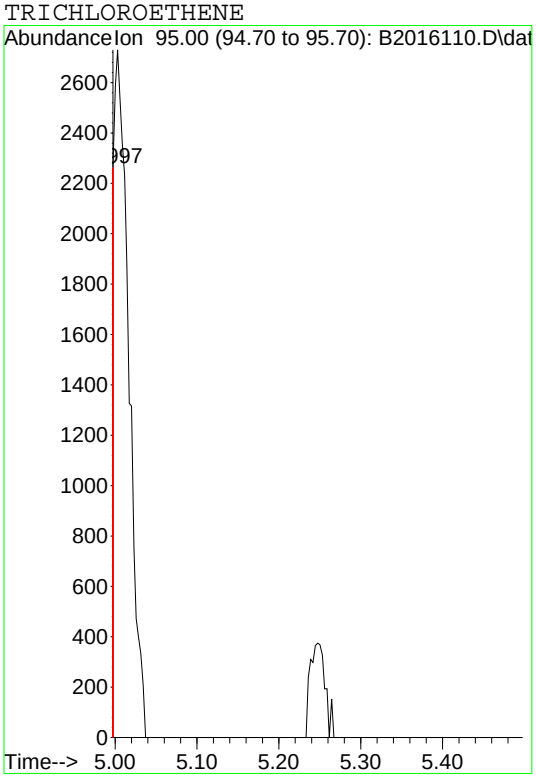
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
TRICHLOROETHENE



Original Int. Results

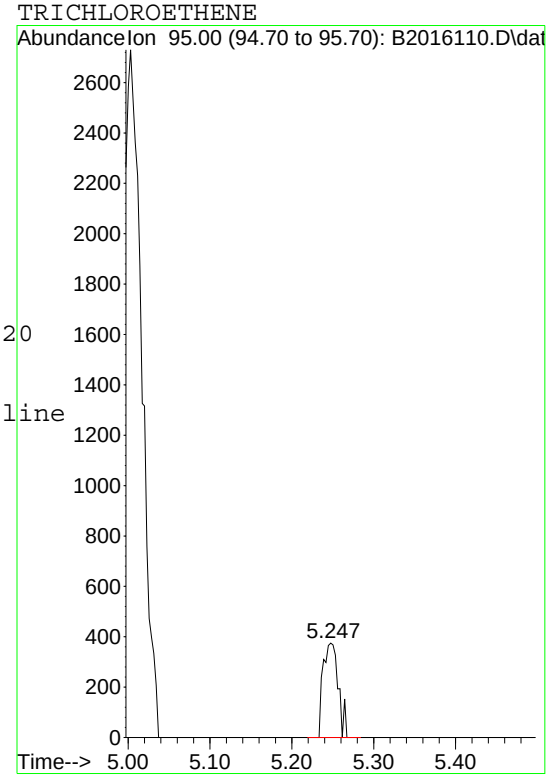
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

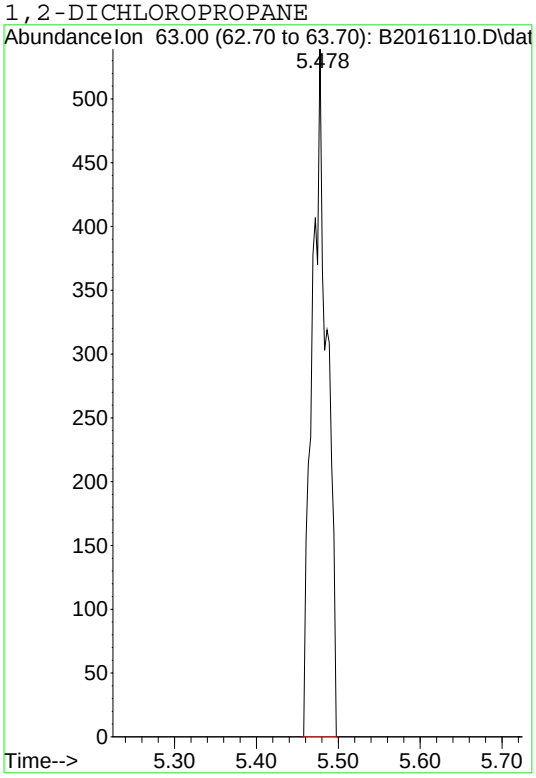
Tue Jun 09 09:48:55 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.25
Area : 481
Amount: 0.309706

Manual Integration
TRICHLOROETHENE



Original Integration
1,2-DICHLOROPROPANE



Original Int. Results

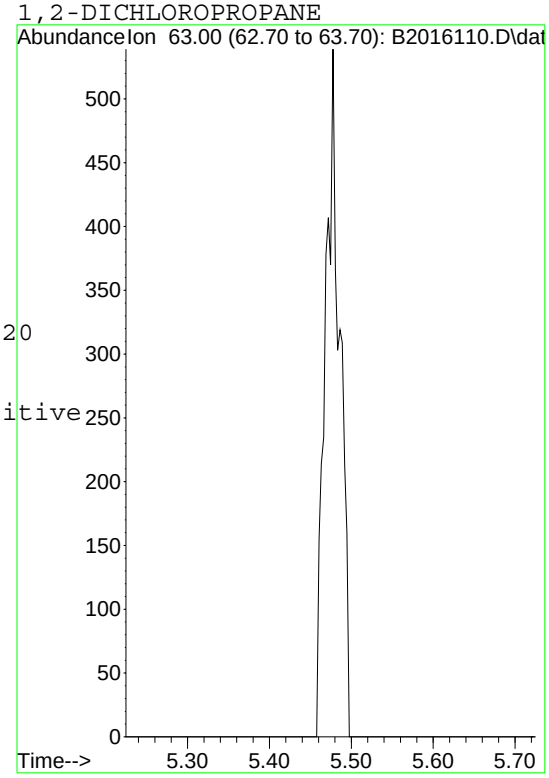
RT : 5.48
Area : 677
Amount: 0.311751

Manual Int. Results

Tue Jun 09 09:49:02 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

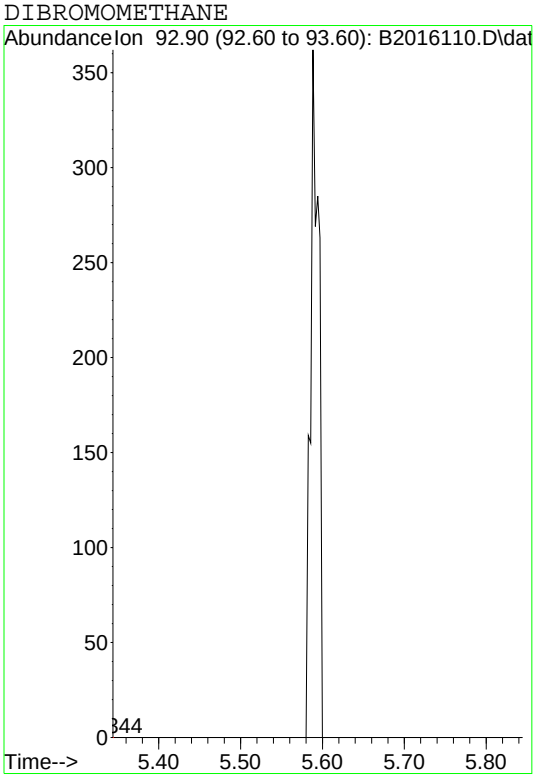
Manual Integration
1,2-DICHLOROPROPANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
DIBROMOMETHANE



Original Int. Results

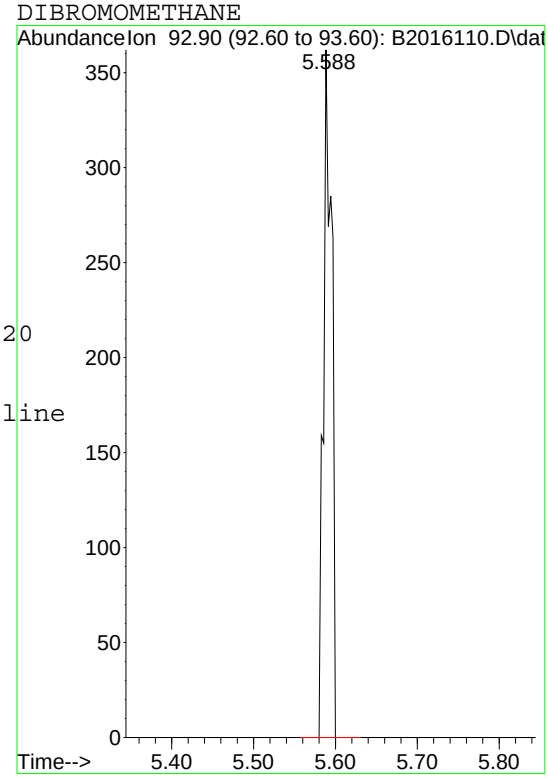
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

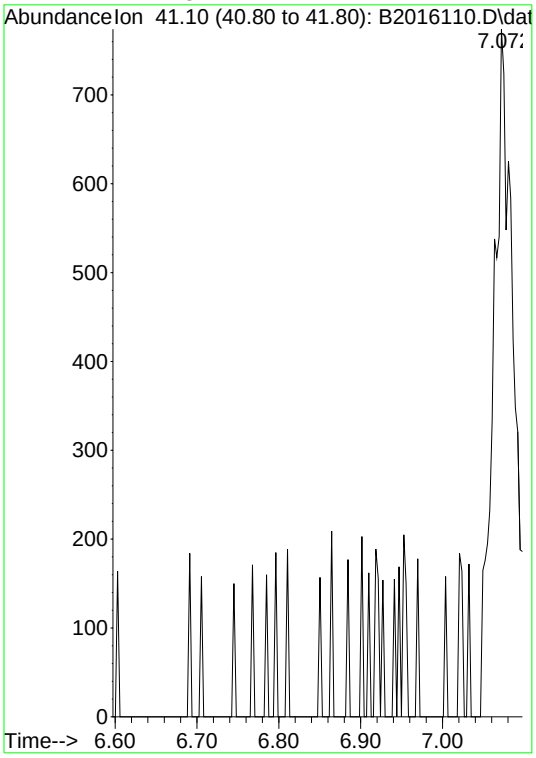
Tue Jun 09 09:49:07 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.59
Area : 255
Amount: 0.250576

Manual Integration
DIBROMOMETHANE



Original Integration
ETHYL METHACRYLATE



Original Int. Results

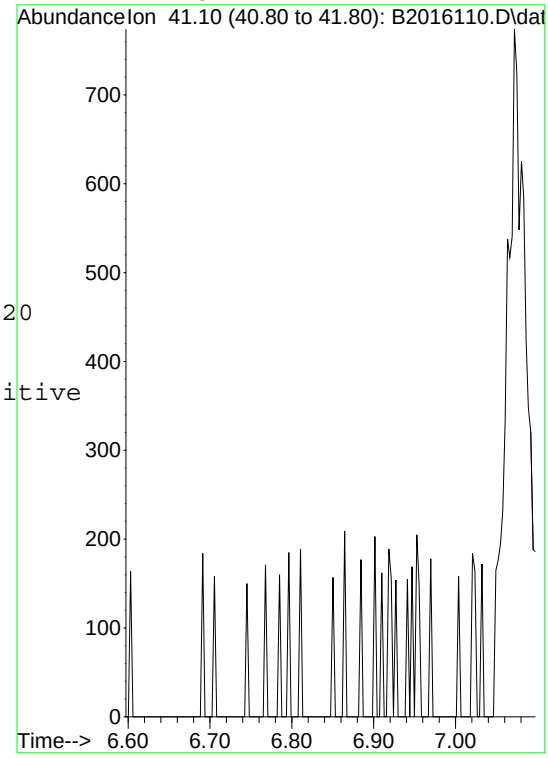
RT : 7.07
Area : 1333
Amount: 0

Manual Int. Results

Tue Jun 09 09:49:16 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

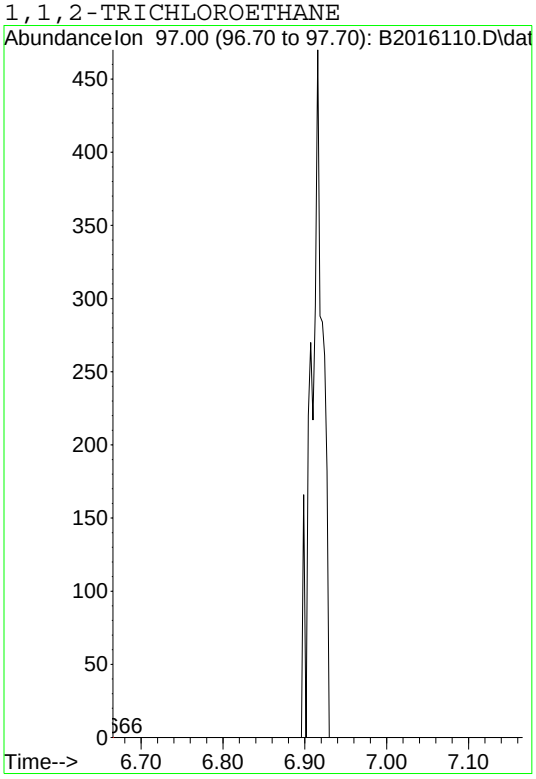
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
1,1,2-TRICHLOROETHANE



Original Int. Results

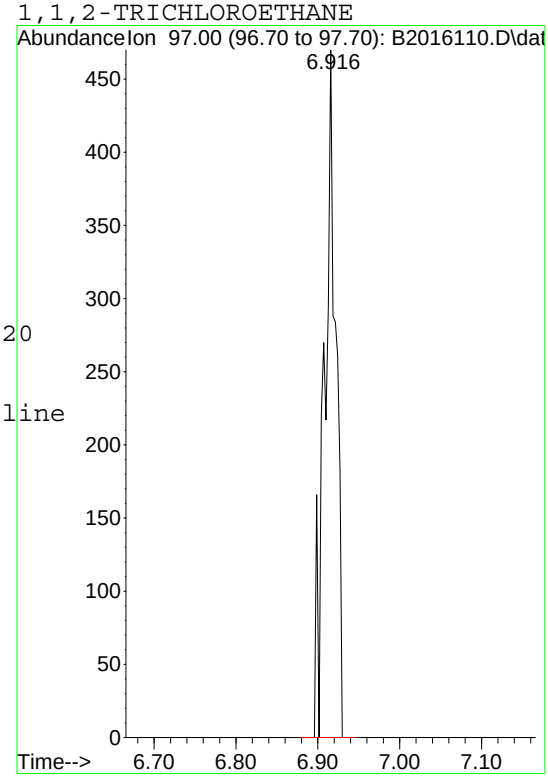
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

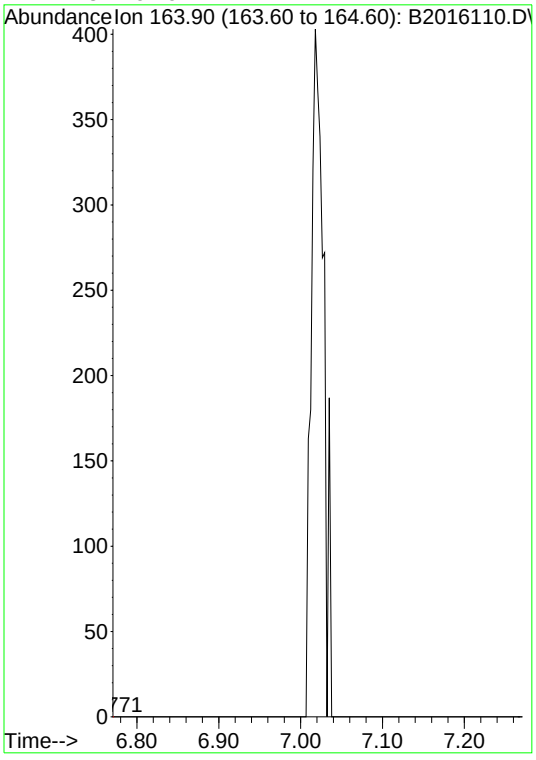
Tue Jun 09 09:49:19 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 6.92
Area : 452
Amount: 0.316075

Manual Integration
1,1,2-TRICHLOROETHANE



Original Integration
TETRACHLOROETHENE



Original Int. Results

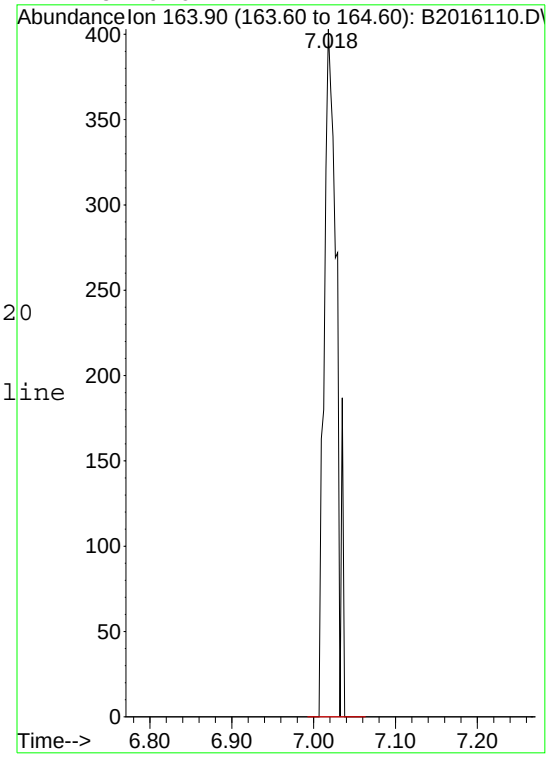
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 09:50:42 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 7.02
Area : 427
Amount: 0.291478

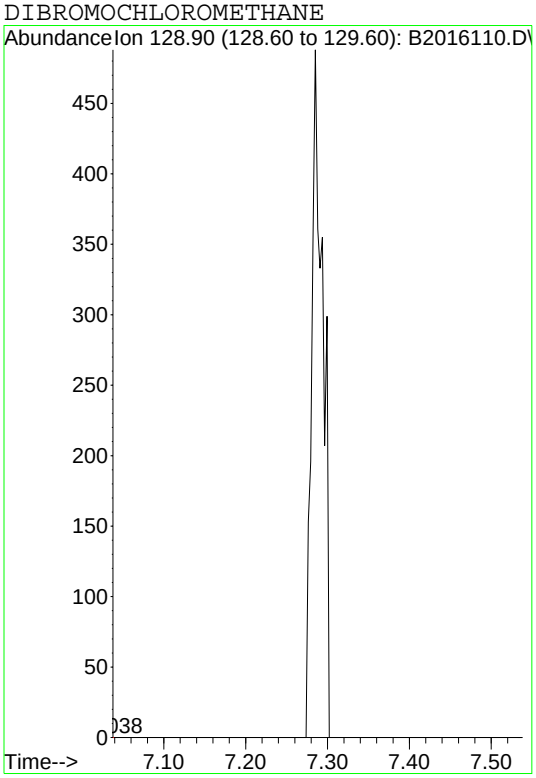
Manual Integration
TETRACHLOROETHENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
DIBROMOCHLOROMETHANE



Original Int. Results

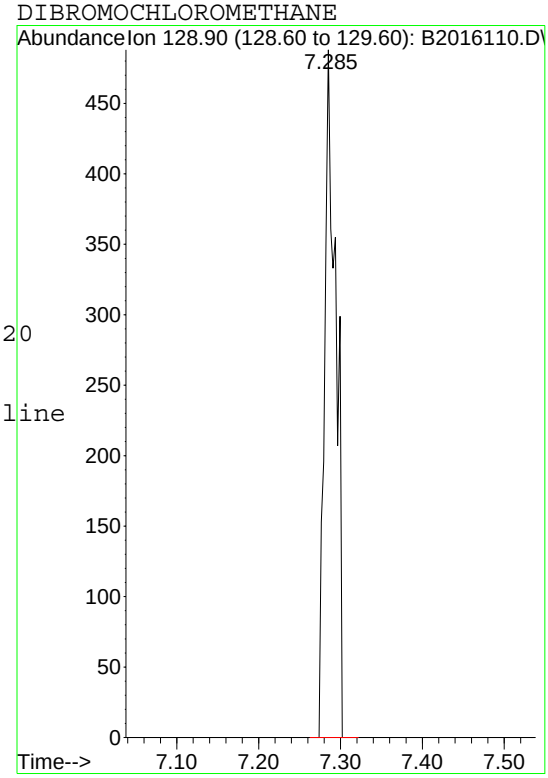
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

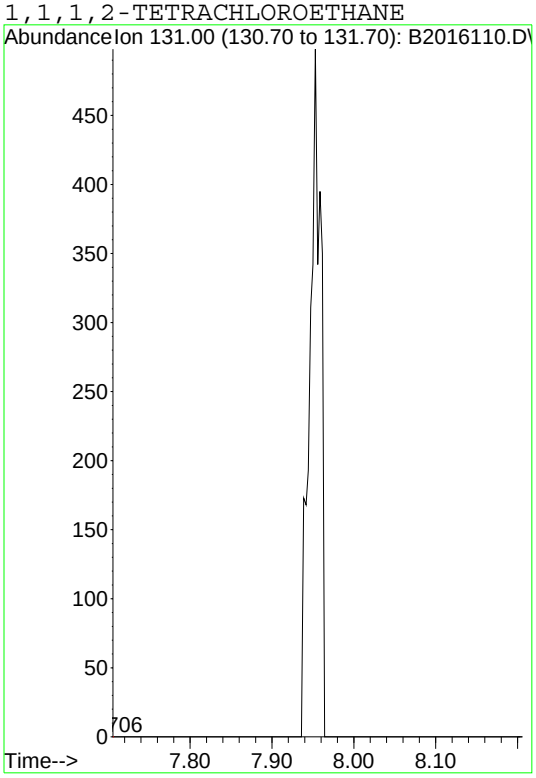
Tue Jun 09 09:50:48 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 7.29
Area : 468
Amount: 0.257227

Manual Integration
DIBROMOCHLOROMETHANE



Original Integration
1,1,1,2-TETRACHLOROETHANE



Original Int. Results

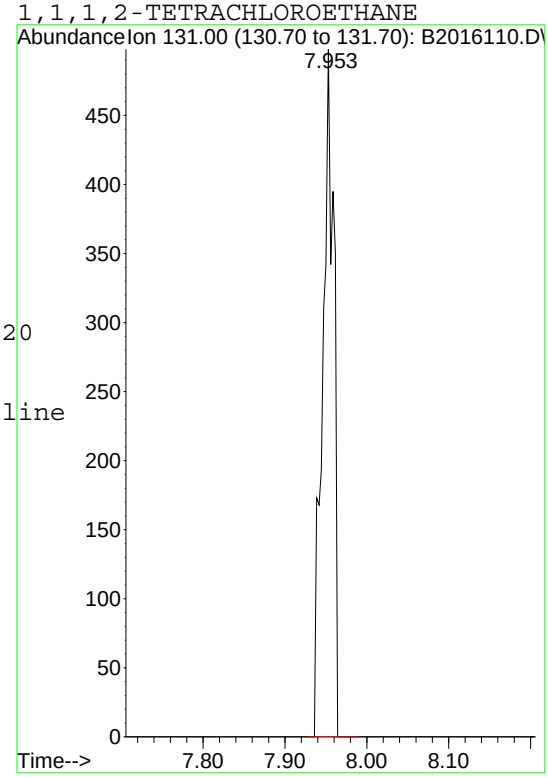
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 09:50:53 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 7.95
Area : 473
Amount: 0.285706

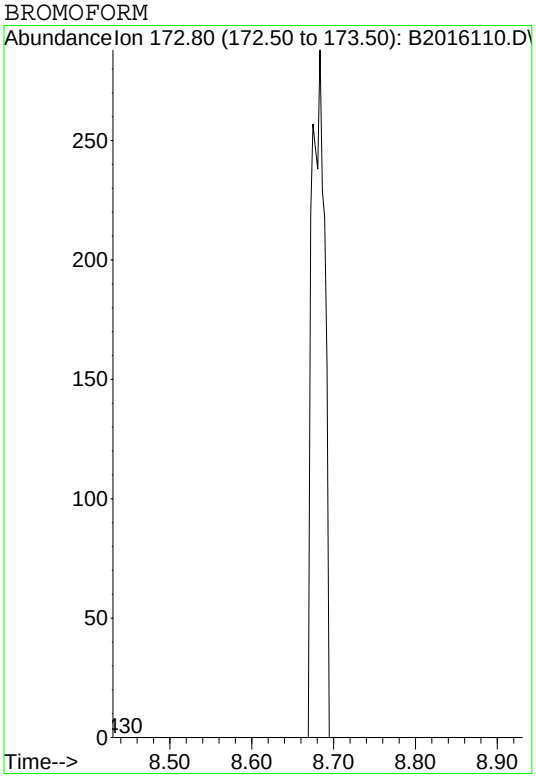
Manual Integration
1,1,1,2-TETRACHLOROETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
BROMOFORM



Original Int. Results

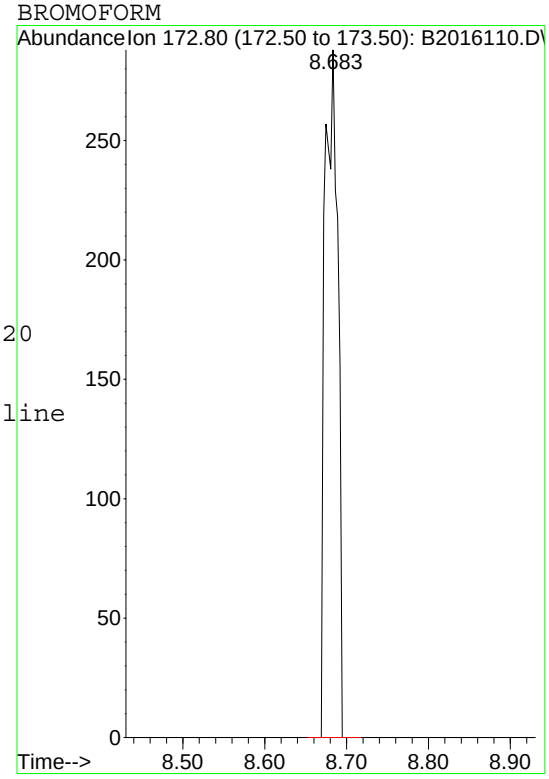
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

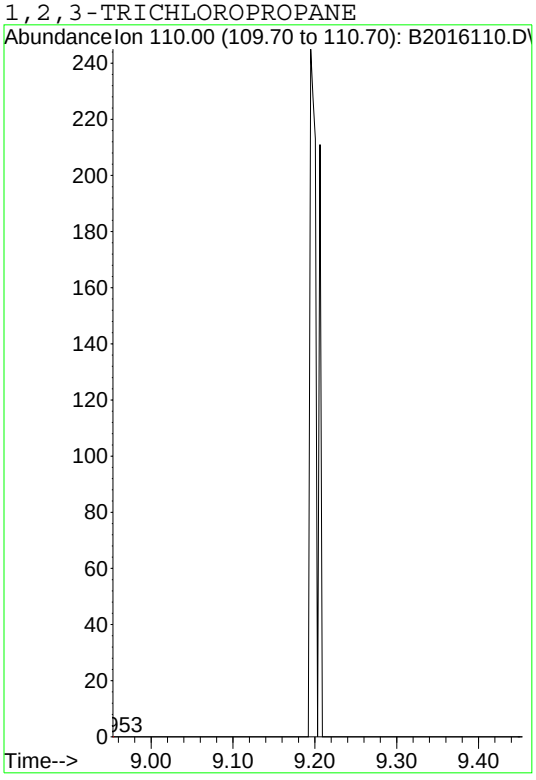
Tue Jun 09 09:50:58 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 8.68
Area : 316
Amount: 0.243257

Manual Integration
BROMOFORM



Original Integration
1,2,3-TRICHLOROPROPANE



Original Int. Results

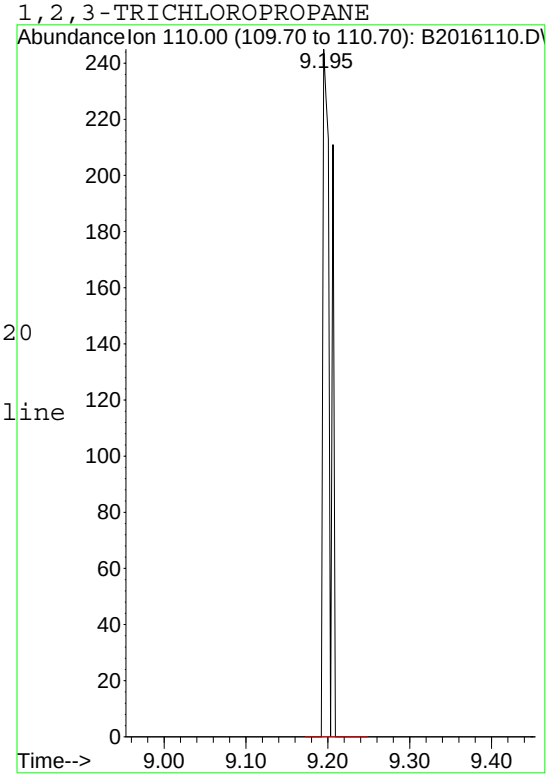
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 09:51:06 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 9.19
Area : 153
Amount: 0.22789

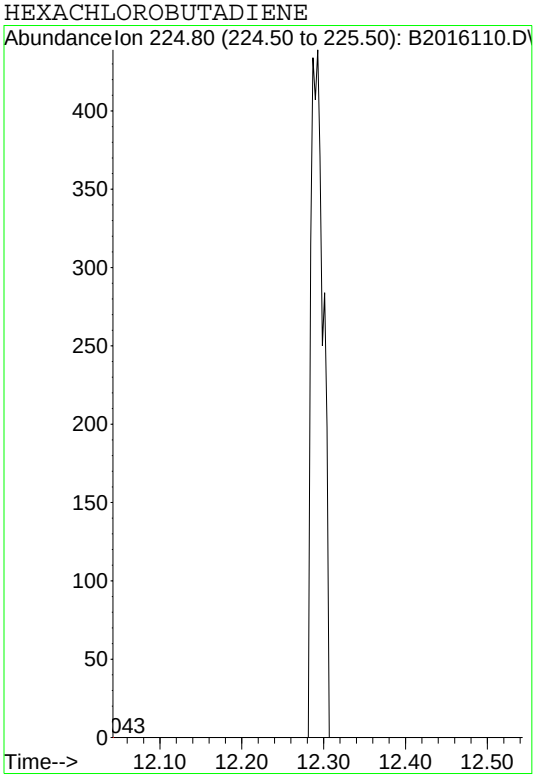
Manual Integration
1,2,3-TRICHLOROPROPANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068
Misc :

Quant Time : Tue Jun 09 09:51:55 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

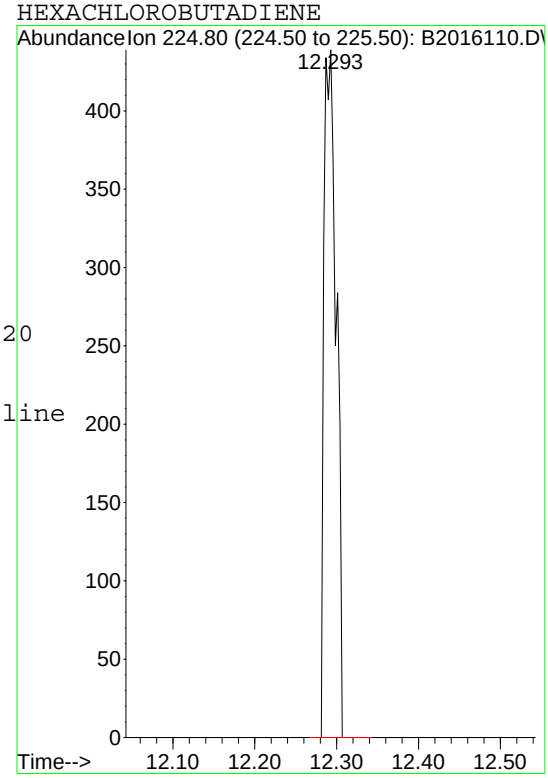
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 09:51:17 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 12.29
Area : 460
Amount: 0.299081

Manual Integration
HEXACHLOROBUTADIENE



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 06:17:10 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.284	168	93997	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	155391	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	85609	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85945	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	62356	27.09	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.36%				
45) TOLUENE-D8 SS	6.435	98	161985	25.79	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.16%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	65779	24.80	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.132	85	915	0.43	UG/L	#	43
4) DIFLUOROCHLOROMETHANE	1.141	51	1334	0.34	UG/L		100
5) CHLOROMETHANE	1.243	50	2824	0.49	UG/L		94
6) VINYL CHLORIDE	1.308	62	1022	0.37	UG/L	#	48
8) CHLOROETHANE	1.578	64	621	0.49	UG/L		94
9) FLUORODICHLOROMETHANE	1.701	67	1366	0.50	UG/L		89
10) TRICHLOROFLUOROMETHANE	1.735	101	1024	0.40	UG/L		91
11) ETHANOL	1.865	45	206	60.64	UG/L	#	26
13) ACROLEIN	2.033	56	2576	4.36	UG/L	#	77
14) ACETONE	2.147	43	3360	3.70	UG/L		97
15) 1,1-DICHLOROETHENE	2.093	61	1009	0.35	UG/L	#	65
17) IODOMETHANE	2.218	142	1186	0.61	UG/L		94
18) METHYL ACETATE	2.400	43	611	0.20	UG/L	#	73
19) T-BUTYL ALCOHOL	2.602	59	859	2.69	UG/L	#	58
21) METHYLENE CHLORIDE	2.485	49	1183	0.29	UG/L	#	63
22) CARBON DISULFIDE	2.266	76	17653	4.52	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	1551	0.39	UG/L	#	35
24) TRANS 1,2-DICHLOROETHENE	2.721	61	960	0.33	UG/L	#	37
25) 1,1-DICHLOROETHANE	3.153	63	1221	0.36	UG/L	#	53
26) VINYL ACETATE	3.213	43	21537	3.12	UG/L	#	95
27) DI ISOPROPYL ETHER	3.221	45	2692	0.28	UG/L	#	68
28) 2-BUTANONE	3.781	43	4878	3.26	UG/L	#	92
29) T-BUTYL ETHYL ETHER	3.585	59	2243	0.30	UG/L		95
30) CIS-1,2-DICHLOROETHENE	3.744	61	1132	0.33	UG/L	#	76
31) 2,2-DICHLOROPROPANE	3.733	77	934	0.44	UG/L	#	48
35) T-BUTYL FORMATE	4.125	59	595	0.28	UG/L	#	31
36) CHLOROFORM	4.079	83	1076	0.43	UG/L		89
37) 1,1,1-TRICHLOROETHANE	4.230	97	917	0.40	UG/L		92
38) CYCLOHEXANE	4.281	56	4226	0.79	UG/L	#	65
39) CARBON TETRACHLORIDE	4.398	117	878	0.42	UG/L		86
41) BENZENE	4.608	78	2595	0.48	UG/L		95
42) T-AMYL ALCOHOL	4.665	59	426	2.11	UG/L	#	81
43) T-AMYLMETHYL ETHER	4.733	73	1630	0.41	UG/L	#	37
46) 1,2-DICHLOROETHANE	4.645	62	896	0.28	UG/L	#	42
48) METHYLCYCLOHEXANE	5.418	83	1172	0.42	UG/L	#	78
49) 1,2-DICHLOROPROPANE	5.478	63	677	0.31	UG/L	#	26
52) BROMODICHLOROMETHANE	5.756	83	726	0.33	UG/L	#	25
53) 2-CHLOROETHYLVINYLETHER	6.063	63	1395	0.79	UG/L	#	76
54) MIBK	6.356	43	9867	2.79	UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.194	75	926	0.35	UG/L	#	76
56) TOLUENE	6.501	91	2732	0.39	UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	731	0.31	UG/L	#	64
60) 2-HEXANONE	7.171	43	7412	2.84	UG/L	#	93

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 3 Sample Multiplier: 1

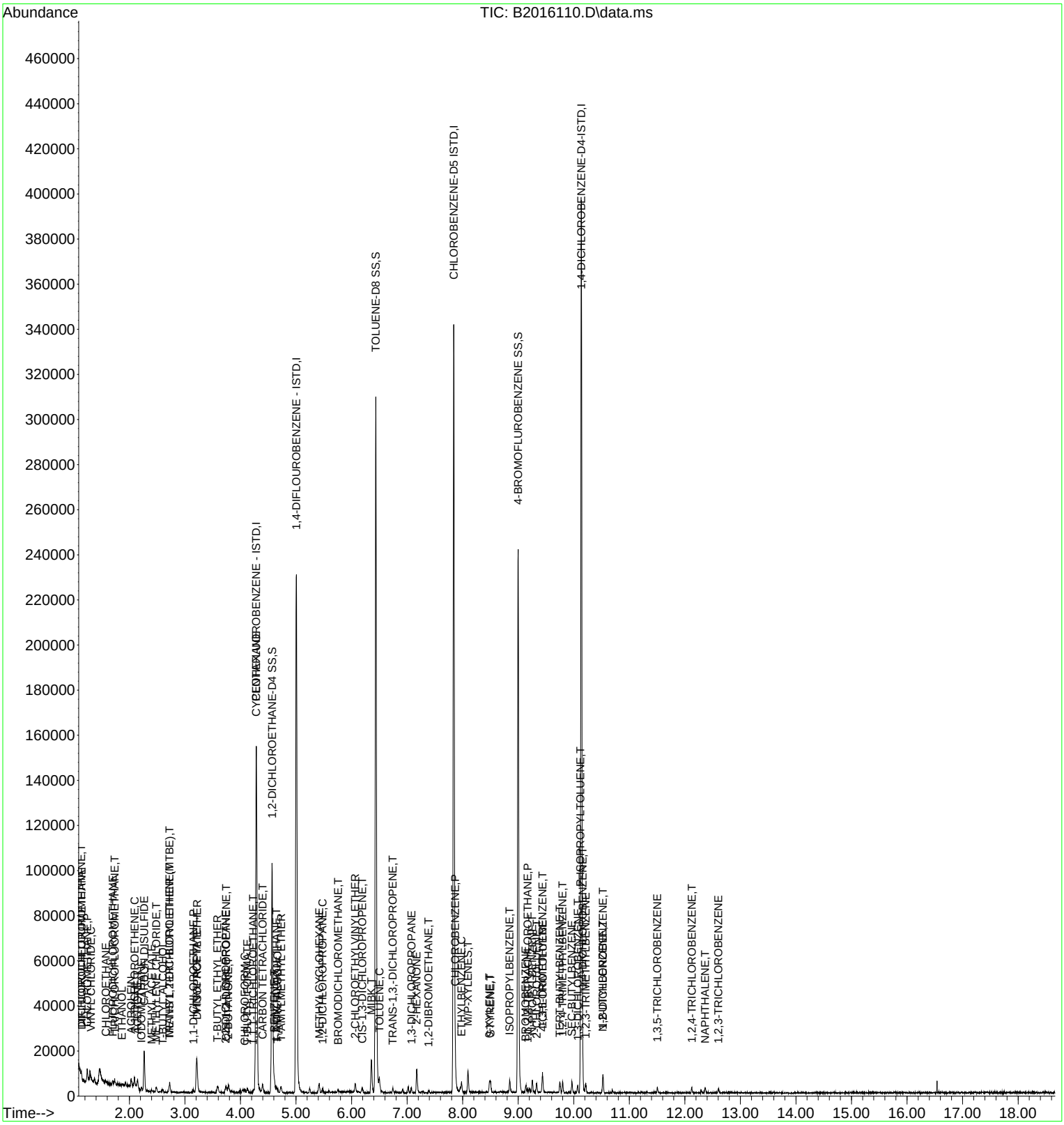
Quant Time: Jun 10 06:17:10 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
62) 1,3-DICHLOROPROPANE	7.078	76	878	0.35	UG/L	#	71
64) 1,2-DIBROMOETHANE	7.387	107	500	0.31	UG/L	#	4
67) CHLOROBENZENE	7.865	112	1751	0.39	UG/L	#	48
69) ETHYLBENZENE	7.979	91	3288	0.42	UG/L		94
70) M/P-XYLENES	8.095	91	5048	0.82	UG/L		97
71) 0-XYLENE	8.479	91	2416	0.37	UG/L		98
72) STYRENE	8.501	104	1807	0.36	UG/L	#	70
74) ISOPROPYLBENZENE	8.845	105	3287	0.41	UG/L		94
76) 1,1,2,2-TETRACHLOROETHANE	9.169	83	767	0.37	UG/L	#	26
78) BROMOBENZENE	9.132	77	1167	0.41	UG/L	#	82
80) N-PROPYLBENZENE	9.255	91	3921	0.40	UG/L		93
81) 2-CHLOROT0LUENE	9.331	91	2415	0.43	UG/L		94
82) 1,3,5-TRIMETHYLBENZENE	9.436	105	2747	0.40	UG/L		100
83) 4-CHLOROTOLUENE	9.442	91	2594	0.39	UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	2067	0.39	UG/L		89
86) 1,2,4-TRIMETHYLBENZENE	9.797	105	2668	0.43	UG/L		98
87) SEC-BUTYLBENZENE	9.965	105	3341	0.43	UG/L		97
88) 1,3-DICHLOROBENZENE	10.073	146	1458	0.42	UG/L	#	75
89) P-ISOPROPYLTOLUENE	10.119	119	2841	0.43	UG/L	#	86
90) 1,4-DICHLOROBENZENE	10.161	146	1516	0.42	UG/L	#	63
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	2523	0.42	UG/L	#	100
92) N-BUTYLBENZENE	10.522	91	2691	0.43	UG/L	#	95
93) 1,2-DICHLOROBENZENE	10.525	146	1427	0.43	UG/L		88
95) 1,3,5-TRICHLOROBENZENE	11.503	180	1074	0.38	UG/L		98
96) 1,2,4-TRICHLOROBENZENE	12.125	180	759	0.31	UG/L	#	75
98) NAPHTHALENE	12.367	128	2247	0.38	UG/L	#	69
99) 1,2,3-TRICHLOROBENZENE	12.605	180	773	0.33	UG/L		93

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016110.D
Acq On : 9 Jun 2020 9:20 am
Operator :
Sample : 8260 STD 0.4 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 10 06:17:10 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92450	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	152118	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83458	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85564	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	61522	27.17	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.68%				
45) TOLUENE-D8 SS	6.435	98	159808	25.99	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.96%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64138	24.80	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.132	85	978	0.46	UG/L	#	43
4) DIFLUOROCHLOROMETHANE	1.141	51	1426	0.36	UG/L		100
5) CHLOROMETHANE	1.240	50	3096	0.54	UG/L		95
6) VINYL CHLORIDE	1.314	62	1159	0.43	UG/L	#	48
8) CHLOROETHANE	1.576	64	581	0.47	UG/L		93
9) FLUORODICHLOROMETHANE	1.701	67	1595	0.59	UG/L	#	88
10) TRICHLOROFLUOROMETHANE	1.732	101	1244	0.49	UG/L		98
12) DI ETHYL ETHER	1.928	59	644	0.38	UG/L	#	70
13) ACROLEIN	2.036	56	2774	4.77	UG/L	#	86
14) ACETONE	2.147	43	4601m	5.15	UG/L		
15) 1,1-DICHLOROETHENE	2.099	61	1240	0.43	UG/L	#	66
16) 1,1,2-TRICL-1,2,2-TRIF...	2.096	101	580	0.50	UG/L	#	7
17) IODOMETHANE	2.218	142	1436	0.74	UG/L		98
20) ACRYLONITRILE	2.727	53	308m	0.26	UG/L		
21) METHYLENE CHLORIDE	2.488	49	1443	0.36	UG/L	#	63
22) CARBON DISULFIDE	2.269	76	21002	5.47	UG/L		98
23) METHYL TERT-BUTYL ETHE...	2.729	73	1968	0.51	UG/L	#	87
24) TRANS 1,2-DICHLOROETHENE	2.727	61	1159	0.41	UG/L	#	77
25) 1,1-DICHLOROETHANE	3.156	63	1545	0.46	UG/L	#	53
26) VINYL ACETATE	3.213	43	26971	3.97	UG/L	#	96
27) DI ISOPROPYL ETHER	3.221	45	3653	0.38	UG/L	#	68
28) 2-BUTANONE	3.784	43	5764m	3.92	UG/L		
29) T-BUTYL ETHYL ETHER	3.588	59	2672	0.37	UG/L		94
30) CIS-1,2-DICHLOROETHENE	3.744	61	1358m	0.41	UG/L		
31) 2,2-DICHLOROPROPANE	3.741	77	1245	0.60	UG/L	#	48
33) BROMOCHLOROMETHANE	3.988	128	241m	0.38	UG/L		
35) T-BUTYL FORMATE	4.125	59	855	0.38	UG/L	#	88
36) CHLOROFORM	4.079	83	1364	0.56	UG/L		94
37) 1,1,1-TRICHLOROETHANE	4.239	97	1064	0.47	UG/L	#	55
38) CYCLOHEXANE	4.284	56	4339	0.82	UG/L	#	63
39) CARBON TETRACHLORIDE	4.395	117	1037	0.50	UG/L		90
40) 1,1-DICHLOROPROPENE	4.403	75	921	0.48	UG/L	#	41
41) BENZENE	4.611	78	3042	0.58	UG/L		95
42) T-AMYL ALCOHOL	4.665	59	753	3.25	UG/L	#	74
43) T-AMYLMETHYL ETHER	4.725	73	1851	0.48	UG/L	#	77
46) 1,2-DICHLOROETHANE	4.648	62	1203	0.38	UG/L	#	42
47) TRICHLOROETHENE	5.250	95	769	0.51	UG/L		91
48) METHYLCYCLOHEXANE	5.418	83	1205	0.44	UG/L	#	81
49) 1,2-DICHLOROPROPANE	5.478	63	810	0.38	UG/L	#	65
50) DIBROMOMETHANE	5.600	93	329m	0.33	UG/L		
52) BROMODICHLOROMETHANE	5.753	83	951	0.44	UG/L	#	91
53) 2-CHLOROETHYLVINYLETHER	6.066	63	1850	1.07	UG/L		83
54) MIBK	6.359	43	11989	3.46	UG/L	#	99

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 4 Sample Multiplier: 1

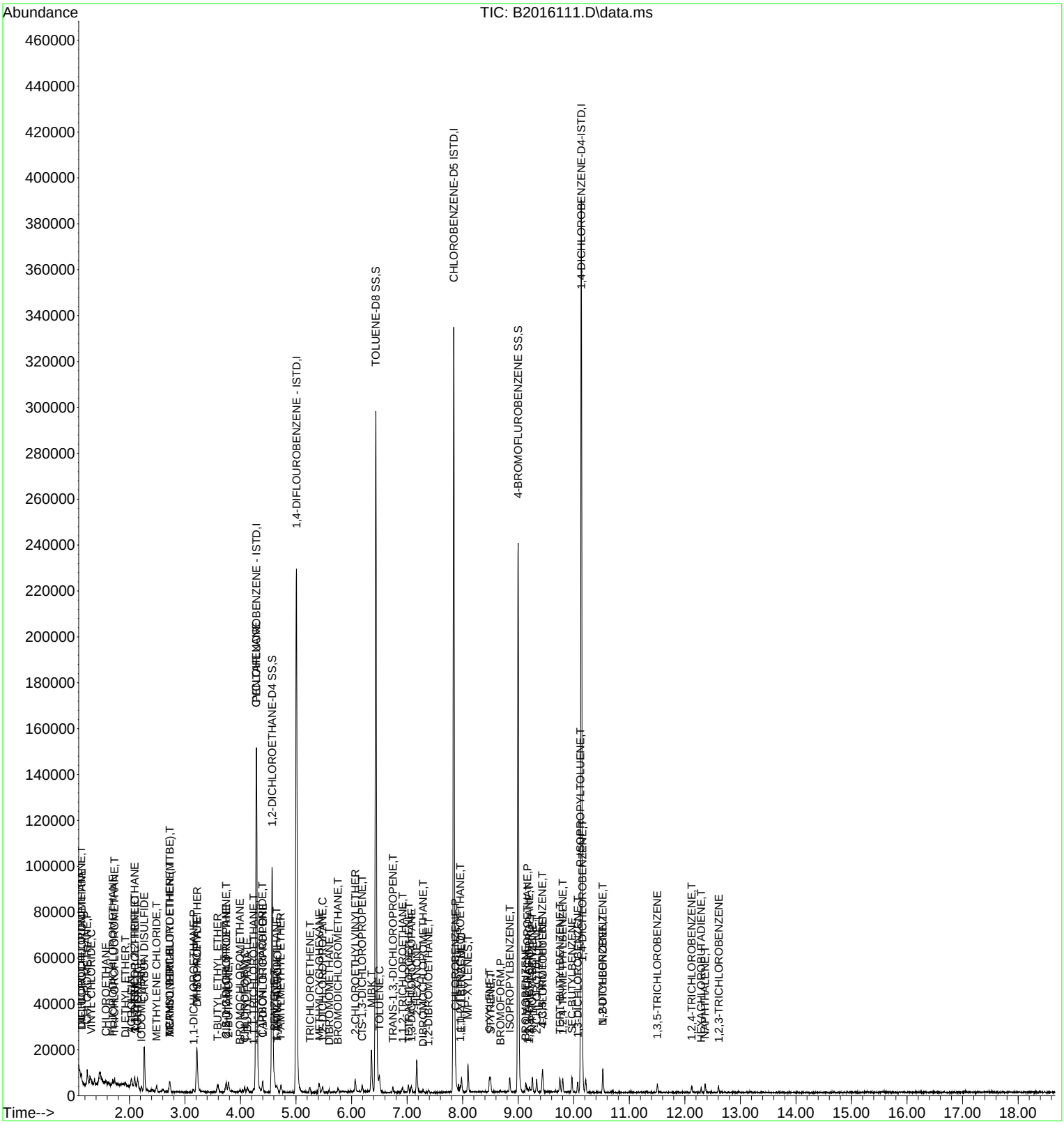
Quant Time: Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) CIS-1,3-DICHLOROPROPENE	6.188	75	1151	0.44	UG/L	#	79
56) TOLUENE	6.501	91	3443	0.50	UG/L		98
57) TRANS-1,3,-DICHLOROPRO...	6.745	75	1019	0.45	UG/L	#	81
59) 1,1,2-TRICHLOROETHANE	6.919	97	585	0.42	UG/L	#	15
60) 2-HEXANONE	7.174	43	9223	3.61	UG/L		94
61) TETRACHLOROETHENE	7.029	164	566	0.39	UG/L	#	66
62) 1,3-DICHLOROPROPANE	7.081	76	1062	0.43	UG/L	#	88
63) DIBROMOCHLOROMETHANE	7.291	129	662	0.37	UG/L	#	11
64) 1,2-DIBROMOETHANE	7.385	107	630	0.40	UG/L	#	100
67) CHLOROBENZENE	7.871	112	2161	0.50	UG/L	#	48
68) 1,1,1,2-TETRACHLOROETHANE	7.959	131	672	0.42	UG/L	#	69
69) ETHYLBENZENE	7.979	91	3880	0.51	UG/L		94
70) M/P-XYLENES	8.095	91	5797	0.96	UG/L		99
71) 0-XYLENE	8.482	91	3110	0.49	UG/L		94
72) STYRENE	8.504	104	2286	0.47	UG/L	#	48
73) BROMOFORM	8.681	173	348m	0.27	UG/L		
74) ISOPROPYLBENZENE	8.848	105	3671	0.47	UG/L		100
76) 1,1,2,2-TETRACHLOROETHANE	9.167	83	924	0.46	UG/L	#	26
78) BROMOBENZENE	9.132	77	1371	0.49	UG/L		88
79) 1,2,3-TRICHLOROPROPANE	9.201	110	245m	0.37	UG/L		
80) N-PROPYLBENZENE	9.255	91	4825	0.50	UG/L		95
81) 2-CHLOROT0LUENE	9.331	91	2841	0.51	UG/L		95
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	3157	0.47	UG/L		98
83) 4-CHLOROTOLUENE	9.442	91	3183	0.49	UG/L		96
85) TERT-BUTYLBENZENE	9.752	119	2749	0.52	UG/L		94
86) 1,2,4-TRIMETHYLBENZENE	9.803	105	3051	0.50	UG/L		99
87) SEC-BUTYLBENZENE	9.968	105	4105	0.53	UG/L		95
88) 1,3-DICHLOROBENZENE	10.073	146	1786	0.51	UG/L		94
89) P-ISOPROPYLTOLUENE	10.119	119	3611	0.55	UG/L	#	95
90) 1,4-DICHLOROBENZENE	10.158	146	1938	0.54	UG/L	#	61
91) N-BUTYLBENZENE	10.519	91	3326	0.53	UG/L		95
92) 1,2-DICHLOROBENZENE	10.522	146	1787	0.54	UG/L		94
94) 1,3,5-TRICHLOROBENZENE	11.505	180	1201	0.43	UG/L		84
95) 1,2,4-TRICHLOROBENZENE	12.122	180	1112	0.45	UG/L	#	83
96) HEXACHLOROBUTADIENE	12.293	225	487m	0.32	UG/L		
97) NAPHTHALENE	12.367	128	2921	0.50	UG/L	#	69
98) 1,2,3-TRICHLOROBENZENE	12.611	180	1033	0.45	UG/L		94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 4 Sample Multiplier: 1

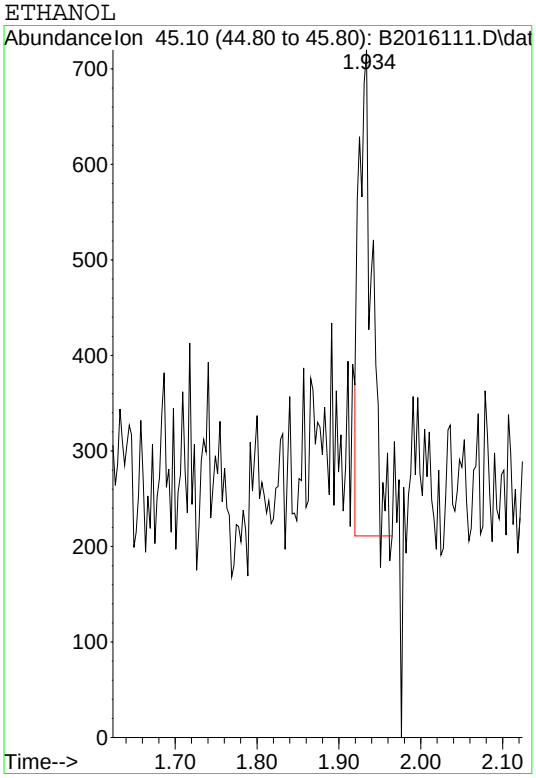
Quant Time: Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

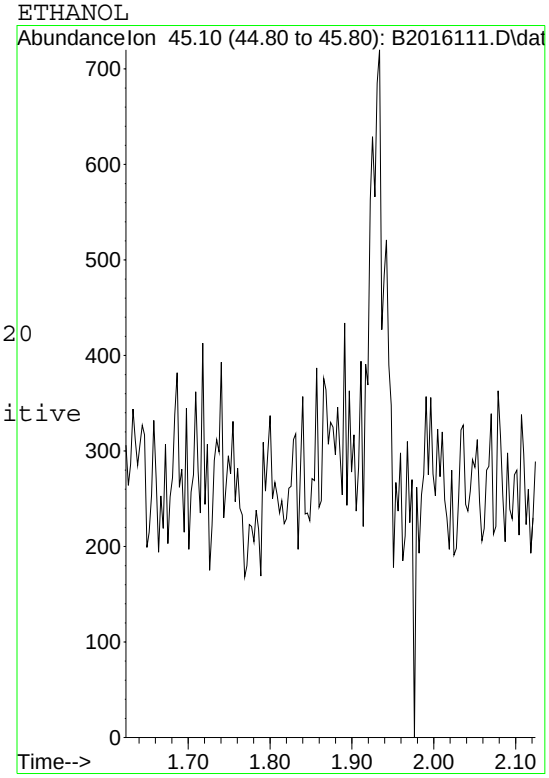
RT : 1.93
Area : 568
Amount: 67.5075

Manual Int. Results

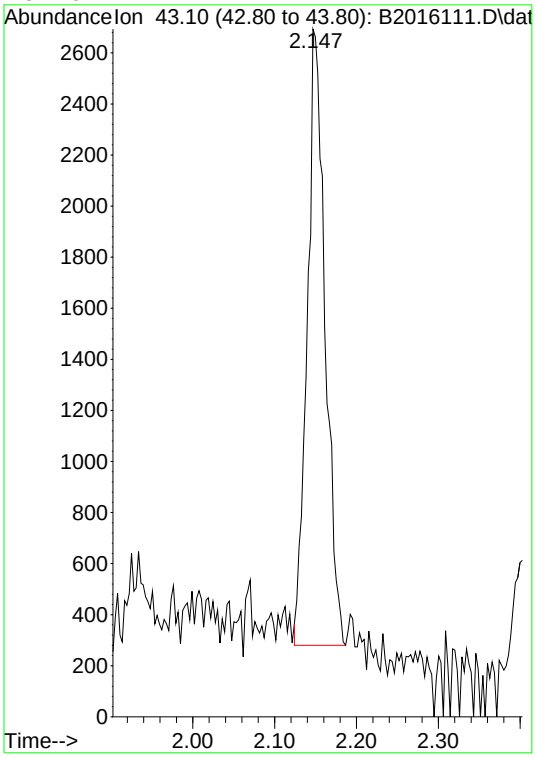
Tue Jun 09 10:36:00 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
ACETONE



Original Int. Results

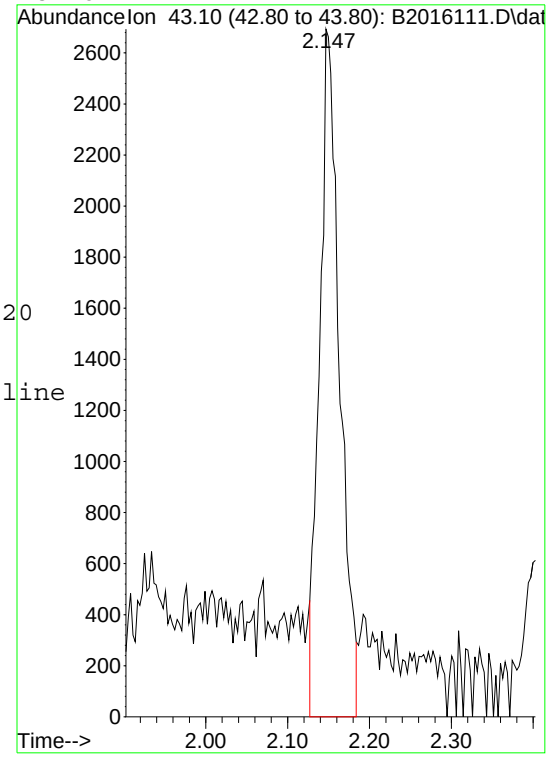
RT : 2.15
Area : 3675
Amount: 4.11057

Manual Int. Results

Tue Jun 09 10:36:09 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.15
Area : 4601
Amount: 5.14632

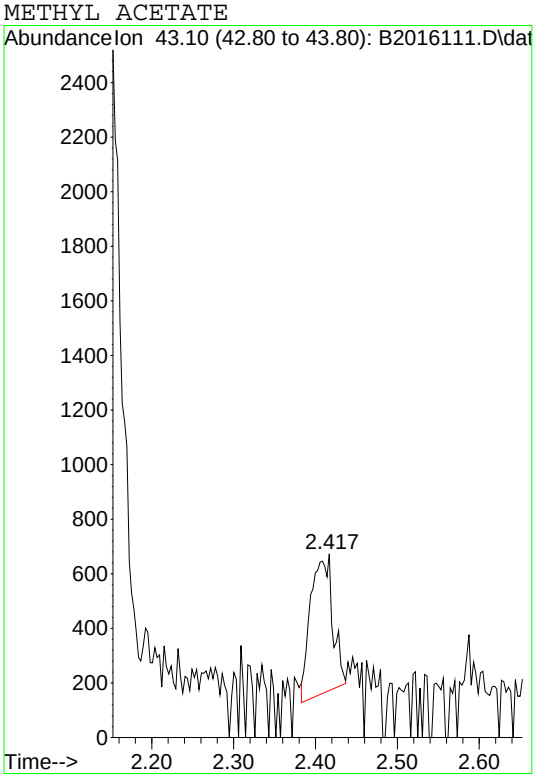
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
METHYL ACETATE



Original Int. Results

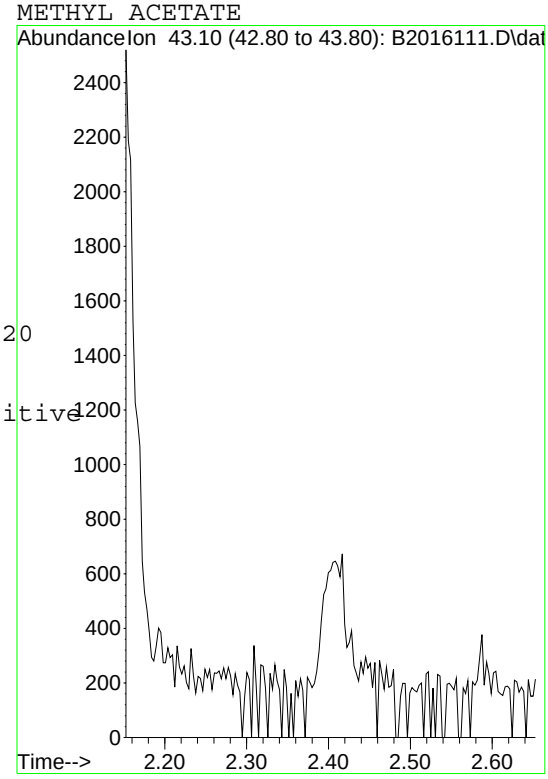
RT : 2.42
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Amount: 0.311642

Manual Int. Results

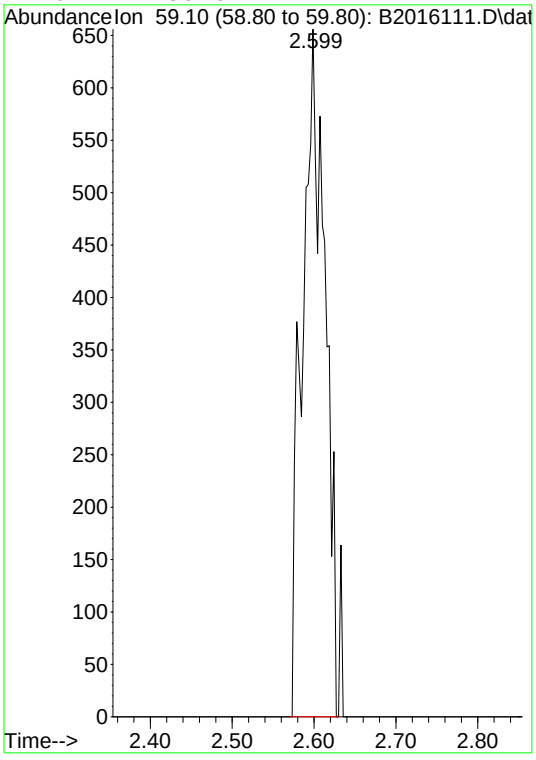
Tue Jun 09 10:36:17 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
METHYL ACETATE



Original Integration
T-BUTYL ALCOHOL



Original Int. Results

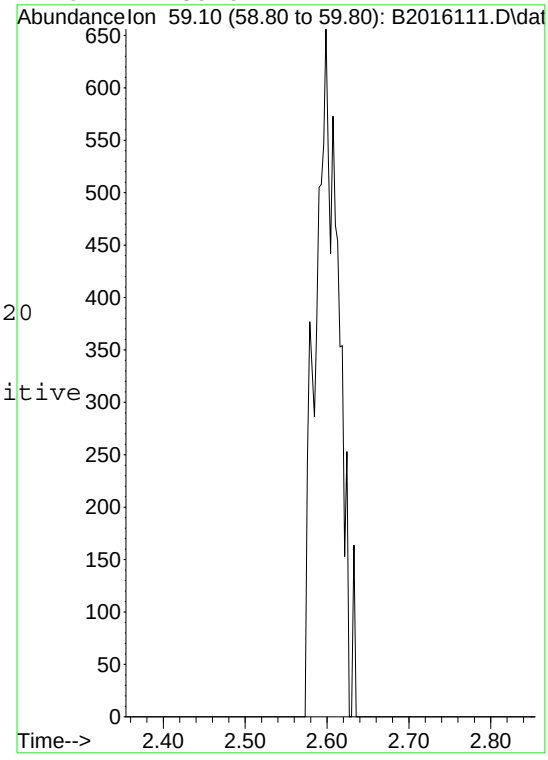
RT : 2.60
Area : 1263
Amount: 4.02336

Manual Int. Results

Tue Jun 09 10:36:35 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

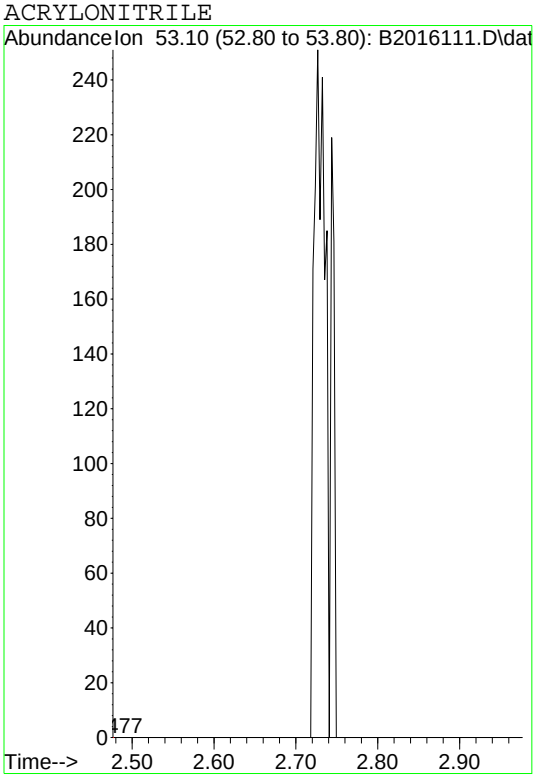
Manual Integration
T-BUTYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ACRYLONITRILE



Original Int. Results

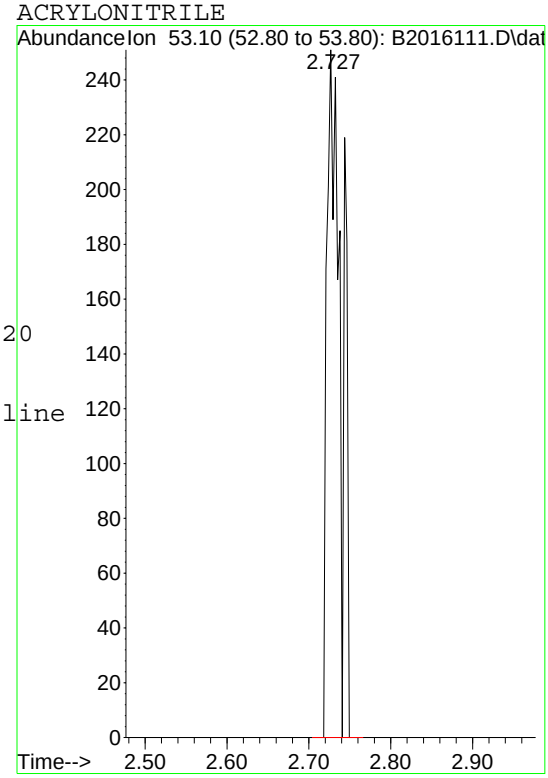
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

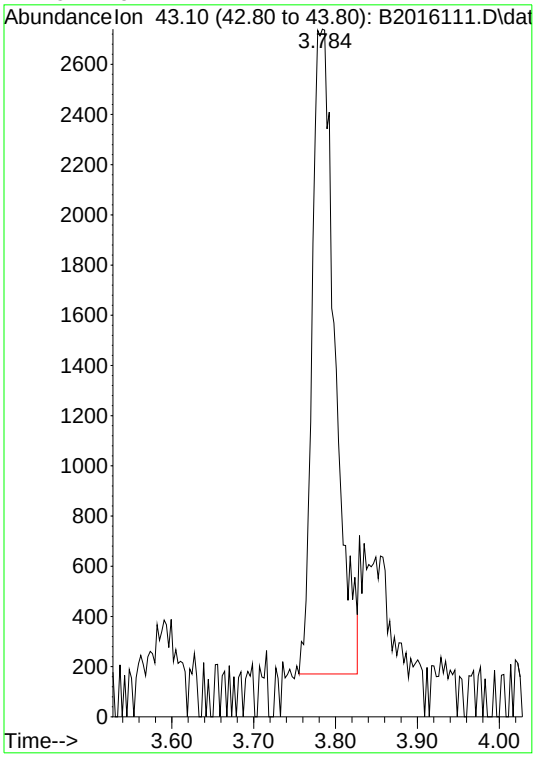
Tue Jun 09 10:36:40 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.73
Area : 308
Amount: 0.258467

Manual Integration
ACRYLONITRILE



Original Integration
2-BUTANONE



Original Int. Results

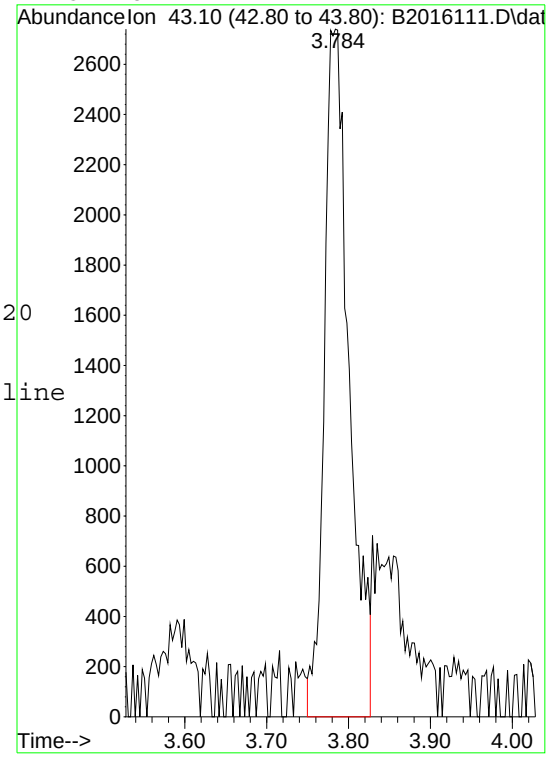
RT : 3.78
Area : 4971
Amount: 3.37764

Manual Int. Results

Tue Jun 09 10:36:48 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.78
Area : 5764
Amount: 3.91646

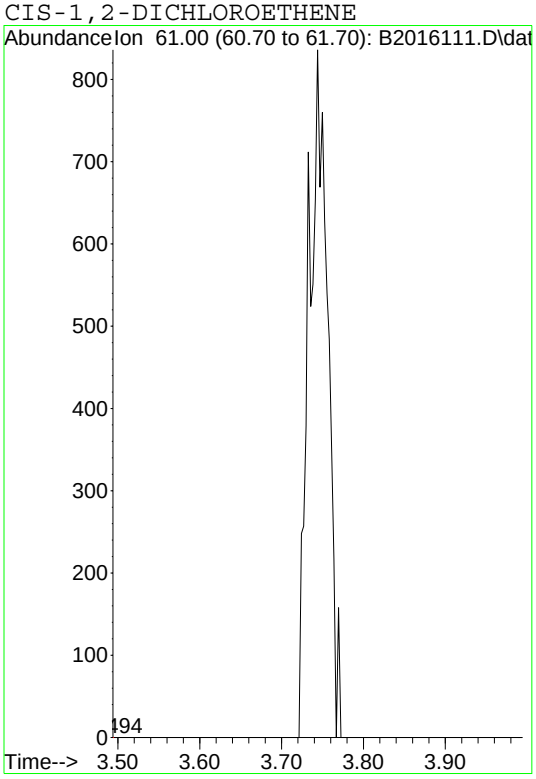
Manual Integration
2-BUTANONE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
CIS-1,2-DICHLOROETHENE



Original Int. Results

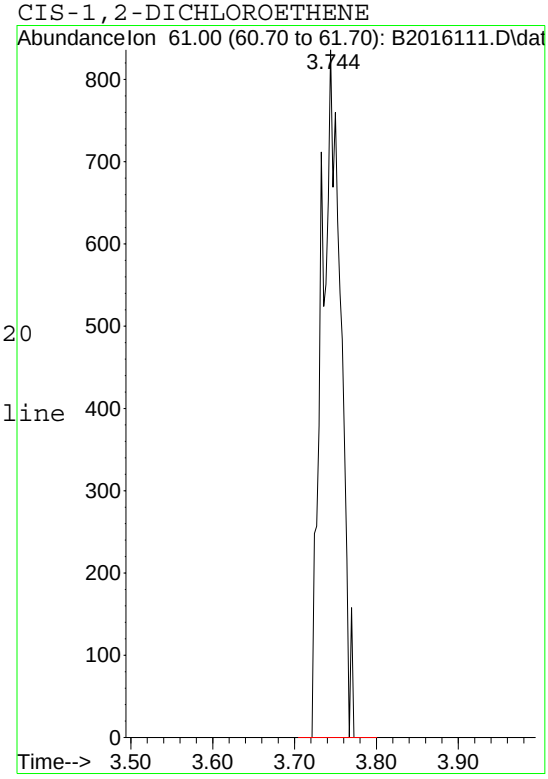
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

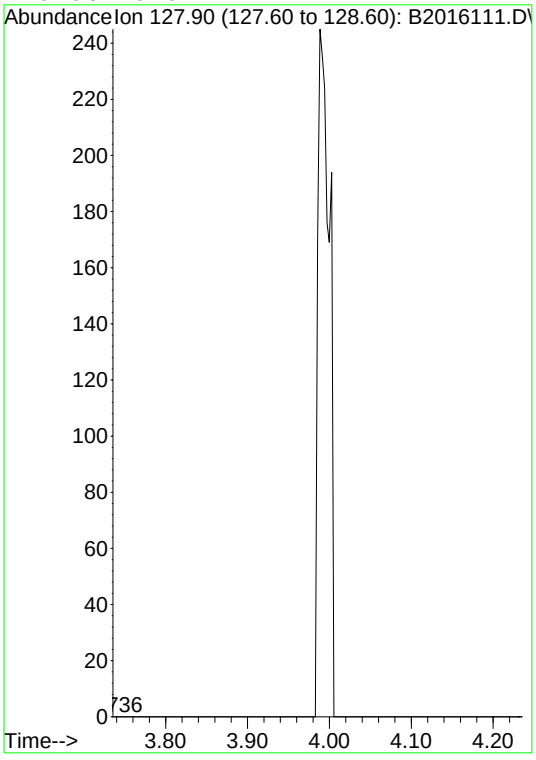
Tue Jun 09 10:36:54 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.74
Area : 1358
Amount: 0.406536

Manual Integration
CIS-1,2-DICHLOROETHENE



Original Integration
BROMOCHLOROMETHANE



Original Int. Results

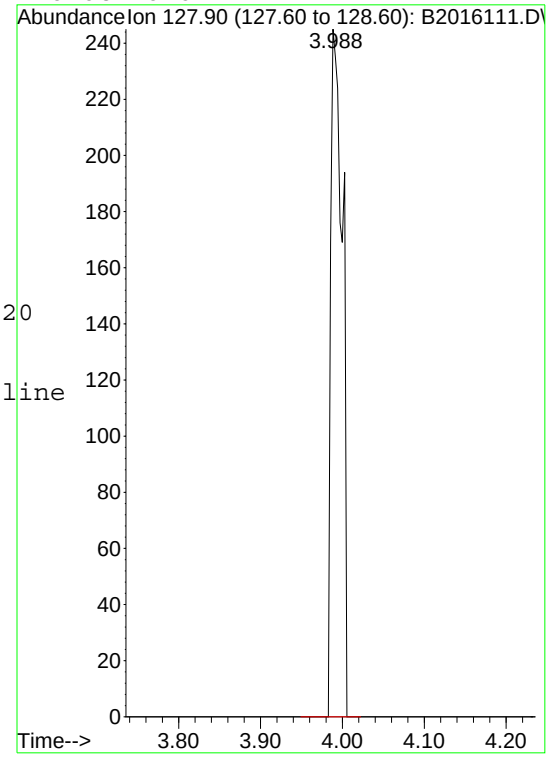
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 10:37:30 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.99
Area : 241
Amount: 0.380472

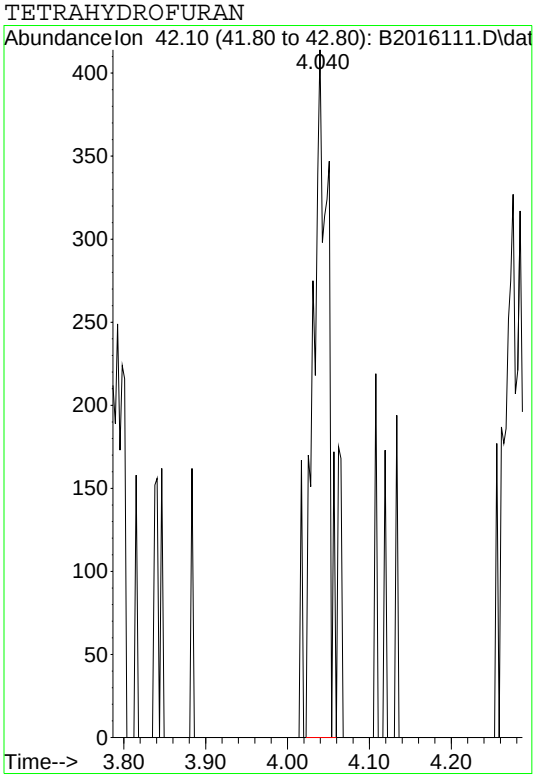
Manual Integration
BROMOCHLOROMETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
TETRAHYDROFURAN



Original Int. Results

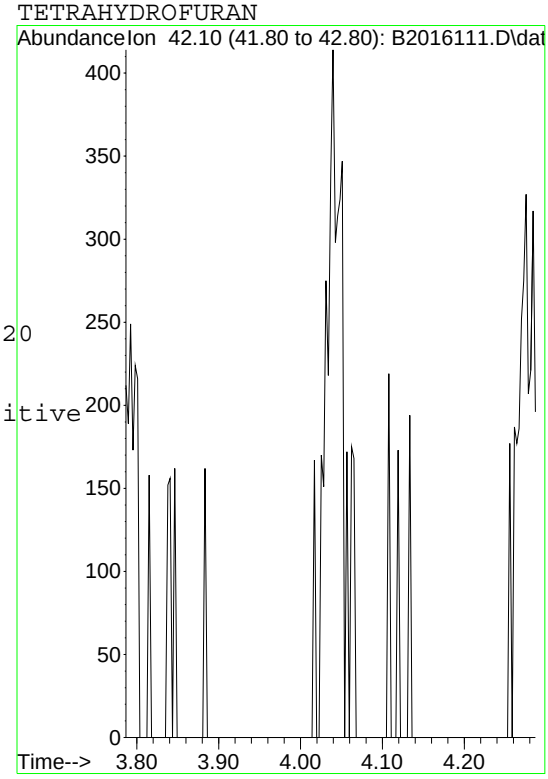
RT : 4.04
Area : 515
Amount: 0.478796

Manual Int. Results

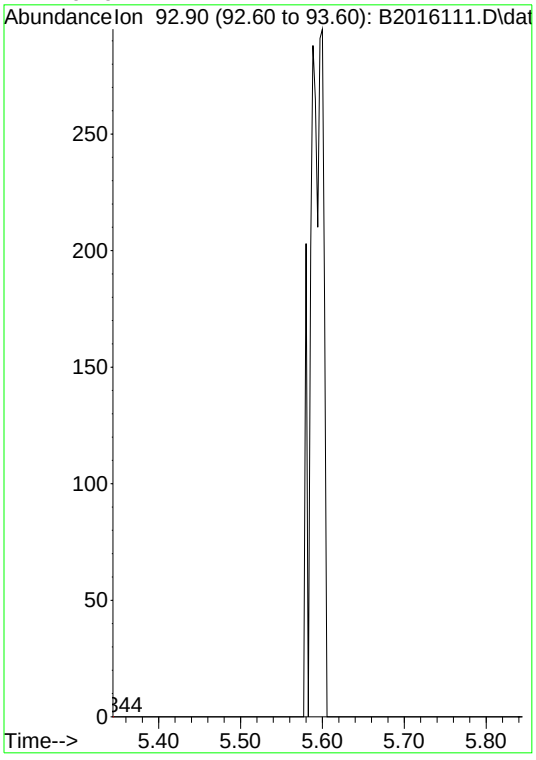
Tue Jun 09 10:37:35 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
TETRAHYDROFURAN



Original Integration
DIBROMOMETHANE



Original Int. Results

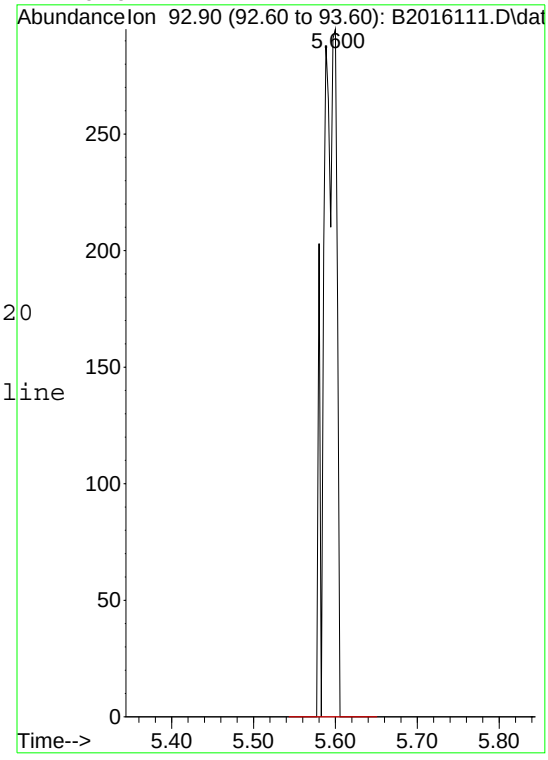
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 10:37:47 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.60
Area : 329
Amount: 0.330248

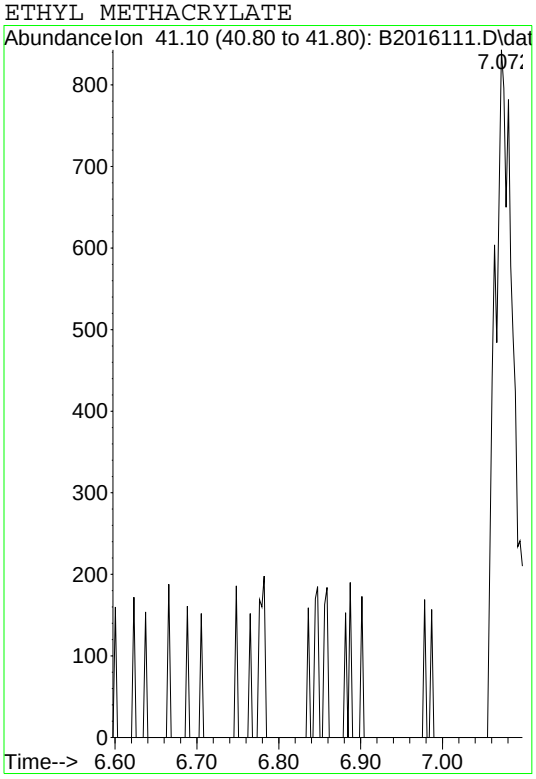
Manual Integration
DIBROMOMETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL METHACRYLATE



Original Int. Results

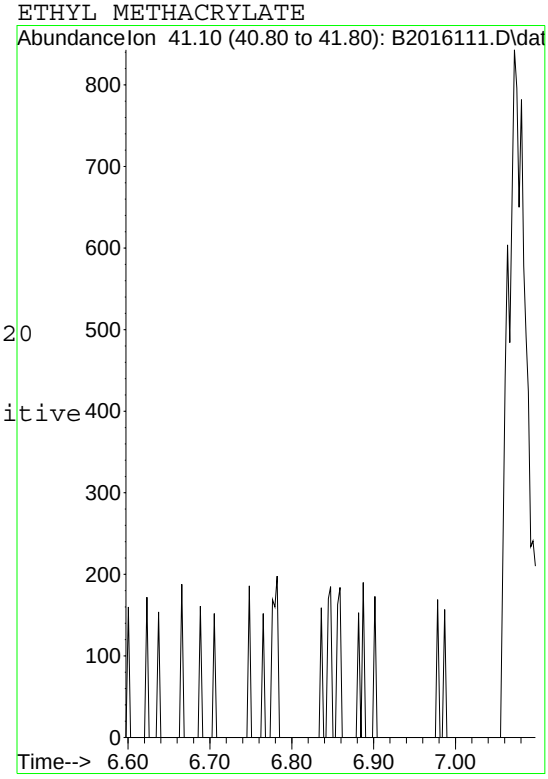
RT : 7.07
Area : 1338
Amount: 0

Manual Int. Results

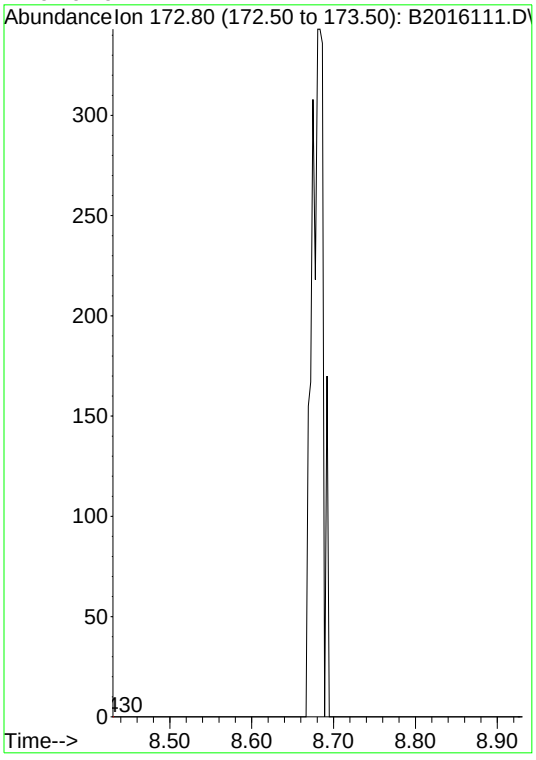
Tue Jun 09 10:37:54 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
BROMOFORM



Original Int. Results

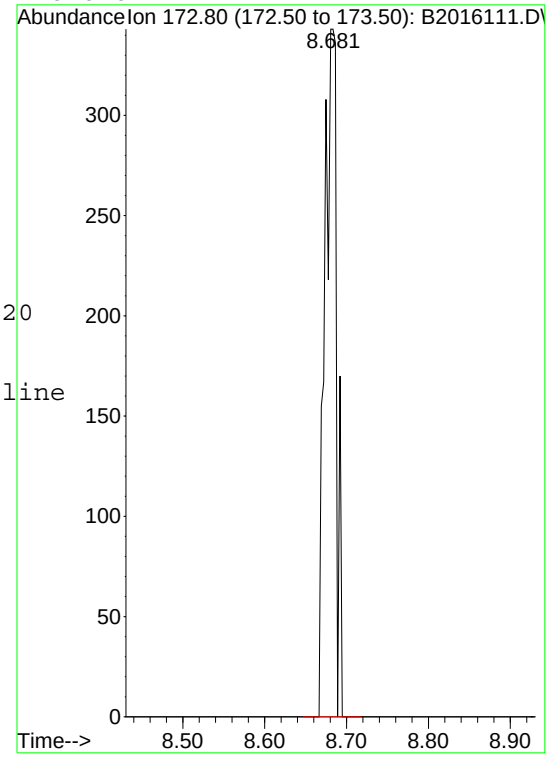
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 10:38:03 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 8.68
Area : 348
Amount: 0.274795

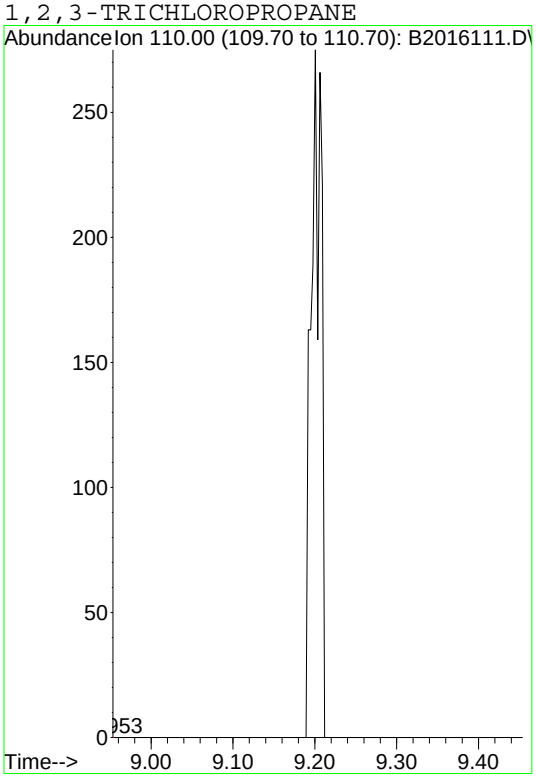
Manual Integration
BROMOFORM



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:38:13 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
1,2,3-TRICHLOROPROPANE



Original Int. Results

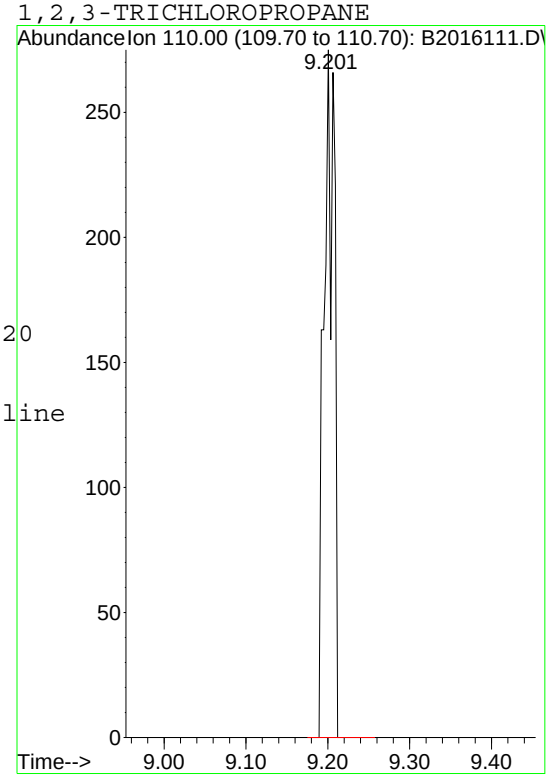
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

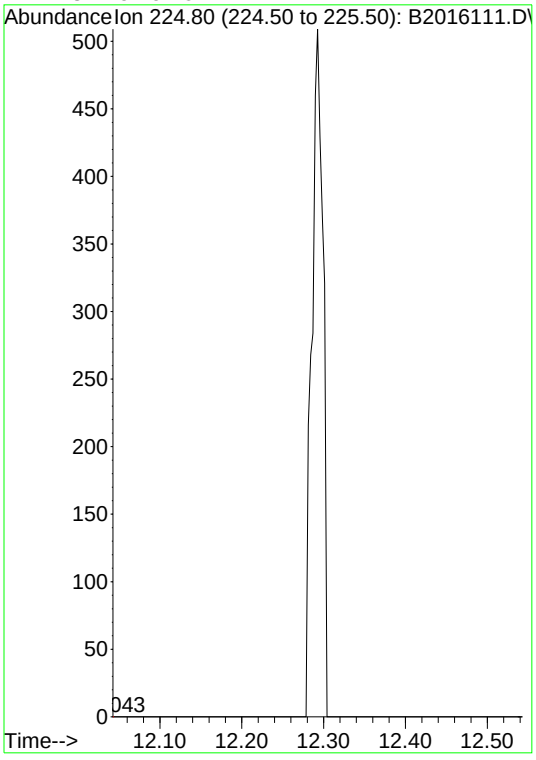
Tue Jun 09 10:38:09 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 9.20
Area : 245
Amount: 0.374326

Manual Integration
1,2,3-TRICHLOROPROPANE



Original Integration
HEXACHLOROBUTADIENE



Original Int. Results

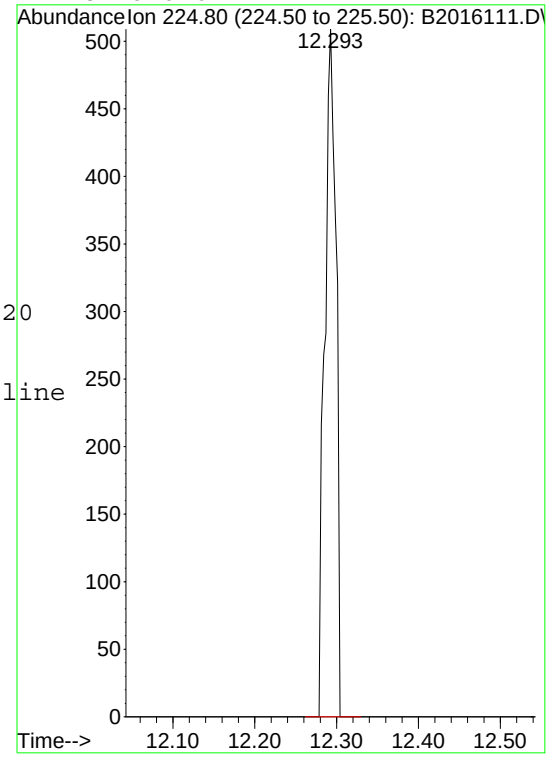
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 10:38:20 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 12.29
Area : 487
Amount: 0.318045

Manual Integration
HEXACHLOROBUTADIENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 06:17:13 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92450	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	152118	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83458	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85564	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	61522	27.17	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.68%				
45) TOLUENE-D8 SS	6.435	98	159808	25.99	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.96%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64138	24.80	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.132	85	978	0.46	UG/L	#	43
4) DIFLUOROCHLOROMETHANE	1.141	51	1426	0.36	UG/L		100
5) CHLOROMETHANE	1.240	50	3096	0.54	UG/L		95
6) VINYL CHLORIDE	1.314	62	1159	0.43	UG/L	#	48
8) CHLOROETHANE	1.576	64	581	0.47	UG/L		93
9) FLUORODICHLOROMETHANE	1.701	67	1595	0.59	UG/L	#	88
10) TRICHLOROFLUOROMETHANE	1.732	101	1244	0.49	UG/L		98
11) ETHANOL	1.934	45	568	67.51	UG/L	#	32
12) DI ETHYL ETHER	1.928	59	644	0.38	UG/L	#	70
13) ACROLEIN	2.036	56	2774	4.77	UG/L	#	86
14) ACETONE	2.147	43	3675	4.11	UG/L		95
15) 1,1-DICHLOROETHENE	2.099	61	1240	0.43	UG/L	#	66
16) 1,1,2-TRICL-1,2,2-TRIF...	2.096	101	580	0.50	UG/L	#	7
17) IODOMETHANE	2.218	142	1436	0.74	UG/L		98
18) METHYL ACETATE	2.417	43	946	0.31	UG/L	#	73
19) T-BUTYL ALCOHOL	2.599	59	1263	4.02	UG/L	#	58
21) METHYLENE CHLORIDE	2.488	49	1443	0.36	UG/L	#	63
22) CARBON DISULFIDE	2.269	76	21002	5.47	UG/L		98
23) METHYL TERT-BUTYL ETHE...	2.729	73	1968	0.51	UG/L	#	87
24) TRANS 1,2-DICHLOROETHENE	2.727	61	1159	0.41	UG/L	#	77
25) 1,1-DICHLOROETHANE	3.156	63	1545	0.46	UG/L	#	53
26) VINYL ACETATE	3.213	43	26971	3.97	UG/L	#	96
27) DI ISOPROPYL ETHER	3.221	45	3653	0.38	UG/L	#	68
28) 2-BUTANONE	3.784	43	4971	3.38	UG/L	#	84
29) T-BUTYL ETHYL ETHER	3.588	59	2672	0.37	UG/L		94
31) 2,2-DICHLOROPROPANE	3.741	77	1245	0.60	UG/L	#	48
34) TETRAHYDROFURAN	4.040	42	515	0.48	UG/L	#	38
35) T-BUTYL FORMATE	4.125	59	855	0.40	UG/L	#	88
36) CHLOROFORM	4.079	83	1364	0.56	UG/L		94
37) 1,1,1-TRICHLOROETHANE	4.239	97	1064	0.47	UG/L	#	55
38) CYCLOHEXANE	4.284	56	4339	0.82	UG/L	#	63
39) CARBON TETRACHLORIDE	4.395	117	1037	0.50	UG/L		90
40) 1,1-DICHLOROPROPENE	4.403	75	921	0.48	UG/L	#	41
41) BENZENE	4.611	78	3042	0.58	UG/L		95
42) T-AMYL ALCOHOL	4.665	59	753	3.80	UG/L	#	74
43) T-AMYLMETHYL ETHER	4.725	73	1851	0.48	UG/L	#	77
46) 1,2-DICHLOROETHANE	4.648	62	1203	0.38	UG/L	#	42
47) TRICHLOROETHENE	5.250	95	769	0.51	UG/L		91
48) METHYLCYCLOHEXANE	5.418	83	1205	0.44	UG/L	#	81
49) 1,2-DICHLOROPROPANE	5.478	63	810	0.38	UG/L	#	65
52) BROMODICHLOROMETHANE	5.753	83	951	0.44	UG/L	#	91
53) 2-CHLOROETHYLVINYLETHER	6.066	63	1850	1.07	UG/L		83
54) MIBK	6.359	43	11989	3.46	UG/L	#	99

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 4 Sample Multiplier: 1

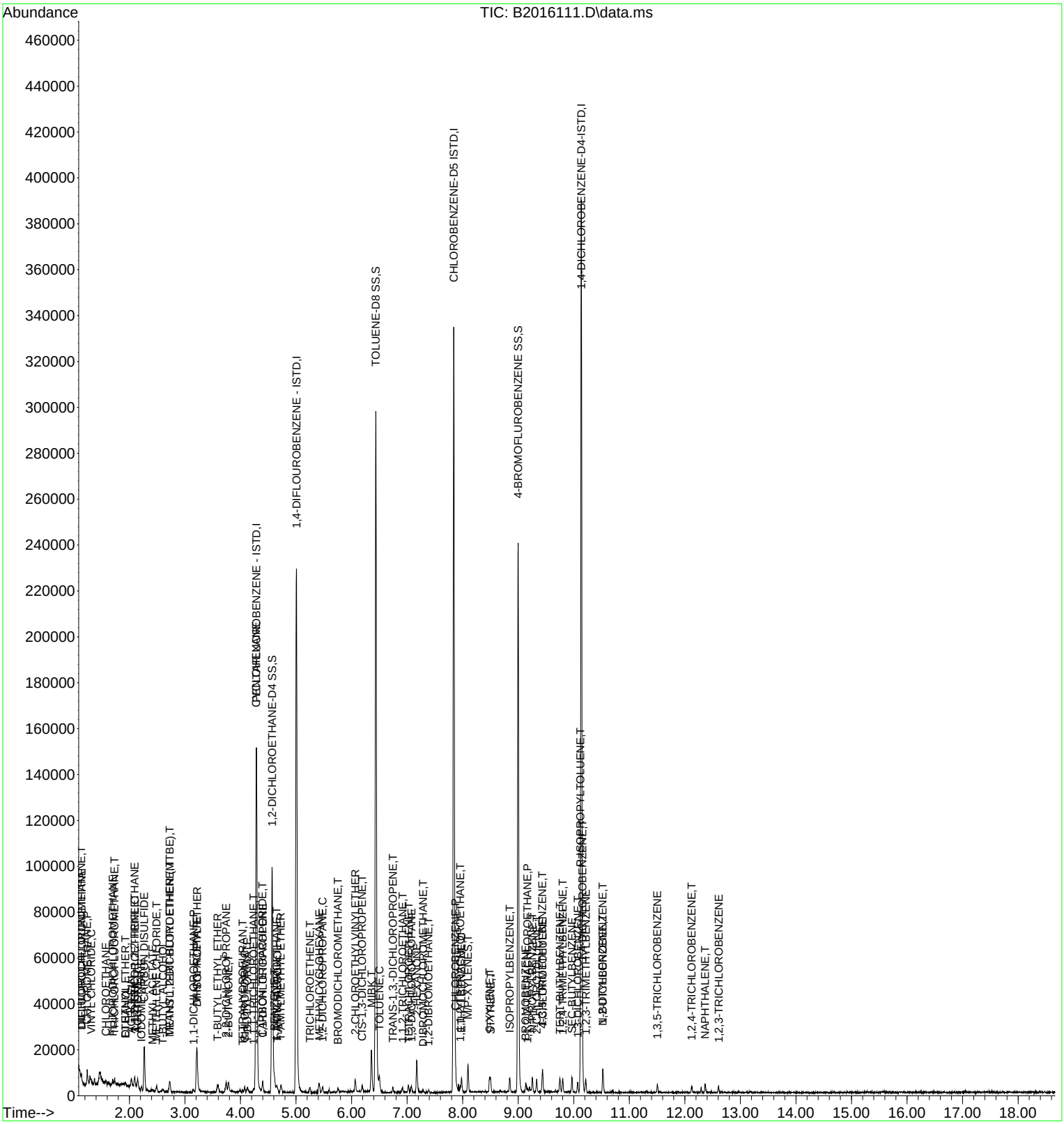
Quant Time: Jun 10 06:17:13 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) CIS-1,3-DICHLOROPROPENE	6.188	75	1151	0.44	UG/L	#	79
56) TOLUENE	6.501	91	3443	0.50	UG/L		98
57) TRANS-1,3,-DICHLOROPRO...	6.745	75	1019	0.45	UG/L	#	81
59) 1,1,2-TRICHLOROETHANE	6.919	97	585	0.42	UG/L	#	15
60) 2-HEXANONE	7.174	43	9223	3.61	UG/L		94
61) TETRACHLOROETHENE	7.029	164	566	0.39	UG/L	#	66
62) 1,3-DICHLOROPROPANE	7.081	76	1062	0.43	UG/L	#	88
63) DIBROMOCHLOROMETHANE	7.291	129	662	0.37	UG/L	#	11
64) 1,2-DIBROMOETHANE	7.385	107	630	0.40	UG/L	#	100
67) CHLOROBENZENE	7.871	112	2161	0.50	UG/L	#	48
68) 1,1,1,2-TETRACHLOROETHANE	7.959	131	672	0.42	UG/L	#	69
69) ETHYLBENZENE	7.979	91	3880	0.51	UG/L		94
70) M/P-XYLENES	8.095	91	5797	0.96	UG/L		99
71) 0-XYLENE	8.482	91	3110	0.49	UG/L		94
72) STYRENE	8.504	104	2286	0.47	UG/L	#	48
74) ISOPROPYLBENZENE	8.848	105	3671	0.47	UG/L		100
76) 1,1,2,2-TETRACHLOROETHANE	9.167	83	924	0.46	UG/L	#	26
78) BROMOBENZENE	9.132	77	1371	0.49	UG/L		88
80) N-PROPYLBENZENE	9.255	91	4825	0.50	UG/L		95
81) 2-CHLOROT0LUENE	9.331	91	2841	0.51	UG/L		95
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	3157	0.47	UG/L		98
83) 4-CHLOROTOLUENE	9.442	91	3183	0.49	UG/L		96
85) TERT-BUTYLBENZENE	9.752	119	2749	0.52	UG/L		94
86) 1,2,4-TRIMETHYLBENZENE	9.803	105	3051	0.50	UG/L		99
87) SEC-BUTYLBENZENE	9.968	105	4105	0.53	UG/L		95
88) 1,3-DICHLOROBENZENE	10.073	146	1786	0.51	UG/L		94
89) P-ISOPROPYLTOLUENE	10.119	119	3611	0.55	UG/L	#	95
90) 1,4-DICHLOROBENZENE	10.158	146	1938	0.54	UG/L	#	61
91) 1,2,3-TRIMETHYLBENZENE	10.218	105	3031	0.50	UG/L	#	100
92) N-BUTYLBENZENE	10.519	91	3326	0.53	UG/L		95
93) 1,2-DICHLOROBENZENE	10.522	146	1787	0.54	UG/L		94
95) 1,3,5-TRICHLOROBENZENE	11.505	180	1201	0.43	UG/L		84
96) 1,2,4-TRICHLOROBENZENE	12.122	180	1112	0.45	UG/L	#	83
98) NAPHTHALENE	12.367	128	2921	0.50	UG/L	#	69
99) 1,2,3-TRICHLOROBENZENE	12.611	180	1033	0.45	UG/L		94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016111.D
Acq On : 9 Jun 2020 9:46 am
Operator :
Sample : 8260 STD 0.5 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 06:17:13 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 10:44:05 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92992	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	153151	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83588	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85042	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	61418	26.97	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.88%				
45) TOLUENE-D8 SS	6.438	98	158673	25.63	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.52%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64304	24.83	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.32%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	1958	0.92	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.138	51	2734	0.69	UG/L	#	84
5) CHLOROMETHANE	1.243	50	5834	1.02	UG/L		97
6) VINYL CHLORIDE	1.308	62	2269	0.83	UG/L		92
8) CHLOROETHANE	1.578	64	1307	1.05	UG/L		97
9) FLUORODICHLOROMETHANE	1.701	67	3062	1.14	UG/L		91
10) TRICHLOROFLUOROMETHANE	1.732	101	2528	1.00	UG/L		97
12) DI ETHYL ETHER	1.928	59	1273	0.75	UG/L	#	80
13) ACROLEIN	2.036	56	4923	8.42	UG/L	#	95
14) ACETONE	2.150	43	8109m	9.02	UG/L		
15) 1,1-DICHLOROETHENE	2.096	61	2619	0.91	UG/L	#	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.090	101	1135	0.97	UG/L		96
17) IODOMETHANE	2.218	142	3407	1.76	UG/L		98
18) METHYL ACETATE	2.405	43	2605	0.85	UG/L	#	87
19) T-BUTYL ALCOHOL	2.607	59	2050	6.49	UG/L	#	58
20) ACRYLONITRILE	2.727	53	685	0.57	UG/L	#	78
21) METHYLENE CHLORIDE	2.491	49	2888	0.73	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	40825	10.57	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	3777	0.97	UG/L	#	84
24) TRANS 1,2-DICHLOROETHENE	2.724	61	2227	0.78	UG/L	#	63
25) 1,1-DICHLOROETHANE	3.153	63	2793	0.83	UG/L	#	92
26) VINYL ACETATE	3.213	43	52376	7.66	UG/L	#	96
27) DI ISOPROPYL ETHER	3.215	45	6370	0.66	UG/L	#	68
28) 2-BUTANONE	3.781	43	11017	7.44	UG/L	#	93
29) T-BUTYL ETHYL ETHER	3.588	59	5385	0.74	UG/L	#	94
30) CIS-1,2-DICHLOROETHENE	3.744	61	2738	0.81	UG/L	#	86
31) 2,2-DICHLOROPROPANE	3.733	77	2299	1.10	UG/L	#	80
33) BROMOCHLOROMETHANE	3.986	128	631	0.99	UG/L	#	68
35) T-BUTYL FORMATE	4.133	59	1575	0.70	UG/L	#	85
36) CHLOROFORM	4.082	83	2595	1.05	UG/L		94
37) 1,1,1-TRICHLOROETHANE	4.239	97	2414	1.06	UG/L	#	79
38) CYCLOHEXANE	4.281	56	6375	1.20	UG/L	#	74
39) CARBON TETRACHLORIDE	4.398	117	2104	1.01	UG/L		87
40) 1,1-DICHLOROPROPENE	4.409	75	2061	1.08	UG/L		96
41) BENZENE	4.608	78	5617	1.06	UG/L		96
42) T-AMYL ALCOHOL	4.665	59	1581	6.78	UG/L	#	63
43) T-AMYLMETHYL ETHER	4.727	73	3924	1.00	UG/L		88
46) 1,2-DICHLOROETHANE	4.645	62	2418	0.76	UG/L	#	89
47) TRICHLOROETHENE	5.250	95	1426	0.93	UG/L		98
48) METHYLCYCLOHEXANE	5.412	83	2625	0.96	UG/L	#	79
49) 1,2-DICHLOROPROPANE	5.478	63	1669	0.78	UG/L		89
50) DIBROMOMETHANE	5.591	93	896	0.89	UG/L		93
52) BROMODICHLOROMETHANE	5.756	83	1859	0.85	UG/L	#	91

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 09 10:44:05 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

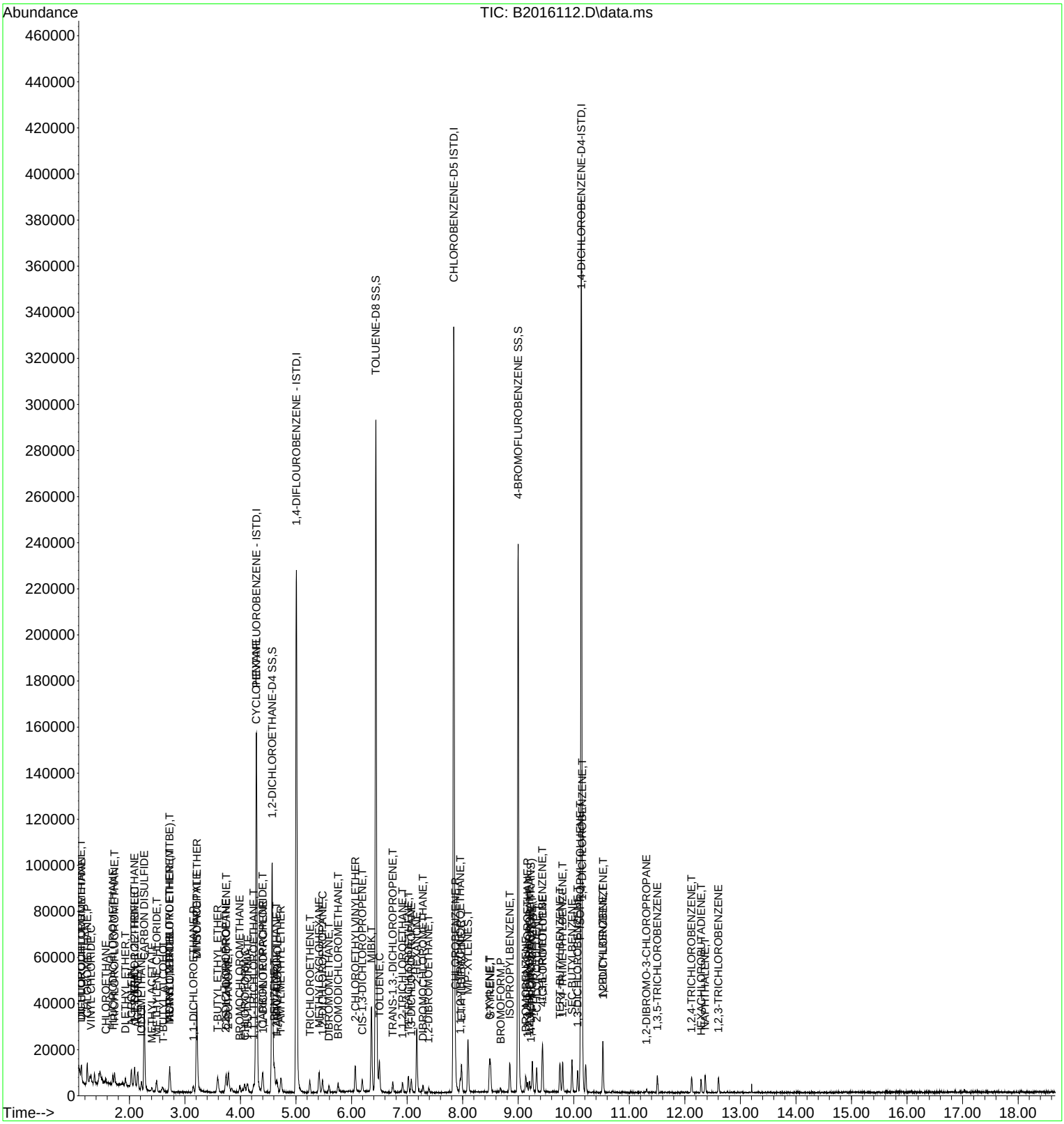
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 2-CHLOROETHYLVINYLETHER	6.069	63	3839	2.21	UG/L		94
54) MIBK	6.356	43	23482	6.72	UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.191	75	2196	0.84	UG/L	#	87
56) TOLUENE	6.504	91	6856	0.99	UG/L		97
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	2026	0.89	UG/L	#	87
59) 1,1,2-TRICHLOROETHANE	6.916	97	1251	0.89	UG/L		99
60) 2-HEXANONE	7.174	43	17611	6.85	UG/L	#	96
61) TETRACHLOROETHENE	7.024	164	1334	0.92	UG/L		98
62) 1,3-DICHLOROPROPANE	7.072	76	2286	0.93	UG/L		86
63) DIBROMOCHLOROMETHANE	7.285	129	1397	0.78	UG/L		98
64) 1,2-DIBROMOETHANE	7.387	107	1308	0.82	UG/L	#	97
67) CHLOROBENZENE	7.868	112	4172	0.96	UG/L	#	49
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	1373	0.85	UG/L		97
69) ETHYLBENZENE	7.976	91	7432	0.97	UG/L		99
70) M/P-XYLENES	8.095	91	11851	1.97	UG/L		99
71) 0-XYLENE	8.479	91	5882	0.93	UG/L		99
72) STYRENE	8.502	104	4498	0.92	UG/L	#	65
73) BROMOFORM	8.683	173	792	0.62	UG/L	#	29
74) ISOPROPYLBENZENE	8.848	105	7378	0.95	UG/L		100
76) 1,1,2,2-TETRACHLOROETHANE	9.167	83	1932	0.96	UG/L	#	90
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	538	0.42	UG/L	#	48
78) BROMOBENZENE	9.135	77	2614	0.94	UG/L		95
79) 1,2,3-TRICHLOROPROPANE	9.203	110	532	0.81	UG/L		99
80) N-PROPYLBENZENE	9.255	91	9597	1.00	UG/L		98
81) 2-CHLOROT0LUENE	9.331	91	5142	0.93	UG/L		97
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	6262	0.92	UG/L		97
83) 4-CHLOROTOLUENE	9.442	91	6114	0.94	UG/L		97
85) TERT-BUTYLBENZENE	9.752	119	5633	1.08	UG/L		98
86) 1,2,4-TRIMETHYLBENZENE	9.797	105	6196	1.01	UG/L		98
87) SEC-BUTYLBENZENE	9.968	105	8163	1.07	UG/L		99
88) 1,3-DICHLOROBENZENE	10.070	146	3636	1.05	UG/L		95
89) P-ISOPROPYLTOLUENE	10.116	119	6700	1.02	UG/L	#	92
90) 1,4-DICHLOROBENZENE	10.156	146	3933	1.11	UG/L	#	86
91) N-BUTYLBENZENE	10.522	91	6659	1.07	UG/L		93
92) 1,2-DICHLOROBENZENE	10.528	146	3272	0.99	UG/L		96
93) 1,2-DIBROMO-3-CHLOROPR...	11.309	75	196m	0.51	UG/L		
94) 1,3,5-TRICHLOROBENZENE	11.503	180	2422	0.87	UG/L		94
95) 1,2,4-TRICHLOROBENZENE	12.119	180	2208	0.90	UG/L		94
96) HEXACHLOROBUTADIENE	12.293	225	1147	0.75	UG/L	#	85
97) NAPHTHALENE	12.364	128	5486	0.94	UG/L		98
98) 1,2,3-TRICHLOROBENZENE	12.605	180	2062	0.90	UG/L		90

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 5 Sample Multiplier: 1

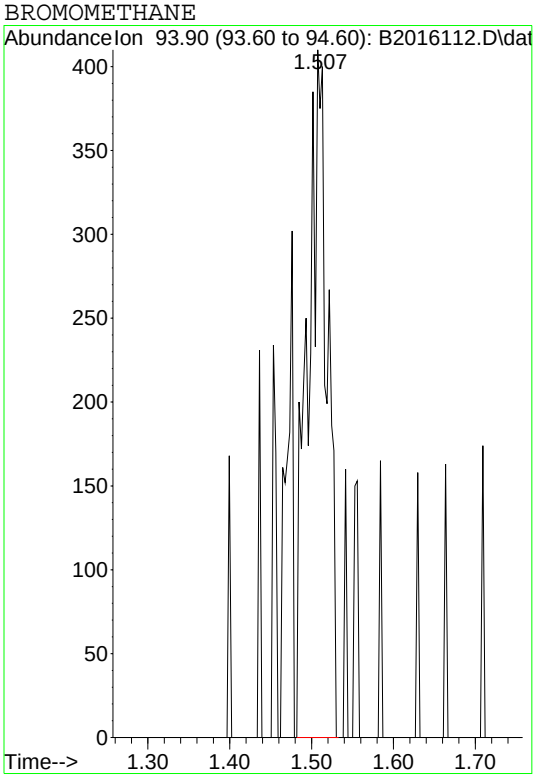
Quant Time: Jun 09 10:44:05 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:44:05 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
BROMOMETHANE



Original Int. Results

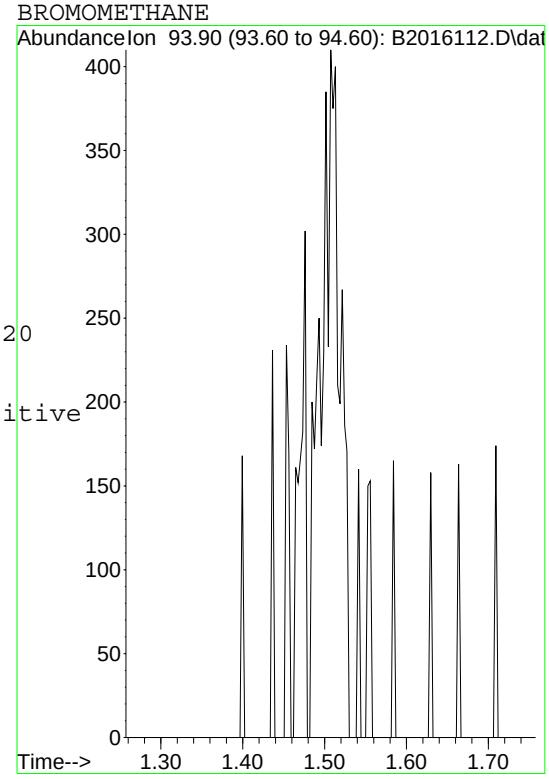
RT : 1.51
Area : 695
Amount: 0.836156

Manual Int. Results

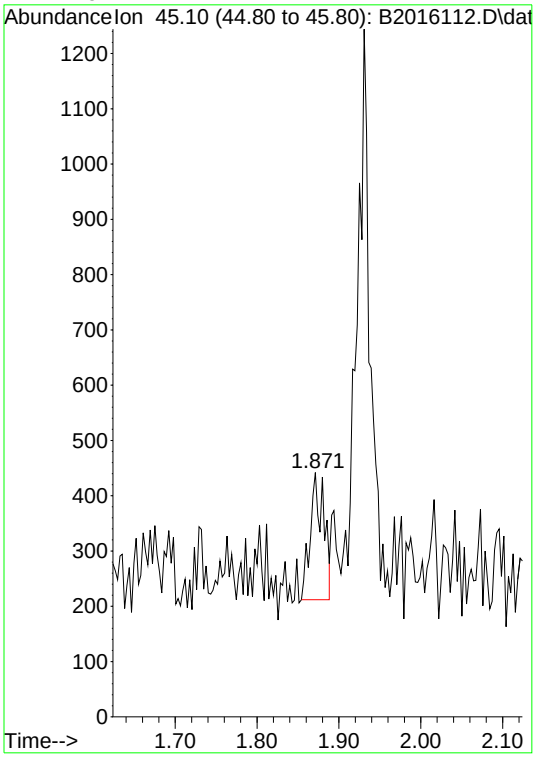
Tue Jun 09 10:40:05 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
BROMOMETHANE



Original Integration
ETHANOL



Original Int. Results

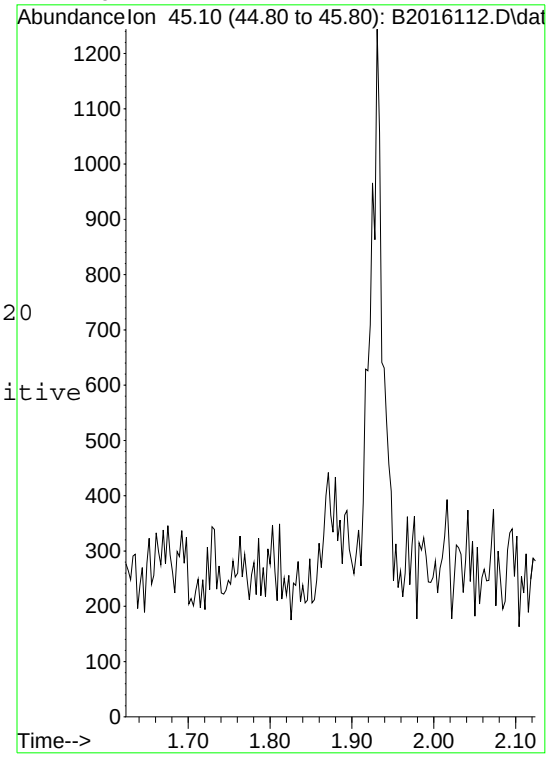
RT : 1.87
Area : 263
Amount: 61.7471

Manual Int. Results

Tue Jun 09 10:40:10 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

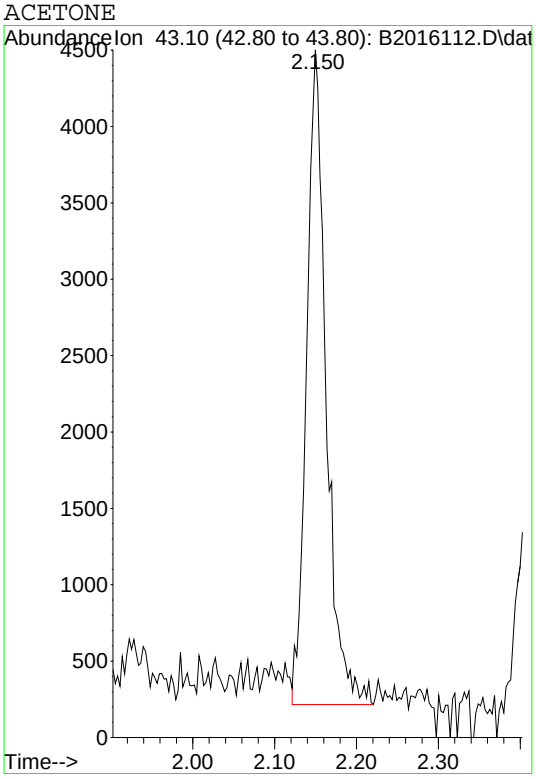
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:44:05 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ACETONE



Original Int. Results

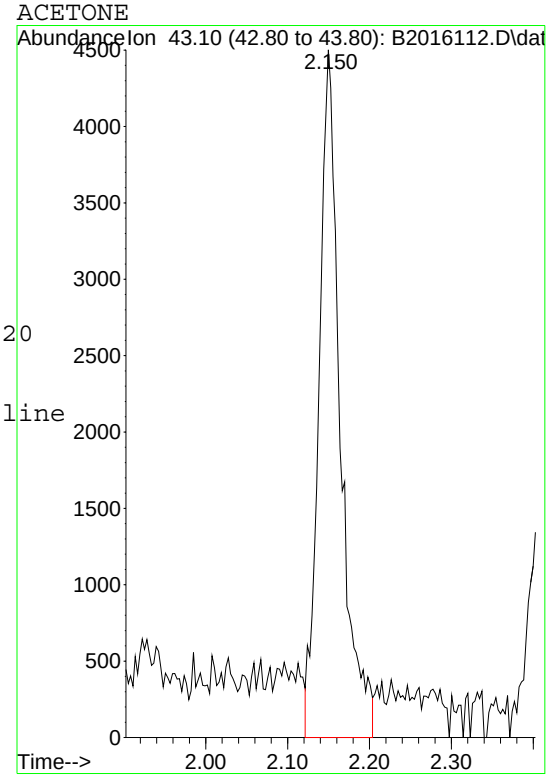
RT : 2.15
Area : 7110
Amount: 7.90634

Manual Int. Results

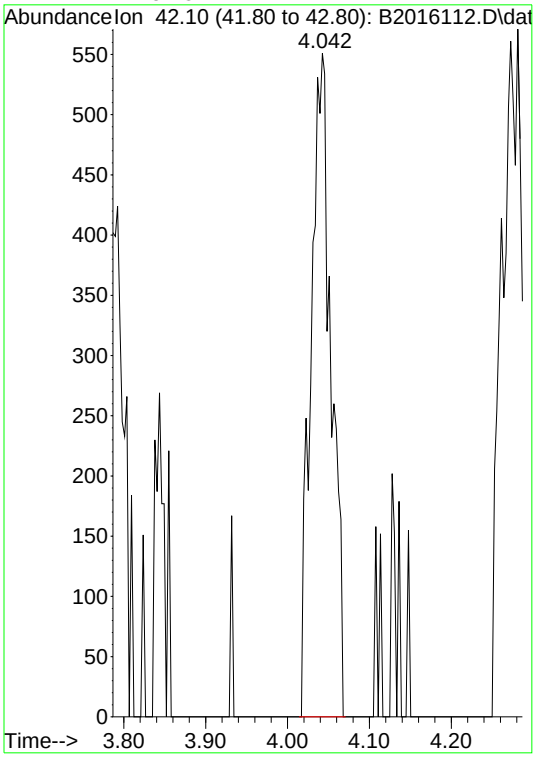
Tue Jun 09 10:40:16 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.15
Area : 8109
Amount: 9.01723

Manual Integration
ACETONE



Original Integration
TETRAHYDROFURAN



Original Int. Results

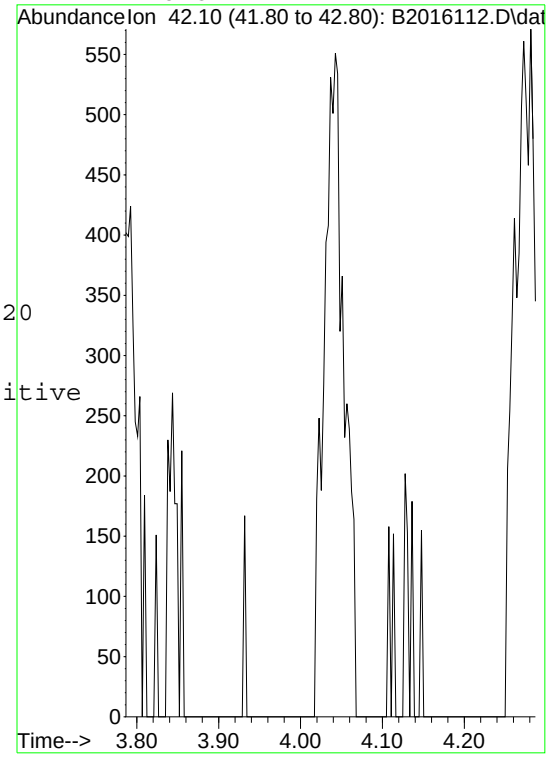
RT : 4.04
Area : 951
Amount: 0.878992

Manual Int. Results

Tue Jun 09 10:44:11 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

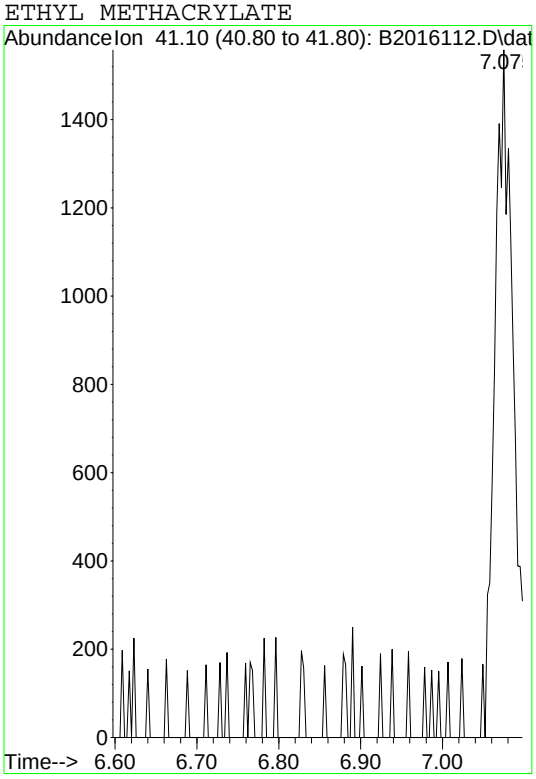
Manual Integration
TETRAHYDROFURAN



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 10:44:05 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL METHACRYLATE



Original Int. Results

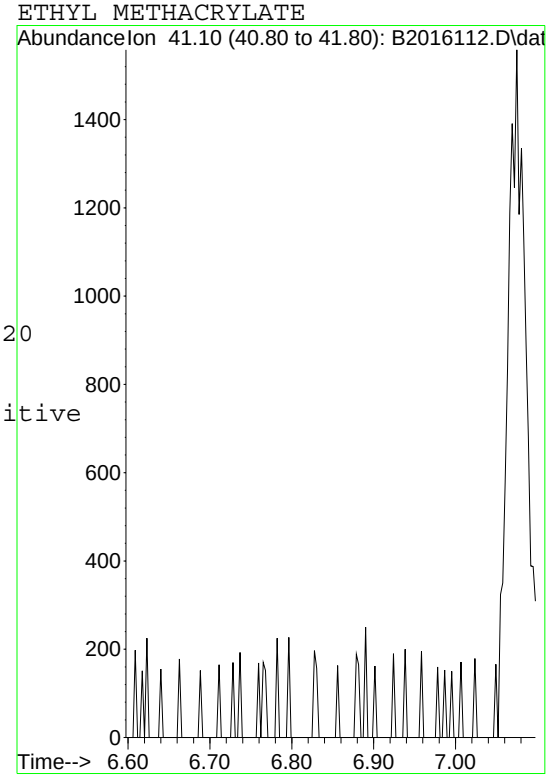
RT : 7.07
Area : 2484
Amount: 0

Manual Int. Results

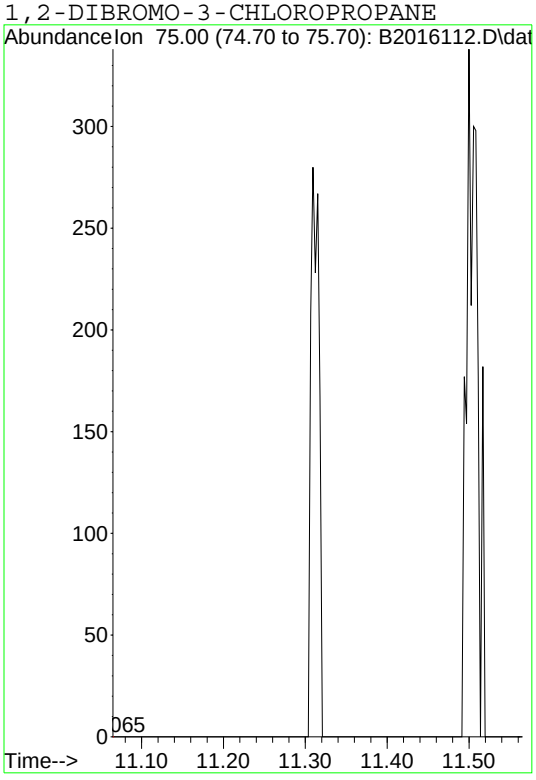
Tue Jun 09 10:42:40 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
1,2-DIBROMO-3-CHLOROPROPANE



Original Int. Results

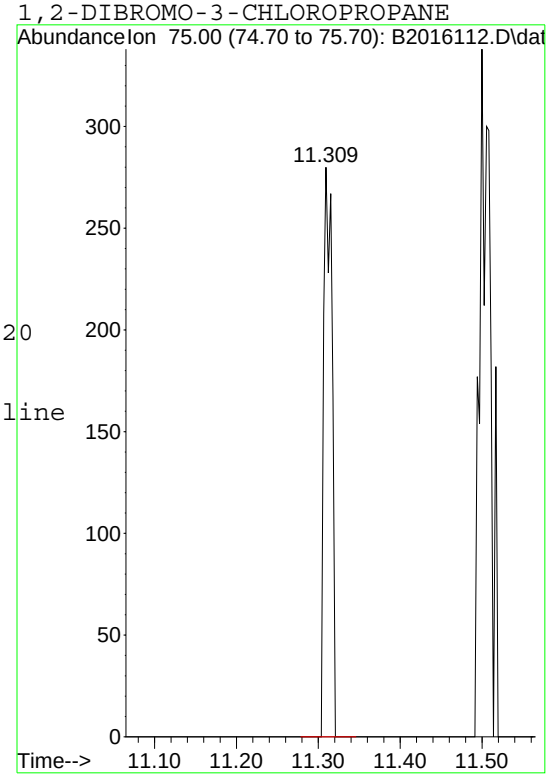
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Jun 09 10:42:57 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 11.31
Area : 196
Amount: 0.508638

Manual Integration
1,2-DIBROMO-3-CHLOROPROPANE



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 06:17:16 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92992	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	153151	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83588	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85042	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	61418	26.97	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.88%				
45) TOLUENE-D8 SS	6.438	98	158673	25.63	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.52%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64304	24.83	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.32%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	1958	0.92	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.138	51	2734	0.69	UG/L	#	84
5) CHLOROMETHANE	1.243	50	5834	1.02	UG/L		97
6) VINYL CHLORIDE	1.308	62	2269	0.83	UG/L		92
7) BROMOMETHANE	1.507	94	695	0.84	UG/L	#	4
8) CHLOROETHANE	1.578	64	1307	1.05	UG/L		97
9) FLUORODICHLOROMETHANE	1.701	67	3062	1.14	UG/L		91
10) TRICHLOROFLUOROMETHANE	1.732	101	2528	1.00	UG/L		97
11) ETHANOL	1.871	45	263	61.75	UG/L	#	11
12) DI ETHYL ETHER	1.928	59	1273	0.75	UG/L	#	80
13) ACROLEIN	2.036	56	4923	8.42	UG/L	#	95
14) ACETONE	2.150	43	7110	7.91	UG/L		95
15) 1,1-DICHLOROETHENE	2.096	61	2619	0.91	UG/L	#	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.090	101	1135	0.97	UG/L		96
17) IODOMETHANE	2.218	142	3407	1.76	UG/L		98
18) METHYL ACETATE	2.405	43	2605	0.85	UG/L	#	87
19) T-BUTYL ALCOHOL	2.607	59	2050	6.49	UG/L	#	58
20) ACRYLONITRILE	2.727	53	685	0.57	UG/L	#	78
21) METHYLENE CHLORIDE	2.491	49	2888	0.73	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	40825	10.57	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	3777	0.97	UG/L	#	84
24) TRANS 1,2-DICHLOROETHENE	2.724	61	2227	0.78	UG/L	#	63
25) 1,1-DICHLOROETHANE	3.153	63	2793	0.83	UG/L	#	92
26) VINYL ACETATE	3.213	43	52376	7.66	UG/L	#	96
27) DI ISOPROPYL ETHER	3.215	45	6370	0.66	UG/L	#	68
28) 2-BUTANONE	3.781	43	11017	7.44	UG/L	#	93
29) T-BUTYL ETHYL ETHER	3.588	59	5385	0.74	UG/L	#	94
30) CIS-1,2-DICHLOROETHENE	3.744	61	2738	0.81	UG/L	#	86
31) 2,2-DICHLOROPROPANE	3.733	77	2299	1.10	UG/L	#	80
33) BROMOCHLOROMETHANE	3.986	128	631	0.99	UG/L	#	68
34) TETRAHYDROFURAN	4.042	42	951	0.88	UG/L	#	84
35) T-BUTYL FORMATE	4.133	59	1575	0.74	UG/L	#	85
36) CHLOROFORM	4.082	83	2595	1.05	UG/L		94
37) 1,1,1-TRICHLOROETHANE	4.239	97	2414	1.06	UG/L	#	79
38) CYCLOHEXANE	4.281	56	6375	1.20	UG/L	#	74
39) CARBON TETRACHLORIDE	4.398	117	2104	1.01	UG/L		87
40) 1,1-DICHLOROPROPENE	4.409	75	2061	1.08	UG/L		96
41) BENZENE	4.608	78	5617	1.06	UG/L		96
42) T-AMYL ALCOHOL	4.665	59	1581	7.93	UG/L	#	63
43) T-AMYLMETHYL ETHER	4.727	73	3924	1.00	UG/L		88
46) 1,2-DICHLOROETHANE	4.645	62	2418	0.76	UG/L	#	89
47) TRICHLOROETHENE	5.250	95	1426	0.93	UG/L		98
48) METHYLCYCLOHEXANE	5.412	83	2625	0.96	UG/L	#	79

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 5 Sample Multiplier: 1

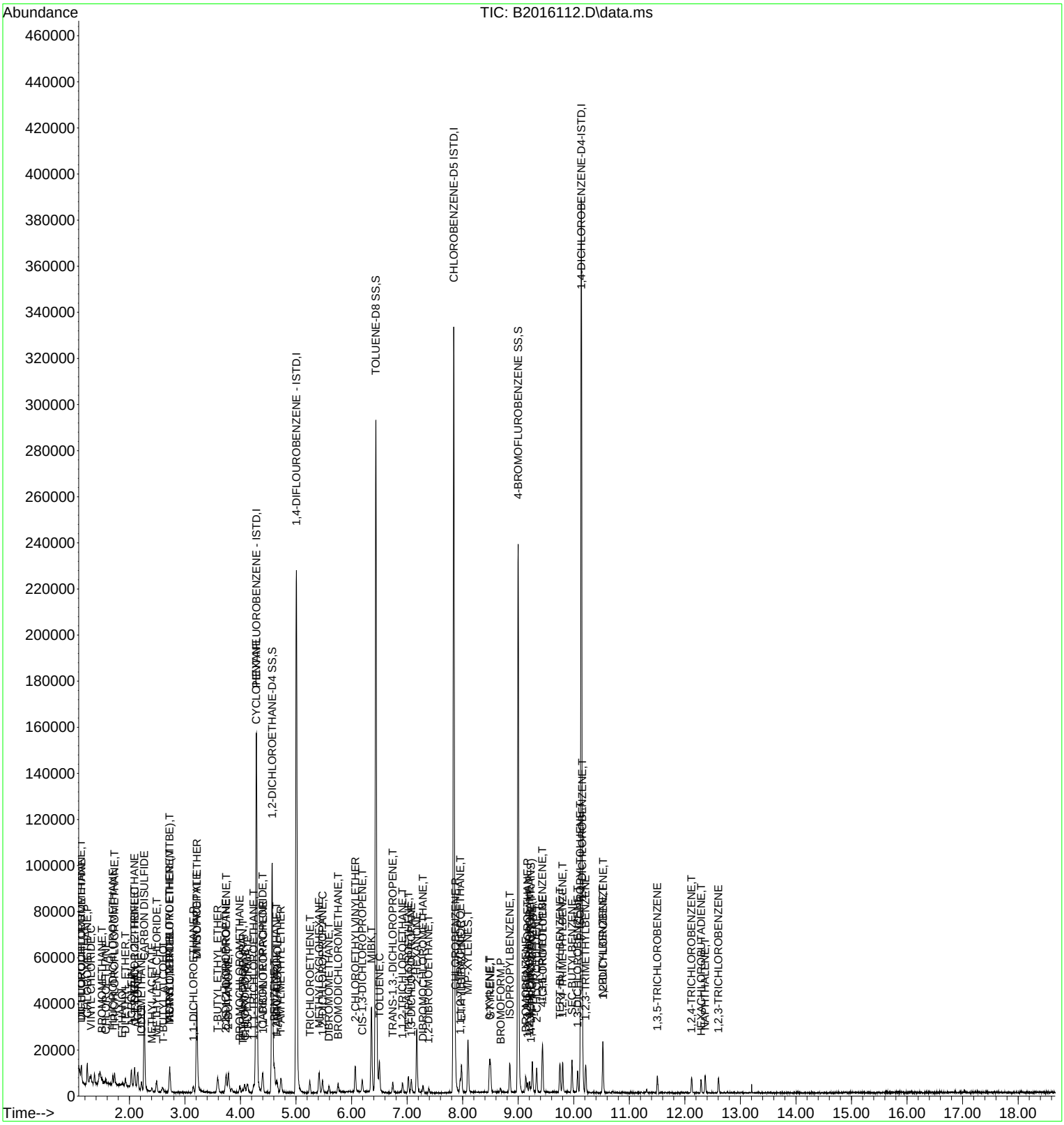
Quant Time: Jun 10 06:17:16 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49)	1,2-DICHLOROPROPANE	5.478	63	1669	0.78	UG/L		89
50)	DIBROMOMETHANE	5.591	93	896	0.89	UG/L		93
52)	BROMODICHLOROMETHANE	5.756	83	1859	0.85	UG/L	#	91
53)	2-CHLOROETHYLVINYLETHER	6.069	63	3839	2.21	UG/L		94
54)	MIBK	6.356	43	23482	6.72	UG/L	#	98
55)	CIS-1,3-DICHLOROPROPENE	6.191	75	2196	0.84	UG/L	#	87
56)	TOLUENE	6.504	91	6856	0.99	UG/L		97
57)	TRANS-1,3,-DICHLOROPRO...	6.742	75	2026	0.89	UG/L	#	87
59)	1,1,2-TRICHLOROETHANE	6.916	97	1251	0.89	UG/L		99
60)	2-HEXANONE	7.174	43	17611	6.85	UG/L	#	96
61)	TETRACHLOROETHENE	7.024	164	1334	0.92	UG/L		98
62)	1,3-DICHLOROPROPANE	7.072	76	2286	0.93	UG/L		86
63)	DIBROMOCHLOROMETHANE	7.285	129	1397	0.78	UG/L		98
64)	1,2-DIBROMOETHANE	7.387	107	1308	0.82	UG/L	#	97
67)	CHLOROBENZENE	7.868	112	4172	0.96	UG/L	#	49
68)	1,1,1,2-TETRACHLOROETHANE	7.956	131	1373	0.85	UG/L		97
69)	ETHYLBENZENE	7.976	91	7432	0.97	UG/L		99
70)	M/P-XYLENES	8.095	91	11851	1.97	UG/L		99
71)	0-XYLENE	8.479	91	5882	0.93	UG/L		99
72)	STYRENE	8.502	104	4498	0.92	UG/L	#	65
73)	BROMOFORM	8.683	173	792	0.62	UG/L	#	29
74)	ISOPROPYLBENZENE	8.848	105	7378	0.95	UG/L		100
76)	1,1,2,2-TETRACHLOROETHANE	9.167	83	1932	0.96	UG/L	#	90
77)	1,4-DICHLORO-2-BUTENE(...	9.226	53	538	0.42	UG/L	#	48
78)	BROMOBENZENE	9.135	77	2614	0.94	UG/L		95
79)	1,2,3-TRICHLOROPROPANE	9.203	110	532	0.81	UG/L		99
80)	N-PROPYLBENZENE	9.255	91	9597	1.00	UG/L		98
81)	2-CHLOROT0LUENE	9.331	91	5142	0.93	UG/L		97
82)	1,3,5-TRIMETHYLBENZENE	9.434	105	6262	0.92	UG/L		97
83)	4-CHLOROTOLUENE	9.442	91	6114	0.94	UG/L		97
85)	TERT-BUTYLBENZENE	9.752	119	5633	1.08	UG/L		98
86)	1,2,4-TRIMETHYLBENZENE	9.797	105	6196	1.01	UG/L		98
87)	SEC-BUTYLBENZENE	9.968	105	8163	1.07	UG/L		99
88)	1,3-DICHLOROBENZENE	10.070	146	3636	1.05	UG/L		95
89)	P-ISOPROPYLTOLUENE	10.116	119	6700	1.02	UG/L	#	92
90)	1,4-DICHLOROBENZENE	10.156	146	3933	1.11	UG/L	#	86
91)	1,2,3-TRIMETHYLBENZENE	10.212	105	6176	1.03	UG/L	#	100
92)	N-BUTYLBENZENE	10.522	91	6659	1.07	UG/L		93
93)	1,2-DICHLOROBENZENE	10.528	146	3272	0.99	UG/L		96
95)	1,3,5-TRICHLOROBENZENE	11.503	180	2422	0.87	UG/L		94
96)	1,2,4-TRICHLOROBENZENE	12.119	180	2208	0.90	UG/L		94
97)	HEXACHLOROBUTADIENE	12.293	225	1147	0.75	UG/L	#	85
98)	NAPHTHALENE	12.364	128	5486	0.94	UG/L		98
99)	1,2,3-TRICHLOROBENZENE	12.605	180	2062	0.90	UG/L		90

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016112.D
Acq On : 9 Jun 2020 10:12 am
Operator :
Sample : 8260 STD 1.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 06:17:16 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 09 11:01:14 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92857	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	151045	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83438	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	84313	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59977	26.38	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.52%				
45) TOLUENE-D8 SS	6.438	98	157207	25.75	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.00%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	63858	24.70	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.80%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	4140	1.95	UG/L		97
4) DIFLUOROCHLOROMETHANE	1.138	51	5509	1.40	UG/L	#	92
5) CHLOROMETHANE	1.240	50	13053	2.28	UG/L		96
6) VINYL CHLORIDE	1.308	62	4680	1.72	UG/L		90
7) BROMOMETHANE	1.504	94	823	0.99	UG/L	#	74
8) CHLOROETHANE	1.573	64	2523	2.03	UG/L		95
9) FLUORODICHLOROMETHANE	1.701	67	6095	2.26	UG/L		91
10) TRICHLOROFLUOROMETHANE	1.735	101	5274	2.08	UG/L		100
12) DI ETHYL ETHER	1.931	59	2691	1.58	UG/L	#	80
13) ACROLEIN	2.036	56	9329	15.99	UG/L	#	94
14) ACETONE	2.152	43	14939m	16.64	UG/L		
15) 1,1-DICHLOROETHENE	2.096	61	5085	1.77	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.087	101	2609	2.23	UG/L		92
17) IODOMETHANE	2.218	142	9508	4.91	UG/L		100
18) METHYL ACETATE	2.402	43	5084	1.67	UG/L		98
19) T-BUTYL ALCOHOL	2.599	59	5019	15.92	UG/L	#	85
20) ACRYLONITRILE	2.724	53	1486	1.24	UG/L	#	79
21) METHYLENE CHLORIDE	2.488	49	5813	1.46	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	86494	22.42	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.726	73	8071	2.08	UG/L	#	83
24) TRANS 1,2-DICHLOROETHENE	2.724	61	4953	1.75	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.150	63	5883	1.75	UG/L	#	93
26) VINYL ACETATE	3.212	43	108291	15.85	UG/L	#	95
27) DI ISOPROPYL ETHER	3.218	45	13527	1.41	UG/L	#	87
28) 2-BUTANONE	3.781	43	21580m	14.60	UG/L		
29) T-BUTYL ETHYL ETHER	3.590	59	11239	1.54	UG/L	#	93
30) CIS-1,2-DICHLOROETHENE	3.747	61	6000	1.79	UG/L	#	88
31) 2,2-DICHLOROPROPANE	3.738	77	4790	2.30	UG/L		97
32) ETHYL ACETATE	3.838	43	4983m	1.50	UG/L		
33) BROMOCHLOROMETHANE	3.991	128	1366	2.15	UG/L	#	65
34) TETRAHYDROFURAN	4.042	42	1602	1.48	UG/L	#	73
35) T-BUTYL FORMATE	4.128	59	3669	1.63	UG/L	#	91
36) CHLOROFORM	4.074	83	5492	2.23	UG/L		96
37) 1,1,1-TRICHLOROETHANE	4.233	97	4794	2.11	UG/L		96
38) CYCLOHEXANE	4.278	56	10085	1.90	UG/L	#	81
39) CARBON TETRACHLORIDE	4.398	117	4254	2.04	UG/L		99
40) 1,1-DICHLOROPROPENE	4.400	75	4346	2.27	UG/L		95
41) BENZENE	4.608	78	12006	2.26	UG/L		99
42) T-AMYL ALCOHOL	4.665	59	3496	15.02	UG/L	#	83
43) T-AMYLMETHYL ETHER	4.730	73	8145	2.08	UG/L	#	89
46) 1,2-DICHLOROETHANE	4.648	62	5183	1.66	UG/L	#	89
47) TRICHLOROETHENE	5.247	95	3100	2.05	UG/L		98
48) METHYLCYCLOHEXANE	5.415	83	5260	1.94	UG/L	#	79

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

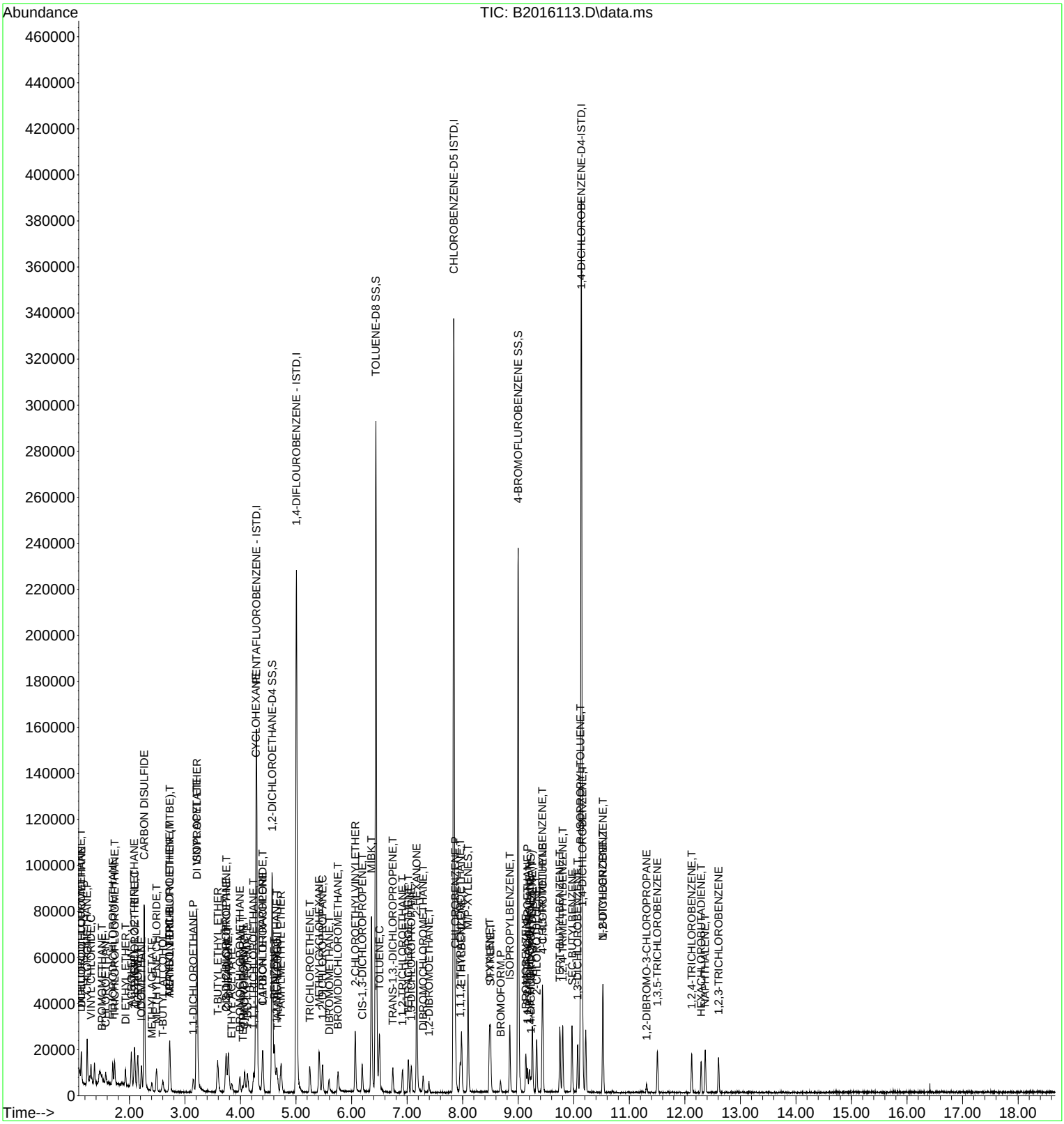
Quant Time: Jun 09 11:01:14 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.478	63	3346	1.59	UG/L		91
50) DIBROMOMETHANE	5.597	93	1992	2.01	UG/L		88
52) BROMODICHLOROMETHANE	5.753	83	4035	1.87	UG/L	#	97
53) 2-CHLOROETHYLVINYLETHER	6.066	63	9154	5.35	UG/L		83
54) MIBK	6.356	43	48420	14.06	UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.191	75	4699	1.83	UG/L		95
56) TOLUENE	6.503	91	13533	1.98	UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	4236	1.88	UG/L		96
59) 1,1,2-TRICHLOROETHANE	6.916	97	2597	1.87	UG/L		95
60) 2-HEXANONE	7.171	43	35448	13.98	UG/L	#	99
61) TETRACHLOROETHENE	7.021	164	2579	1.81	UG/L		95
62) 1,3-DICHLOROPROPANE	7.075	76	4650	1.91	UG/L		85
63) DIBROMOCHLOROMETHANE	7.288	129	3007	1.70	UG/L		97
64) 1,2-DIBROMOETHANE	7.393	107	2993	1.90	UG/L	#	96
67) CHLOROBENZENE	7.865	112	8912	2.06	UG/L	#	84
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	2832	1.76	UG/L		91
69) ETHYLBENZENE	7.978	91	15459	2.03	UG/L		97
70) M/P-XYLENES	8.095	91	24833	4.13	UG/L		99
71) 0-XYLENE	8.484	91	12555	1.99	UG/L		98
72) STYRENE	8.501	104	9322	1.91	UG/L	#	88
73) BROMOFORM	8.683	173	1902	1.50	UG/L	#	93
74) ISOPROPYLBENZENE	8.848	105	15792	2.04	UG/L		97
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	4118	2.04	UG/L	#	95
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	1337	1.05	UG/L	#	48
78) BROMOBENZENE	9.138	77	5754	2.07	UG/L		91
79) 1,2,3-TRICHLOROPROPANE	9.203	110	1063	1.62	UG/L		76
80) N-PROPYLBENZENE	9.255	91	19462	2.04	UG/L		100
81) 2-CHLOROT0LUENE	9.331	91	11579	2.10	UG/L		98
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	13208	1.95	UG/L		100
83) 4-CHLOROTOLUENE	9.442	91	12843	1.97	UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	11673	2.26	UG/L		98
86) 1,2,4-TRIMETHYLBENZENE	9.803	105	13410	2.21	UG/L		96
87) SEC-BUTYLBENZENE	9.971	105	17219	2.27	UG/L		99
88) 1,3-DICHLOROBENZENE	10.070	146	7417	2.16	UG/L		99
89) P-ISOPROPYLTOLUENE	10.118	119	14157	2.17	UG/L		95
90) 1,4-DICHLOROBENZENE	10.158	146	7641	2.18	UG/L	#	86
91) N-BUTYLBENZENE	10.522	91	13967	2.27	UG/L		97
92) 1,2-DICHLOROBENZENE	10.525	146	6975	2.14	UG/L		98
93) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	705	1.85	UG/L		93
94) 1,3,5-TRICHLOROBENZENE	11.505	180	5454	1.97	UG/L		92
95) 1,2,4-TRICHLOROBENZENE	12.122	180	4718	1.94	UG/L		91
96) HEXACHLOROBUTADIENE	12.293	225	2454	1.63	UG/L		98
97) NAPHTHALENE	12.364	128	12299	2.13	UG/L		99
98) 1,2,3-TRICHLOROBENZENE	12.608	180	4400	1.94	UG/L		94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

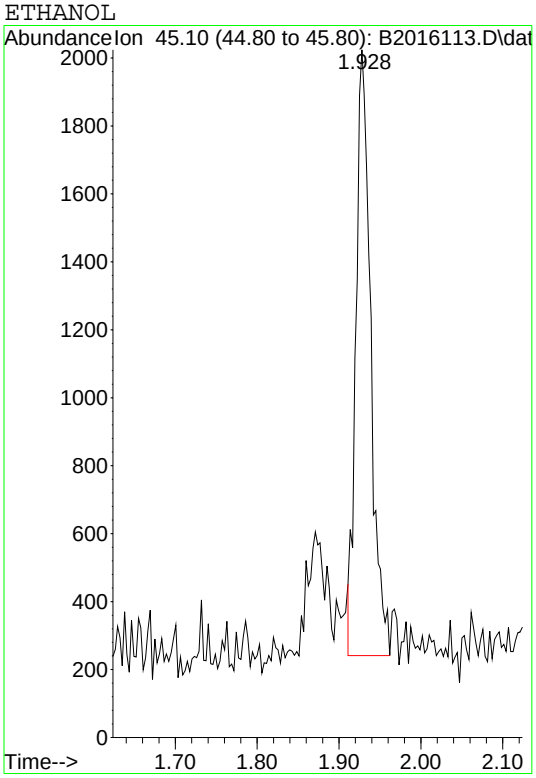
Quant Time: Jun 09 11:01:14 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:01:14 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

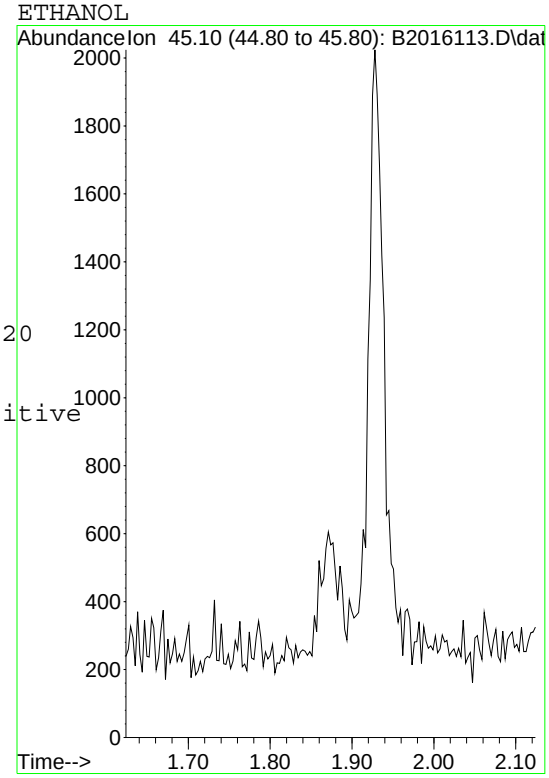
RT : 1.93
Area : 2235
Amount: 98.6497

Manual Int. Results

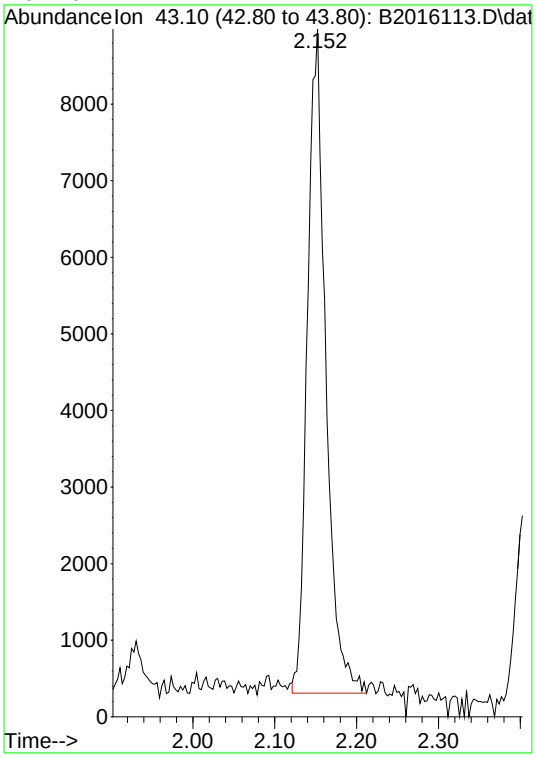
Tue Jun 09 11:00:01 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
ACETONE



Original Int. Results

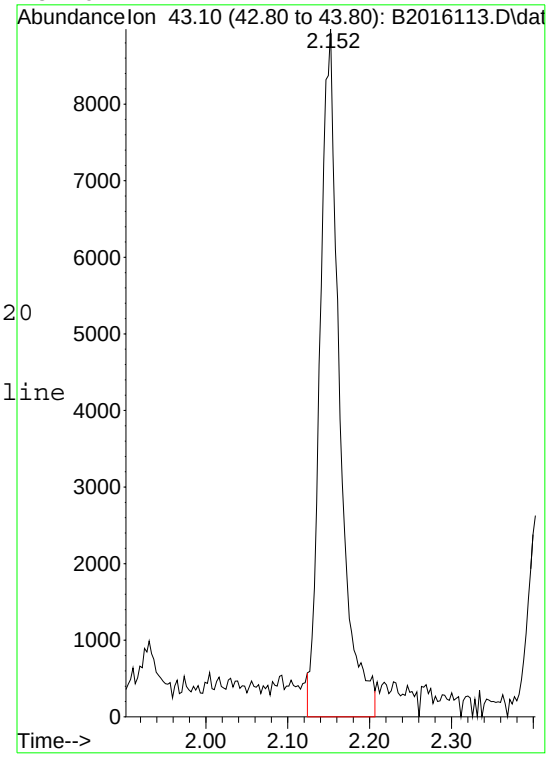
RT : 2.15
Area : 13474
Amount: 15.0049

Manual Int. Results

Tue Jun 09 11:00:08 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.15
Area : 14939
Amount: 16.6364

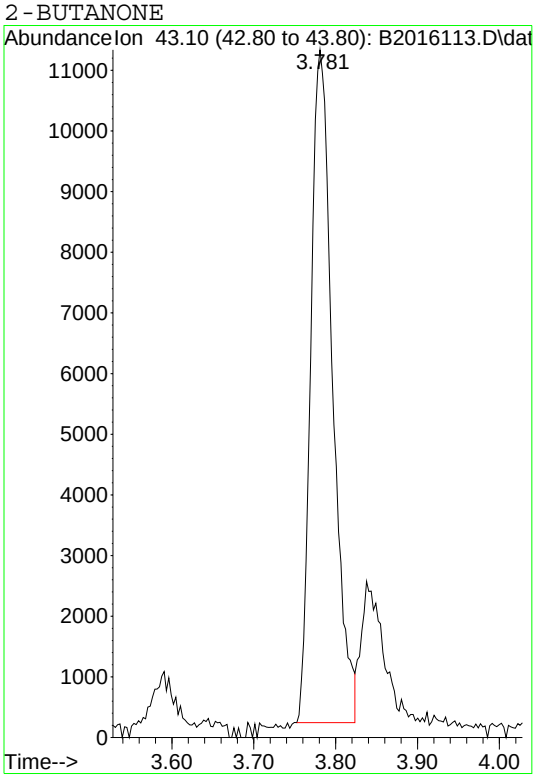
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:01:14 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
2-BUTANONE



Original Int. Results

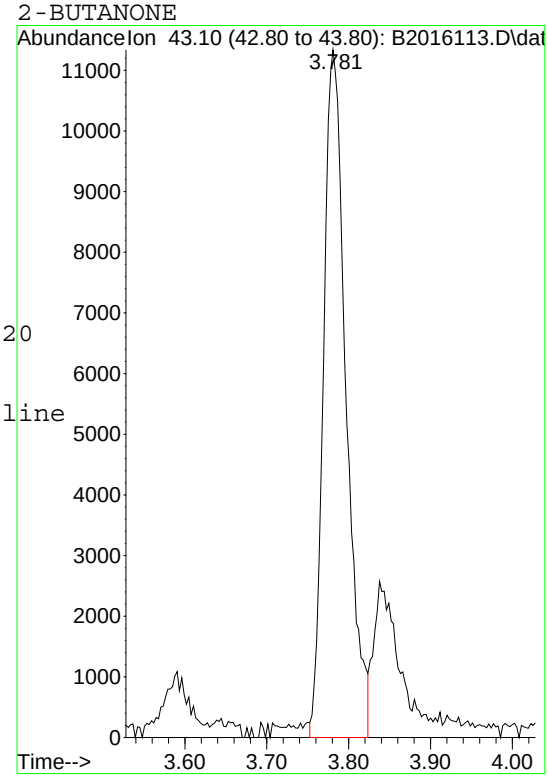
RT : 3.78
Area : 20531
Amount: 13.889

Manual Int. Results

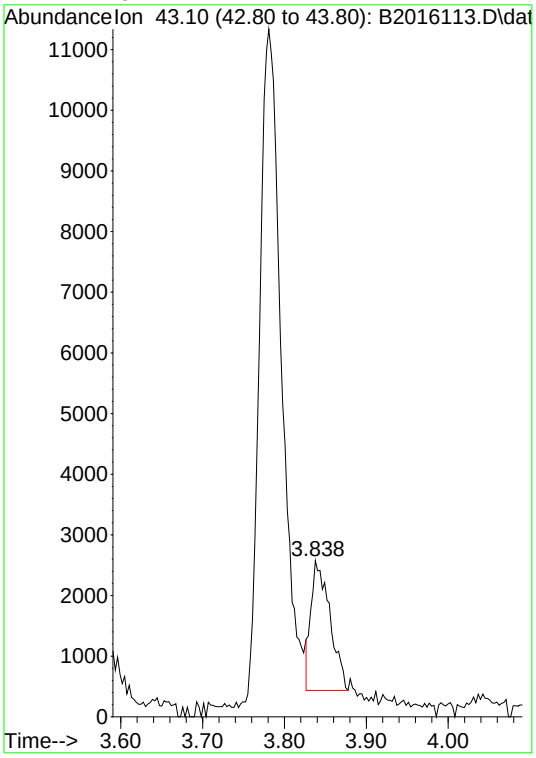
Tue Jun 09 11:00:48 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.78
Area : 21580
Amount: 14.5987

Manual Integration
2-BUTANONE



Original Integration
ETHYL ACETATE



Original Int. Results

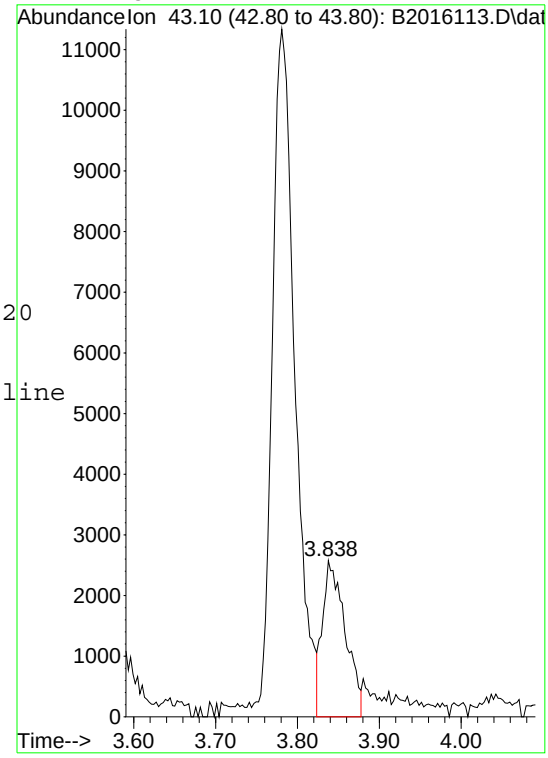
RT : 3.84
Area : 3426
Amount: 1.03092

Manual Int. Results

Tue Jun 09 11:00:56 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 4983
Amount: 1.49944

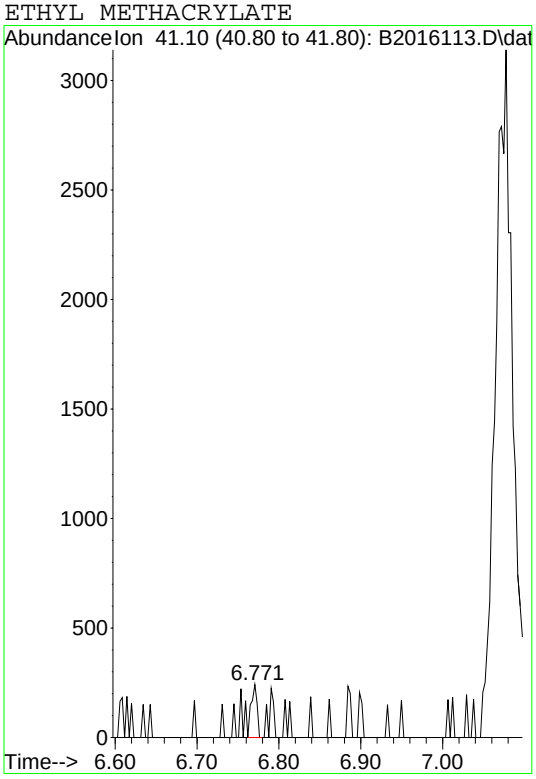
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:01:14 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL METHACRYLATE



Original Int. Results

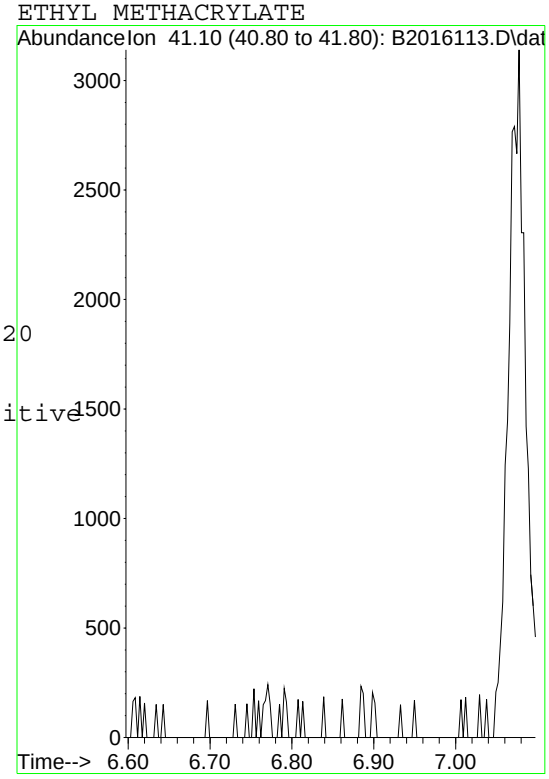
RT : 6.77
Area : 122
Amount: 0

Manual Int. Results

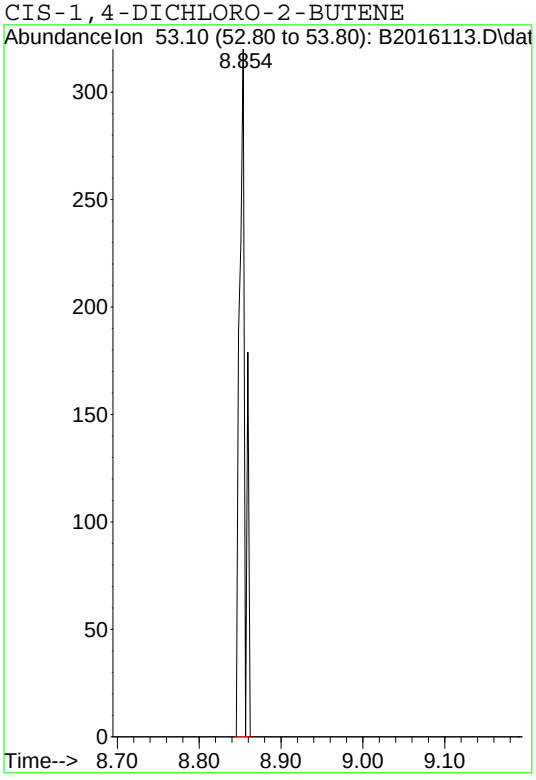
Tue Jun 09 11:01:13 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

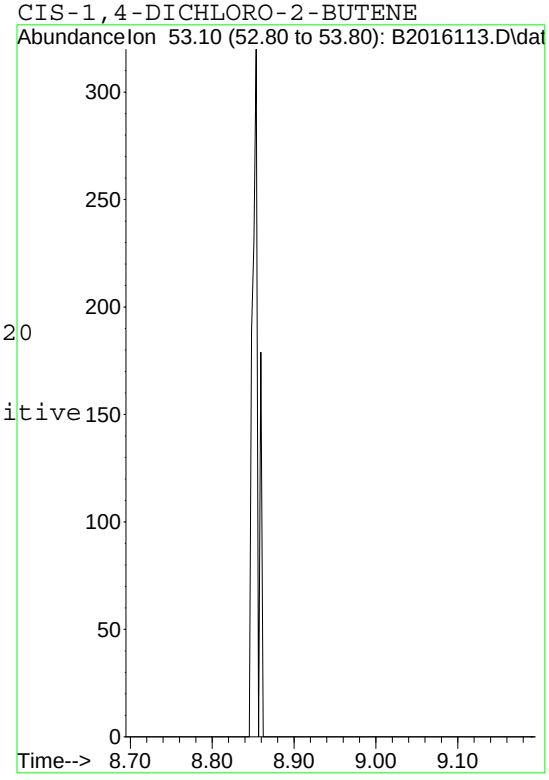
RT : 8.85
Area : 157
Amount: 0

Manual Int. Results

Tue Jun 09 11:01:22 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 10 06:17:19 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92857	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	151045	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83438	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	84313	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59977	26.38	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.52%				
45) TOLUENE-D8 SS	6.438	98	157207	25.75	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.00%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	63858	24.70	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.80%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	4140	1.95	UG/L		97
4) DIFLUOROCHLOROMETHANE	1.138	51	5509	1.40	UG/L	#	92
5) CHLOROMETHANE	1.240	50	13053	2.28	UG/L		96
6) VINYL CHLORIDE	1.308	62	4680	1.72	UG/L		90
7) BROMOMETHANE	1.504	94	823	0.99	UG/L	#	74
8) CHLOROETHANE	1.573	64	2523	2.03	UG/L		95
9) FLUORODICHLOROMETHANE	1.701	67	6095	2.26	UG/L		91
10) TRICHLOROFLUOROMETHANE	1.735	101	5274	2.08	UG/L		100
11) ETHANOL	1.928	45	2235	98.65	UG/L	#	30
12) DI ETHYL ETHER	1.931	59	2691	1.58	UG/L	#	80
13) ACROLEIN	2.036	56	9329	15.99	UG/L	#	94
14) ACETONE	2.152	43	13474	15.00	UG/L		99
15) 1,1-DICHLOROETHENE	2.096	61	5085	1.77	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.087	101	2609	2.23	UG/L		92
17) IODOMETHANE	2.218	142	9508	4.91	UG/L		100
18) METHYL ACETATE	2.402	43	5084	1.67	UG/L		98
19) T-BUTYL ALCOHOL	2.599	59	5019	15.92	UG/L	#	85
20) ACRYLONITRILE	2.724	53	1486	1.24	UG/L	#	79
21) METHYLENE CHLORIDE	2.488	49	5813	1.46	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	86494	22.42	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.726	73	8071	2.08	UG/L	#	83
24) TRANS 1,2-DICHLOROETHENE	2.724	61	4953	1.75	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.150	63	5883	1.75	UG/L	#	93
26) VINYL ACETATE	3.212	43	108291	15.85	UG/L	#	95
27) DI ISOPROPYL ETHER	3.218	45	13527	1.41	UG/L	#	87
28) 2-BUTANONE	3.781	43	20531	13.89	UG/L	#	90
29) T-BUTYL ETHYL ETHER	3.590	59	11239	1.54	UG/L	#	93
30) CIS-1,2-DICHLOROETHENE	3.747	61	6000	1.79	UG/L	#	88
31) 2,2-DICHLOROPROPANE	3.738	77	4790	2.30	UG/L		97
32) ETHYL ACETATE	3.838	43	3426	1.03	UG/L	#	83
33) BROMOCHLOROMETHANE	3.991	128	1366	2.15	UG/L	#	65
34) TETRAHYDROFURAN	4.042	42	1602	1.48	UG/L	#	73
35) T-BUTYL FORMATE	4.128	59	3669	1.73	UG/L	#	91
36) CHLOROFORM	4.074	83	5492	2.23	UG/L		96
37) 1,1,1-TRICHLOROETHANE	4.233	97	4794	2.11	UG/L		96
38) CYCLOHEXANE	4.278	56	10085	1.90	UG/L	#	81
39) CARBON TETRACHLORIDE	4.398	117	4254	2.04	UG/L		99
40) 1,1-DICHLOROPROPENE	4.400	75	4346	2.27	UG/L		95
41) BENZENE	4.608	78	12006	2.26	UG/L		99
42) T-AMYL ALCOHOL	4.665	59	3496	17.56	UG/L	#	83
43) T-AMYLMETHYL ETHER	4.730	73	8145	2.08	UG/L	#	89
46) 1,2-DICHLOROETHANE	4.648	62	5183	1.66	UG/L	#	89
47) TRICHLOROETHENE	5.247	95	3100	2.05	UG/L		98

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 10 06:17:19 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

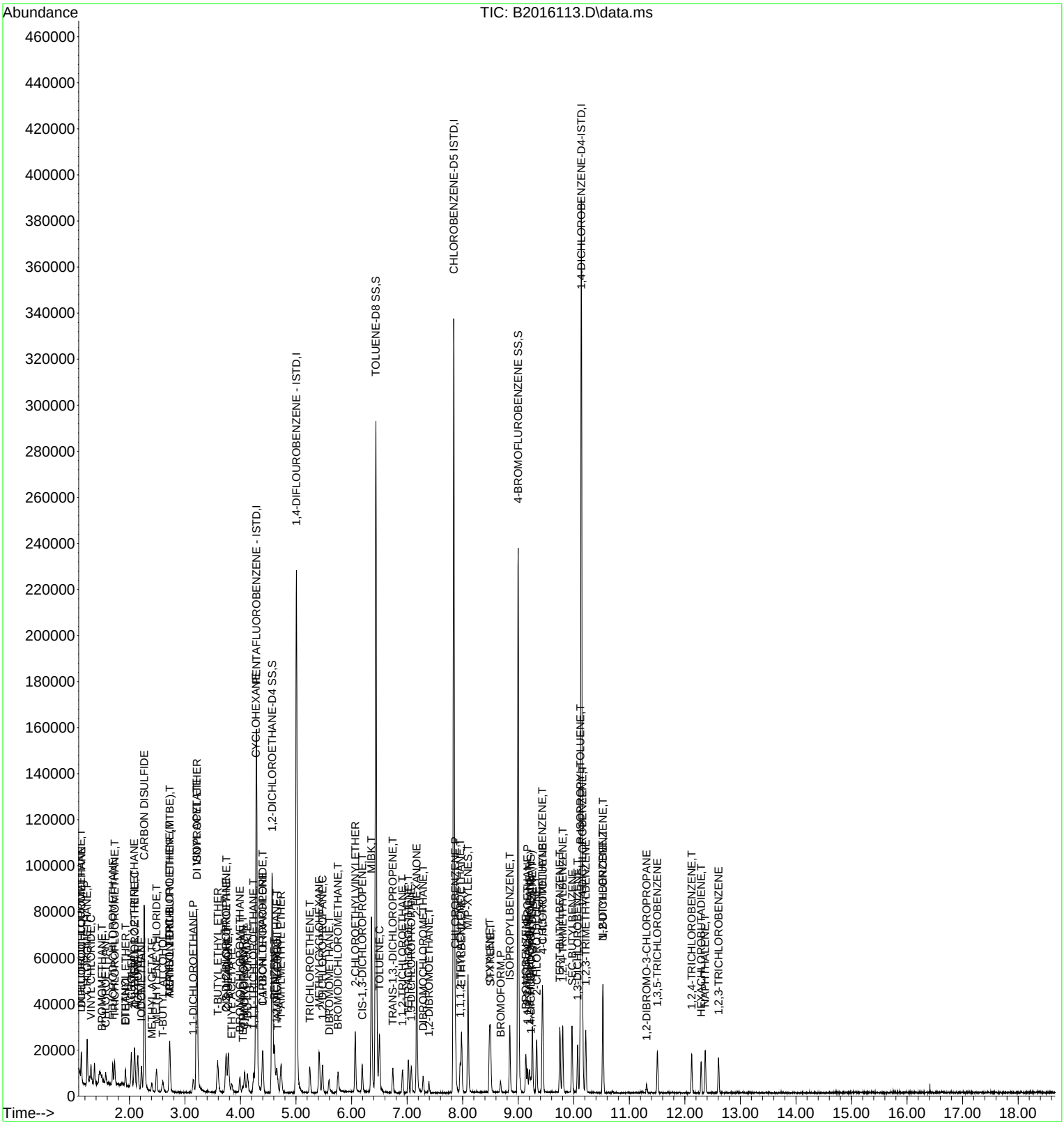
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	5260	1.94 UG/L	#	79
49) 1,2-DICHLOROPROPANE	5.478	63	3346	1.59 UG/L		91
50) DIBROMOMETHANE	5.597	93	1992	2.01 UG/L		88
52) BROMODICHLOROMETHANE	5.753	83	4035	1.87 UG/L	#	97
53) 2-CHLOROETHYLVINYLETHER	6.066	63	9154	5.35 UG/L		83
54) MIBK	6.356	43	48420	14.06 UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.191	75	4699	1.83 UG/L		95
56) TOLUENE	6.503	91	13533	1.98 UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	4236	1.88 UG/L		96
59) 1,1,2-TRICHLOROETHANE	6.916	97	2597	1.87 UG/L		95
60) 2-HEXANONE	7.171	43	35448	13.98 UG/L	#	99
61) TETRACHLOROETHENE	7.021	164	2579	1.81 UG/L		95
62) 1,3-DICHLOROPROPANE	7.075	76	4650	1.91 UG/L		85
63) DIBROMOCHLOROMETHANE	7.288	129	3007	1.70 UG/L		97
64) 1,2-DIBROMOETHANE	7.393	107	2993	1.90 UG/L	#	96
67) CHLOROBENZENE	7.865	112	8912	2.06 UG/L	#	84
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	2832	1.76 UG/L		91
69) ETHYLBENZENE	7.978	91	15459	2.03 UG/L		97
70) M/P-XYLENES	8.095	91	24833	4.13 UG/L		99
71) 0-XYLENE	8.484	91	12555	1.99 UG/L		98
72) STYRENE	8.501	104	9322	1.91 UG/L	#	88
73) BROMOFORM	8.683	173	1902	1.50 UG/L	#	93
74) ISOPROPYLBENZENE	8.848	105	15792	2.04 UG/L		97
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	4118	2.04 UG/L	#	95
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	1337	1.05 UG/L	#	48
78) BROMOBENZENE	9.138	77	5754	2.07 UG/L		91
79) 1,2,3-TRICHLOROPROPANE	9.203	110	1063	1.62 UG/L		76
80) N-PROPYLBENZENE	9.255	91	19462	2.04 UG/L		100
81) 2-CHLOROT0LUENE	9.331	91	11579	2.10 UG/L		98
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	13208	1.95 UG/L		100
83) 4-CHLOROTOLUENE	9.442	91	12843	1.97 UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	11673	2.26 UG/L		98
86) 1,2,4-TRIMETHYLBENZENE	9.803	105	13410	2.21 UG/L		96
87) SEC-BUTYLBENZENE	9.971	105	17219	2.27 UG/L		99
88) 1,3-DICHLOROBENZENE	10.070	146	7417	2.16 UG/L		99
89) P-ISOPROPYLTOLUENE	10.118	119	14157	2.17 UG/L		95
90) 1,4-DICHLOROBENZENE	10.158	146	7641	2.18 UG/L	#	86
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	12993	2.19 UG/L	#	100
92) N-BUTYLBENZENE	10.522	91	13967	2.27 UG/L		97
93) 1,2-DICHLOROBENZENE	10.525	146	6975	2.14 UG/L		98
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	705	1.85 UG/L		93
95) 1,3,5-TRICHLOROBENZENE	11.505	180	5454	1.97 UG/L		92
96) 1,2,4-TRICHLOROBENZENE	12.122	180	4718	1.94 UG/L		91
97) HEXACHLOROBUTADIENE	12.293	225	2454	1.63 UG/L		98
98) NAPHTHALENE	12.364	128	12299	2.13 UG/L		99
99) 1,2,3-TRICHLOROBENZENE	12.608	180	4400	1.94 UG/L		94

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016113.D
Acq On : 9 Jun 2020 10:38 am
Operator :
Sample : 8260 STD 2.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 10 06:17:19 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	93151	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	151197	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	84276	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	84756	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	61102	26.78	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.12%				
45) TOLUENE-D8 SS	6.438	98	159392	26.08	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.32%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64293	24.62	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.48%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	10563	4.95	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.138	51	13261	3.36	UG/L	#	90
5) CHLOROMETHANE	1.240	50	32132	5.59	UG/L		99
6) VINYL CHLORIDE	1.309	62	11381	4.16	UG/L		96
7) BROMOMETHANE	1.507	94	2047	2.46	UG/L		83
8) CHLOROETHANE	1.573	64	6091	4.90	UG/L		99
9) FLUORODICHLOROMETHANE	1.701	67	15417	5.71	UG/L		97
10) TRICHLOROFLUOROMETHANE	1.735	101	12799	5.03	UG/L		99
11) ETHANOL	1.874	45	1408m	83.09	UG/L		
12) DI ETHYL ETHER	1.931	59	6185	3.63	UG/L	#	74
13) ACROLEIN	2.036	56	22472	38.39	UG/L	#	89
14) ACETONE	2.150	43	32392m	35.96	UG/L		
15) 1,1-DICHLOROETHENE	2.096	61	13174	4.58	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.093	101	6739	5.75	UG/L		89
17) IODOMETHANE	2.218	142	30596	15.75	UG/L		97
18) METHYL ACETATE	2.403	43	9633m	3.15	UG/L		
19) T-BUTYL ALCOHOL	2.602	59	11869	37.52	UG/L		98
20) ACRYLONITRILE	2.730	53	3635	3.03	UG/L		95
21) METHYLENE CHLORIDE	2.488	49	13761	3.45	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	213975	55.30	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.724	73	18979	4.87	UG/L	#	82
24) TRANS 1,2-DICHLOROETHENE	2.721	61	12399	4.36	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.153	63	14679	4.36	UG/L		96
26) VINYL ACETATE	3.216	43	255796	37.33	UG/L	#	94
27) DI ISOPROPYL ETHER	3.216	45	31693	3.29	UG/L	#	83
28) 2-BUTANONE	3.781	43	49062	33.09	UG/L	#	89
29) T-BUTYL ETHYL ETHER	3.591	59	26894	3.67	UG/L	#	93
30) CIS-1,2-DICHLOROETHENE	3.747	61	14592	4.34	UG/L	#	88
31) 2,2-DICHLOROPROPANE	3.738	77	11704	5.61	UG/L		100
32) ETHYL ACETATE	3.844	43	11304m	3.39	UG/L		
33) BROMOCHLOROMETHANE	3.991	128	3348	5.25	UG/L	#	64
34) TETRAHYDROFURAN	4.037	42	3267	3.01	UG/L	#	82
35) T-BUTYL FORMATE	4.125	59	8328	3.69	UG/L	#	92
36) CHLOROFORM	4.077	83	13145	5.32	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.239	97	12471	5.47	UG/L		91
38) CYCLOHEXANE	4.278	56	21334	4.02	UG/L	#	84
39) CARBON TETRACHLORIDE	4.395	117	10865	5.19	UG/L		96
40) 1,1-DICHLOROPROPENE	4.403	75	10773	5.61	UG/L		96
41) BENZENE	4.614	78	28000	5.26	UG/L		98
42) T-AMYL ALCOHOL	4.665	59	8126	34.80	UG/L	#	87
43) T-AMYLMETHYL ETHER	4.727	73	19156m	4.88	UG/L		
46) 1,2-DICHLOROETHANE	4.645	62	12503	3.99	UG/L	#	90
47) TRICHLOROETHENE	5.253	95	7809	5.17	UG/L		98

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
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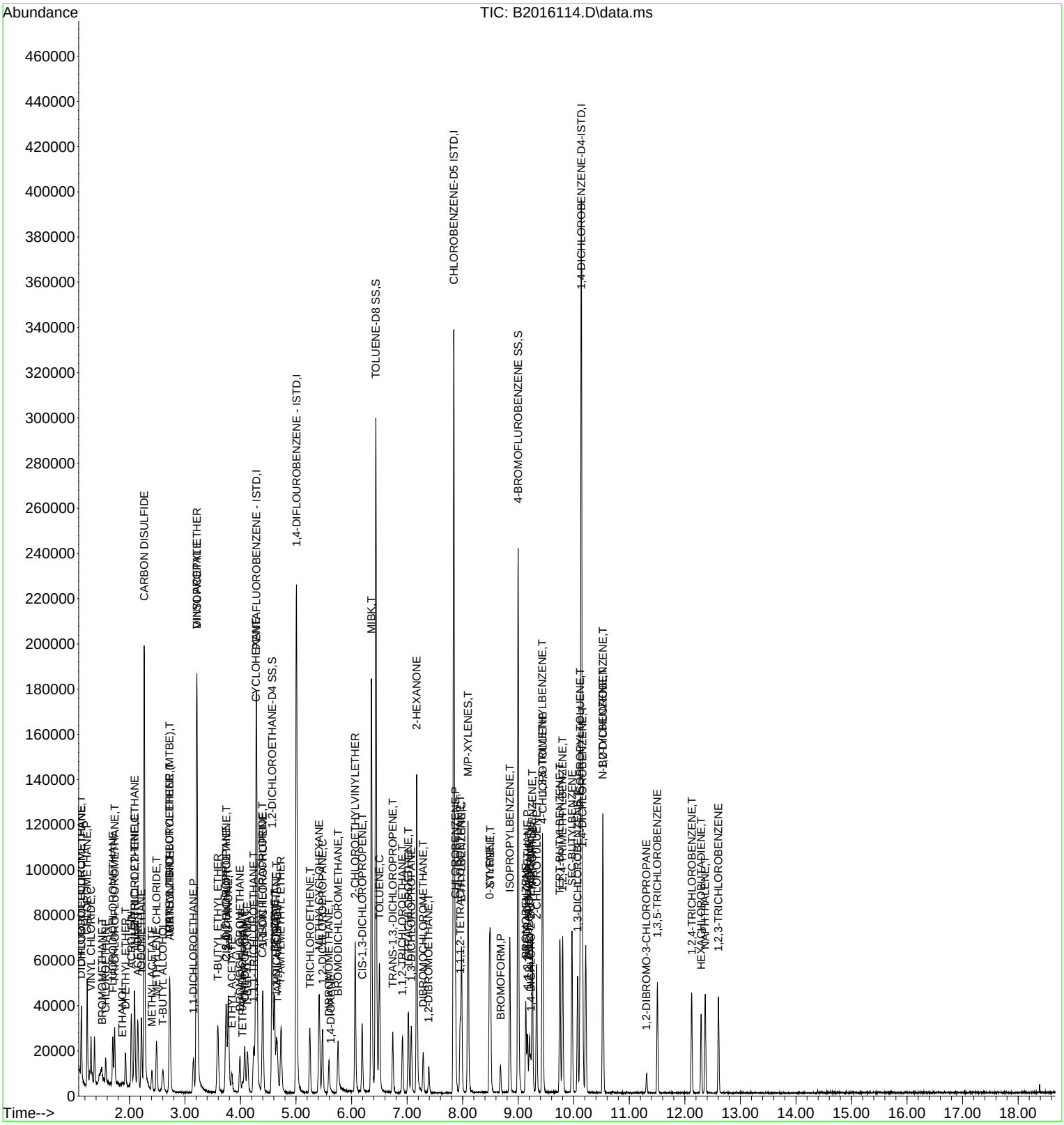
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	13586	5.01	UG/L	#	73
49) 1,2-DICHLOROPROPANE	5.478	63	8323	3.94	UG/L		98
50) DIBROMOMETHANE	5.591	93	4666	4.71	UG/L		91
51) 1,4-DIOXANE	5.625	88	714	45.28	UG/L	#	61
52) BROMODICHLOROMETHANE	5.756	83	9948	4.60	UG/L	#	96
53) 2-CHLOROETHYLVINYLETHER	6.063	63	23291	13.61	UG/L	#	79
54) MIBK	6.356	43	116898	33.91	UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.191	75	12235	4.76	UG/L		90
56) TOLUENE	6.504	91	32799	4.79	UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	10673	4.72	UG/L		91
59) 1,1,2-TRICHLOROETHANE	6.913	97	6224	4.47	UG/L		92
60) 2-HEXANONE	7.172	43	84637	33.35	UG/L	#	99
61) TETRACHLOROETHENE	7.021	164	6834	4.79	UG/L		96
62) 1,3-DICHLOROPROPANE	7.075	76	11548	4.74	UG/L	#	77
63) DIBROMOCHLOROMETHANE	7.291	129	7400	4.18	UG/L		99
64) 1,2-DIBROMOETHANE	7.388	107	7100	4.50	UG/L	#	100
67) CHLOROBENZENE	7.868	112	21770	4.97	UG/L		96
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	7286	4.47	UG/L		96
69) ETHYLBENZENE	7.979	91	38043	4.94	UG/L		98
70) M/P-XYLENES	8.095	91	60723	10.01	UG/L		100
71) 0-XYLENE	8.482	91	30301	4.75	UG/L		100
72) STYRENE	8.499	104	23034	4.67	UG/L	#	87
73) BROMOFORM	8.683	173	4871	3.81	UG/L	#	96
74) ISOPROPYLBENZENE	8.848	105	38820	4.96	UG/L		99
76) 1,1,2,2-TETRACHLOROETHANE	9.167	83	9770	4.79	UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	3313	2.58	UG/L		93
78) BROMOBENZENE	9.138	77	13829	4.92	UG/L		91
79) 1,2,3-TRICHLOROPROPANE	9.201	110	2757	4.17	UG/L		93
80) N-PROPYLBENZENE	9.255	91	47943	4.97	UG/L		100
81) 2-CHLOROT0LUENE	9.331	91	26570	4.77	UG/L		99
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	31987	4.69	UG/L		97
83) 4-CHLOROTOLUENE	9.442	91	32000	4.86	UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	28372	5.46	UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	32506	5.33	UG/L		96
87) SEC-BUTYLBENZENE	9.968	105	42576	5.58	UG/L		100
88) 1,3-DICHLOROBENZENE	10.070	146	18122	5.25	UG/L		98
89) P-ISOPROPYLTOLUENE	10.116	119	35322	5.40	UG/L		98
90) 1,4-DICHLOROBENZENE	10.158	146	18494	5.25	UG/L		94
91) N-BUTYLBENZENE	10.522	91	34050	5.49	UG/L		98
92) 1,2-DICHLOROBENZENE	10.525	146	17505	5.34	UG/L		99
93) 1,2-DIBROMO-3-CHLOROPR...	11.309	75	1764	4.59	UG/L		95
94) 1,3,5-TRICHLOROBENZENE	11.506	180	13531	4.86	UG/L		96
95) 1,2,4-TRICHLOROBENZENE	12.125	180	11744	4.81	UG/L		95
96) HEXACHLOROBUTADIENE	12.293	225	6216	4.10	UG/L		98
97) NAPHTHALENE	12.367	128	28760	4.95	UG/L		100
98) 1,2,3-TRICHLOROBENZENE	12.605	180	10991	4.83	UG/L		95

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

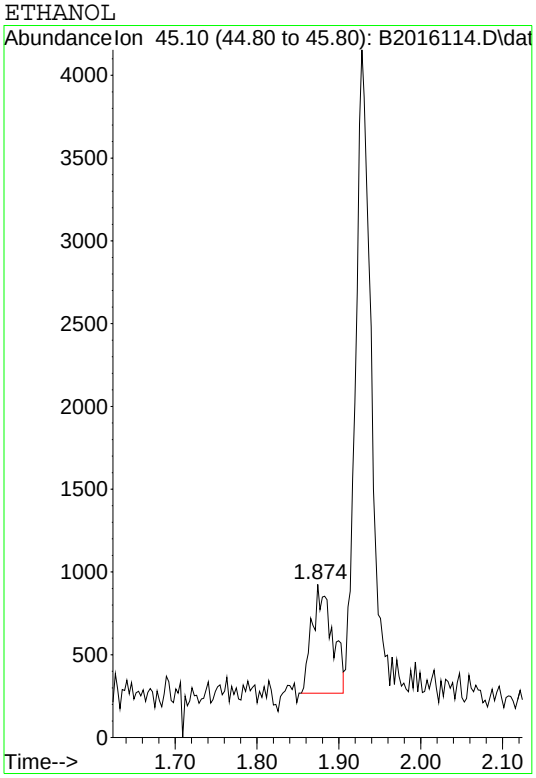
Quant Time: Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

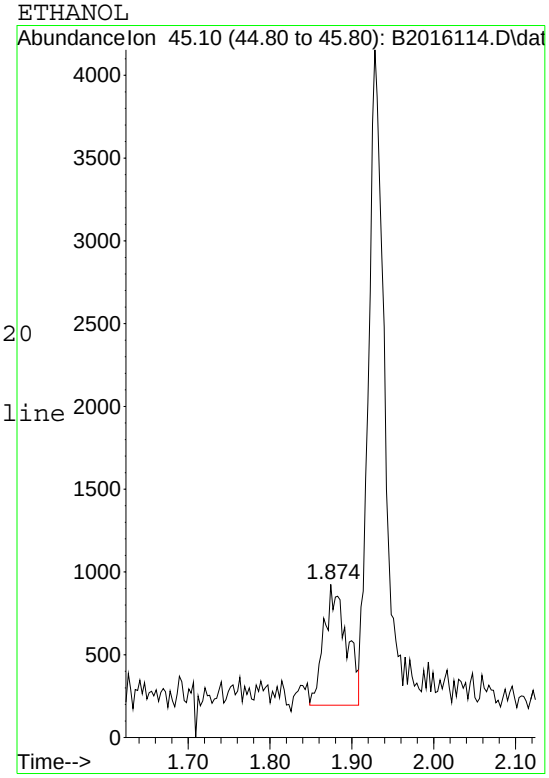
RT : 1.87
Area : 1122
Amount: 77.7596

Manual Int. Results

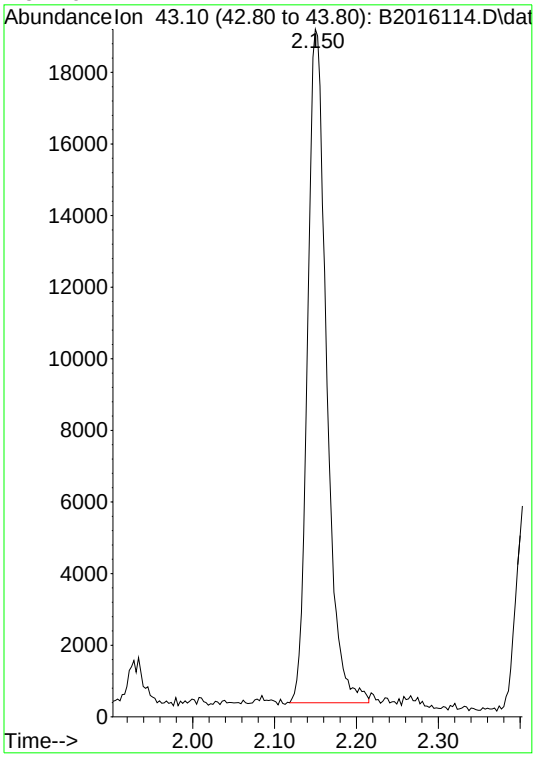
Tue Jun 09 11:40:23 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.87
Area : 1408
Amount: 83.0937

Manual Integration
ETHANOL



Original Integration
ACETONE



Original Int. Results

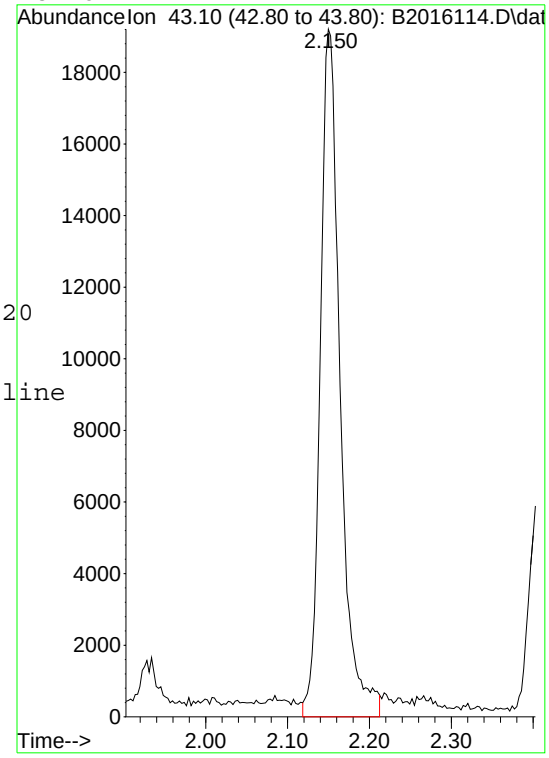
RT : 2.15
Area : 30196
Amount: 33.5207

Manual Int. Results

Tue Jun 09 11:40:36 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.15
Area : 32392
Amount: 35.9585

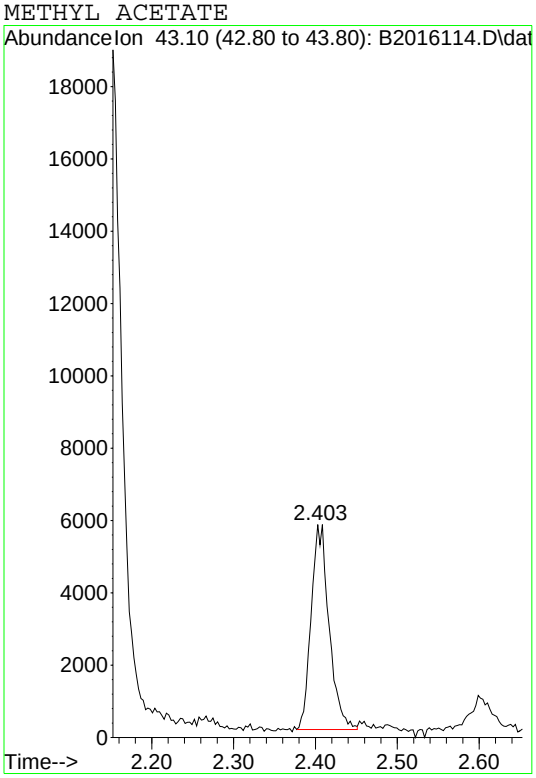
Manual Integration
ACETONE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
METHYL ACETATE



Original Int. Results

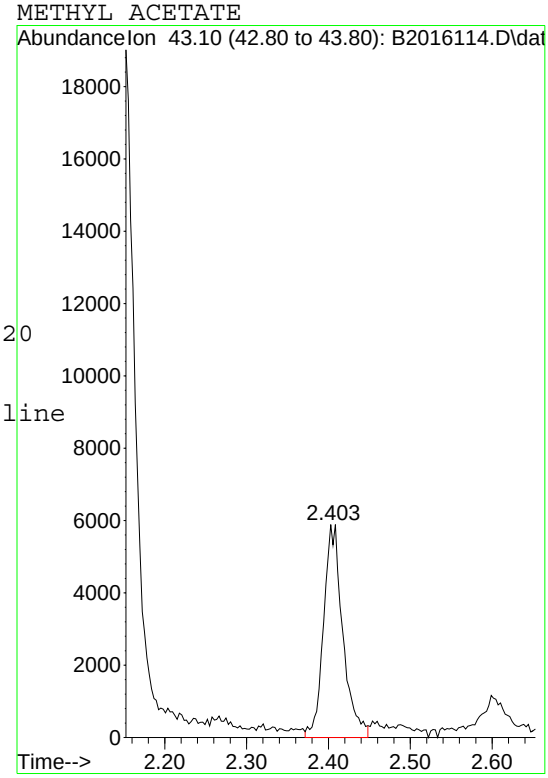
RT : 2.40
Area : 8621
Amount: 2.81866

Manual Int. Results

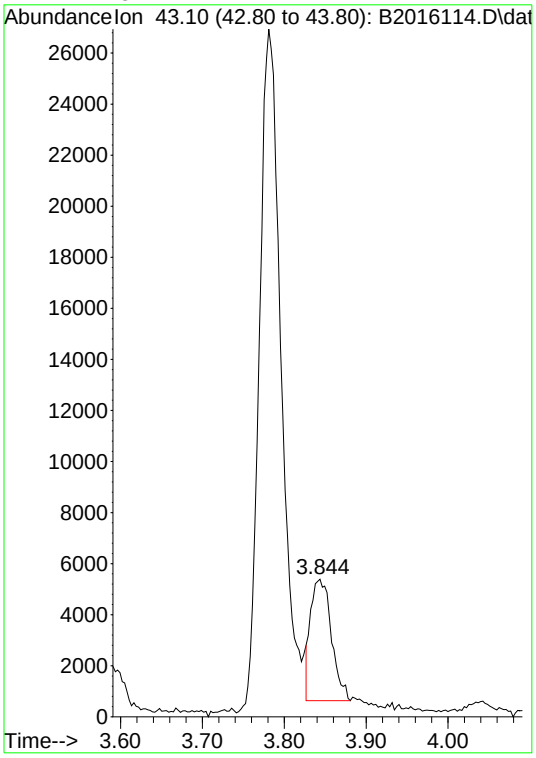
Tue Jun 09 11:40:52 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.40
Area : 9633
Amount: 3.14953

Manual Integration
METHYL ACETATE



Original Integration
ETHYL ACETATE



Original Int. Results

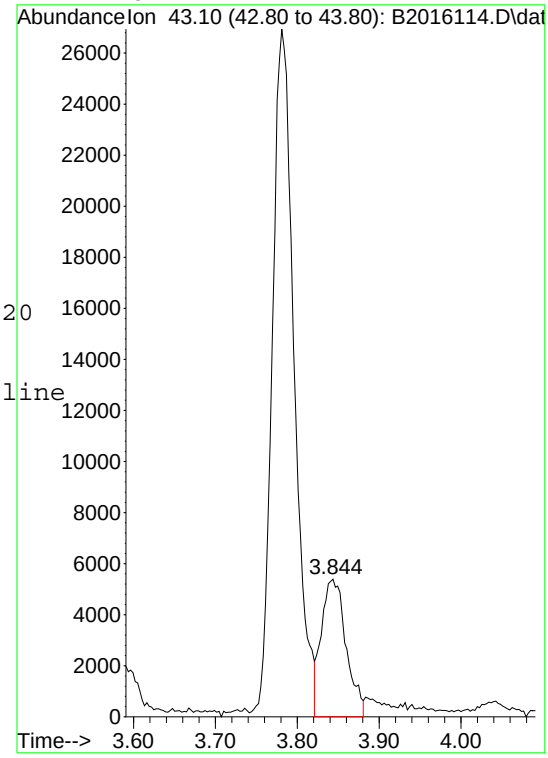
RT : 3.84
Area : 8364
Amount: 2.50888

Manual Int. Results

Tue Jun 09 11:41:04 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 11304
Amount: 3.39077

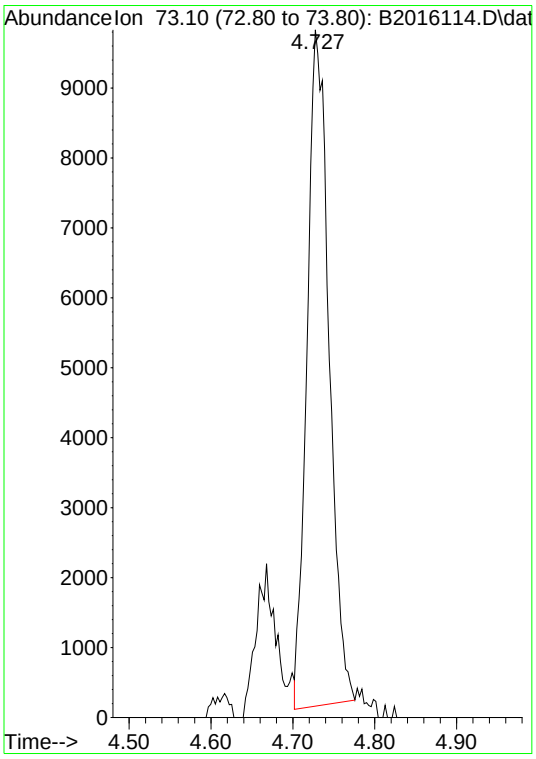
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
T-AMYLMETHYL ETHER



Original Int. Results

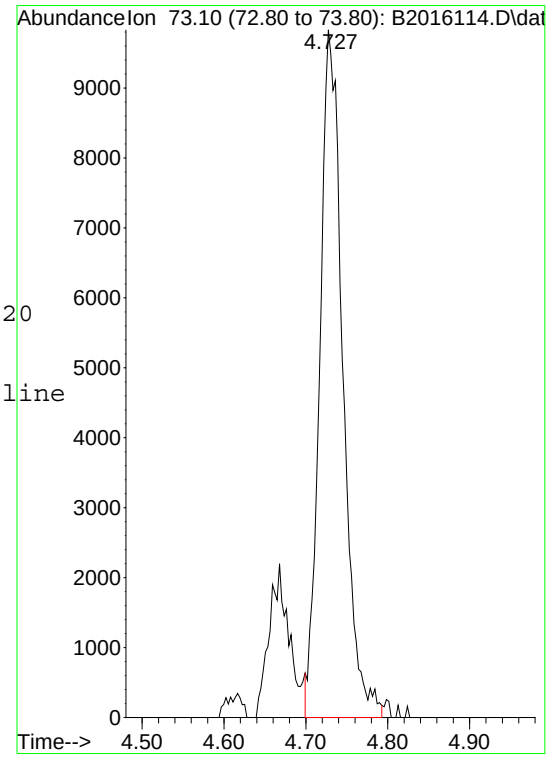
RT : 4.73
Area : 17963
Amount: 4.57863

Manual Int. Results

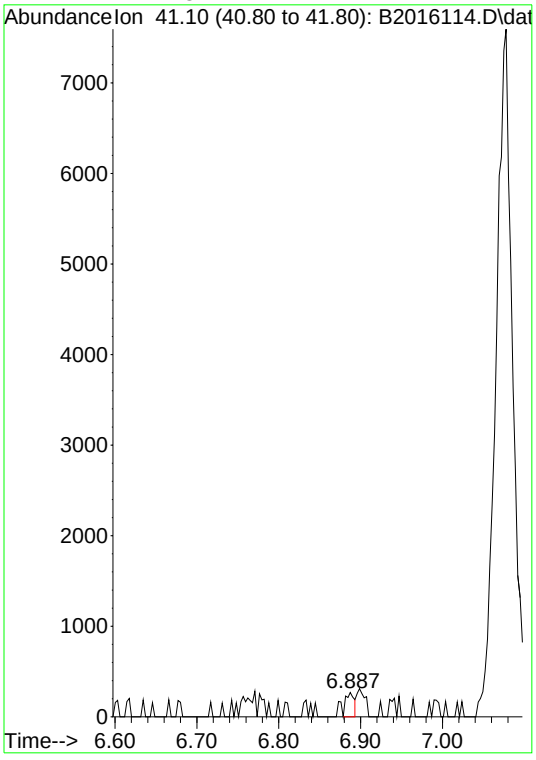
Tue Jun 09 11:44:01 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.73
Area : 19156
Amount: 4.88271

Manual Integration
T-AMYLMETHYL ETHER



Original Integration
ETHYL METHACRYLATE



Original Int. Results

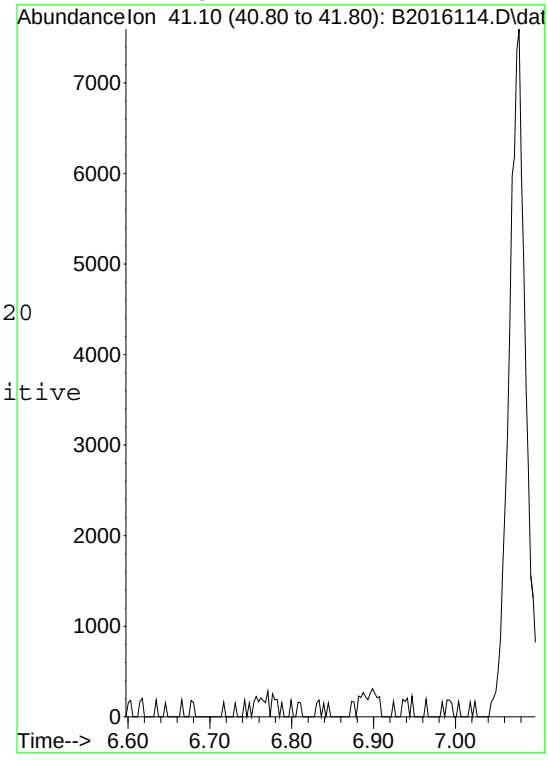
RT : 6.89
Area : 191
Amount: 0

Manual Int. Results

Tue Jun 09 11:45:57 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

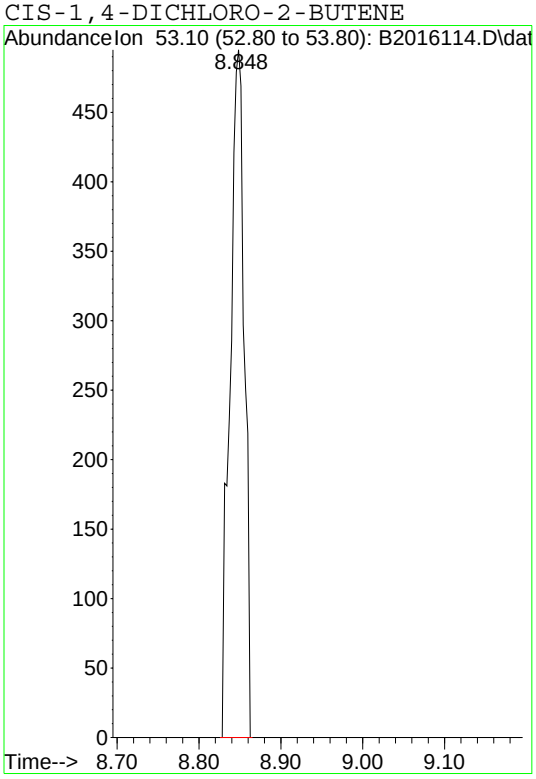
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:45:37 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

RT : 8.85
Area : 599
Amount: 0

Manual Int. Results

Tue Jun 09 11:46:06 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 06:17:22 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	93151	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	151197	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	84276	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	84756	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	61102	26.78	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 107.12%				
45) TOLUENE-D8 SS	6.438	98	159392	26.08	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.32%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64293	24.62	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.48%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	10563	4.95	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.138	51	13261	3.36	UG/L	#	90
5) CHLOROMETHANE	1.240	50	32132	5.59	UG/L		99
6) VINYL CHLORIDE	1.309	62	11381	4.16	UG/L		96
7) BROMOMETHANE	1.507	94	2047	2.46	UG/L		83
8) CHLOROETHANE	1.573	64	6091	4.90	UG/L		99
9) FLUORODICHLOROMETHANE	1.701	67	15417	5.71	UG/L		97
10) TRICHLOROFLUOROMETHANE	1.735	101	12799	5.03	UG/L		99
11) ETHANOL	1.874	45	1122	77.76	UG/L	#	59
12) DI ETHYL ETHER	1.931	59	6185	3.63	UG/L	#	74
13) ACROLEIN	2.036	56	22472	38.39	UG/L	#	89
14) ACETONE	2.150	43	30196	33.52	UG/L		98
15) 1,1-DICHLOROETHENE	2.096	61	13174	4.58	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.093	101	6739	5.75	UG/L		89
17) IODOMETHANE	2.218	142	30596	15.75	UG/L		97
18) METHYL ACETATE	2.403	43	8621	2.82	UG/L	#	84
19) T-BUTYL ALCOHOL	2.602	59	11869	37.52	UG/L		98
20) ACRYLONITRILE	2.730	53	3635	3.03	UG/L		95
21) METHYLENE CHLORIDE	2.488	49	13761	3.45	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	213975	55.30	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.724	73	18979	4.87	UG/L	#	82
24) TRANS 1,2-DICHLOROETHENE	2.721	61	12399	4.36	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.153	63	14679	4.36	UG/L		96
26) VINYL ACETATE	3.216	43	255796	37.33	UG/L	#	94
27) DI ISOPROPYL ETHER	3.216	45	31693	3.29	UG/L	#	83
28) 2-BUTANONE	3.781	43	49062	33.09	UG/L	#	89
29) T-BUTYL ETHYL ETHER	3.591	59	26894	3.67	UG/L	#	93
30) CIS-1,2-DICHLOROETHENE	3.747	61	14592	4.34	UG/L	#	88
31) 2,2-DICHLOROPROPANE	3.738	77	11704	5.61	UG/L		100
32) ETHYL ACETATE	3.844	43	8364	2.51	UG/L	#	88
33) BROMOCHLOROMETHANE	3.991	128	3348	5.25	UG/L	#	64
34) TETRAHYDROFURAN	4.037	42	3267	3.01	UG/L	#	82
35) T-BUTYL FORMATE	4.125	59	8328	3.91	UG/L	#	92
36) CHLOROFORM	4.077	83	13145	5.32	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.239	97	12471	5.47	UG/L		91
38) CYCLOHEXANE	4.278	56	21334	4.02	UG/L	#	84
39) CARBON TETRACHLORIDE	4.395	117	10865	5.19	UG/L		96
40) 1,1-DICHLOROPROPENE	4.403	75	10773	5.61	UG/L		96
41) BENZENE	4.614	78	28000	5.26	UG/L		98
42) T-AMYL ALCOHOL	4.665	59	8126	40.70	UG/L	#	87
43) T-AMYLMETHYL ETHER	4.727	73	17963	4.58	UG/L	#	90
46) 1,2-DICHLOROETHANE	4.645	62	12503	3.99	UG/L	#	90
47) TRICHLOROETHENE	5.253	95	7809	5.17	UG/L		98

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 06:17:22 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

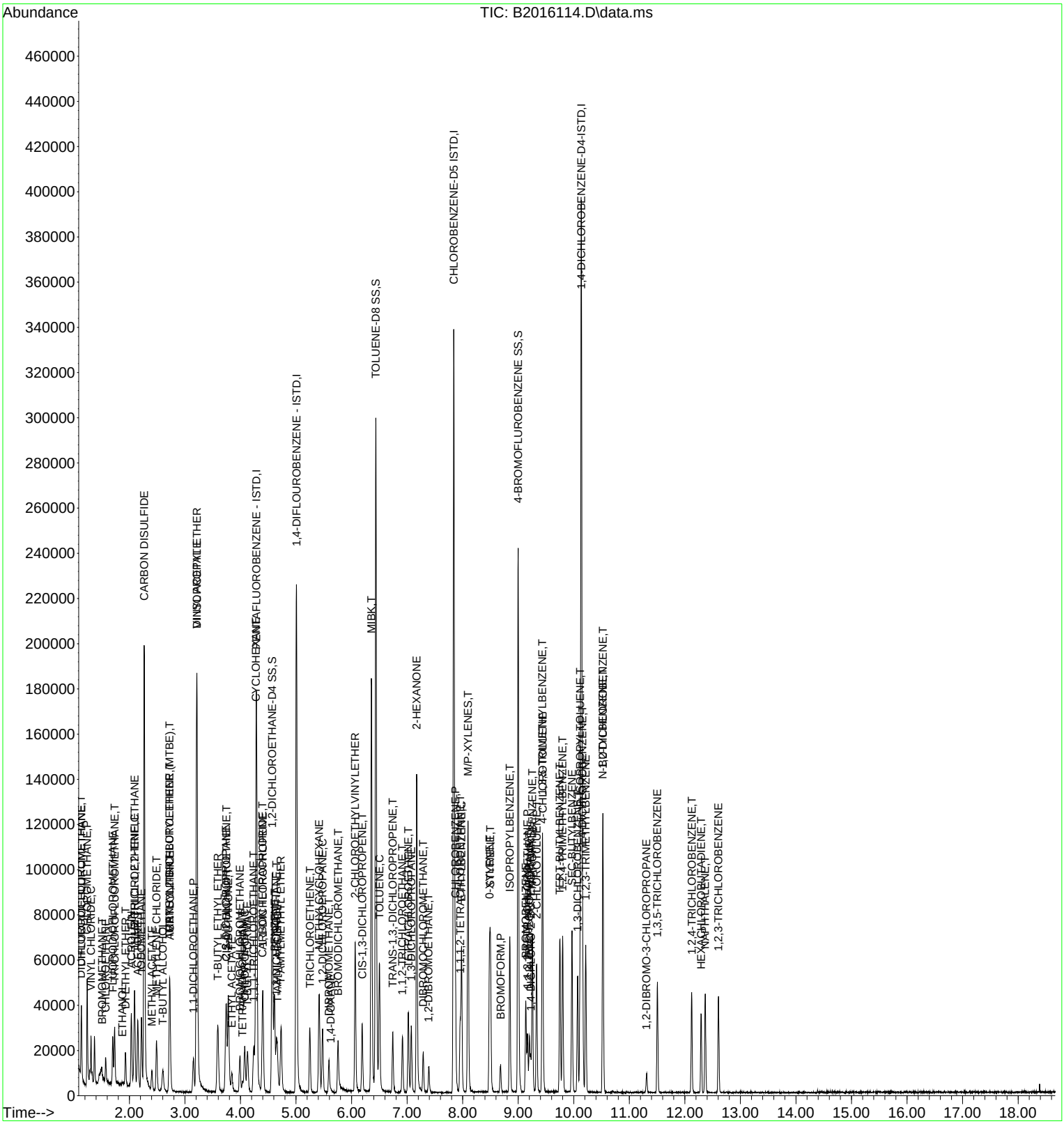
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	13586	5.01	UG/L	#	73
49) 1,2-DICHLOROPROPANE	5.478	63	8323	3.94	UG/L		98
50) DIBROMOMETHANE	5.591	93	4666	4.71	UG/L		91
51) 1,4-DIOXANE	5.625	88	714	45.28	UG/L	#	61
52) BROMODICHLOROMETHANE	5.756	83	9948	4.60	UG/L	#	96
53) 2-CHLOROETHYLVINYLETHER	6.063	63	23291	13.61	UG/L	#	79
54) MIBK	6.356	43	116898	33.91	UG/L	#	98
55) CIS-1,3-DICHLOROPROPENE	6.191	75	12235	4.76	UG/L		90
56) TOLUENE	6.504	91	32799	4.79	UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	10673	4.72	UG/L		91
59) 1,1,2-TRICHLOROETHANE	6.913	97	6224	4.47	UG/L		92
60) 2-HEXANONE	7.172	43	84637	33.35	UG/L	#	99
61) TETRACHLOROETHENE	7.021	164	6834	4.79	UG/L		96
62) 1,3-DICHLOROPROPANE	7.075	76	11548	4.74	UG/L	#	77
63) DIBROMOCHLOROMETHANE	7.291	129	7400	4.18	UG/L		99
64) 1,2-DIBROMOETHANE	7.388	107	7100	4.50	UG/L	#	100
67) CHLOROBENZENE	7.868	112	21770	4.97	UG/L		96
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	7286	4.47	UG/L		96
69) ETHYLBENZENE	7.979	91	38043	4.94	UG/L		98
70) M/P-XYLENES	8.095	91	60723	10.01	UG/L		100
71) 0-XYLENE	8.482	91	30301	4.75	UG/L		100
72) STYRENE	8.499	104	23034	4.67	UG/L	#	87
73) BROMOFORM	8.683	173	4871	3.81	UG/L	#	96
74) ISOPROPYLBENZENE	8.848	105	38820	4.96	UG/L		99
76) 1,1,2,2-TETRACHLOROETHANE	9.167	83	9770	4.79	UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	3313	2.58	UG/L		93
78) BROMOBENZENE	9.138	77	13829	4.92	UG/L		91
79) 1,2,3-TRICHLOROPROPANE	9.201	110	2757	4.17	UG/L		93
80) N-PROPYLBENZENE	9.255	91	47943	4.97	UG/L		100
81) 2-CHLOROT0LUENE	9.331	91	26570	4.77	UG/L		99
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	31987	4.69	UG/L		97
83) 4-CHLOROTOLUENE	9.442	91	32000	4.86	UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	28372	5.46	UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	32506	5.33	UG/L		96
87) SEC-BUTYLBENZENE	9.968	105	42576	5.58	UG/L		100
88) 1,3-DICHLOROBENZENE	10.070	146	18122	5.25	UG/L		98
89) P-ISOPROPYLTOLUENE	10.116	119	35322	5.40	UG/L		98
90) 1,4-DICHLOROBENZENE	10.158	146	18494	5.25	UG/L		94
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	31108	5.22	UG/L	#	100
92) N-BUTYLBENZENE	10.522	91	34050	5.49	UG/L		98
93) 1,2-DICHLOROBENZENE	10.525	146	17505	5.34	UG/L		99
94) 1,2-DIBROMO-3-CHLOROPR...	11.309	75	1764	4.59	UG/L		95
95) 1,3,5-TRICHLOROBENZENE	11.506	180	13531	4.86	UG/L		96
96) 1,2,4-TRICHLOROBENZENE	12.125	180	11744	4.81	UG/L		95
97) HEXACHLOROBUTADIENE	12.293	225	6216	4.10	UG/L		98
98) NAPHTHALENE	12.367	128	28760	4.95	UG/L		100
99) 1,2,3-TRICHLOROBENZENE	12.605	180	10991	4.83	UG/L		95

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016114.D
Acq On : 9 Jun 2020 11:04 am
Operator :
Sample : 8260 STD 5.0 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 10 06:17:22 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 09 11:57:49 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92821	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	150857	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83074	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.138	152	85817	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59994	26.39	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.56%				
45) TOLUENE-D8 SS	6.438	98	157093	25.76	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.04%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64211	24.95	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.80%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	19976	9.40	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.138	51	25790	6.57	UG/L	#	89
5) CHLOROMETHANE	1.237	50	58590	10.24	UG/L		97
6) VINYL CHLORIDE	1.308	62	22611	8.29	UG/L		92
7) BROMOMETHANE	1.502	94	4287	5.17	UG/L		90
8) CHLOROETHANE	1.570	64	11331	9.14	UG/L		93
9) FLUORODICHLOROMETHANE	1.698	67	29881	11.10	UG/L		98
10) TRICHLOROFLUOROMETHANE	1.732	101	25810	10.18	UG/L		94
11) ETHANOL	1.877	45	2644	106.32	UG/L	#	47
12) DI ETHYL ETHER	1.931	59	12515	7.37	UG/L	#	77
13) ACROLEIN	2.036	56	43800	75.09	UG/L	#	93
14) ACETONE	2.150	43	65978	73.50	UG/L		98
15) 1,1-DICHLOROETHENE	2.093	61	25776	8.99	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.084	101	12766	10.93	UG/L		94
17) IODOMETHANE	2.215	142	84090	43.44	UG/L		100
18) METHYL ACETATE	2.403	43	19739m	6.48	UG/L		
19) T-BUTYL ALCOHOL	2.604	59	22049	69.96	UG/L		94
20) ACRYLONITRILE	2.729	53	7552	6.31	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	27306	6.88	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	422302	109.53	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	39086	10.06	UG/L	#	81
24) TRANS 1,2-DICHLOROETHENE	2.721	61	24760	8.73	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.147	63	29783	8.88	UG/L		97
26) VINYL ACETATE	3.212	43	513047	75.14	UG/L	#	94
27) DI ISOPROPYL ETHER	3.215	45	64126	6.67	UG/L	#	85
28) 2-BUTANONE	3.781	43	98599	66.73	UG/L	#	89
29) T-BUTYL ETHYL ETHER	3.593	59	54301	7.44	UG/L	#	93
30) CIS-1,2-DICHLOROETHENE	3.744	61	28707	8.56	UG/L	#	87
31) 2,2-DICHLOROPROPANE	3.735	77	22505	10.82	UG/L		99
32) ETHYL ACETATE	3.843	43	23529m	7.08	UG/L		
33) BROMOCHLOROMETHANE	3.988	128	6869	10.80	UG/L	#	62
34) TETRAHYDROFURAN	4.040	42	6575	6.09	UG/L	#	85
35) T-BUTYL FORMATE	4.128	59	16517	7.34	UG/L	#	92
36) CHLOROFORM	4.074	83	26267	10.67	UG/L		100
37) 1,1,1-TRICHLOROETHANE	4.236	97	23886	10.51	UG/L		94
38) CYCLOHEXANE	4.275	56	38541	7.28	UG/L	#	81
39) CARBON TETRACHLORIDE	4.395	117	21630	10.37	UG/L		99
40) 1,1-DICHLOROPROPENE	4.403	75	21275	11.13	UG/L		98
41) BENZENE	4.611	78	55922	10.53	UG/L		97
42) T-AMYL ALCOHOL	4.665	59	16928	72.76	UG/L	#	91
43) T-AMYLMETHYL ETHER	4.733	73	39379m	10.07	UG/L		
46) 1,2-DICHLOROETHANE	4.645	62	25082	8.02	UG/L		91
47) TRICHLOROETHENE	5.247	95	15311	10.15	UG/L		99

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1

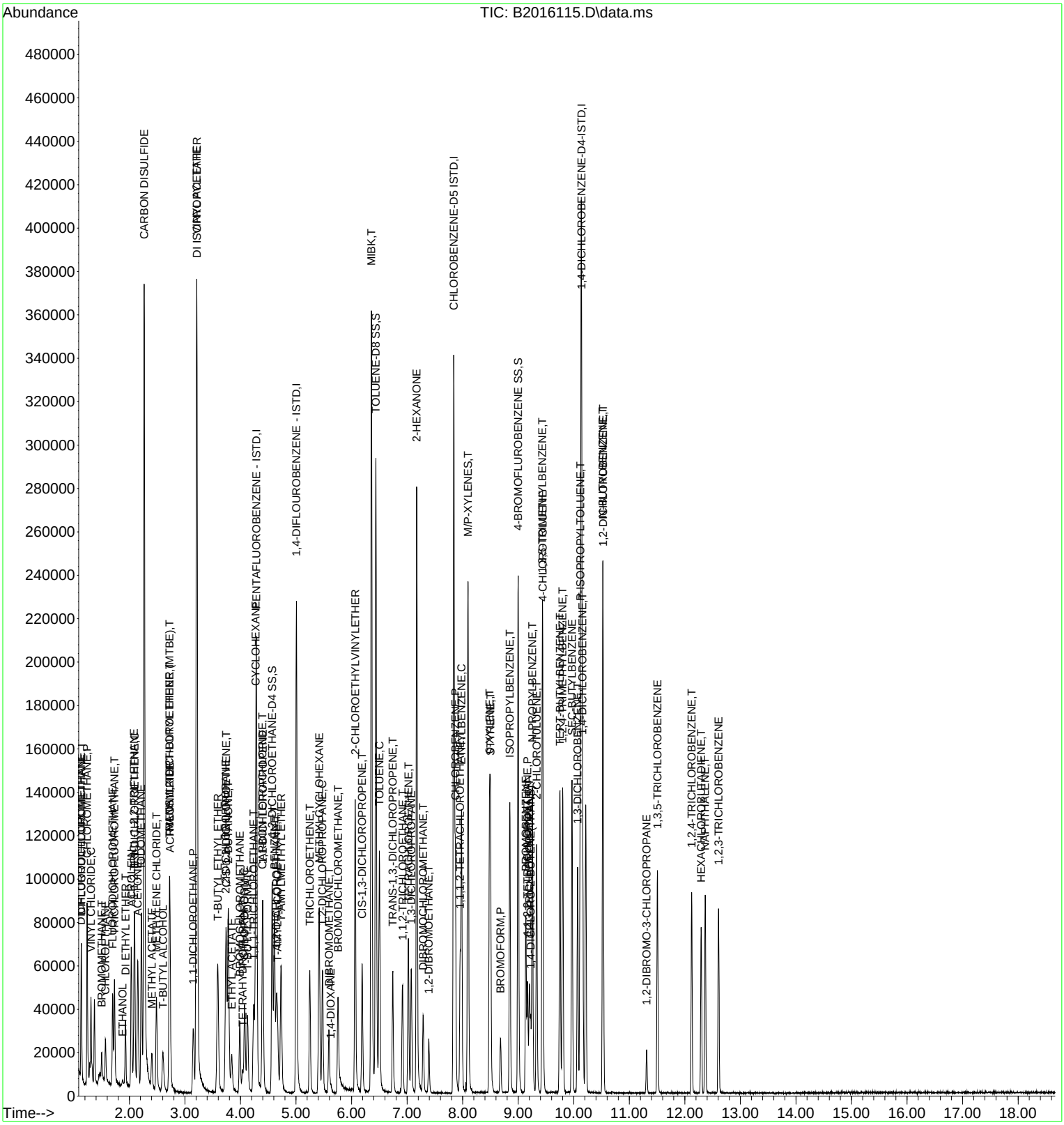
Quant Time: Jun 09 11:57:49 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.418	83	26672	9.86 UG/L #	73
49) 1,2-DICHLOROPROPANE	5.475	63	16489	7.82 UG/L	99
50) DIBROMOMETHANE	5.594	93	9399	9.51 UG/L	93
51) 1,4-DIOXANE	5.625	88	1813	91.60 UG/L #	68
52) BROMODICHLOROMETHANE	5.756	83	20041	9.29 UG/L	99
53) 2-CHLOROETHYLVINYLETHER	6.066	63	47656	27.91 UG/L	84
54) MIBK	6.356	43	227769	66.22 UG/L #	98
55) CIS-1,3-DICHLOROPROPENE	6.188	75	24501	9.55 UG/L	86
56) TOLUENE	6.501	91	63844	9.34 UG/L	98
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	20946	9.29 UG/L	92
59) 1,1,2-TRICHLOROETHANE	6.918	97	12560	9.05 UG/L	96
60) 2-HEXANONE	7.171	43	169140	66.80 UG/L #	99
61) TETRACHLOROETHENE	7.024	164	13628	9.58 UG/L	96
62) 1,3-DICHLOROPROPANE	7.072	76	23154	9.53 UG/L #	77
63) DIBROMOCHLOROMETHANE	7.288	129	15219	8.62 UG/L	98
64) 1,2-DIBROMOETHANE	7.390	107	13891	8.83 UG/L #	96
67) CHLOROBENZENE	7.868	112	43517	10.08 UG/L	99
68) 1,1,1,2-TETRACHLOROETHANE	7.953	131	14636	9.11 UG/L	96
69) ETHYLBENZENE	7.978	91	74631	9.84 UG/L	99
70) M/P-XYLENES	8.095	91	118503	19.81 UG/L	99
71) 0-XYLENE	8.482	91	61355	9.75 UG/L	99
72) STYRENE	8.501	104	46440	9.56 UG/L #	86
73) BROMOFORM	8.680	173	10349	8.21 UG/L #	94
74) ISOPROPYLBENZENE	8.848	105	76204	9.88 UG/L	98
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	19845	9.88 UG/L	99
77) 1,4-DICHLORO-2-BUTENE(...	9.223	53	7205	5.69 UG/L #	89
78) BROMOBENZENE	9.138	77	27748	10.02 UG/L	92
79) 1,2,3-TRICHLOROPROPANE	9.201	110	5732	8.80 UG/L	98
80) N-PROPYLBENZENE	9.255	91	94736	9.96 UG/L	99
81) 2-CHLOROT0LUENE	9.331	91	53594	9.75 UG/L	100
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	65050	9.67 UG/L	98
83) 4-CHLOROTOLUENE	9.442	91	63478	9.77 UG/L	99
85) TERT-BUTYLBENZENE	9.752	119	56337	10.71 UG/L	100
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	66419	10.75 UG/L	97
87) SEC-BUTYLBENZENE	9.968	105	85347	11.05 UG/L	100
88) 1,3-DICHLOROBENZENE	10.070	146	36909	10.55 UG/L	99
89) P-ISOPROPYLTOLUENE	10.118	119	70701	10.67 UG/L	97
90) 1,4-DICHLOROBENZENE	10.158	146	37639	10.55 UG/L	97
91) N-BUTYLBENZENE	10.522	91	69302	11.04 UG/L	99
92) 1,2-DICHLOROBENZENE	10.528	146	34929	10.52 UG/L	99
93) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	3846	9.89 UG/L	93
94) 1,3,5-TRICHLOROBENZENE	11.508	180	27075	9.60 UG/L	92
95) 1,2,4-TRICHLOROBENZENE	12.122	180	24575	9.94 UG/L	96
96) HEXACHLOROBUTADIENE	12.293	225	12663	8.25 UG/L	98
97) NAPHTHALENE	12.366	128	60773	10.34 UG/L	100
98) 1,2,3-TRICHLOROBENZENE	12.608	180	22405	9.72 UG/L	94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1

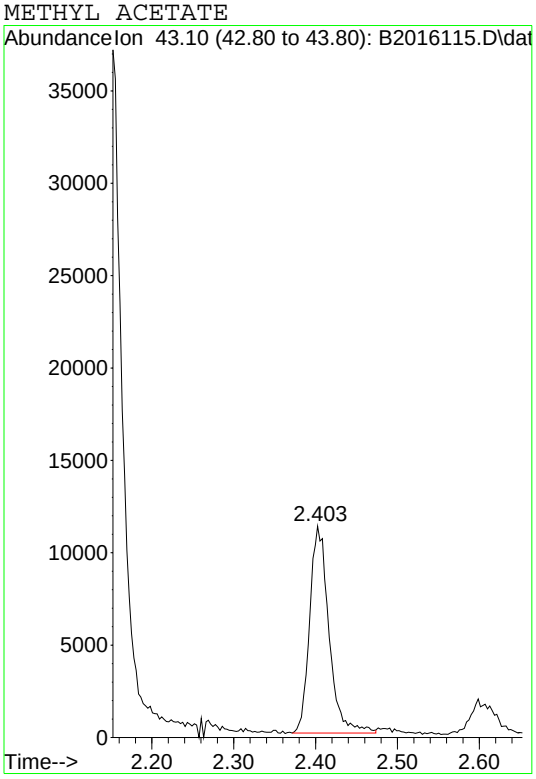
Quant Time: Jun 09 11:57:49 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:57:49 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
METHYL ACETATE



Original Int. Results

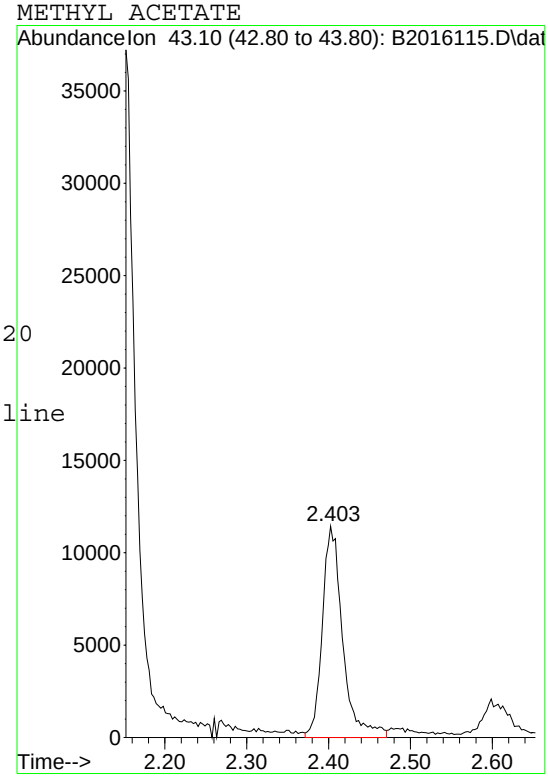
RT : 2.40
Area : 18291
Amount: 6.00155

Manual Int. Results

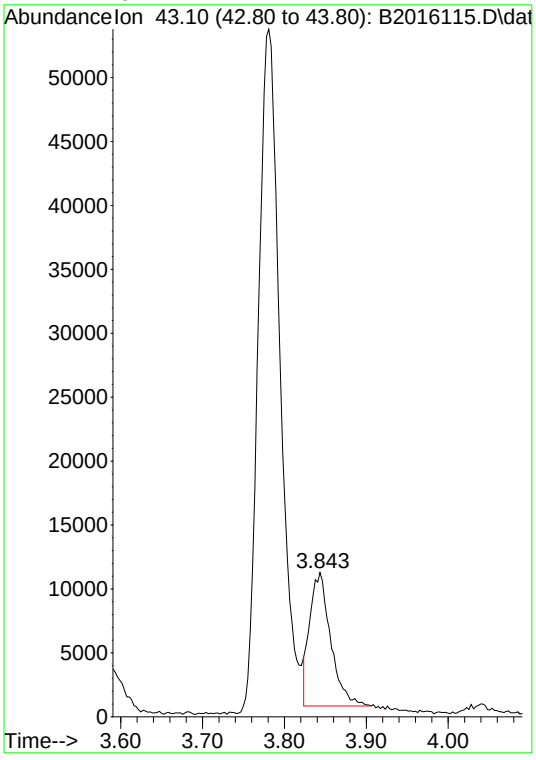
Tue Jun 09 11:53:59 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 2.40
Area : 19739
Amount: 6.47666

Manual Integration
METHYL ACETATE



Original Integration
ETHYL ACETATE



Original Int. Results

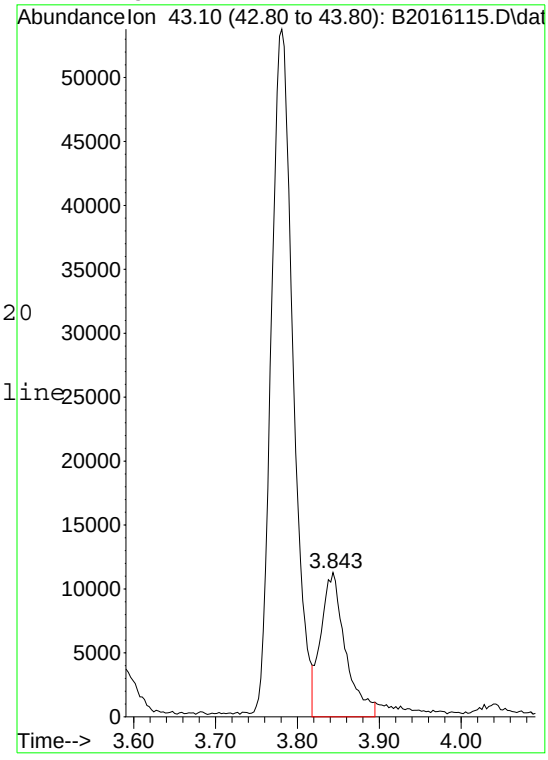
RT : 3.84
Area : 18467
Amount: 5.5591

Manual Int. Results

Tue Jun 09 11:54:11 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 23529
Amount: 7.0829

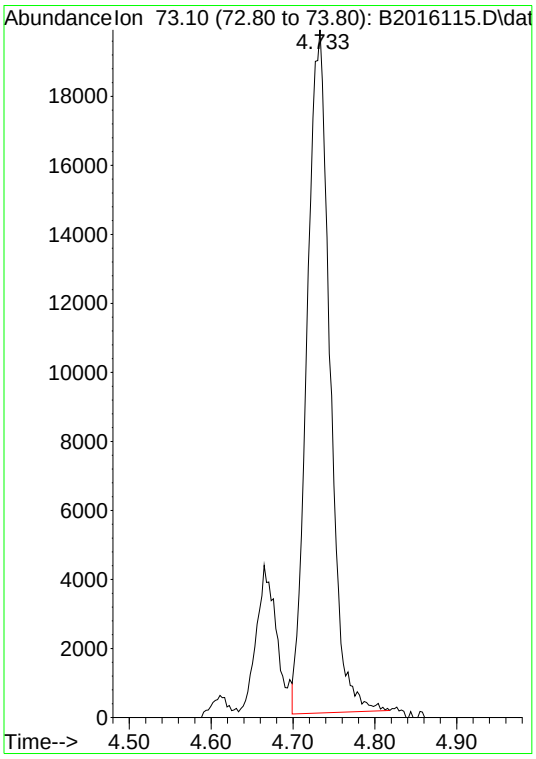
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:57:49 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
T-AMYLMETHYL ETHER



Original Int. Results

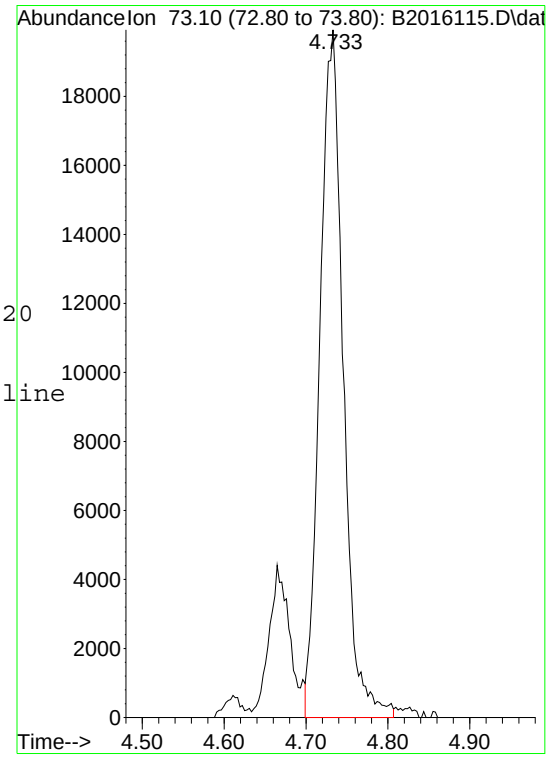
RT : 4.73
Area : 38457
Amount: 9.83724

Manual Int. Results

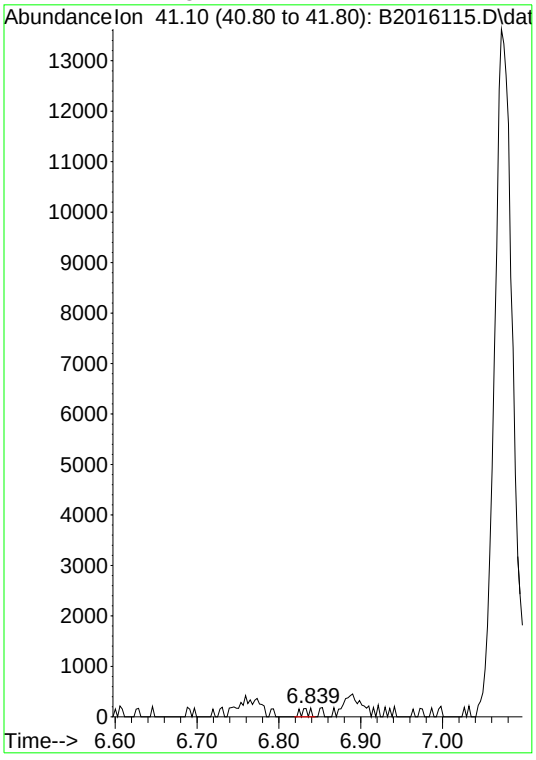
Tue Jun 09 11:54:26 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.73
Area : 39379
Amount: 10.0731

Manual Integration
T-AMYLMETHYL ETHER



Original Integration
ETHYL METHACRYLATE



Original Int. Results

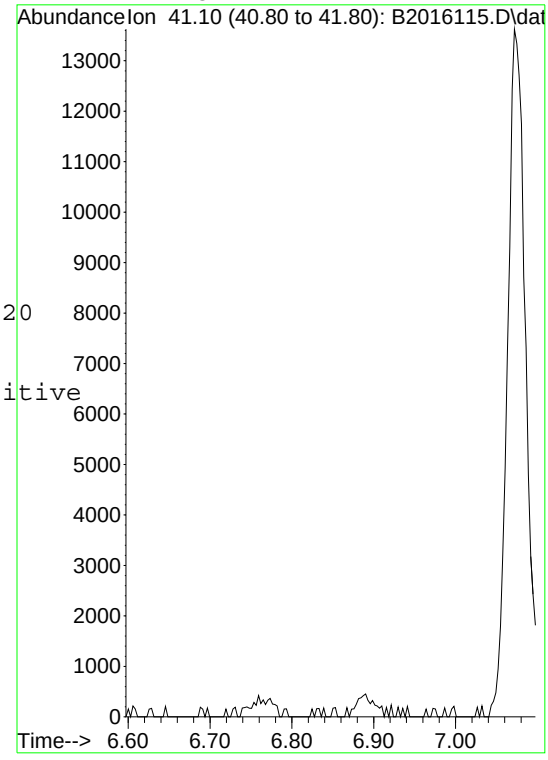
RT : 6.84
Area : 111
Amount: 0

Manual Int. Results

Tue Jun 09 11:58:09 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

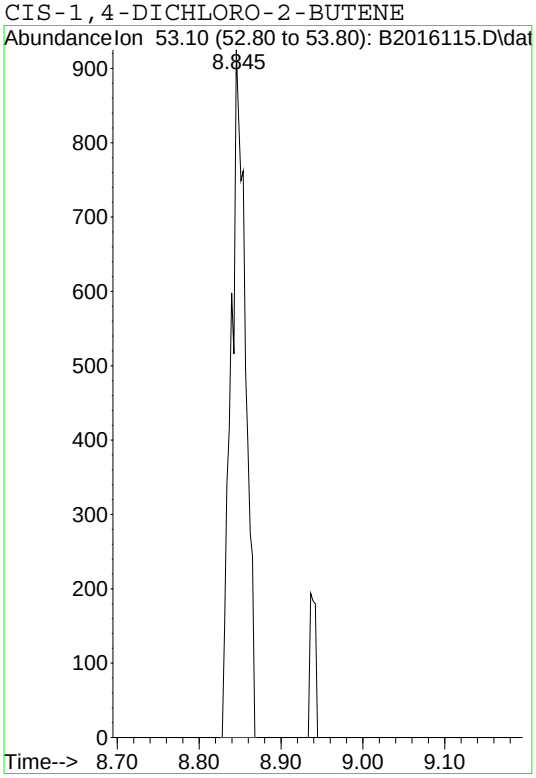
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068
Misc :

Quant Time : Tue Jun 09 11:57:49 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

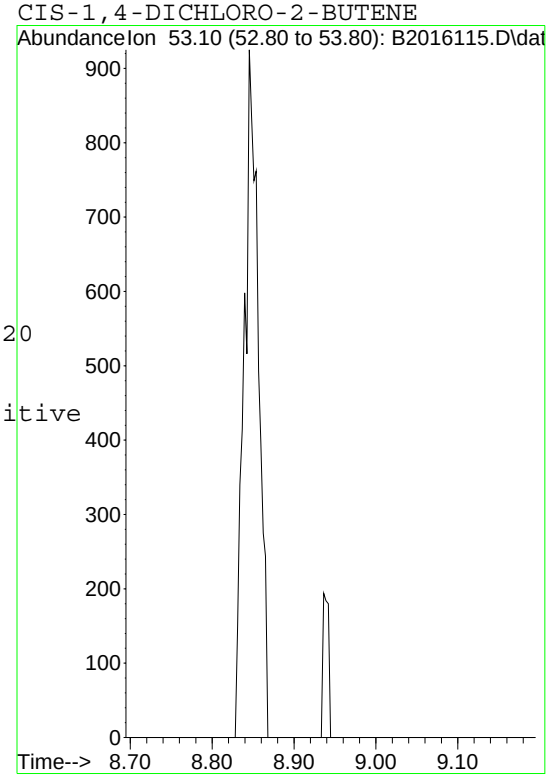
RT : 8.85
Area : 1143
Amount: 0

Manual Int. Results

Tue Jun 09 11:58:18 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 10 06:17:25 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92821	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	150857	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83074	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.138	152	85817	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59994	26.39	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.56%				
45) TOLUENE-D8 SS	6.438	98	157093	25.76	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.04%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64211	24.95	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.80%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	19976	9.40	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.138	51	25790	6.57	UG/L	#	89
5) CHLOROMETHANE	1.237	50	58590	10.24	UG/L		97
6) VINYL CHLORIDE	1.308	62	22611	8.29	UG/L		92
7) BROMOMETHANE	1.502	94	4287	5.17	UG/L		90
8) CHLOROETHANE	1.570	64	11331	9.14	UG/L		93
9) FLUORODICHLOROMETHANE	1.698	67	29881	11.10	UG/L		98
10) TRICHLOROFLUOROMETHANE	1.732	101	25810	10.18	UG/L		94
11) ETHANOL	1.877	45	2644	106.32	UG/L	#	47
12) DI ETHYL ETHER	1.931	59	12515	7.37	UG/L	#	77
13) ACROLEIN	2.036	56	43800	75.09	UG/L	#	93
14) ACETONE	2.150	43	65978	73.50	UG/L		98
15) 1,1-DICHLOROETHENE	2.093	61	25776	8.99	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.084	101	12766	10.93	UG/L		94
17) IODOMETHANE	2.215	142	84090	43.44	UG/L		100
18) METHYL ACETATE	2.403	43	18291	6.00	UG/L	#	83
19) T-BUTYL ALCOHOL	2.604	59	22049	69.96	UG/L		94
20) ACRYLONITRILE	2.729	53	7552	6.31	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	27306	6.88	UG/L	#	76
22) CARBON DISULFIDE	2.266	76	422302	109.53	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	39086	10.06	UG/L	#	81
24) TRANS 1,2-DICHLOROETHENE	2.721	61	24760	8.73	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.147	63	29783	8.88	UG/L		97
26) VINYL ACETATE	3.212	43	513047	75.14	UG/L	#	94
27) DI ISOPROPYL ETHER	3.215	45	64126	6.67	UG/L	#	85
28) 2-BUTANONE	3.781	43	98599	66.73	UG/L	#	89
29) T-BUTYL ETHYL ETHER	3.593	59	54301	7.44	UG/L	#	93
30) CIS-1,2-DICHLOROETHENE	3.744	61	28707	8.56	UG/L	#	87
31) 2,2-DICHLOROPROPANE	3.735	77	22505	10.82	UG/L		99
32) ETHYL ACETATE	3.843	43	18467	5.56	UG/L	#	92
33) BROMOCHLOROMETHANE	3.988	128	6869	10.80	UG/L	#	62
34) TETRAHYDROFURAN	4.040	42	6575	6.09	UG/L	#	85
35) T-BUTYL FORMATE	4.128	59	16517	7.78	UG/L	#	92
36) CHLOROFORM	4.074	83	26267	10.67	UG/L		100
37) 1,1,1-TRICHLOROETHANE	4.236	97	23886	10.51	UG/L		94
38) CYCLOHEXANE	4.275	56	38541	7.28	UG/L	#	81
39) CARBON TETRACHLORIDE	4.395	117	21630	10.37	UG/L		99
40) 1,1-DICHLOROPROPENE	4.403	75	21275	11.13	UG/L		98
41) BENZENE	4.611	78	55922	10.53	UG/L		97
42) T-AMYL ALCOHOL	4.665	59	16928	85.08	UG/L	#	91
43) T-AMYLMETHYL ETHER	4.733	73	38457	9.84	UG/L	#	88
46) 1,2-DICHLOROETHANE	4.645	62	25082	8.02	UG/L		91
47) TRICHLOROETHENE	5.247	95	15311	10.15	UG/L		99

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Misc :
ALS Vial : 8 Sample Multiplier: 1

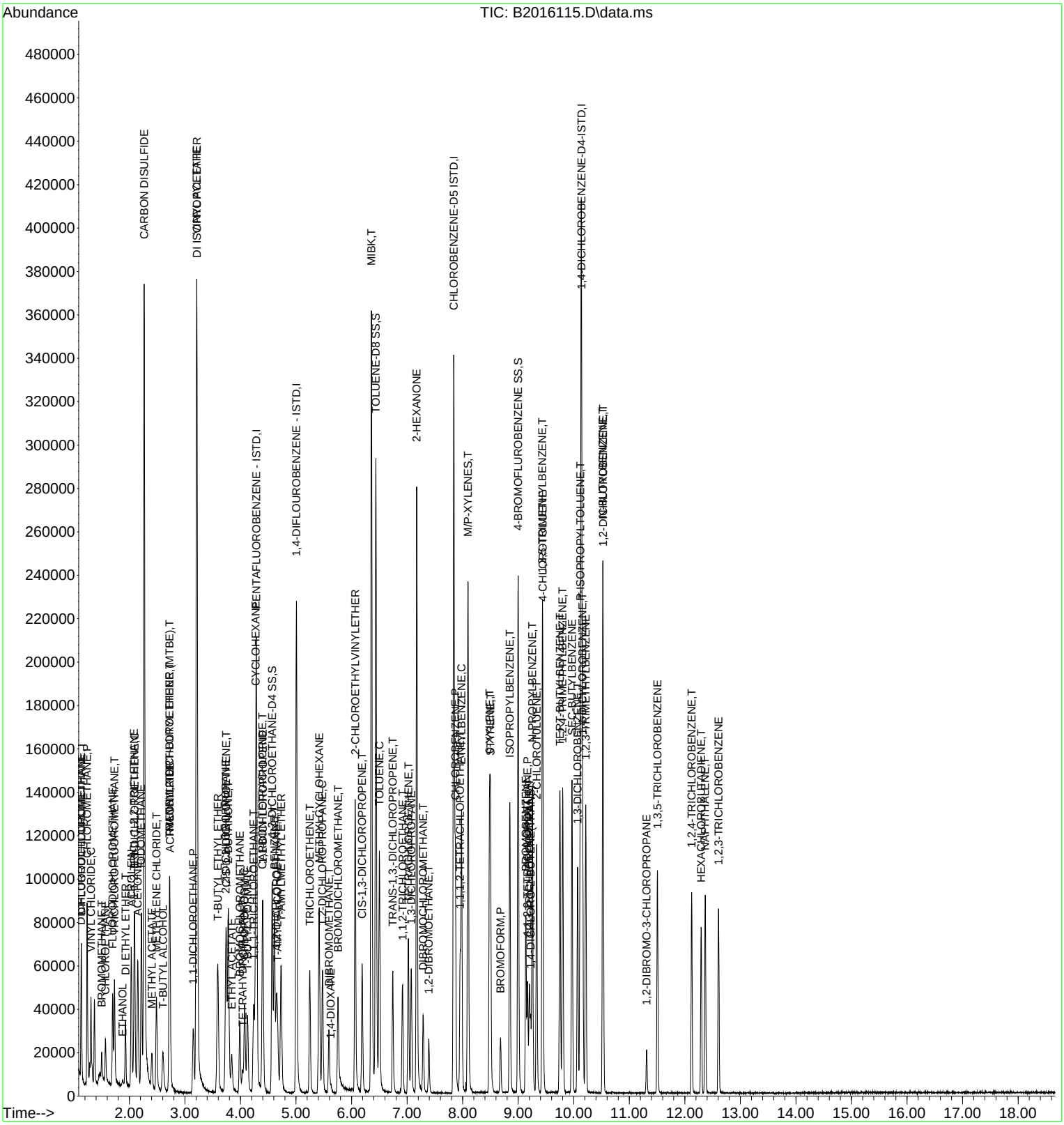
Quant Time: Jun 10 06:17:25 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.418	83	26672	9.86 UG/L #	73
49) 1,2-DICHLOROPROPANE	5.475	63	16489	7.82 UG/L	99
50) DIBROMOMETHANE	5.594	93	9399	9.51 UG/L	93
51) 1,4-DIOXANE	5.625	88	1813	91.60 UG/L #	68
52) BROMODICHLOROMETHANE	5.756	83	20041	9.29 UG/L	99
53) 2-CHLOROETHYLVINYLETHER	6.066	63	47656	27.91 UG/L	84
54) MIBK	6.356	43	227769	66.22 UG/L #	98
55) CIS-1,3-DICHLOROPROPENE	6.188	75	24501	9.55 UG/L	86
56) TOLUENE	6.501	91	63844	9.34 UG/L	98
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	20946	9.29 UG/L	92
59) 1,1,2-TRICHLOROETHANE	6.918	97	12560	9.05 UG/L	96
60) 2-HEXANONE	7.171	43	169140	66.80 UG/L #	99
61) TETRACHLOROETHENE	7.024	164	13628	9.58 UG/L	96
62) 1,3-DICHLOROPROPANE	7.072	76	23154	9.53 UG/L #	77
63) DIBROMOCHLOROMETHANE	7.288	129	15219	8.62 UG/L	98
64) 1,2-DIBROMOETHANE	7.390	107	13891	8.83 UG/L #	96
67) CHLOROBENZENE	7.868	112	43517	10.08 UG/L	99
68) 1,1,1,2-TETRACHLOROETHANE	7.953	131	14636	9.11 UG/L	96
69) ETHYLBENZENE	7.978	91	74631	9.84 UG/L	99
70) M/P-XYLENES	8.095	91	118503	19.81 UG/L	99
71) 0-XYLENE	8.482	91	61355	9.75 UG/L	99
72) STYRENE	8.501	104	46440	9.56 UG/L #	86
73) BROMOFORM	8.680	173	10349	8.21 UG/L #	94
74) ISOPROPYLBENZENE	8.848	105	76204	9.88 UG/L	98
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	19845	9.88 UG/L	99
77) 1,4-DICHLORO-2-BUTENE(...	9.223	53	7205	5.69 UG/L #	89
78) BROMOBENZENE	9.138	77	27748	10.02 UG/L	92
79) 1,2,3-TRICHLOROPROPANE	9.201	110	5732	8.80 UG/L	98
80) N-PROPYLBENZENE	9.255	91	94736	9.96 UG/L	99
81) 2-CHLOROT0LUENE	9.331	91	53594	9.75 UG/L	100
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	65050	9.67 UG/L	98
83) 4-CHLOROTOLUENE	9.442	91	63478	9.77 UG/L	99
85) TERT-BUTYLBENZENE	9.752	119	56337	10.71 UG/L	100
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	66419	10.75 UG/L	97
87) SEC-BUTYLBENZENE	9.968	105	85347	11.05 UG/L	100
88) 1,3-DICHLOROBENZENE	10.070	146	36909	10.55 UG/L	99
89) P-ISOPROPYLTOLUENE	10.118	119	70701	10.67 UG/L	97
90) 1,4-DICHLOROBENZENE	10.158	146	37639	10.55 UG/L	97
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	62655	10.39 UG/L #	100
92) N-BUTYLBENZENE	10.522	91	69302	11.04 UG/L	99
93) 1,2-DICHLOROBENZENE	10.528	146	34929	10.52 UG/L	99
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	3846	9.89 UG/L	93
95) 1,3,5-TRICHLOROBENZENE	11.508	180	27075	9.60 UG/L	92
96) 1,2,4-TRICHLOROBENZENE	12.122	180	24575	9.94 UG/L	96
97) HEXACHLOROBUTADIENE	12.293	225	12663	8.25 UG/L	98
98) NAPHTHALENE	12.366	128	60773	10.34 UG/L	100
99) 1,2,3-TRICHLOROBENZENE	12.608	180	22405	9.72 UG/L	94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016115.D
Acq On : 9 Jun 2020 11:30 am
Operator :
Sample : 8260 STD 10 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 10 06:17:25 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 09 12:17:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92778	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	151730	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83714	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	87449	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59920	26.37	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.48%				
45) TOLUENE-D8 SS	6.438	98	158623	25.86	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.44%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	65481	25.25	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	40599	19.11	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	51419	13.10	UG/L	#	89
5) CHLOROMETHANE	1.237	50	101768	17.79	UG/L		100
6) VINYL CHLORIDE	1.308	62	43987	16.14	UG/L		95
7) BROMOMETHANE	1.499	94	6946m	8.38	UG/L		
8) CHLOROETHANE	1.561	64	21843	17.63	UG/L		94
9) FLUORODICHLOROMETHANE	1.695	67	59331	22.05	UG/L		100
10) TRICHLOROFLUOROMETHANE	1.726	101	48598	19.18	UG/L		95
11) ETHANOL	1.888	45	4328	137.88	UG/L	#	75
12) DI ETHYL ETHER	1.931	59	26013	15.33	UG/L	#	82
13) ACROLEIN	2.033	56	87040	149.30	UG/L	#	95
14) ACETONE	2.150	43	128418	143.13	UG/L		99
15) 1,1-DICHLOROETHENE	2.090	61	51671	18.03	UG/L	#	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.084	101	25574	21.90	UG/L		94
17) IODOMETHANE	2.215	142	226062	116.84	UG/L		99
18) METHYL ACETATE	2.405	43	38661m	12.69	UG/L		
19) T-BUTYL ALCOHOL	2.604	59	47110	149.54	UG/L		99
20) ACRYLONITRILE	2.724	53	15703	13.13	UG/L		96
21) METHYLENE CHLORIDE	2.485	49	52886	13.33	UG/L	#	76
22) CARBON DISULFIDE	2.263	76	813446	211.07	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	76362	19.67	UG/L	#	82
24) TRANS 1,2-DICHLOROETHENE	2.724	61	48979	17.28	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.150	63	59359	17.70	UG/L		96
26) VINYL ACETATE	3.213	43	1005611	147.36	UG/L	#	93
27) DI ISOPROPYL ETHER	3.218	45	123523	12.86	UG/L	#	81
28) 2-BUTANONE	3.784	43	200034	135.44	UG/L	#	89
29) T-BUTYL ETHYL ETHER	3.588	59	108359	14.85	UG/L	#	92
30) CIS-1,2-DICHLOROETHENE	3.744	61	57597	17.18	UG/L	#	88
31) 2,2-DICHLOROPROPANE	3.738	77	44826	21.56	UG/L		99
32) ETHYL ACETATE	3.841	43	45210m	13.62	UG/L		
33) BROMOCHLOROMETHANE	3.988	128	13595	21.39	UG/L	#	62
34) TETRAHYDROFURAN	4.034	42	12410	11.50	UG/L	#	78
35) T-BUTYL FORMATE	4.125	59	33172	14.75	UG/L	#	91
36) CHLOROFORM	4.077	83	53086	21.57	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.236	97	49160	21.65	UG/L		94
38) CYCLOHEXANE	4.278	56	75404	14.25	UG/L	#	84
39) CARBON TETRACHLORIDE	4.395	117	43223	20.74	UG/L		99
40) 1,1-DICHLOROPROPENE	4.403	75	43047	22.52	UG/L		97
41) BENZENE	4.608	78	112443	21.19	UG/L		98
42) T-AMYL ALCOHOL	4.668	59	34340m	147.67	UG/L		
43) T-AMYLMETHYL ETHER	4.730	73	78407	20.07	UG/L	#	85
46) 1,2-DICHLOROETHANE	4.642	62	49691	15.81	UG/L		92
47) TRICHLOROETHENE	5.247	95	30787	20.30	UG/L		99

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

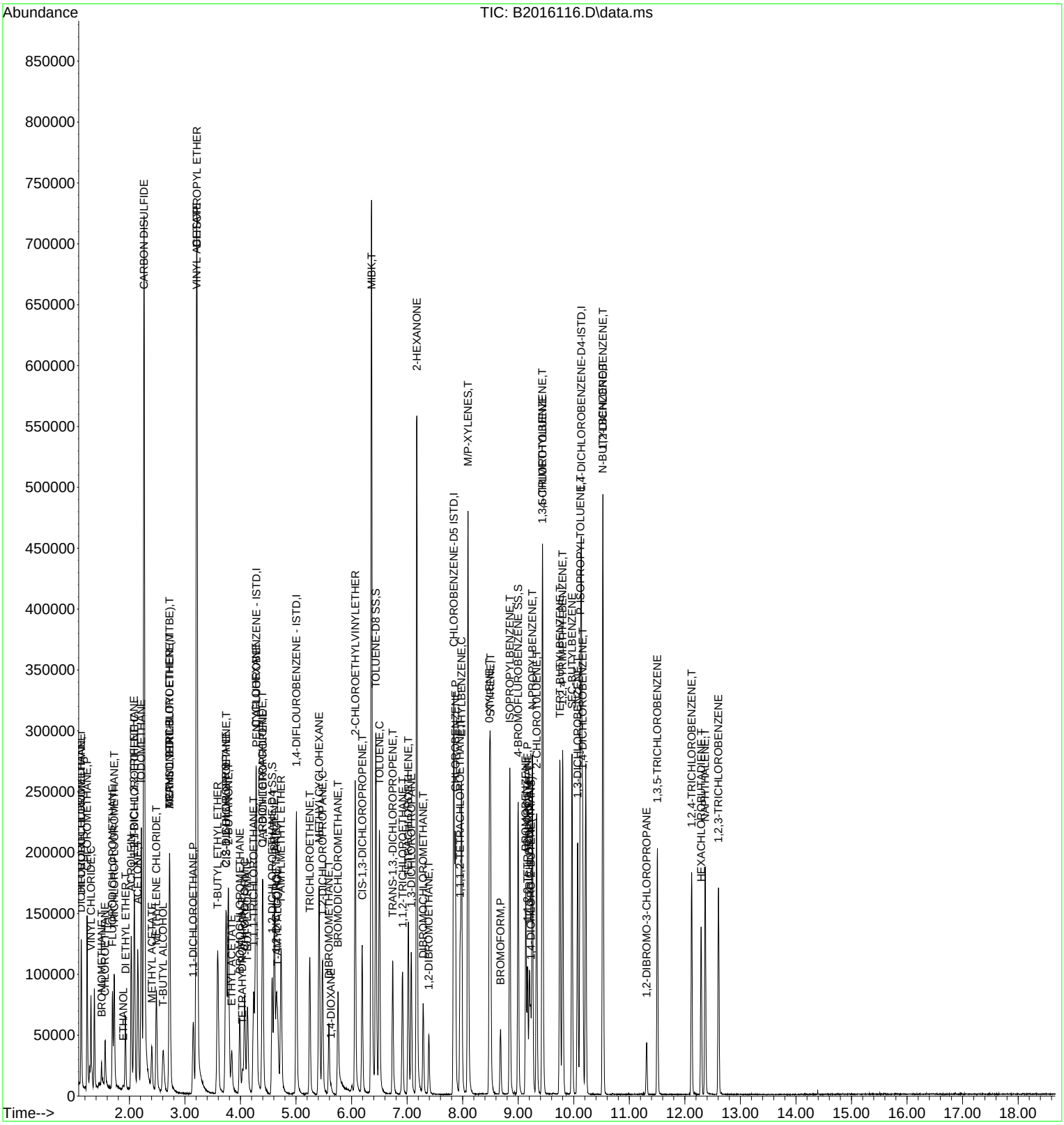
Quant Time: Jun 09 12:17:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	54348	19.97 UG/L #	71
49) 1,2-DICHLOROPROPANE	5.478	63	33632	15.86 UG/L	96
50) DIBROMOMETHANE	5.591	93	18972	19.09 UG/L	94
51) 1,4-DIOXANE	5.628	88	4002	182.75 UG/L #	68
52) BROMODICHLOROMETHANE	5.753	83	39700	18.30 UG/L	100
53) 2-CHLOROETHYLVINYLETHER	6.066	63	91293	53.15 UG/L	80
54) MIBK	6.359	43	457307	132.19 UG/L #	97
55) CIS-1,3-DICHLOROPROPENE	6.191	75	49281	19.09 UG/L	88
56) TOLUENE	6.501	91	128259	18.65 UG/L	99
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	43177	19.04 UG/L	90
59) 1,1,2-TRICHLOROETHANE	6.918	97	25334	18.14 UG/L	95
60) 2-HEXANONE	7.174	43	340113	133.55 UG/L #	98
61) TETRACHLOROETHENE	7.021	164	26528	18.55 UG/L	96
62) 1,3-DICHLOROPROPANE	7.075	76	45874	18.77 UG/L #	77
63) DIBROMOCHLOROMETHANE	7.288	129	31711	17.85 UG/L	100
64) 1,2-DIBROMOETHANE	7.390	107	28670	18.12 UG/L #	99
67) CHLOROBENZENE	7.868	112	86787	19.95 UG/L	99
68) 1,1,1,2-TETRACHLOROETHANE	7.953	131	29334	18.12 UG/L	95
69) ETHYLBENZENE	7.979	91	149370	19.53 UG/L	99
70) M/P-XYLENES	8.095	91	236051	39.15 UG/L	98
71) 0-XYLENE	8.482	91	122324	19.29 UG/L	100
72) STYRENE	8.501	104	94637	19.32 UG/L #	85
73) BROMOFORM	8.683	173	22020	17.33 UG/L	95
74) ISOPROPYLBENZENE	8.848	105	152783	19.65 UG/L	99
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	40163	19.84 UG/L	97
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	15057	11.81 UG/L #	84
78) BROMOBENZENE	9.135	77	54226	19.43 UG/L	94
79) 1,2,3-TRICHLOROPROPANE	9.201	110	11710	17.84 UG/L	98
80) N-PROPYLBENZENE	9.255	91	188535	19.67 UG/L	99
81) 2-CHLOROT0LUENE	9.331	91	106206	19.18 UG/L	98
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	129448	19.09 UG/L	97
83) 4-CHLOROTOLUENE	9.439	91	125176	19.12 UG/L	98
85) TERT-BUTYLBENZENE	9.752	119	112472	20.99 UG/L	99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	132387	21.02 UG/L	97
87) SEC-BUTYLBENZENE	9.968	105	167589	21.29 UG/L	99
88) 1,3-DICHLOROBENZENE	10.070	146	72714	20.40 UG/L	98
89) P-ISOPROPYLTOLUENE	10.119	119	141123	20.89 UG/L	98
90) 1,4-DICHLOROBENZENE	10.161	146	75442	20.75 UG/L	98
91) N-BUTYLBENZENE	10.522	91	135529	21.20 UG/L	99
92) 1,2-DICHLOROBENZENE	10.525	146	70816	20.93 UG/L	100
93) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	8038	20.29 UG/L	94
94) 1,3,5-TRICHLOROBENZENE	11.505	180	53050	18.46 UG/L	91
95) 1,2,4-TRICHLOROBENZENE	12.122	180	47797	18.98 UG/L	92
96) HEXACHLOROBUTADIENE	12.293	225	23275	14.87 UG/L	98
97) NAPHTHALENE	12.367	128	123282	20.58 UG/L	100
98) 1,2,3-TRICHLOROBENZENE	12.605	180	44578	18.99 UG/L	94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

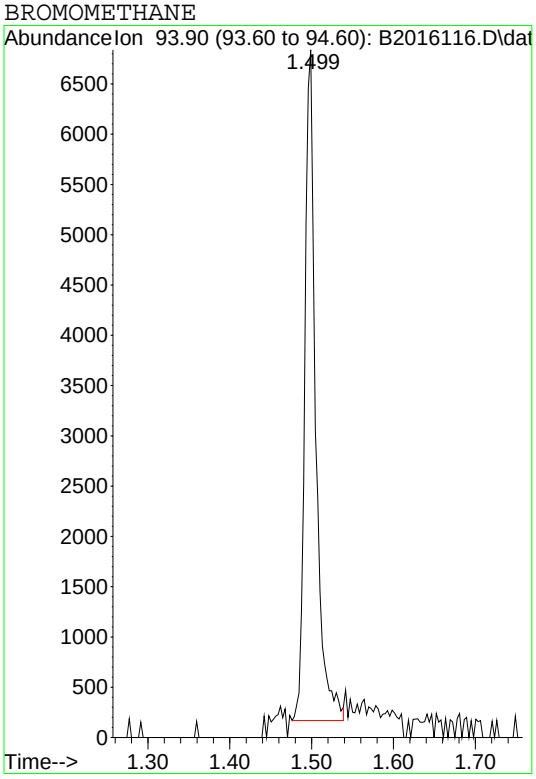
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Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068
Misc :

Quant Time : Tue Jun 09 12:17:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
BROMOMETHANE



Original Int. Results

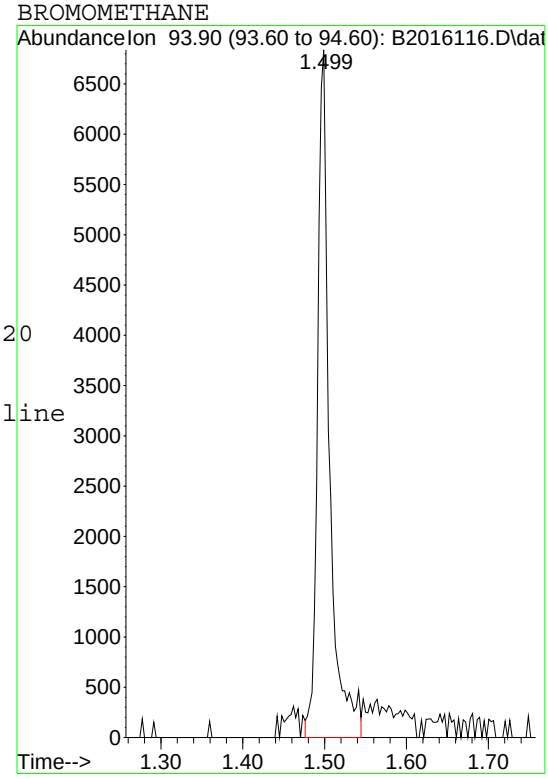
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Amount: 7.47282

Manual Int. Results

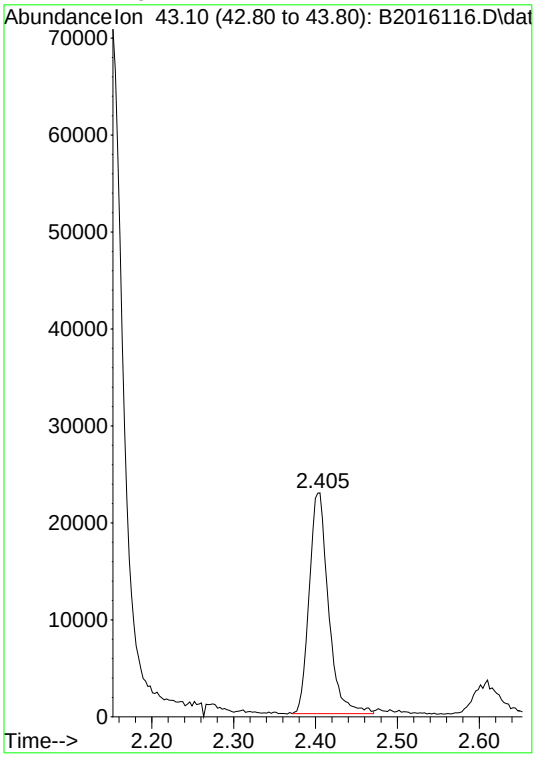
Tue Jun 09 12:16:46 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
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Amount: 8.37603

Manual Integration
BROMOMETHANE



Original Integration
METHYL ACETATE



Original Int. Results

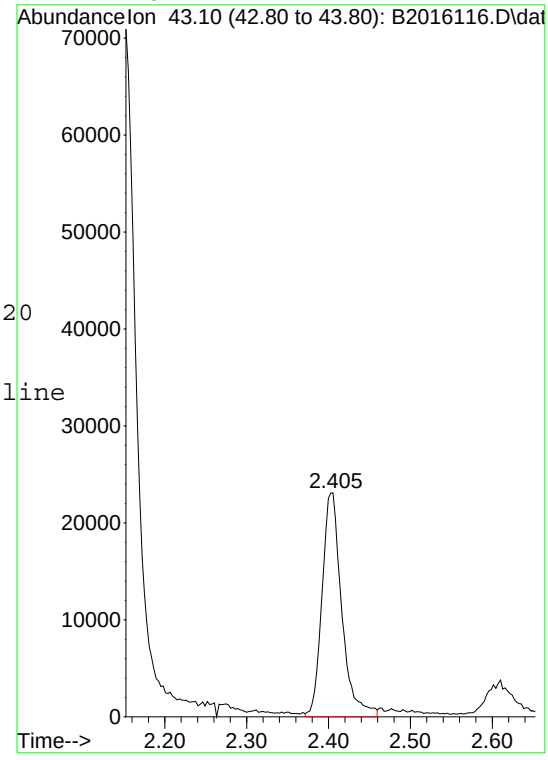
RT : 2.41
Area : 37227
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Manual Int. Results

Tue Jun 09 12:17:10 2020

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Area : 38661
Amount: 12.6911

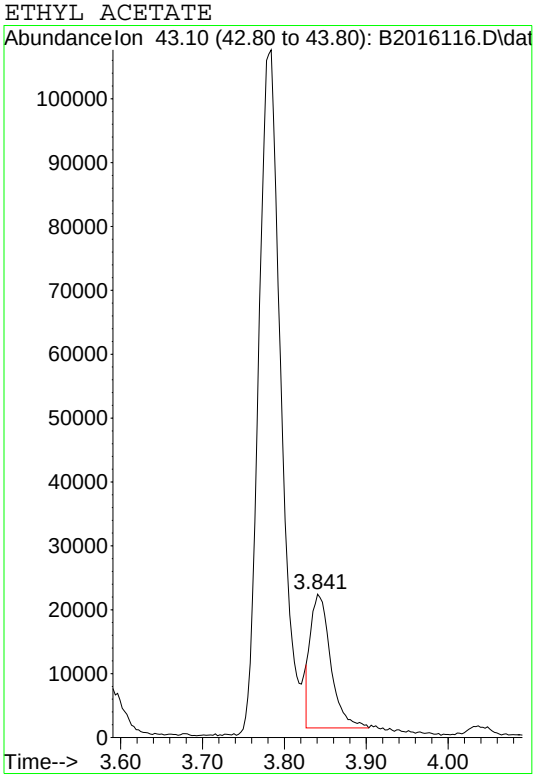
Manual Integration
METHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068
Misc :

Quant Time : Tue Jun 09 12:17:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL ACETATE



Original Int. Results

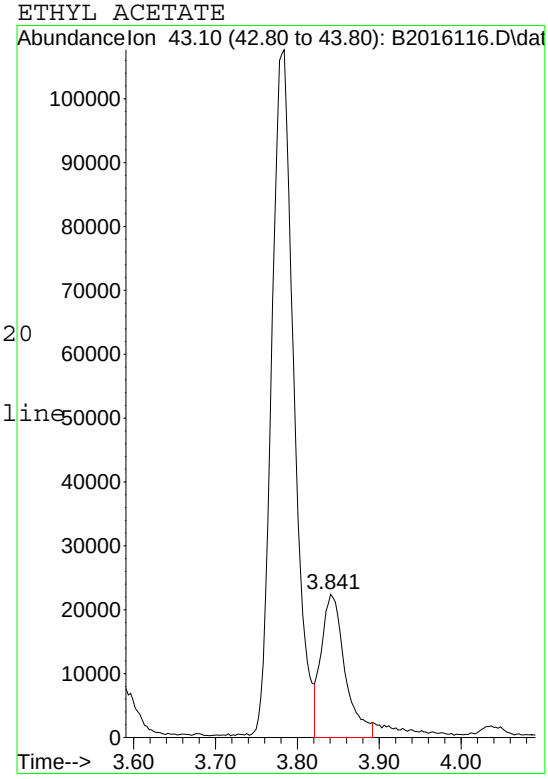
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Amount: 10.8324

Manual Int. Results

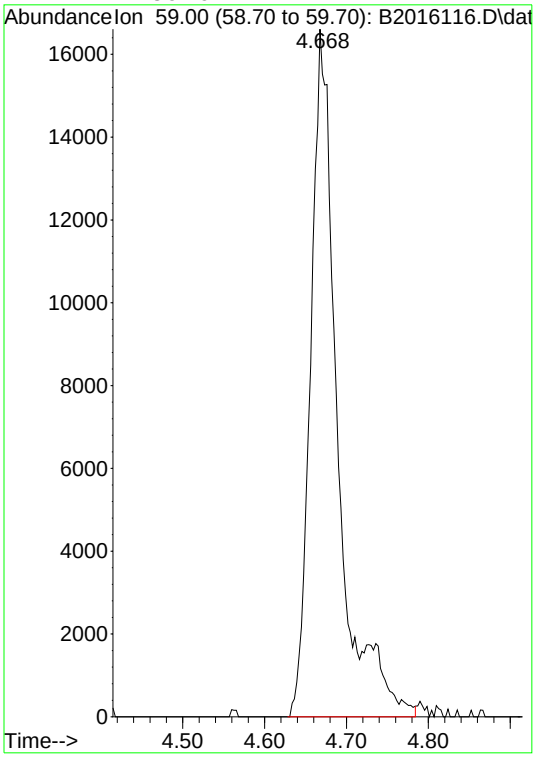
Tue Jun 09 12:17:21 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 45210
Amount: 13.6158

Manual Integration
ETHYL ACETATE



Original Integration
T-AMYL ALCOHOL



Original Int. Results

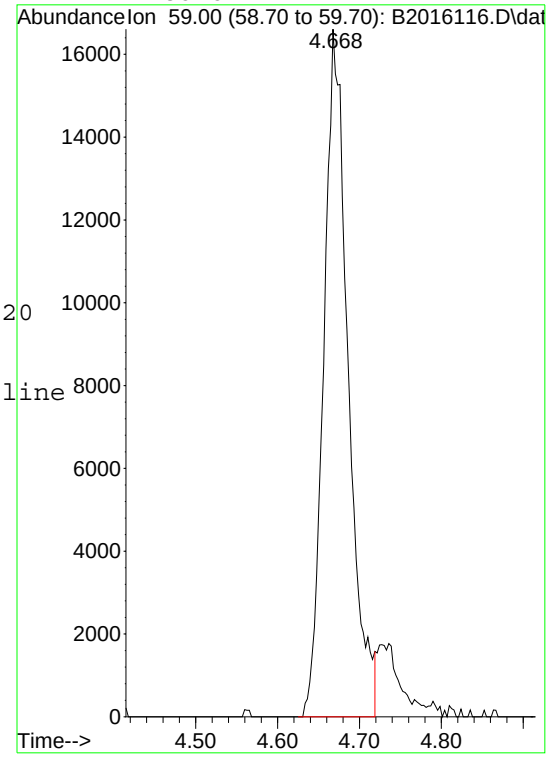
RT : 4.67
Area : 37780
Amount: 162.458

Manual Int. Results

Tue Jun 09 12:17:32 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.67
Area : 34340
Amount: 147.665

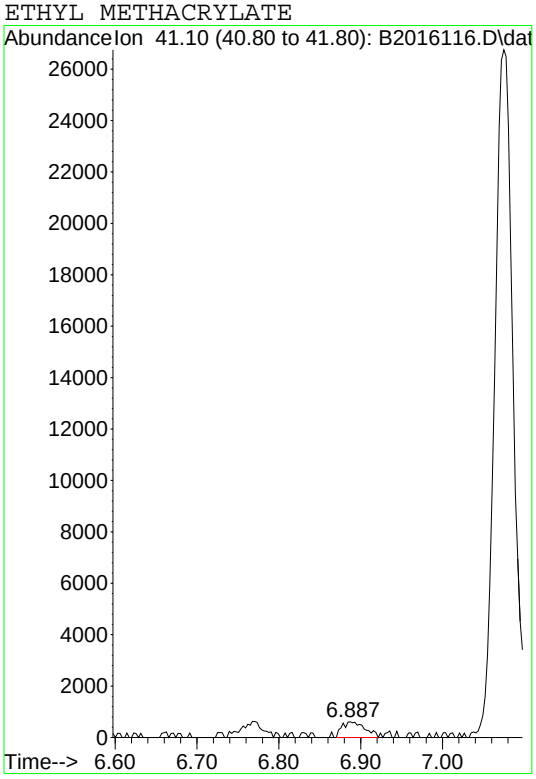
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068
Misc :

Quant Time : Tue Jun 09 12:17:20 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL METHACRYLATE



Original Int. Results

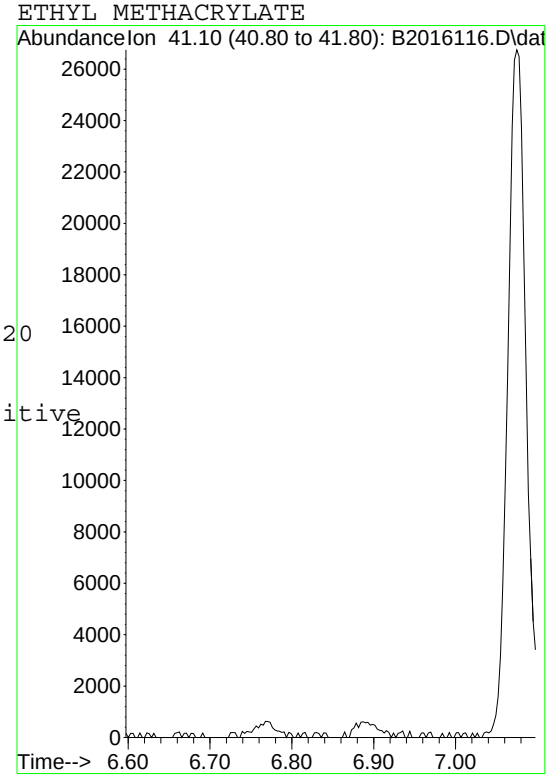
RT : 6.89
Area : 1190
Amount: 0

Manual Int. Results

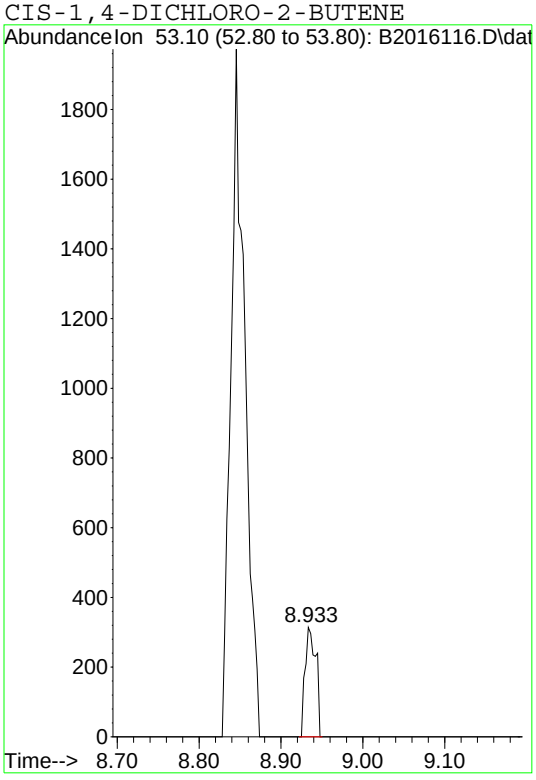
Tue Jun 09 12:17:46 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

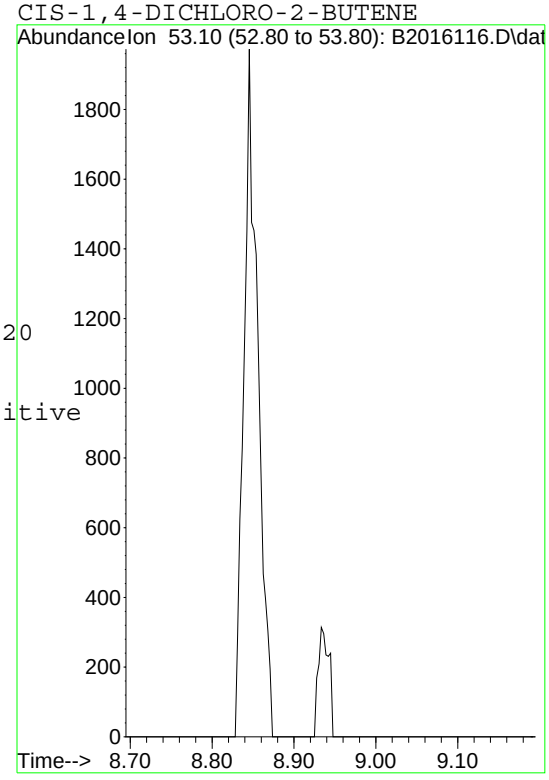
RT : 8.93
Area : 289
Amount: 0

Manual Int. Results

Tue Jun 09 12:17:55 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 06:17:28 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	92778	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	151730	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83714	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	87449	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59920	26.37	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 105.48%				
45) TOLUENE-D8 SS	6.438	98	158623	25.86	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.44%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	65481	25.25	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.00%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	40599	19.11	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	51419	13.10	UG/L	#	89
5) CHLOROMETHANE	1.237	50	101768	17.79	UG/L		100
6) VINYL CHLORIDE	1.308	62	43987	16.14	UG/L		95
7) BROMOMETHANE	1.499	94	6197	7.47	UG/L		92
8) CHLOROETHANE	1.561	64	21843	17.63	UG/L		94
9) FLUORODICHLOROMETHANE	1.695	67	59331	22.05	UG/L		100
10) TRICHLOROFLUOROMETHANE	1.726	101	48598	19.18	UG/L		95
11) ETHANOL	1.888	45	4328	137.88	UG/L	#	75
12) DI ETHYL ETHER	1.931	59	26013	15.33	UG/L	#	82
13) ACROLEIN	2.033	56	87040	149.30	UG/L	#	95
14) ACETONE	2.150	43	128418	143.13	UG/L		99
15) 1,1-DICHLOROETHENE	2.090	61	51671	18.03	UG/L	#	91
16) 1,1,2-TRICL-1,2,2-TRIF...	2.084	101	25574	21.90	UG/L		94
17) IODOMETHANE	2.215	142	226062	116.84	UG/L		99
18) METHYL ACETATE	2.405	43	37227	12.22	UG/L	#	83
19) T-BUTYL ALCOHOL	2.604	59	47110	149.54	UG/L		99
20) ACRYLONITRILE	2.724	53	15703	13.13	UG/L		96
21) METHYLENE CHLORIDE	2.485	49	52886	13.33	UG/L	#	76
22) CARBON DISULFIDE	2.263	76	813446	211.07	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.724	73	76362	19.67	UG/L	#	82
24) TRANS 1,2-DICHLOROETHENE	2.724	61	48979	17.28	UG/L	#	86
25) 1,1-DICHLOROETHANE	3.150	63	59359	17.70	UG/L		96
26) VINYL ACETATE	3.213	43	1005611	147.36	UG/L	#	93
27) DI ISOPROPYL ETHER	3.218	45	123523	12.86	UG/L	#	81
28) 2-BUTANONE	3.784	43	200034	135.44	UG/L	#	89
29) T-BUTYL ETHYL ETHER	3.588	59	108359	14.85	UG/L	#	92
30) CIS-1,2-DICHLOROETHENE	3.744	61	57597	17.18	UG/L	#	88
31) 2,2-DICHLOROPROPANE	3.738	77	44826	21.56	UG/L		99
32) ETHYL ACETATE	3.841	43	35968	10.83	UG/L	#	87
33) BROMOCHLOROMETHANE	3.988	128	13595	21.39	UG/L	#	62
34) TETRAHYDROFURAN	4.034	42	12410	11.50	UG/L	#	78
35) T-BUTYL FORMATE	4.125	59	33172	15.62	UG/L	#	91
36) CHLOROFORM	4.077	83	53086	21.57	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.236	97	49160	21.65	UG/L		94
38) CYCLOHEXANE	4.278	56	75404	14.25	UG/L	#	84
39) CARBON TETRACHLORIDE	4.395	117	43223	20.74	UG/L		99
40) 1,1-DICHLOROPROPENE	4.403	75	43047	22.52	UG/L		97
41) BENZENE	4.608	78	112443	21.19	UG/L		98
42) T-AMYL ALCOHOL	4.668	59	37780	189.97	UG/L		93
43) T-AMYLMETHYL ETHER	4.730	73	78407	20.07	UG/L	#	85
46) 1,2-DICHLOROETHANE	4.642	62	49691	15.81	UG/L		92
47) TRICHLOROETHENE	5.247	95	30787	20.30	UG/L		99

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

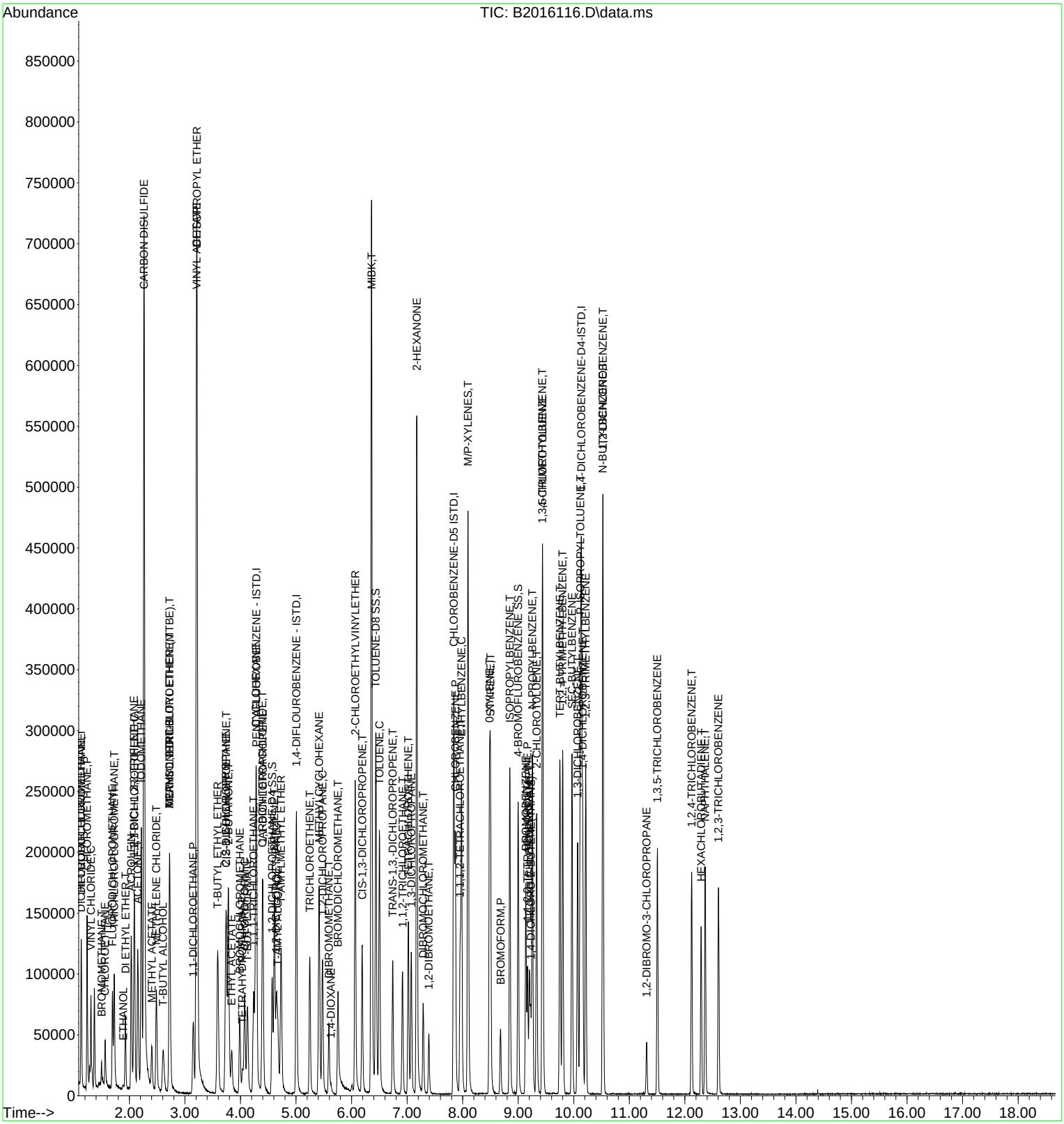
Quant Time: Jun 10 06:17:28 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	54348	19.97 UG/L #	71
49) 1,2-DICHLOROPROPANE	5.478	63	33632	15.86 UG/L	96
50) DIBROMOMETHANE	5.591	93	18972	19.09 UG/L	94
51) 1,4-DIOXANE	5.628	88	4002	182.75 UG/L #	68
52) BROMODICHLOROMETHANE	5.753	83	39700	18.30 UG/L	100
53) 2-CHLOROETHYLVINYLETHER	6.066	63	91293	53.15 UG/L	80
54) MIBK	6.359	43	457307	132.19 UG/L #	97
55) CIS-1,3-DICHLOROPROPENE	6.191	75	49281	19.09 UG/L	88
56) TOLUENE	6.501	91	128259	18.65 UG/L	99
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	43177	19.04 UG/L	90
59) 1,1,2-TRICHLOROETHANE	6.918	97	25334	18.14 UG/L	95
60) 2-HEXANONE	7.174	43	340113	133.55 UG/L #	98
61) TETRACHLOROETHENE	7.021	164	26528	18.55 UG/L	96
62) 1,3-DICHLOROPROPANE	7.075	76	45874	18.77 UG/L #	77
63) DIBROMOCHLOROMETHANE	7.288	129	31711	17.85 UG/L	100
64) 1,2-DIBROMOETHANE	7.390	107	28670	18.12 UG/L #	99
67) CHLOROBENZENE	7.868	112	86787	19.95 UG/L	99
68) 1,1,1,2-TETRACHLOROETHANE	7.953	131	29334	18.12 UG/L	95
69) ETHYLBENZENE	7.979	91	149370	19.53 UG/L	99
70) M/P-XYLENES	8.095	91	236051	39.15 UG/L	98
71) 0-XYLENE	8.482	91	122324	19.29 UG/L	100
72) STYRENE	8.501	104	94637	19.32 UG/L #	85
73) BROMOFORM	8.683	173	22020	17.33 UG/L	95
74) ISOPROPYLBENZENE	8.848	105	152783	19.65 UG/L	99
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	40163	19.84 UG/L	97
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	15057	11.81 UG/L #	84
78) BROMOBENZENE	9.135	77	54226	19.43 UG/L	94
79) 1,2,3-TRICHLOROPROPANE	9.201	110	11710	17.84 UG/L	98
80) N-PROPYLBENZENE	9.255	91	188535	19.67 UG/L	99
81) 2-CHLOROT0LUENE	9.331	91	106206	19.18 UG/L	98
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	129448	19.09 UG/L	97
83) 4-CHLOROTOLUENE	9.439	91	125176	19.12 UG/L	98
85) TERT-BUTYLBENZENE	9.752	119	112472	20.99 UG/L	99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	132387	21.02 UG/L	97
87) SEC-BUTYLBENZENE	9.968	105	167589	21.29 UG/L	99
88) 1,3-DICHLOROBENZENE	10.070	146	72714	20.40 UG/L	98
89) P-ISOPROPYLTOLUENE	10.119	119	141123	20.89 UG/L	98
90) 1,4-DICHLOROBENZENE	10.161	146	75442	20.75 UG/L	98
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	127832	20.80 UG/L #	100
92) N-BUTYLBENZENE	10.522	91	135529	21.20 UG/L	99
93) 1,2-DICHLOROBENZENE	10.525	146	70816	20.93 UG/L	100
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	8038	20.29 UG/L	94
95) 1,3,5-TRICHLOROBENZENE	11.505	180	53050	18.46 UG/L	91
96) 1,2,4-TRICHLOROBENZENE	12.122	180	47797	18.98 UG/L	92
97) HEXACHLOROBUTADIENE	12.293	225	23275	14.87 UG/L	98
98) NAPHTHALENE	12.367	128	123282	20.58 UG/L	100
99) 1,2,3-TRICHLOROBENZENE	12.605	180	44578	18.99 UG/L	94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016116.D
Acq On : 9 Jun 2020 11:57 am
Operator :
Sample : 8260 STD 20 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 10 06:17:28 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 09 19:30:51 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	95369	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	154828	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	85242	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	90183	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	60116	25.74	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.96%				
45) TOLUENE-D8 SS	6.438	98	159390	25.47	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.88%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	66724	25.26	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.04%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	81745	37.43	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.138	51	110904	27.48	UG/L	#	88
5) CHLOROMETHANE	1.240	50	180652	30.72	UG/L		100
6) VINYL CHLORIDE	1.308	62	98698	35.23	UG/L		95
7) BROMOMETHANE	1.502	94	27464m	32.22	UG/L		
8) CHLOROETHANE	1.570	64	51512	40.44	UG/L		97
9) FLUORODICHLOROMETHANE	1.698	67	143837	52.00	UG/L		97
10) TRICHLOROFLUOROMETHANE	1.732	101	122213	46.93	UG/L		100
12) DI ETHYL ETHER	1.931	59	63050	36.14	UG/L	#	75
13) ACROLEIN	2.036	56	188946	315.29	UG/L	#	95
14) ACETONE	2.153	43	316694	343.39	UG/L		100
15) 1,1-DICHLOROETHENE	2.093	61	123110	41.79	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.087	101	61376	51.13	UG/L		93
17) IODOMETHANE	2.218	142	724482	364.26	UG/L		95
18) METHYL ACETATE	2.403	43	97662	31.19	UG/L	#	84
19) T-BUTYL ALCOHOL	2.607	59	121631	375.60	UG/L		97
20) ACRYLONITRILE	2.724	53	38555	31.36	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	127441	31.24	UG/L	#	74
22) CARBON DISULFIDE	2.266	76	1784670	450.49	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.727	73	191902	48.08	UG/L	#	83
24) TRANS 1,2-DICHLOROETHENE	2.724	61	117865	40.45	UG/L	#	85
25) 1,1-DICHLOROETHANE	3.153	63	145121	42.09	UG/L		97
26) VINYL ACETATE	3.215	43	2328857	331.99	UG/L	#	92
27) DI ISOPROPYL ETHER	3.215	45	311433	31.53	UG/L	#	83
28) 2-BUTANONE	3.781	43	492595	324.46	UG/L	#	87
29) T-BUTYL ETHYL ETHER	3.591	59	271169	36.16	UG/L	#	91
30) CIS-1,2-DICHLOROETHENE	3.744	61	139462	40.47	UG/L	#	86
31) 2,2-DICHLOROPROPANE	3.736	77	109603	51.28	UG/L		100
32) ETHYL ACETATE	3.844	43	115025m	33.70	UG/L		
33) BROMOCHLOROMETHANE	3.988	128	32357	49.52	UG/L	#	58
34) TETRAHYDROFURAN	4.037	42	31671	28.54	UG/L	#	82
35) T-BUTYL FORMATE	4.128	59	86356	37.36	UG/L	#	92
36) CHLOROFORM	4.077	83	131495	51.98	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.236	97	120796	51.74	UG/L		96
38) CYCLOHEXANE	4.276	56	169151	31.09	UG/L	#	79
39) CARBON TETRACHLORIDE	4.395	117	108120	50.47	UG/L		100
40) 1,1-DICHLOROPROPENE	4.403	75	101718	51.77	UG/L		99
41) BENZENE	4.614	78	269908	49.48	UG/L		98
42) T-AMYL ALCOHOL	4.665	59	91925	384.55	UG/L	#	90
43) T-AMYLMETHYL ETHER	4.730	73	202802	50.49	UG/L	#	85
46) 1,2-DICHLOROETHANE	4.648	62	123925	38.63	UG/L	#	91
47) TRICHLOROETHENE	5.247	95	75119	48.54	UG/L		99
48) METHYLCYCLOHEXANE	5.418	83	130681	47.06	UG/L	#	70

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

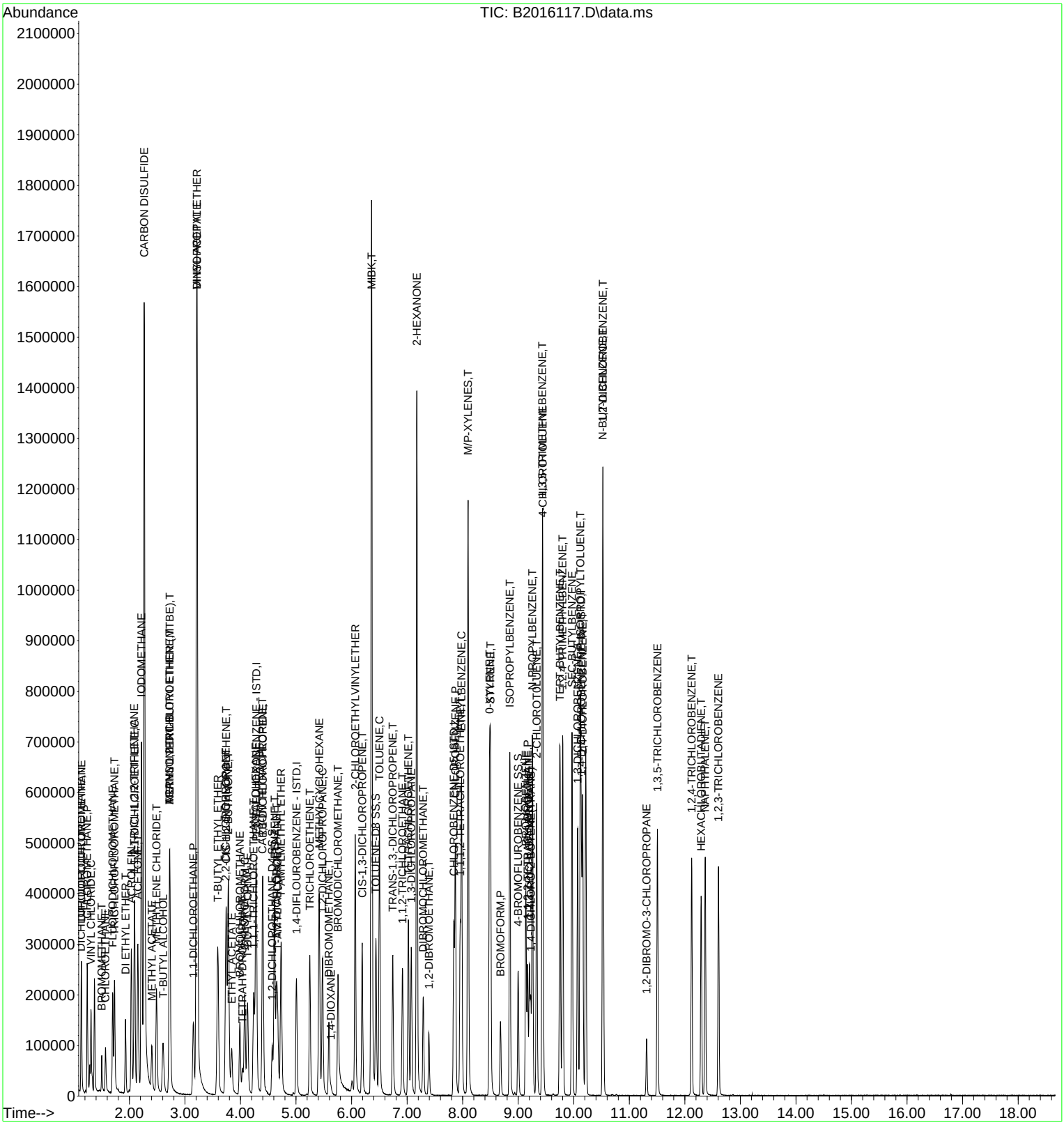
Quant Time: Jun 09 19:30:51 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.478	63	82200	37.99	UG/L		99
50) DIBROMOMETHANE	5.591	93	47962	47.30	UG/L		93
51) 1,4-DIOXANE	5.628	88	10583	449.25	UG/L	#	73
52) BROMODICHLOROMETHANE	5.753	83	100712	45.49	UG/L		99
53) 2-CHLOROETHYLVINYLETHER	6.066	63	178127	101.63	UG/L		83
54) MIBK	6.359	43	1098196	311.10	UG/L	#	95
55) CIS-1,3-DICHLOROPROPENE	6.191	75	123609	46.94	UG/L		87
56) TOLUENE	6.501	91	309492	44.10	UG/L		98
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	108909	47.07	UG/L		90
59) 1,1,2-TRICHLOROETHANE	6.916	97	62786	44.06	UG/L		96
60) 2-HEXANONE	7.174	43	822471	316.49	UG/L	#	97
61) TETRACHLOROETHENE	7.021	164	66532	45.58	UG/L		96
62) 1,3-DICHLOROPROPANE	7.075	76	114768	46.01	UG/L	#	75
63) DIBROMOCHLOROMETHANE	7.291	129	82858	45.71	UG/L		98
64) 1,2-DIBROMOETHANE	7.393	107	70164	43.46	UG/L	#	97
67) CHLOROBENZENE	7.868	112	212071	47.87	UG/L		99
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	76892	46.64	UG/L		97
69) ETHYLBENZENE	7.979	91	363481	46.68	UG/L		99
70) M/P-XYLENES	8.098	91	575195	93.70	UG/L		98
71) 0-XYLENE	8.482	91	297311	46.04	UG/L		99
72) STYRENE	8.502	104	235252	47.17	UG/L	#	86
73) BROMOFORM	8.681	173	58366	45.12	UG/L		97
74) ISOPROPYLBENZENE	8.848	105	376738	47.60	UG/L		98
76) 1,1,2,2-TETRACHLOROETHANE	9.169	83	102416	49.68	UG/L		99
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	39416	30.36	UG/L	#	81
78) BROMOBENZENE	9.138	77	134166	47.22	UG/L		95
79) 1,2,3-TRICHLOROPROPANE	9.201	110	29802	44.58	UG/L		94
80) N-PROPYLBENZENE	9.255	91	466408	47.78	UG/L		99
81) 2-CHLOROT0LUENE	9.331	91	259177	45.96	UG/L		97
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	324302	46.97	UG/L		98
83) 4-CHLOROTOLUENE	9.442	91	312922	46.95	UG/L		98
85) TERT-BUTYLBENZENE	9.752	119	283108	51.23	UG/L		100
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	327937	50.50	UG/L		96
87) SEC-BUTYLBENZENE	9.968	105	424155	52.26	UG/L		99
88) 1,3-DICHLOROBENZENE	10.070	146	186326	50.69	UG/L		99
89) P-ISOPROPYLTOLUENE	10.119	119	357542	51.33	UG/L		98
90) 1,4-DICHLOROBENZENE	10.161	146	191574	51.09	UG/L		99
91) N-BUTYLBENZENE	10.522	91	344976	52.32	UG/L		100
92) 1,2-DICHLOROBENZENE	10.525	146	177712	50.94	UG/L		99
93) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	21433	52.45	UG/L		93
94) 1,3,5-TRICHLOROBENZENE	11.508	180	140364	47.36	UG/L		92
95) 1,2,4-TRICHLOROBENZENE	12.122	180	126033	48.52	UG/L		94
96) HEXACHLOROBUTADIENE	12.293	225	65881	40.82	UG/L		98
97) NAPHTHALENE	12.367	128	313576	50.76	UG/L		99
98) 1,2,3-TRICHLOROBENZENE	12.605	180	115704	47.78	UG/L		93

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

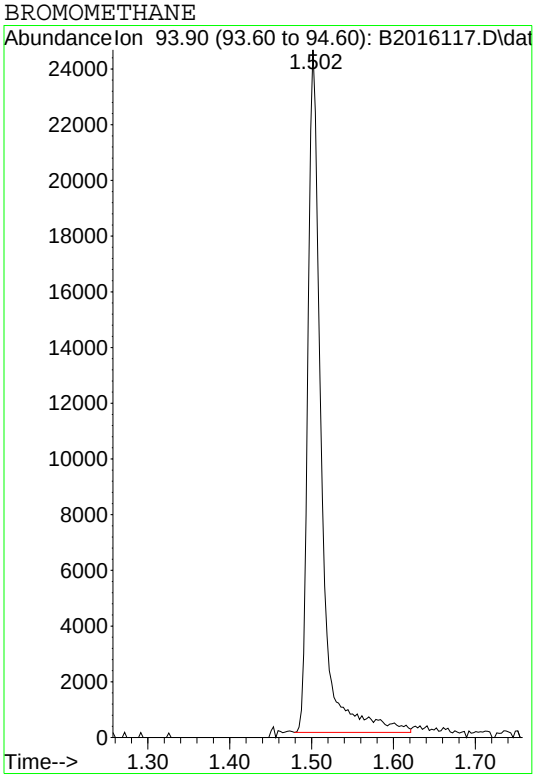
Quant Time: Jun 09 19:30:51 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:30:51 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
BROMOMETHANE



Original Int. Results

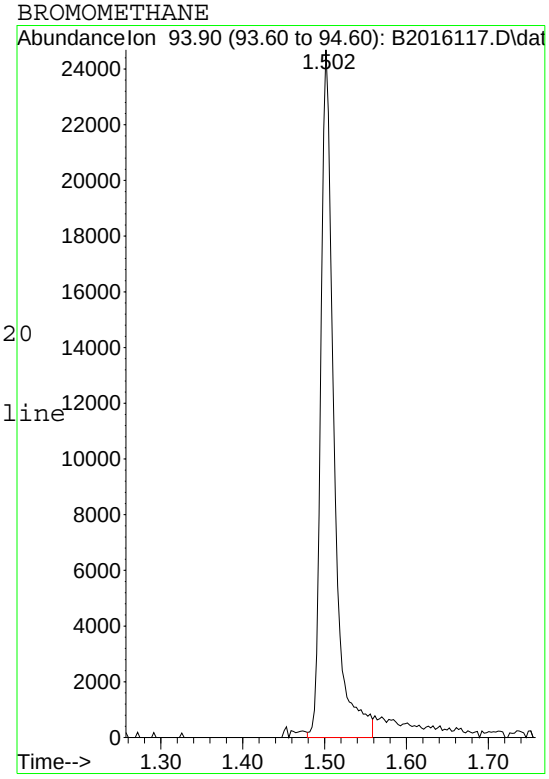
RT : 1.50
Area : 27864
Amount: 32.6877

Manual Int. Results

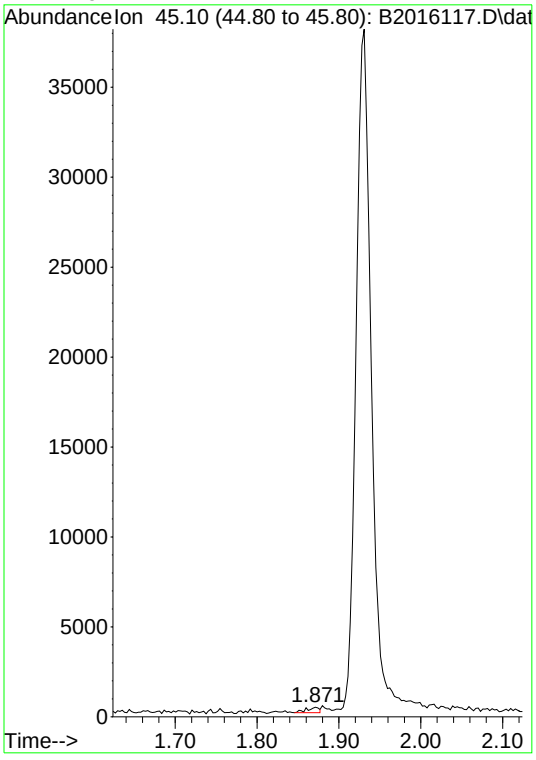
Tue Jun 09 19:30:49 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 27464
Amount: 32.2185

Manual Integration
BROMOMETHANE



Original Integration
ETHANOL



Original Int. Results

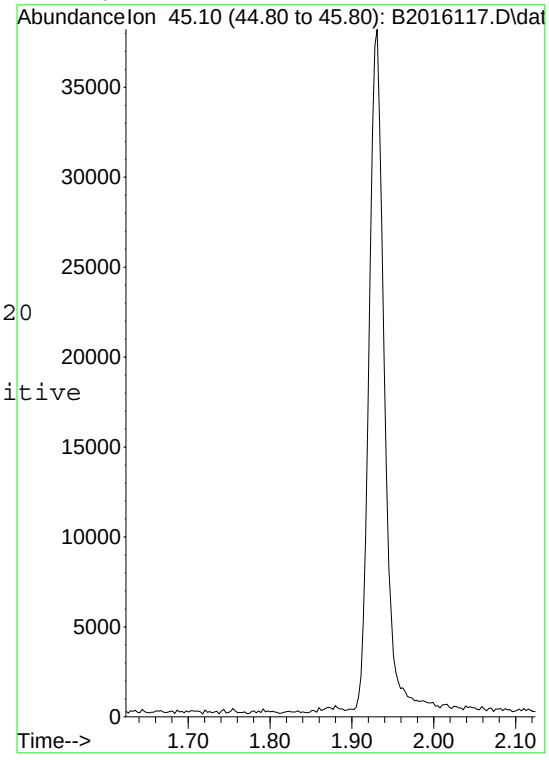
RT : 1.87
Area : 318
Amount: 62.6266

Manual Int. Results

Tue Jun 09 17:51:02 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

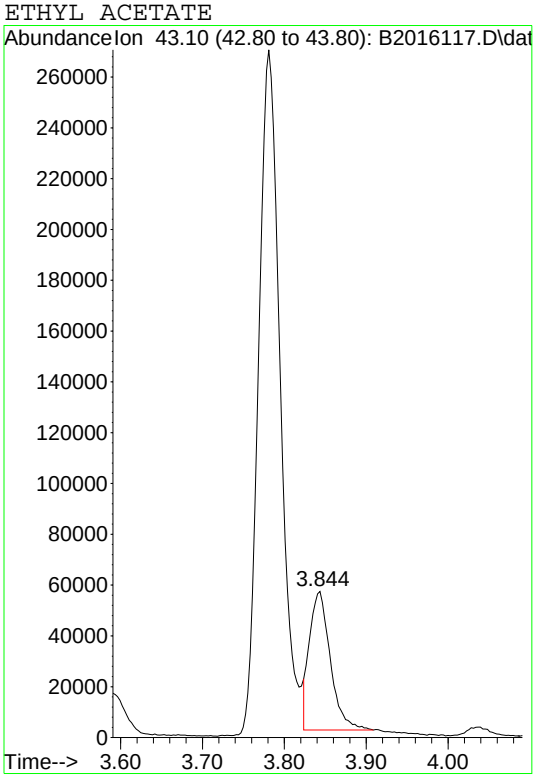
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:30:51 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL ACETATE



Original Int. Results

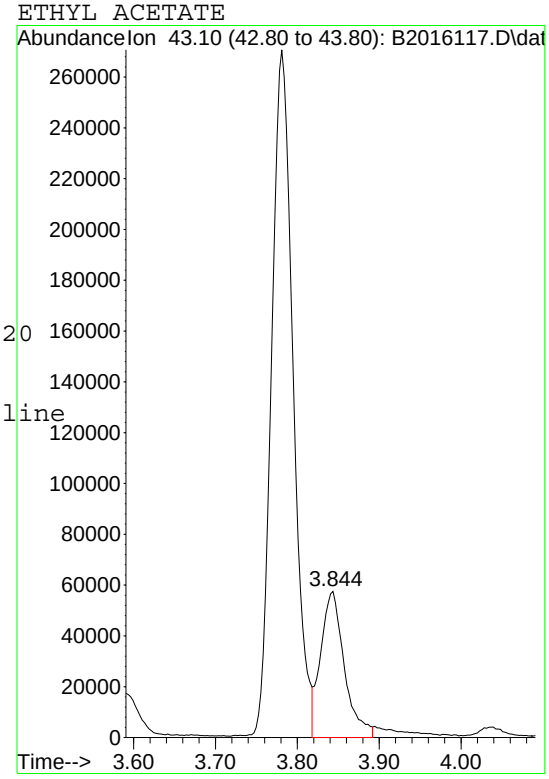
RT : 3.84
Area : 95987
Amount: 28.1228

Manual Int. Results

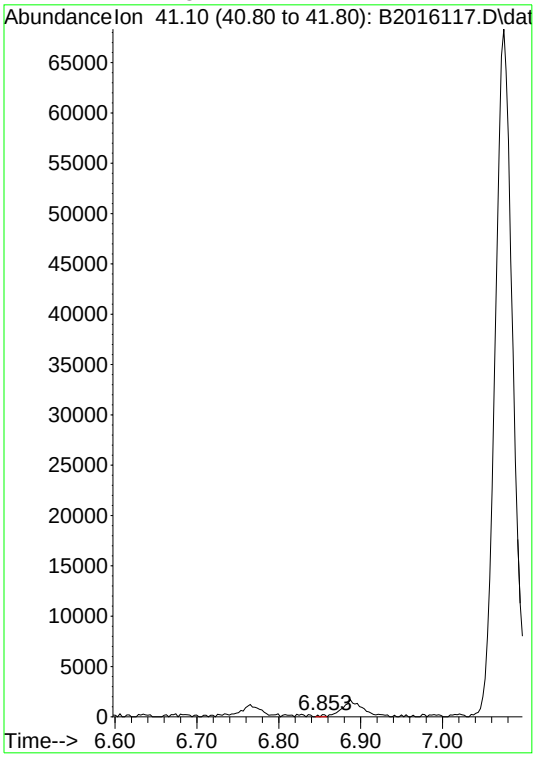
Tue Jun 09 17:53:19 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 115025
Amount: 33.7007

Manual Integration
ETHYL ACETATE



Original Integration
ETHYL METHACRYLATE



Original Int. Results

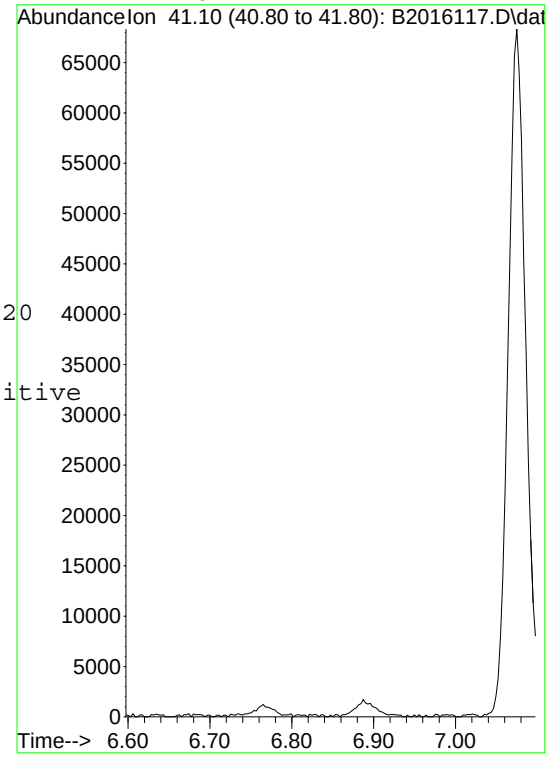
RT : 6.85
Area : 103
Amount: 0

Manual Int. Results

Tue Jun 09 17:54:52 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

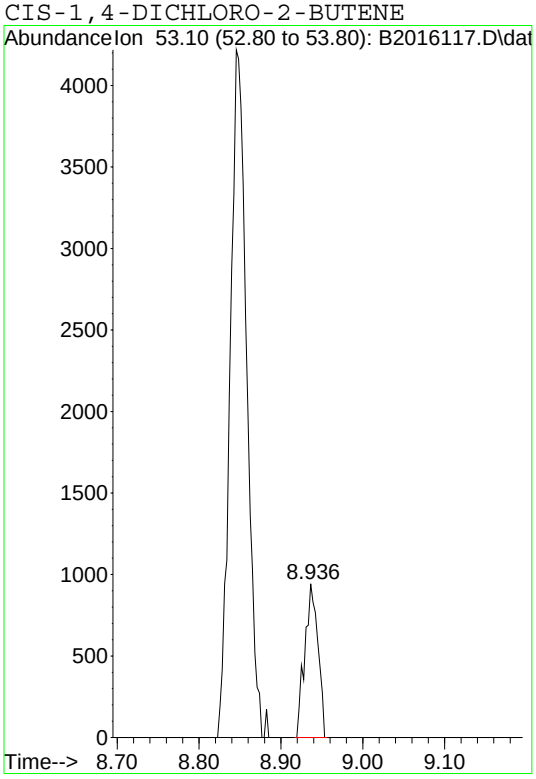
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:30:51 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

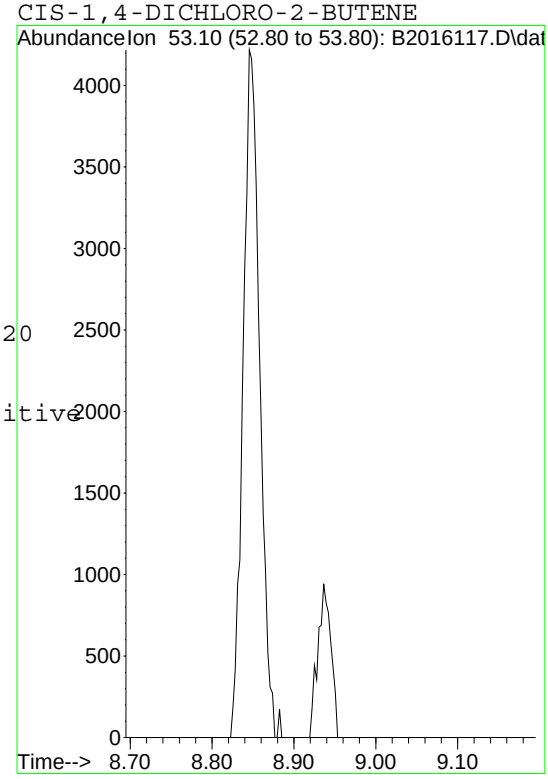
RT : 8.94
Area : 1055
Amount: 0

Manual Int. Results

Tue Jun 09 17:56:03 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 06:17:31 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	95369	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	154828	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	85242	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	90183	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	60116	25.74	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.96%				
45) TOLUENE-D8 SS	6.438	98	159390	25.47	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.88%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	66724	25.26	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.04%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	81745	37.43	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.138	51	110904	27.48	UG/L	#	88
5) CHLOROMETHANE	1.240	50	180652	30.72	UG/L		100
6) VINYL CHLORIDE	1.308	62	98698	35.23	UG/L		95
7) BROMOMETHANE	1.502	94	27864	32.69	UG/L		95
8) CHLOROETHANE	1.570	64	51512	40.44	UG/L		97
9) FLUORODICHLOROMETHANE	1.698	67	143837	52.00	UG/L		97
10) TRICHLOROFLUOROMETHANE	1.732	101	122213	46.93	UG/L		100
11) ETHANOL	1.871	45	318	62.63	UG/L	#	1
12) DI ETHYL ETHER	1.931	59	63050	36.14	UG/L	#	75
13) ACROLEIN	2.036	56	188946	315.29	UG/L	#	95
14) ACETONE	2.153	43	316694	343.39	UG/L		100
15) 1,1-DICHLOROETHENE	2.093	61	123110	41.79	UG/L	#	90
16) 1,1,2-TRICL-1,2,2-TRIF...	2.087	101	61376	51.13	UG/L		93
17) IODOMETHANE	2.218	142	724482	364.26	UG/L		95
18) METHYL ACETATE	2.403	43	97662	31.19	UG/L	#	84
19) T-BUTYL ALCOHOL	2.607	59	121631	375.60	UG/L		97
20) ACRYLONITRILE	2.724	53	38555	31.36	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	127441	31.24	UG/L	#	74
22) CARBON DISULFIDE	2.266	76	1784670	450.49	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.727	73	191902	48.08	UG/L	#	83
24) TRANS 1,2-DICHLOROETHENE	2.724	61	117865	40.45	UG/L	#	85
25) 1,1-DICHLOROETHANE	3.153	63	145121	42.09	UG/L		97
26) VINYL ACETATE	3.215	43	2328857	331.99	UG/L	#	92
27) DI ISOPROPYL ETHER	3.215	45	311433	31.53	UG/L	#	83
28) 2-BUTANONE	3.781	43	492595	324.46	UG/L	#	87
29) T-BUTYL ETHYL ETHER	3.591	59	271169	36.16	UG/L	#	91
30) CIS-1,2-DICHLOROETHENE	3.744	61	139462	40.47	UG/L	#	86
31) 2,2-DICHLOROPROPANE	3.736	77	109603	51.28	UG/L		100
32) ETHYL ACETATE	3.844	43	95987	28.12	UG/L	#	91
33) BROMOCHLOROMETHANE	3.988	128	32357	49.52	UG/L	#	58
34) TETRAHYDROFURAN	4.037	42	31671	28.54	UG/L	#	82
35) T-BUTYL FORMATE	4.128	59	86356	39.56	UG/L	#	92
36) CHLOROFORM	4.077	83	131495	51.98	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.236	97	120796	51.74	UG/L		96
38) CYCLOHEXANE	4.276	56	169151	31.09	UG/L	#	79
39) CARBON TETRACHLORIDE	4.395	117	108120	50.47	UG/L		100
40) 1,1-DICHLOROPROPENE	4.403	75	101718	51.77	UG/L		99
41) BENZENE	4.614	78	269908	49.48	UG/L		98
42) T-AMYL ALCOHOL	4.665	59	91925	449.66	UG/L	#	90
43) T-AMYLMETHYL ETHER	4.730	73	202802	50.49	UG/L	#	85
46) 1,2-DICHLOROETHANE	4.648	62	123925	38.63	UG/L	#	91
47) TRICHLOROETHENE	5.247	95	75119	48.54	UG/L		99

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

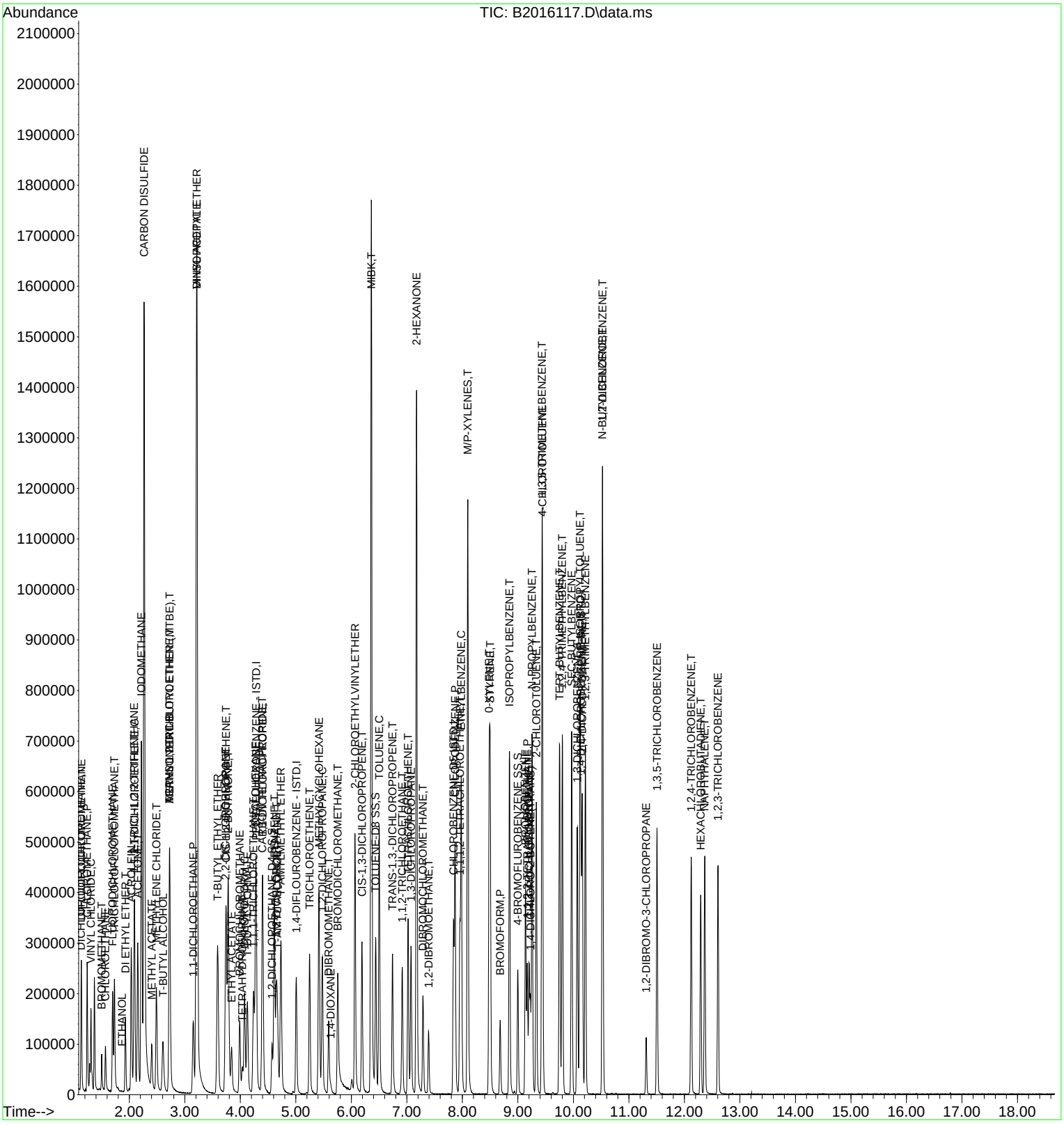
Quant Time: Jun 10 06:17:31 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.418	83	130681	47.06 UG/L #	70
49) 1,2-DICHLOROPROPANE	5.478	63	82200	37.99 UG/L	99
50) DIBROMOMETHANE	5.591	93	47962	47.30 UG/L	93
51) 1,4-DIOXANE	5.628	88	10583	449.25 UG/L #	73
52) BROMODICHLOROMETHANE	5.753	83	100712	45.49 UG/L	99
53) 2-CHLOROETHYLVINYLETHER	6.066	63	178127	101.63 UG/L	83
54) MIBK	6.359	43	1098196	311.10 UG/L #	95
55) CIS-1,3-DICHLOROPROPENE	6.191	75	123609	46.94 UG/L	87
56) TOLUENE	6.501	91	309492	44.10 UG/L	98
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	108909	47.07 UG/L	90
59) 1,1,2-TRICHLOROETHANE	6.916	97	62786	44.06 UG/L	96
60) 2-HEXANONE	7.174	43	822471	316.49 UG/L #	97
61) TETRACHLOROETHENE	7.021	164	66532	45.58 UG/L	96
62) 1,3-DICHLOROPROPANE	7.075	76	114768	46.01 UG/L #	75
63) DIBROMOCHLOROMETHANE	7.291	129	82858	45.71 UG/L	98
64) 1,2-DIBROMOETHANE	7.393	107	70164	43.46 UG/L #	97
67) CHLOROBENZENE	7.868	112	212071	47.87 UG/L	99
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	76892	46.64 UG/L	97
69) ETHYLBENZENE	7.979	91	363481	46.68 UG/L	99
70) M/P-XYLENES	8.098	91	575195	93.70 UG/L	98
71) 0-XYLENE	8.482	91	297311	46.04 UG/L	99
72) STYRENE	8.502	104	235252	47.17 UG/L #	86
73) BROMOFORM	8.681	173	58366	45.12 UG/L	97
74) ISOPROPYLBENZENE	8.848	105	376738	47.60 UG/L	98
76) 1,1,2,2-TETRACHLOROETHANE	9.169	83	102416	49.68 UG/L	99
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	39416	30.36 UG/L #	81
78) BROMOBENZENE	9.138	77	134166	47.22 UG/L	95
79) 1,2,3-TRICHLOROPROPANE	9.201	110	29802	44.58 UG/L	94
80) N-PROPYLBENZENE	9.255	91	466408	47.78 UG/L	99
81) 2-CHLOROT0LUENE	9.331	91	259177	45.96 UG/L	97
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	324302	46.97 UG/L	98
83) 4-CHLOROTOLUENE	9.442	91	312922	46.95 UG/L	98
85) TERT-BUTYLBENZENE	9.752	119	283108	51.23 UG/L	100
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	327937	50.50 UG/L	96
87) SEC-BUTYLBENZENE	9.968	105	424155	52.26 UG/L	99
88) 1,3-DICHLOROBENZENE	10.070	146	186326	50.69 UG/L	99
89) P-ISOPROPYLTOLUENE	10.119	119	357542	51.33 UG/L	98
90) 1,4-DICHLOROBENZENE	10.161	146	191574	51.09 UG/L	99
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	329024	51.91 UG/L #	100
92) N-BUTYLBENZENE	10.522	91	344976	52.32 UG/L	100
93) 1,2-DICHLOROBENZENE	10.525	146	177712	50.94 UG/L	99
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	21433	52.45 UG/L	93
95) 1,3,5-TRICHLOROBENZENE	11.508	180	140364	47.36 UG/L	92
96) 1,2,4-TRICHLOROBENZENE	12.122	180	126033	48.52 UG/L	94
97) HEXACHLOROBUTADIENE	12.293	225	65881	40.82 UG/L	98
98) NAPHTHALENE	12.367	128	313576	50.76 UG/L	99
99) 1,2,3-TRICHLOROBENZENE	12.605	180	115704	47.78 UG/L	93

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016117.D
Acq On : 9 Jun 2020 12:23 pm
Operator :
Sample : 8260 STD 50 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 10 06:17:31 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 09 19:31:26 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	96627	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	155390	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	86242	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.139	152	92022	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59991	25.35	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.40%				
45) TOLUENE-D8 SS	6.441	98	163747	26.07	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.28%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	68592	25.67	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.68%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	162760	73.56	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	222428	54.40	UG/L	#	87
5) CHLOROMETHANE	1.240	50	334268	56.10	UG/L		100
6) VINYL CHLORIDE	1.309	62	199288	70.20	UG/L		93
7) BROMOMETHANE	1.499	94	64568m	74.76	UG/L		
8) CHLOROETHANE	1.564	64	102414	79.35	UG/L		97
9) FLUORODICHLOROMETHANE	1.695	67	290531	103.67	UG/L		96
10) TRICHLOROFLUOROMETHANE	1.729	101	250239	94.85	UG/L		100
12) DI ETHYL ETHER	1.928	59	127004	71.84	UG/L	#	75
13) ACROLEIN	2.033	56	361103	594.71	UG/L	#	94
14) ACETONE	2.153	43	618721	662.14	UG/L		100
15) 1,1-DICHLOROETHENE	2.090	61	247826	83.04	UG/L	#	89
16) 1,1,2-TRICL-1,2,2-TRIF...	2.084	101	124295	102.19	UG/L		95
17) IODOMETHANE	2.215	142	1457869	723.46	UG/L		93
18) METHYL ACETATE	2.403	43	207291	65.34	UG/L	#	83
19) T-BUTYL ALCOHOL	2.607	59	242247	738.33	UG/L		97
20) ACRYLONITRILE	2.727	53	78253	62.83	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	261163	63.19	UG/L	#	74
22) CARBON DISULFIDE	2.266	76	3603314	897.72	UG/L		97
23) METHYL TERT-BUTYL ETHE...	2.724	73	392588	97.08	UG/L	#	81
24) TRANS 1,2-DICHLOROETHENE	2.721	61	240798	81.57	UG/L	#	84
25) 1,1-DICHLOROETHANE	3.150	63	294992	84.45	UG/L		96
26) VINYL ACETATE	3.215	43	4055061	570.54	UG/L	#	90
27) DI ISOPROPYL ETHER	3.218	45	616610	61.62	UG/L	#	81
28) 2-BUTANONE	3.781	43	966555	628.36	UG/L	#	86
29) T-BUTYL ETHYL ETHER	3.591	59	544798	71.70	UG/L	#	92
30) CIS-1,2-DICHLOROETHENE	3.744	61	285436	81.76	UG/L	#	85
31) 2,2-DICHLOROPROPANE	3.733	77	223641	103.27	UG/L		98
32) ETHYL ACETATE	3.841	43	224678m	64.97	UG/L		
33) BROMOCHLOROMETHANE	3.989	128	54882	82.90	UG/L	#	57
34) TETRAHYDROFURAN	4.034	42	62986	56.03	UG/L	#	85
35) T-BUTYL FORMATE	4.128	59	168244	71.84	UG/L	#	91
36) CHLOROFORM	4.074	83	266674	104.04	UG/L		99
37) 1,1,1-TRICHLOROETHANE	4.239	97	248425	105.03	UG/L		96
38) CYCLOHEXANE	4.276	56	341832	62.02	UG/L	#	78
39) CARBON TETRACHLORIDE	4.395	117	224655	103.50	UG/L		100
40) 1,1-DICHLOROPROPENE	4.403	75	210724	105.86	UG/L		99
41) BENZENE	4.611	78	549657	99.46	UG/L		98
42) T-AMYL ALCOHOL	4.673	59	182623m	754.02	UG/L		
43) T-AMYLMETHYL ETHER	4.730	73	409121	100.53	UG/L	#	85
46) 1,2-DICHLOROETHANE	4.645	62	252953	78.56	UG/L	#	91
47) TRICHLOROETHENE	5.247	95	157861	101.64	UG/L		98
48) METHYLCYCLOHEXANE	5.415	83	269372	96.65	UG/L	#	71

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1

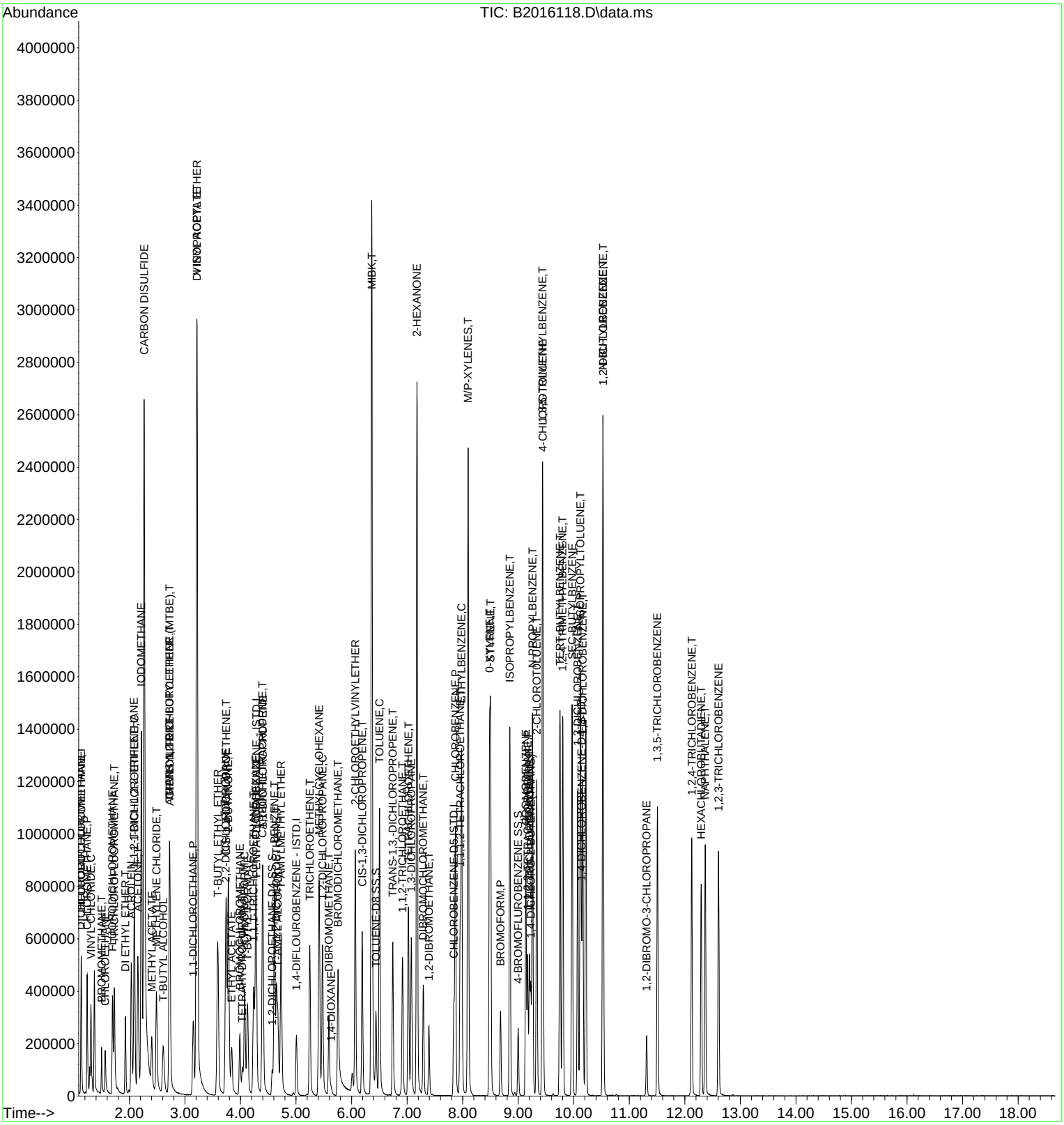
Quant Time: Jun 09 19:31:26 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.478	63	171523	78.98	UG/L		98
50) DIBROMOMETHANE	5.591	93	99054	97.34	UG/L		93
51) 1,4-DIOXANE	5.634	88	20819	865.89	UG/L	#	75
52) BROMODICHLOROMETHANE	5.753	83	208166	93.68	UG/L		99
53) 2-CHLOROETHYLVINYLETHER	6.066	63	329767	187.47	UG/L		84
54) MIBK	6.362	43	2103692	593.79	UG/L	#	93
55) CIS-1,3-DICHLOROPROPENE	6.191	75	255346	96.61	UG/L		88
56) TOLUENE	6.504	91	636371	90.34	UG/L		97
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	229759	98.93	UG/L		90
59) 1,1,2-TRICHLOROETHANE	6.916	97	132697	92.79	UG/L		96
60) 2-HEXANONE	7.177	43	1603143	614.66	UG/L	#	95
61) TETRACHLOROETHENE	7.024	164	140723	96.06	UG/L		96
62) 1,3-DICHLOROPROPANE	7.075	76	237352	94.81	UG/L	#	76
63) DIBROMOCHLOROMETHANE	7.291	129	175792	96.62	UG/L		99
64) 1,2-DIBROMOETHANE	7.393	107	147418	90.98	UG/L	#	97
67) CHLOROBENZENE	7.868	112	441651	98.53	UG/L		98
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	161881	97.06	UG/L		97
69) ETHYLBENZENE	7.981	91	752776	95.56	UG/L		98
70) M/P-XYLENES	8.098	91	1170823	188.52	UG/L		97
71) 0-XYLENE	8.485	91	618874	94.71	UG/L		98
72) STYRENE	8.502	104	489135	96.95	UG/L	#	86
73) BROMOFORM	8.681	173	126634	96.77	UG/L		97
74) ISOPROPYLBENZENE	8.848	105	784802	98.00	UG/L		98
76) 1,1,2,2-TETRACHLOROETHANE	9.169	83	210673	101.01	UG/L		99
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	84497	64.33	UG/L	#	79
78) BROMOBENZENE	9.138	77	283933	98.78	UG/L		95
79) 1,2,3-TRICHLOROPROPANE	9.204	110	62748	92.78	UG/L		95
80) N-PROPYLBENZENE	9.258	91	960388	97.25	UG/L		98
81) 2-CHLOROT0LUENE	9.334	91	545292	95.58	UG/L		97
82) 1,3,5-TRIMETHYLBENZENE	9.437	105	674751	96.59	UG/L		97
83) 4-CHLOROTOLUENE	9.442	91	652387	96.75	UG/L		98
85) TERT-BUTYLBENZENE	9.752	119	592385	105.05	UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	679477	102.54	UG/L		95
87) SEC-BUTYLBENZENE	9.971	105	876571	105.84	UG/L		98
88) 1,3-DICHLOROBENZENE	10.070	146	393594	104.95	UG/L		99
89) P-ISOPROPYLTOLUENE	10.119	119	736735	103.65	UG/L		98
90) 1,4-DICHLOROBENZENE	10.161	146	398518	104.16	UG/L		98
91) N-BUTYLBENZENE	10.525	91	712271	105.86	UG/L		100
92) 1,2-DICHLOROBENZENE	10.528	146	370622	104.12	UG/L		98
93) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	44254	106.13	UG/L		95
94) 1,3,5-TRICHLOROBENZENE	11.506	180	293597	97.08	UG/L		93
95) 1,2,4-TRICHLOROBENZENE	12.125	180	261058	98.50	UG/L		93
96) HEXACHLOROBUTADIENE	12.293	225	137949	83.77	UG/L		98
97) NAPHTHALENE	12.367	128	641036	101.70	UG/L		99
98) 1,2,3-TRICHLOROBENZENE	12.608	180	245573	99.39	UG/L		95

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1

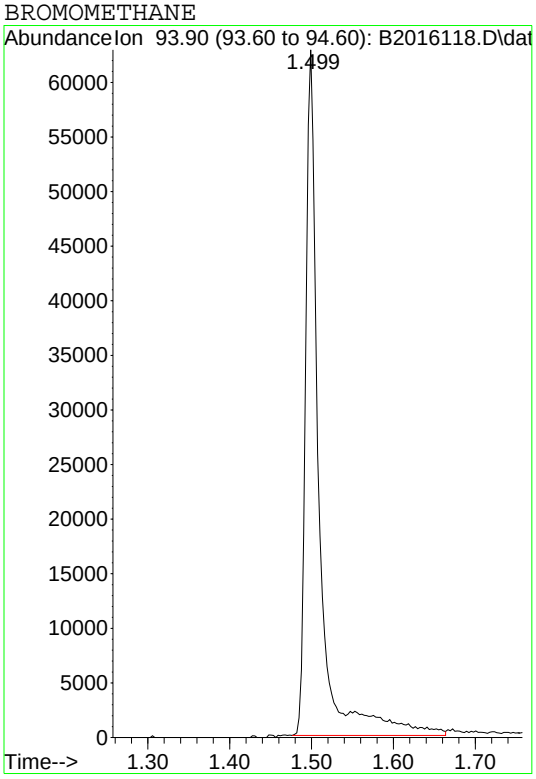
Quant Time: Jun 09 19:31:26 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:31:26 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
BROMOMETHANE



Original Int. Results

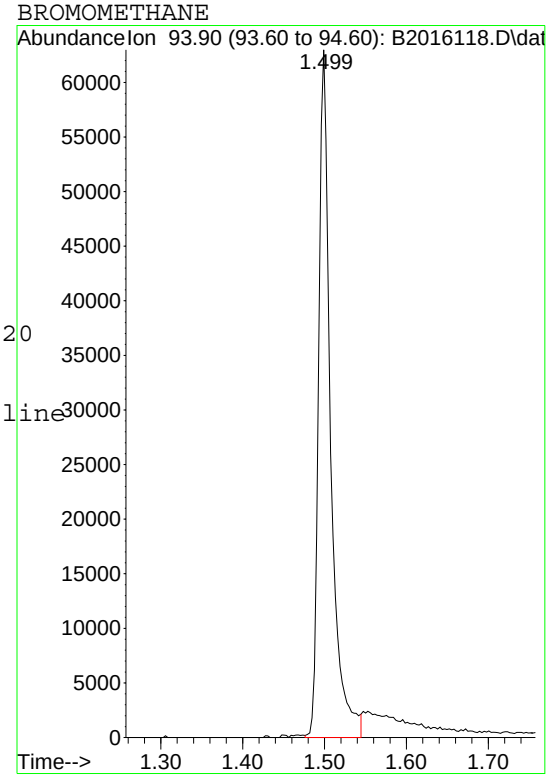
RT : 1.50
Area : 72391
Amount: 83.8174

Manual Int. Results

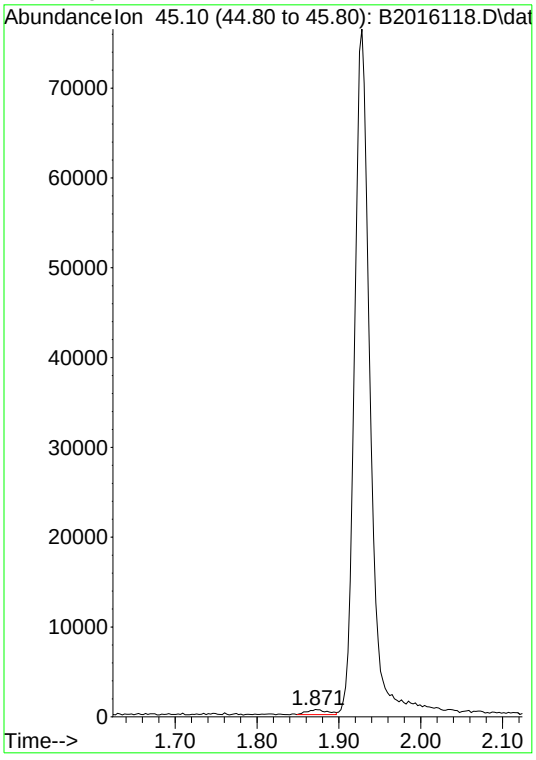
Tue Jun 09 19:34:34 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 64568
Amount: 74.7596

Manual Integration
BROMOMETHANE



Original Integration
ETHANOL



Original Int. Results

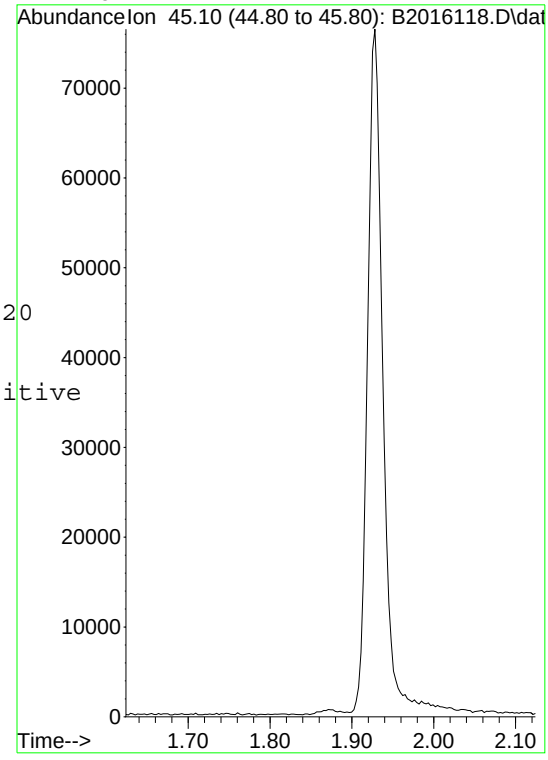
RT : 1.87
Area : 976
Amount: 74.3818

Manual Int. Results

Tue Jun 09 18:00:11 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

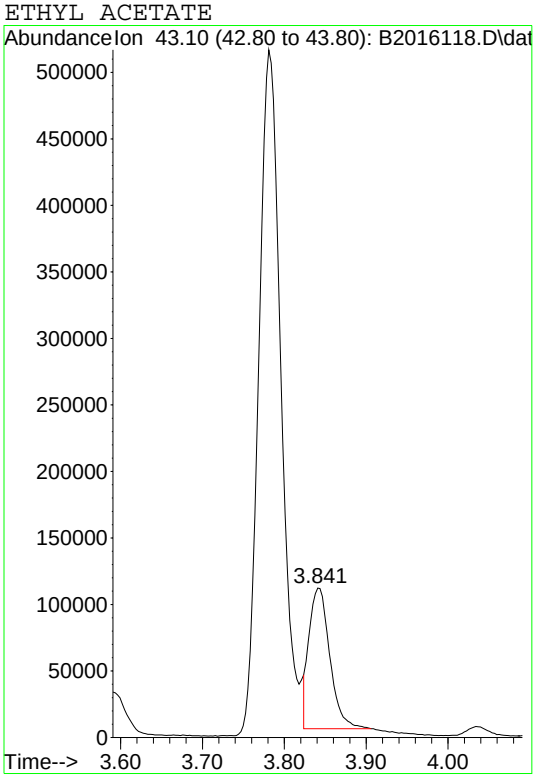
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:31:26 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL ACETATE



Original Int. Results

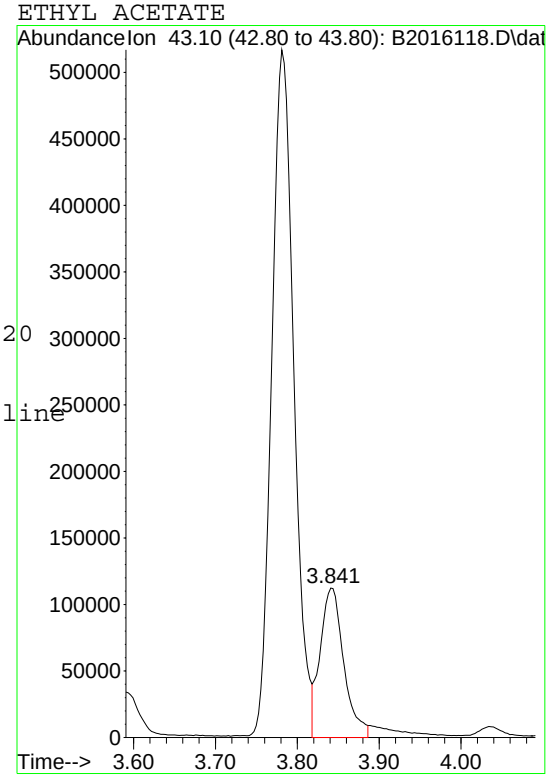
RT : 3.84
Area : 185965
Amount: 53.7758

Manual Int. Results

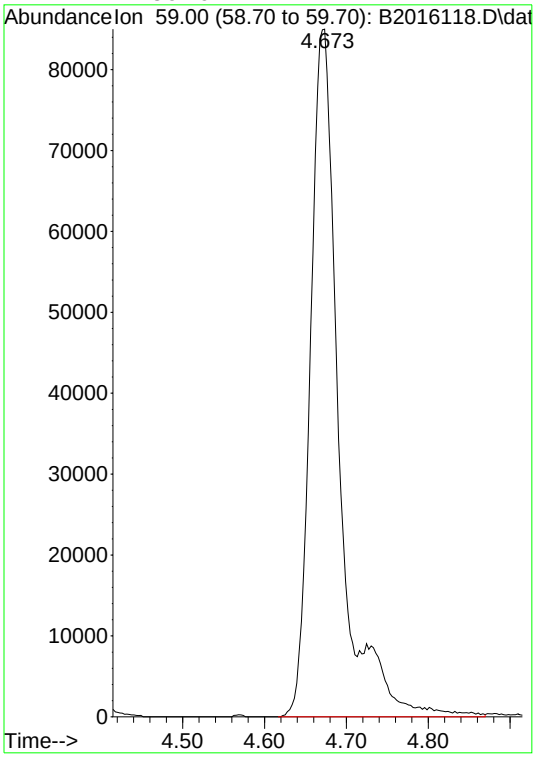
Tue Jun 09 18:00:30 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 224678
Amount: 64.9705

Manual Integration
ETHYL ACETATE



Original Integration
T-AMYL ALCOHOL



Original Int. Results

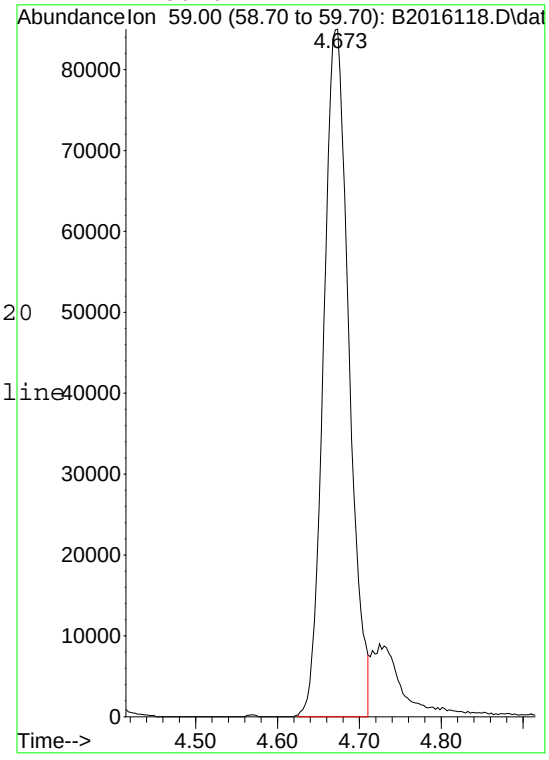
RT : 4.67
Area : 207218
Amount: 855.564

Manual Int. Results

Tue Jun 09 18:00:46 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.67
Area : 182623
Amount: 754.016

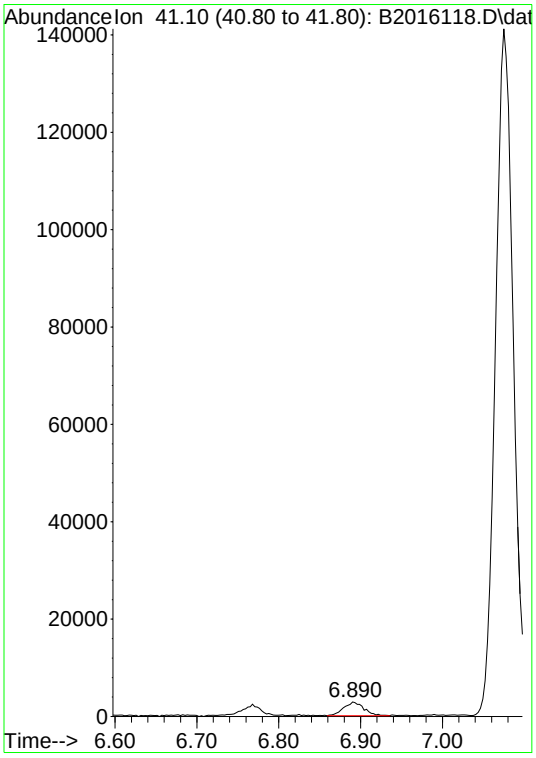
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:31:26 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL METHACRYLATE



Original Int. Results

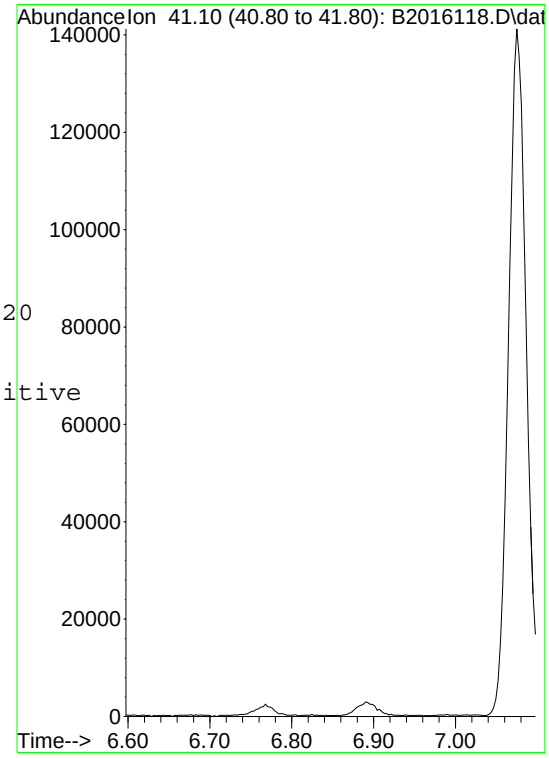
RT : 6.89
Area : 4791
Amount: 0

Manual Int. Results

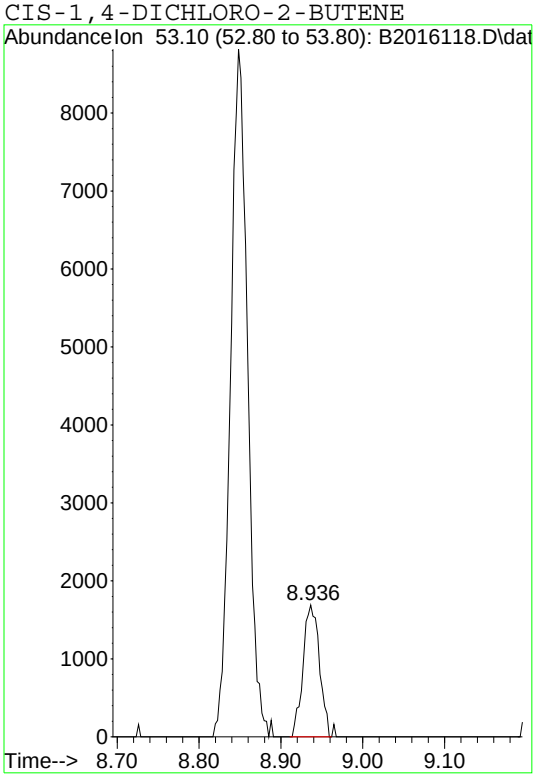
Tue Jun 09 18:00:59 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

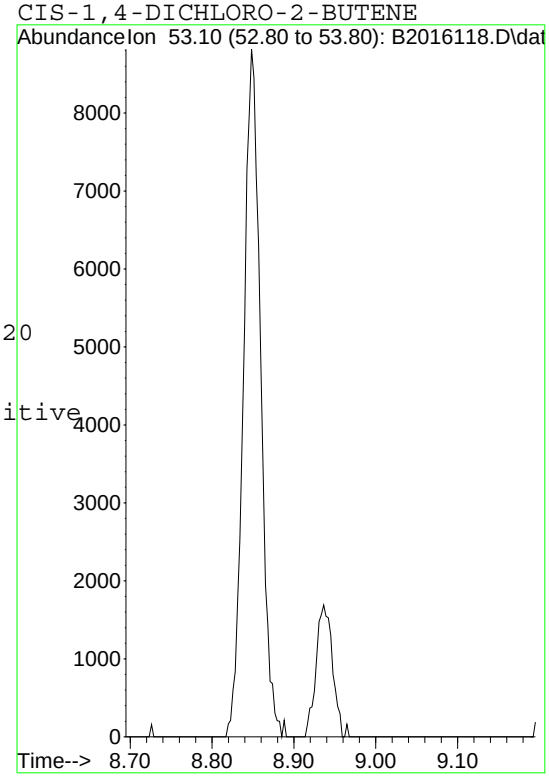
RT : 8.94
Area : 2343
Amount: 0

Manual Int. Results

Tue Jun 09 18:01:10 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 06:17:34 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	96627	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	155390	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	86242	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.139	152	92022	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59991	25.35	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.40%				
45) TOLUENE-D8 SS	6.441	98	163747	26.07	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.28%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	68592	25.67	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.68%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	162760	73.56	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	222428	54.40	UG/L	#	87
5) CHLOROMETHANE	1.240	50	334268	56.10	UG/L		100
6) VINYL CHLORIDE	1.309	62	199288	70.20	UG/L		93
7) BROMOMETHANE	1.499	94	72391	83.82	UG/L		93
8) CHLOROETHANE	1.564	64	102414	79.35	UG/L		97
9) FLUORODICHLOROMETHANE	1.695	67	290531	103.67	UG/L		96
10) TRICHLOROFLUOROMETHANE	1.729	101	250239	94.85	UG/L		100
11) ETHANOL	1.871	45	976	74.38	UG/L	#	88
12) DI ETHYL ETHER	1.928	59	127004	71.84	UG/L	#	75
13) ACROLEIN	2.033	56	361103	594.71	UG/L	#	94
14) ACETONE	2.153	43	618721	662.14	UG/L		100
15) 1,1-DICHLOROETHENE	2.090	61	247826	83.04	UG/L	#	89
16) 1,1,2-TRICL-1,2,2-TRIF...	2.084	101	124295	102.19	UG/L		95
17) IODOMETHANE	2.215	142	1457869	723.46	UG/L		93
18) METHYL ACETATE	2.403	43	207291	65.34	UG/L	#	83
19) T-BUTYL ALCOHOL	2.607	59	242247	738.33	UG/L		97
20) ACRYLONITRILE	2.727	53	78253	62.83	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	261163	63.19	UG/L	#	74
22) CARBON DISULFIDE	2.266	76	3603314	897.72	UG/L		97
23) METHYL TERT-BUTYL ETHE...	2.724	73	392588	97.08	UG/L	#	81
24) TRANS 1,2-DICHLOROETHENE	2.721	61	240798	81.57	UG/L	#	84
25) 1,1-DICHLOROETHANE	3.150	63	294992	84.45	UG/L		96
26) VINYL ACETATE	3.215	43	4055061	570.54	UG/L	#	90
27) DI ISOPROPYL ETHER	3.218	45	616610	61.62	UG/L	#	81
28) 2-BUTANONE	3.781	43	966555	628.36	UG/L	#	86
29) T-BUTYL ETHYL ETHER	3.591	59	544798	71.70	UG/L	#	92
30) CIS-1,2-DICHLOROETHENE	3.744	61	285436	81.76	UG/L	#	85
31) 2,2-DICHLOROPROPANE	3.733	77	223641	103.27	UG/L		98
32) ETHYL ACETATE	3.841	43	185965	53.78	UG/L	#	90
33) BROMOCHLOROMETHANE	3.989	128	54882	82.90	UG/L	#	57
34) TETRAHYDROFURAN	4.034	42	62986	56.03	UG/L	#	85
35) T-BUTYL FORMATE	4.128	59	168244	76.08	UG/L	#	91
36) CHLOROFORM	4.074	83	266674	104.04	UG/L		99
37) 1,1,1-TRICHLOROETHANE	4.239	97	248425	105.03	UG/L		96
38) CYCLOHEXANE	4.276	56	341832	62.02	UG/L	#	78
39) CARBON TETRACHLORIDE	4.395	117	224655	103.50	UG/L		100
40) 1,1-DICHLOROPROPENE	4.403	75	210724	105.86	UG/L		99
41) BENZENE	4.611	78	549657	99.46	UG/L		98
42) T-AMYL ALCOHOL	4.673	59	207218	1000.44	UG/L		92
43) T-AMYLMETHYL ETHER	4.730	73	409121	100.53	UG/L	#	85
46) 1,2-DICHLOROETHANE	4.645	62	252953	78.56	UG/L	#	91
47) TRICHLOROETHENE	5.247	95	157861	101.64	UG/L		98

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1

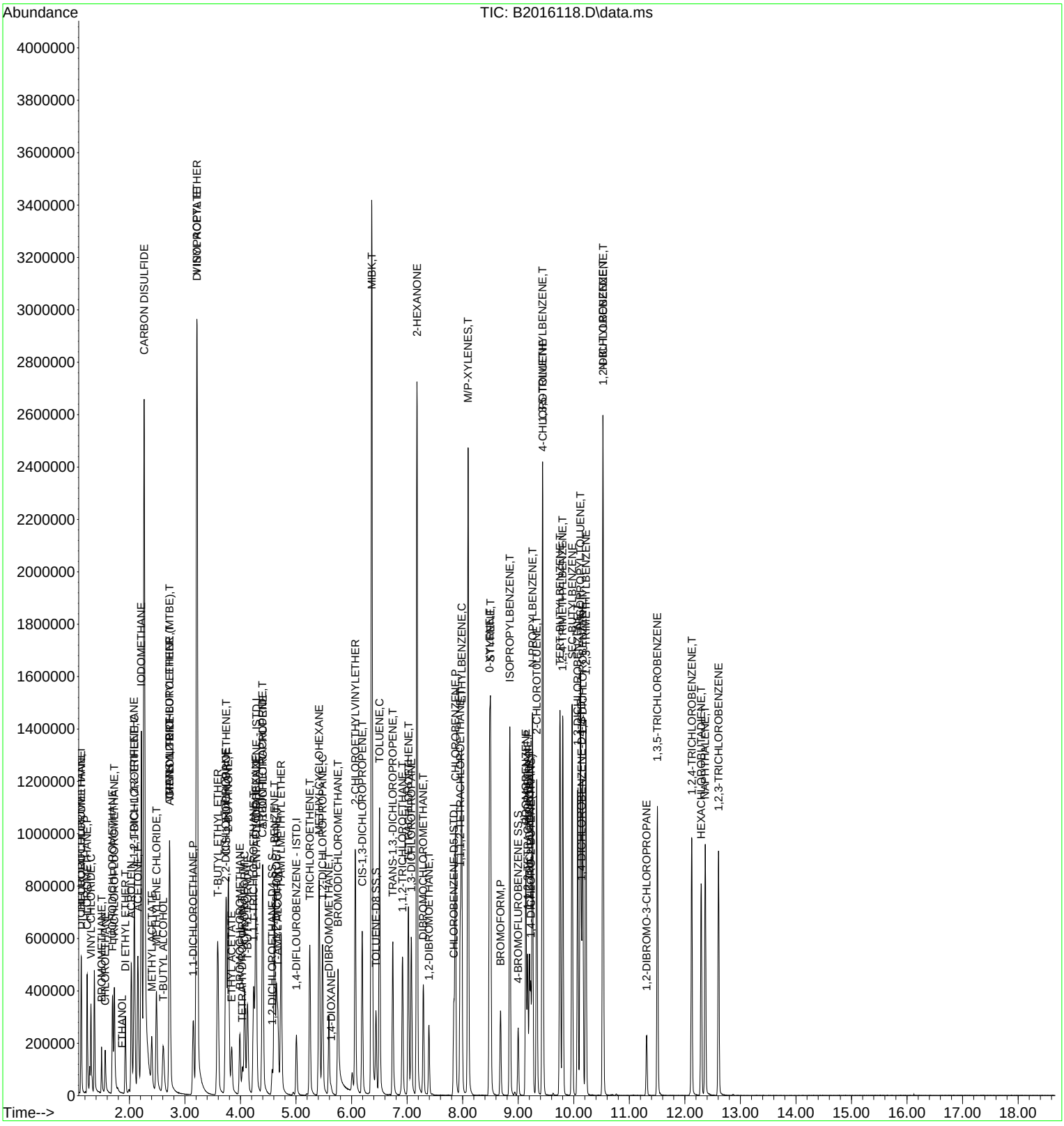
Quant Time: Jun 10 06:17:34 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	269372	96.65 UG/L #	71
49) 1,2-DICHLOROPROPANE	5.478	63	171523	78.98 UG/L	98
50) DIBROMOMETHANE	5.591	93	99054	97.34 UG/L	93
51) 1,4-DIOXANE	5.634	88	20819	865.89 UG/L #	75
52) BROMODICHLOROMETHANE	5.753	83	208166	93.68 UG/L	99
53) 2-CHLOROETHYLVINYLETHER	6.066	63	329767	187.47 UG/L	84
54) MIBK	6.362	43	2103692	593.79 UG/L #	93
55) CIS-1,3-DICHLOROPROPENE	6.191	75	255346	96.61 UG/L	88
56) TOLUENE	6.504	91	636371	90.34 UG/L	97
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	229759	98.93 UG/L	90
59) 1,1,2-TRICHLOROETHANE	6.916	97	132697	92.79 UG/L	96
60) 2-HEXANONE	7.177	43	1603143	614.66 UG/L #	95
61) TETRACHLOROETHENE	7.024	164	140723	96.06 UG/L	96
62) 1,3-DICHLOROPROPANE	7.075	76	237352	94.81 UG/L #	76
63) DIBROMOCHLOROMETHANE	7.291	129	175792	96.62 UG/L	99
64) 1,2-DIBROMOETHANE	7.393	107	147418	90.98 UG/L #	97
67) CHLOROBENZENE	7.868	112	441651	98.53 UG/L	98
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	161881	97.06 UG/L	97
69) ETHYLBENZENE	7.981	91	752776	95.56 UG/L	98
70) M/P-XYLENES	8.098	91	1170823	188.52 UG/L	97
71) 0-XYLENE	8.485	91	618874	94.71 UG/L	98
72) STYRENE	8.502	104	489135	96.95 UG/L #	86
73) BROMOFORM	8.681	173	126634	96.77 UG/L	97
74) ISOPROPYLBENZENE	8.848	105	784802	98.00 UG/L	98
76) 1,1,2,2-TETRACHLOROETHANE	9.169	83	210673	101.01 UG/L	99
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	84497	64.33 UG/L #	79
78) BROMOBENZENE	9.138	77	283933	98.78 UG/L	95
79) 1,2,3-TRICHLOROPROPANE	9.204	110	62748	92.78 UG/L	95
80) N-PROPYLBENZENE	9.258	91	960388	97.25 UG/L	98
81) 2-CHLOROT0LUENE	9.334	91	545292	95.58 UG/L	97
82) 1,3,5-TRIMETHYLBENZENE	9.437	105	674751	96.59 UG/L	97
83) 4-CHLOROTOLUENE	9.442	91	652387	96.75 UG/L	98
85) TERT-BUTYLBENZENE	9.752	119	592385	105.05 UG/L	99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	679477	102.54 UG/L	95
87) SEC-BUTYLBENZENE	9.971	105	876571	105.84 UG/L	98
88) 1,3-DICHLOROBENZENE	10.070	146	393594	104.95 UG/L	99
89) P-ISOPROPYLTOLUENE	10.119	119	736735	103.65 UG/L	98
90) 1,4-DICHLOROBENZENE	10.161	146	398518	104.16 UG/L	98
91) 1,2,3-TRIMETHYLBENZENE	10.218	105	684279	105.80 UG/L #	100
92) N-BUTYLBENZENE	10.525	91	712271	105.86 UG/L	100
93) 1,2-DICHLOROBENZENE	10.528	146	370622	104.12 UG/L	98
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	44254	106.13 UG/L	95
95) 1,3,5-TRICHLOROBENZENE	11.506	180	293597	97.08 UG/L	93
96) 1,2,4-TRICHLOROBENZENE	12.125	180	261058	98.50 UG/L	93
97) HEXACHLOROBUTADIENE	12.293	225	137949	83.77 UG/L	98
98) NAPHTHALENE	12.367	128	641036	101.70 UG/L	99
99) 1,2,3-TRICHLOROBENZENE	12.608	180	245573	99.39 UG/L	95

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016118.D
Acq On : 9 Jun 2020 12:49 pm
Operator :
Sample : 8260 STD 100 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 10 06:17:34 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 09 19:32:21 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	98445	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	156707	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.842	82	89706	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.139	152	94881	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59811	24.81	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.24%				
45) TOLUENE-D8 SS	6.441	98	165515	26.13	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.52%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	71017	25.55	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.127	85	271968	120.64	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	383141	91.97	UG/L	#	86
5) CHLOROMETHANE	1.237	50	547816	90.25	UG/L		99
6) VINYL CHLORIDE	1.309	62	350429	121.17	UG/L		92
7) BROMOMETHANE	1.496	94	131535m	149.48	UG/L		
8) CHLOROETHANE	1.556	64	170302	129.51	UG/L		96
9) FLUORODICHLOROMETHANE	1.692	67	523558	183.37	UG/L		96
10) TRICHLOROFLUOROMETHANE	1.726	101	433502	161.27	UG/L		99
12) DI ETHYL ETHER	1.928	59	239528	132.99	UG/L	#	74
13) ACROLEIN	2.033	56	703871	1137.82	UG/L	#	97
14) ACETONE	2.155	43	1168981	1227.91	UG/L		98
15) 1,1-DICHLOROETHENE	2.090	61	436101	143.42	UG/L	#	89
16) 1,1,2-TRICL-1,2,2-TRIF...	2.079	101	208391	168.16	UG/L		95
17) IODOMETHANE	2.212	142	2819945	1373.54	UG/L		91
18) METHYL ACETATE	2.403	43	384031	118.81	UG/L	#	83
19) T-BUTYL ALCOHOL	2.627	59	491343	1469.89	UG/L		96
20) ACRYLONITRILE	2.727	53	151944	119.74	UG/L		97
21) METHYLENE CHLORIDE	2.485	49	488281	115.96	UG/L	#	73
22) CARBON DISULFIDE	2.261	76	6061188	1482.18	UG/L		95
23) METHYL TERT-BUTYL ETHE...	2.727	73	754739	183.19	UG/L	#	78
24) TRANS 1,2-DICHLOROETHENE	2.721	61	443285	147.39	UG/L	#	84
25) 1,1-DICHLOROETHANE	3.150	63	549763	154.48	UG/L		96
26) VINYL ACETATE	3.218	43	7220024	997.09	UG/L	#	87
27) DI ISOPROPYL ETHER	3.221	45	1134818	111.31	UG/L	#	78
28) 2-BUTANONE	3.784	43	1848460	1179.49	UG/L	#	85
29) T-BUTYL ETHYL ETHER	3.591	59	1031734	133.27	UG/L	#	91
30) CIS-1,2-DICHLOROETHENE	3.744	61	529239	148.79	UG/L	#	84
31) 2,2-DICHLOROPROPANE	3.733	77	407992	184.92	UG/L		98
32) ETHYL ACETATE	3.844	43	426982m	121.19	UG/L		
33) BROMOCHLOROMETHANE	3.989	128	99595	147.66	UG/L	#	55
34) TETRAHYDROFURAN	4.040	42	120098	104.86	UG/L	#	83
35) T-BUTYL FORMATE	4.128	59	349702	146.56	UG/L	#	91
36) CHLOROFORM	4.074	83	502679	192.48	UG/L		99
37) 1,1,1-TRICHLOROETHANE	4.236	97	458716	190.35	UG/L		95
38) CYCLOHEXANE	4.276	56	587398	104.60	UG/L	#	79
39) CARBON TETRACHLORIDE	4.395	117	399410	180.61	UG/L		100
40) 1,1-DICHLOROPROPENE	4.403	75	379599	187.18	UG/L		99
41) BENZENE	4.611	78	1014771	180.23	UG/L		97
42) T-AMYL ALCOHOL	4.685	59	416363	1687.34	UG/L		91
43) T-AMYLMETHYL ETHER	4.733	73	774894	186.89	UG/L	#	54
46) 1,2-DICHLOROETHANE	4.645	62	481958	148.43	UG/L	#	91
47) TRICHLOROETHENE	5.247	95	287618	183.64	UG/L		98
48) METHYLCYCLOHEXANE	5.415	83	459729	163.56	UG/L	#	70

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

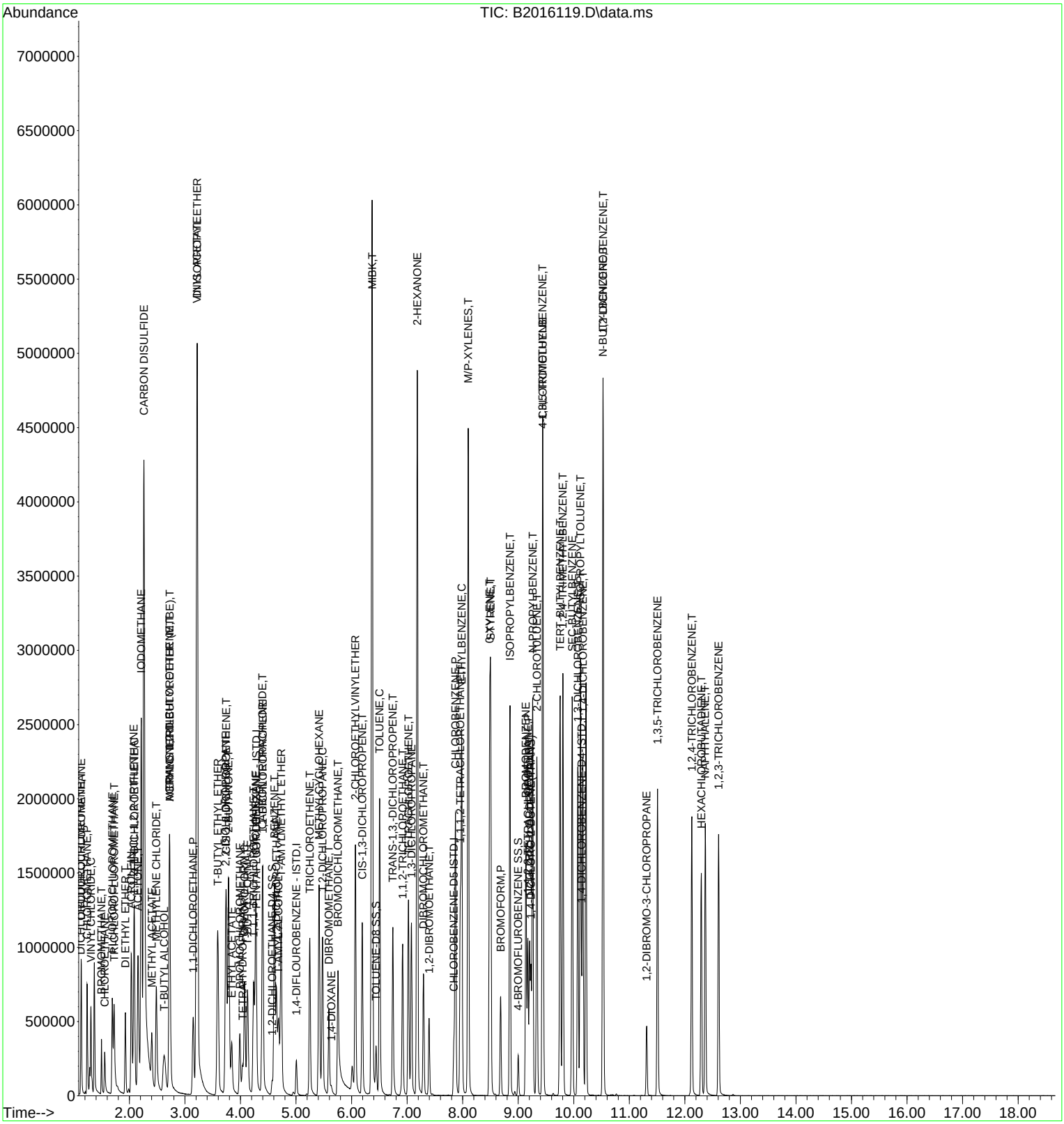
Quant Time: Jun 09 19:32:21 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.478	63	320730	146.45 UG/L		98
50) DIBROMOMETHANE	5.591	93	189055	184.21 UG/L		94
51) 1,4-DIOXANE	5.637	88	42835m	1750.66 UG/L		
52) BROMODICHLOROMETHANE	5.753	83	401154	179.02 UG/L		99
53) 2-CHLOROETHYLVINYLETHER	6.069	63	581904	328.03 UG/L		84
54) MIBK	6.370	43	3735166	1045.43 UG/L	#	89
55) CIS-1,3-DICHLOROPROPENE	6.194	75	482929	181.18 UG/L		87
56) TOLUENE	6.504	91	1163411	163.78 UG/L		96
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	440480	188.08 UG/L		90
59) 1,1,2-TRICHLOROETHANE	6.919	97	255765	177.35 UG/L		96
60) 2-HEXANONE	7.183	43	2895389	1100.79 UG/L	#	92
61) TETRACHLOROETHENE	7.024	164	258616	175.05 UG/L		96
62) 1,3-DICHLOROPROPANE	7.078	76	452051	179.06 UG/L	#	76
63) DIBROMOCHLOROMETHANE	7.294	129	344972	188.01 UG/L		98
64) 1,2-DIBROMOETHANE	7.396	107	286958	175.61 UG/L	#	98
67) CHLOROBENZENE	7.871	112	832037	178.46 UG/L		98
68) 1,1,1,2-TETRACHLOROETHANE	7.959	131	316336	182.35 UG/L		96
69) ETHYLBENZENE	7.981	91	1387390	169.33 UG/L		97
70) M/P-XYLENES	8.101	91	2130288	329.76 UG/L		95
71) 0-XYLENE	8.487	91	1161408	170.88 UG/L		97
72) STYRENE	8.504	104	932595	177.70 UG/L	#	85
73) BROMOFORM	8.683	173	257687	189.31 UG/L		98
74) ISOPROPYLBENZENE	8.851	105	1434172	172.17 UG/L		96
76) 1,1,2,2-TETRACHLOROETHANE	9.172	83	414703	191.15 UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.229	53	171703	125.68 UG/L	#	78
78) BROMOBENZENE	9.138	77	543396	181.75 UG/L		96
79) 1,2,3-TRICHLOROPROPANE	9.204	110	121629	172.89 UG/L		91
80) N-PROPYLBENZENE	9.260	91	1740923	169.48 UG/L		96
81) 2-CHLOROT0LUENE	9.337	91	1022359	172.28 UG/L		96
82) 1,3,5-TRIMETHYLBENZENE	9.437	105	1247164	171.63 UG/L		95
83) 4-CHLOROTOLUENE	9.445	91	1220964	174.08 UG/L		96
85) TERT-BUTYLBENZENE	9.755	119	1087044	186.96 UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.803	105	1267911	185.57 UG/L		94
87) SEC-BUTYLBENZENE	9.971	105	1570187	183.88 UG/L		96
88) 1,3-DICHLOROBENZENE	10.073	146	745239	192.72 UG/L		98
89) P-ISOPROPYLTOLUENE	10.121	119	1339708	182.80 UG/L		96
90) 1,4-DICHLOROBENZENE	10.164	146	759431	192.50 UG/L		98
91) N-BUTYLBENZENE	10.525	91	1282426	184.86 UG/L		98
92) 1,2-DICHLOROBENZENE	10.528	146	712459	194.11 UG/L		98
93) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	88478	205.80 UG/L		95
94) 1,3,5-TRICHLOROBENZENE	11.508	180	556870	178.59 UG/L		94
95) 1,2,4-TRICHLOROBENZENE	12.125	180	500149	183.03 UG/L		94
96) HEXACHLOROBUTADIENE	12.296	225	252467	148.69 UG/L		97
97) NAPHTHALENE	12.367	128	1222230	188.06 UG/L		98
98) 1,2,3-TRICHLOROBENZENE	12.608	180	468710	183.99 UG/L		94

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

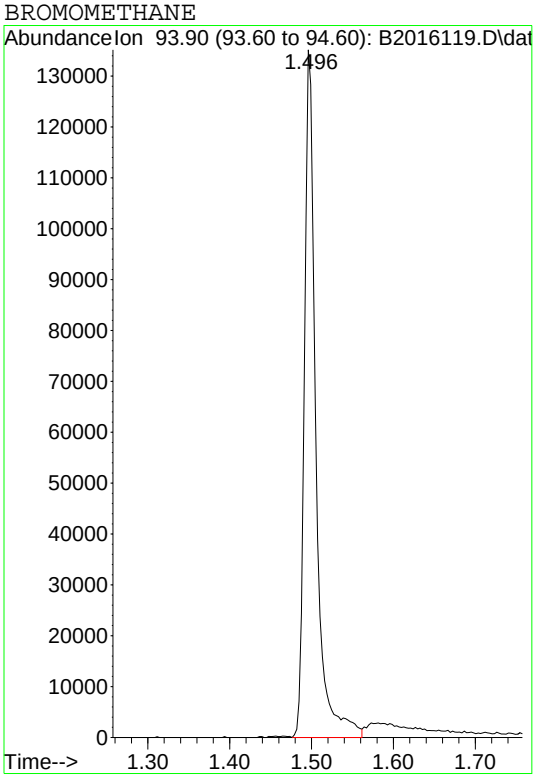
Quant Time: Jun 09 19:32:21 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:32:21 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
BROMOMETHANE



Original Int. Results

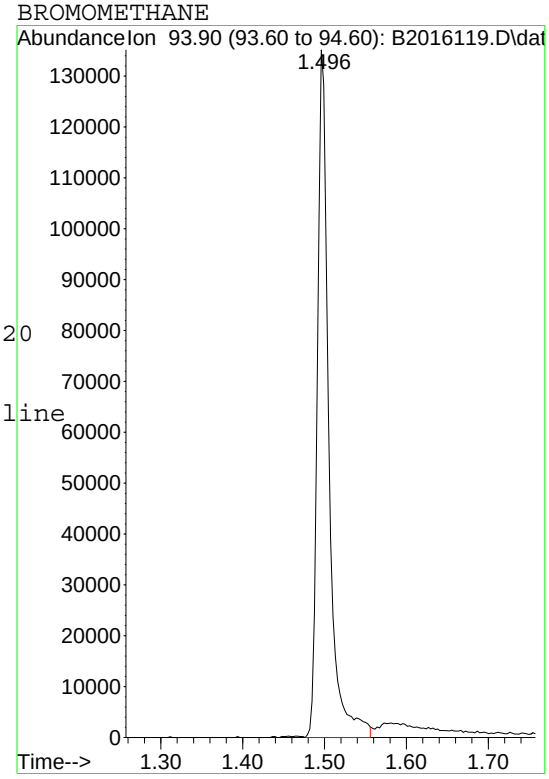
RT : 1.50
Area : 132128
Amount: 150.158

Manual Int. Results

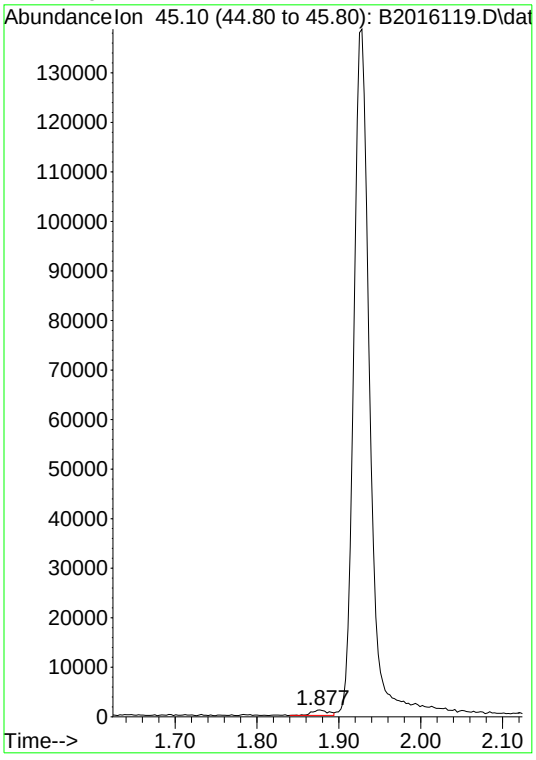
Tue Jun 09 19:32:19 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 131535
Amount: 149.484

Manual Integration
BROMOMETHANE



Original Integration
ETHANOL



Original Int. Results

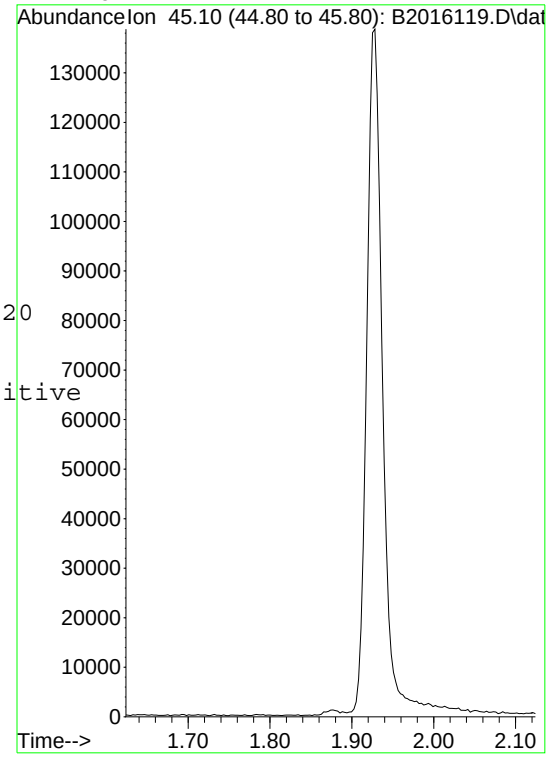
RT : 1.88
Area : 1572
Amount: 84.5757

Manual Int. Results

Tue Jun 09 18:05:30 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

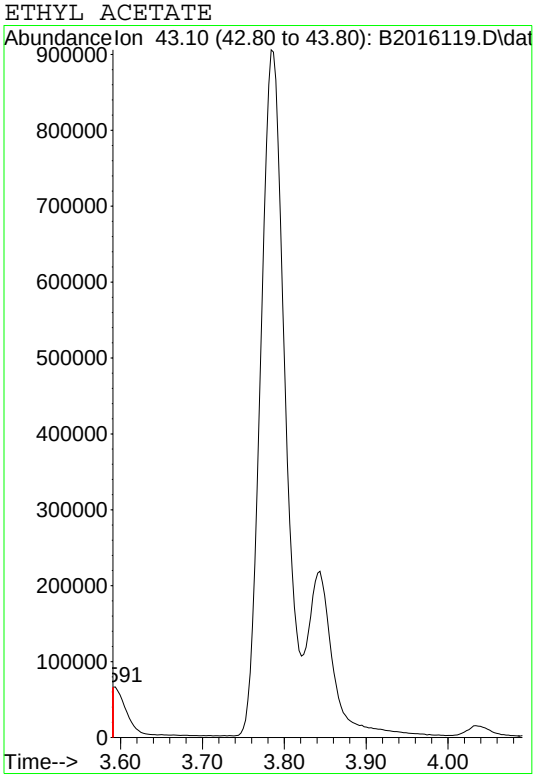
Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:32:21 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL ACETATE



Original Int. Results

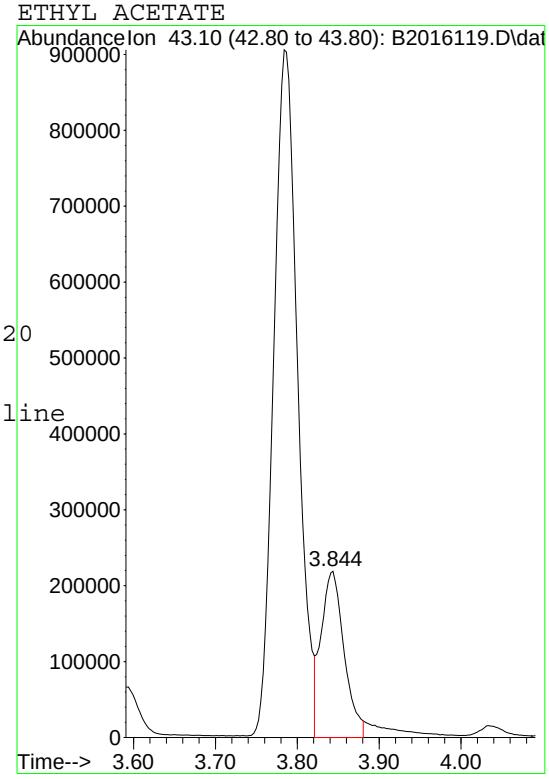
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

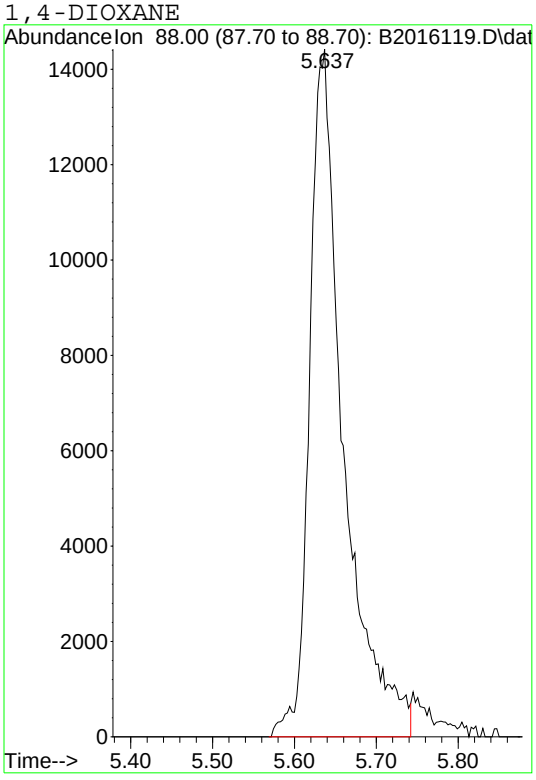
Tue Jun 09 18:06:07 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 426982
Amount: 121.191

Manual Integration
ETHYL ACETATE



Original Integration
1,4-DIOXANE



Original Int. Results

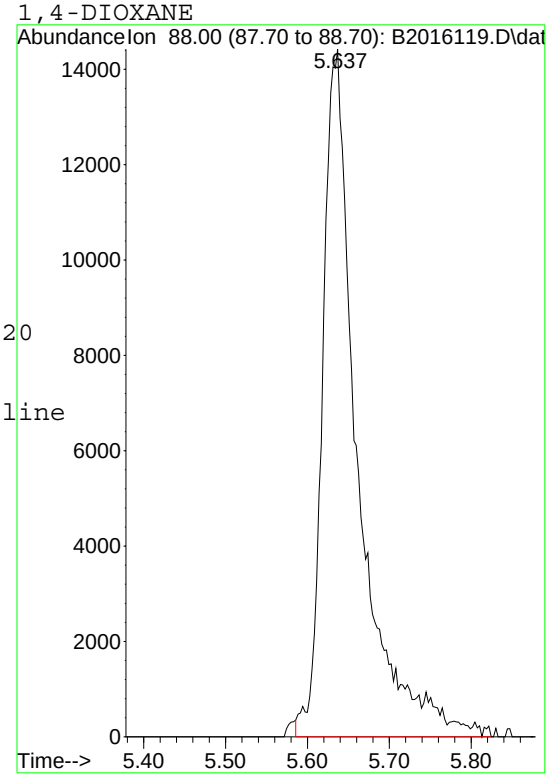
RT : 5.64
Area : 41321
Amount: 1689.33

Manual Int. Results

Tue Jun 09 18:06:50 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.64
Area : 42835
Amount: 1750.66

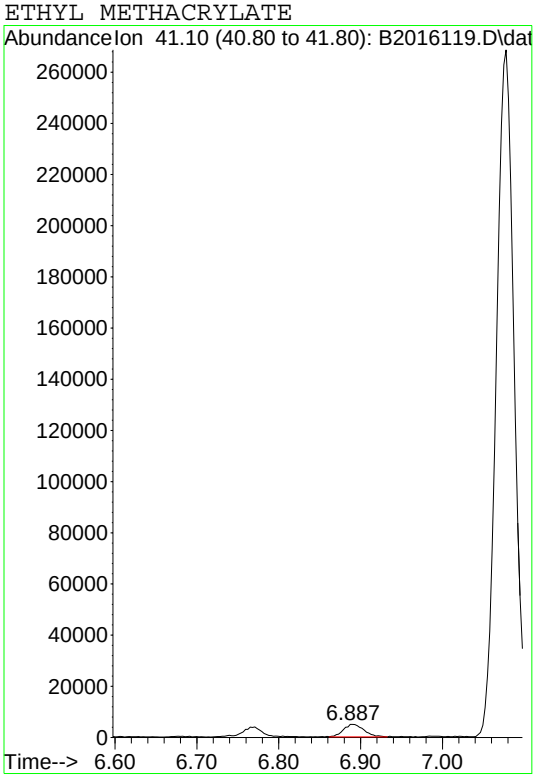
Manual Integration
1,4-DIOXANE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068
Misc :

Quant Time : Tue Jun 09 19:32:21 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHYL METHACRYLATE



Original Int. Results

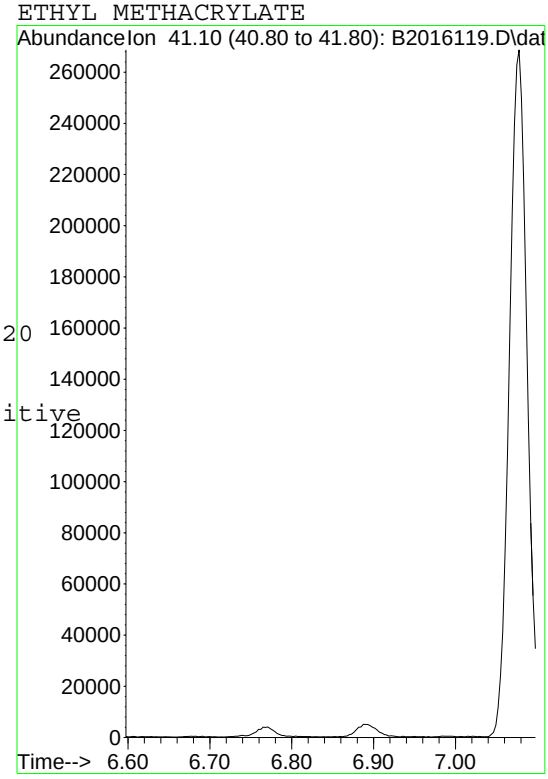
RT : 6.89
Area : 8394
Amount: 0

Manual Int. Results

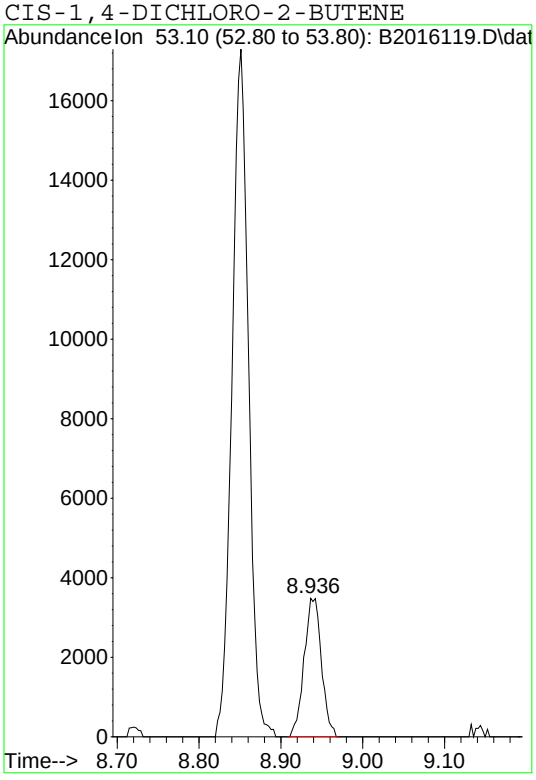
Tue Jun 09 18:07:02 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

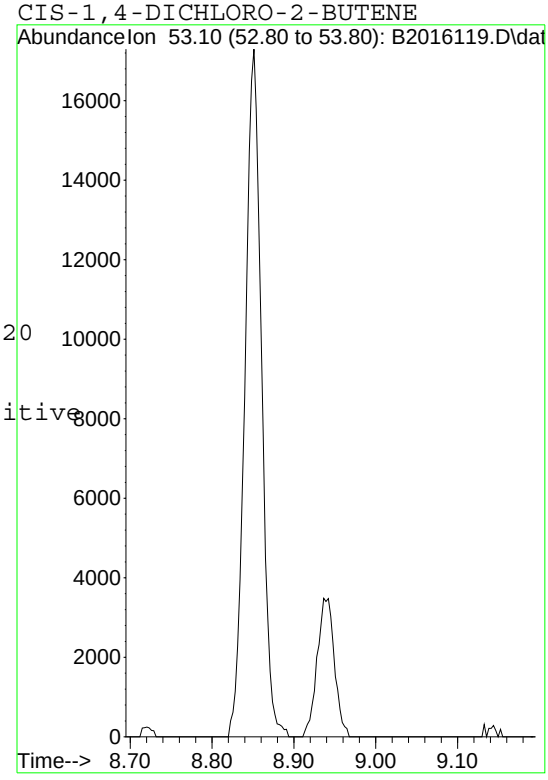
RT : 8.94
Area : 5123
Amount: 0

Manual Int. Results

Tue Jun 09 18:07:22 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 10 06:17:37 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	98445	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	156707	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.842	82	89706	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.139	152	94881	30.00	UG/L	#	0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	59811	24.81	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.24%				
45) TOLUENE-D8 SS	6.441	98	165515	26.13	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.52%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	71017	25.55	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.127	85	271968	120.64	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	383141	91.97	UG/L	#	86
5) CHLOROMETHANE	1.237	50	547816	90.25	UG/L		99
6) VINYL CHLORIDE	1.309	62	350429	121.17	UG/L		92
7) BROMOMETHANE	1.496	94	132128	150.16	UG/L		95
8) CHLOROETHANE	1.556	64	170302	129.51	UG/L		96
9) FLUORODICHLOROMETHANE	1.692	67	523558	183.37	UG/L		96
10) TRICHLOROFLUOROMETHANE	1.726	101	433502	161.27	UG/L		99
11) ETHANOL	1.877	45	1572	84.58	UG/L	#	83
12) DI ETHYL ETHER	1.928	59	239528	132.99	UG/L	#	74
13) ACROLEIN	2.033	56	703871	1137.82	UG/L	#	97
14) ACETONE	2.155	43	1168981	1227.91	UG/L		98
15) 1,1-DICHLOROETHENE	2.090	61	436101	143.42	UG/L	#	89
16) 1,1,2-TRICL-1,2,2-TRIF...	2.079	101	208391	168.16	UG/L		95
17) IODOMETHANE	2.212	142	2819945	1373.54	UG/L		91
18) METHYL ACETATE	2.403	43	384031	118.81	UG/L	#	83
19) T-BUTYL ALCOHOL	2.627	59	491343	1469.89	UG/L		96
20) ACRYLONITRILE	2.727	53	151944	119.74	UG/L		97
21) METHYLENE CHLORIDE	2.485	49	488281	115.96	UG/L	#	73
22) CARBON DISULFIDE	2.261	76	6061188	1482.18	UG/L		95
23) METHYL TERT-BUTYL ETHE...	2.727	73	754739	183.19	UG/L	#	78
24) TRANS 1,2-DICHLOROETHENE	2.721	61	443285	147.39	UG/L	#	84
25) 1,1-DICHLOROETHANE	3.150	63	549763	154.48	UG/L		96
26) VINYL ACETATE	3.218	43	7220024	997.09	UG/L	#	87
27) DI ISOPROPYL ETHER	3.221	45	1134818	111.31	UG/L	#	78
28) 2-BUTANONE	3.784	43	1848460	1179.49	UG/L	#	85
29) T-BUTYL ETHYL ETHER	3.591	59	1031734	133.27	UG/L	#	91
30) CIS-1,2-DICHLOROETHENE	3.744	61	529239	148.79	UG/L	#	84
31) 2,2-DICHLOROPROPANE	3.733	77	407992	184.92	UG/L		98
33) BROMOCHLOROMETHANE	3.989	128	99595	147.66	UG/L	#	55
34) TETRAHYDROFURAN	4.040	42	120098	104.86	UG/L	#	83
35) T-BUTYL FORMATE	4.128	59	349702	155.21	UG/L	#	91
36) CHLOROFORM	4.074	83	502679	192.48	UG/L		99
37) 1,1,1-TRICHLOROETHANE	4.236	97	458716	190.35	UG/L		95
38) CYCLOHEXANE	4.276	56	587398	104.60	UG/L	#	79
39) CARBON TETRACHLORIDE	4.395	117	399410	180.61	UG/L		100
40) 1,1-DICHLOROPROPENE	4.403	75	379599	187.18	UG/L		99
41) BENZENE	4.611	78	1014771	180.23	UG/L		97
42) T-AMYL ALCOHOL	4.685	59	416363	1973.06	UG/L		91
43) T-AMYLMETHYL ETHER	4.733	73	774894	186.89	UG/L	#	54
46) 1,2-DICHLOROETHANE	4.645	62	481958	148.43	UG/L	#	91
47) TRICHLOROETHENE	5.247	95	287618	183.64	UG/L		98
48) METHYLCYCLOHEXANE	5.415	83	459729	163.56	UG/L	#	70

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

450

Quant Time: Jun 10 06:17:37 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration

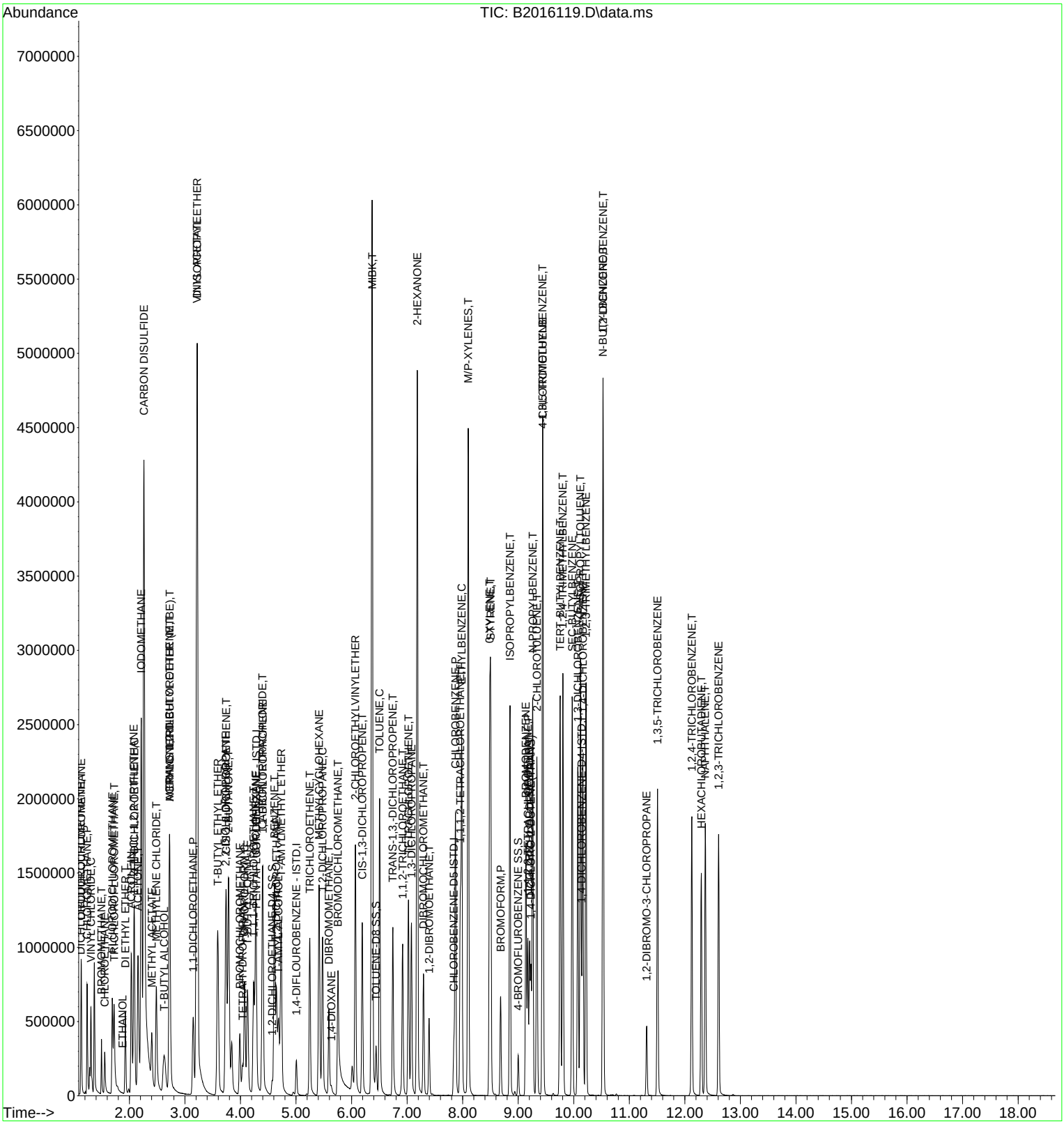
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.478	63	320730	146.45	UG/L		98
50) DIBROMOMETHANE	5.591	93	189055	184.21	UG/L		94
51) 1,4-DIOXANE	5.637	88	41321	1689.33	UG/L	#	78
52) BROMODICHLOROMETHANE	5.753	83	401154	179.02	UG/L		99
53) 2-CHLOROETHYLVINYLETHER	6.069	63	581904	328.03	UG/L		84
54) MIBK	6.370	43	3735166	1045.43	UG/L	#	89
55) CIS-1,3-DICHLOROPROPENE	6.194	75	482929	181.18	UG/L		87
56) TOLUENE	6.504	91	1163411	163.78	UG/L		96
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	440480	188.08	UG/L		90
59) 1,1,2-TRICHLOROETHANE	6.919	97	255765	177.35	UG/L		96
60) 2-HEXANONE	7.183	43	2895389	1100.79	UG/L	#	92
61) TETRACHLOROETHENE	7.024	164	258616	175.05	UG/L		96
62) 1,3-DICHLOROPROPANE	7.078	76	452051	179.06	UG/L	#	76
63) DIBROMOCHLOROMETHANE	7.294	129	344972	188.01	UG/L		98
64) 1,2-DIBROMOETHANE	7.396	107	286958	175.61	UG/L	#	98
67) CHLOROBENZENE	7.871	112	832037	178.46	UG/L		98
68) 1,1,1,2-TETRACHLOROETHANE	7.959	131	316336	182.35	UG/L		96
69) ETHYLBENZENE	7.981	91	1387390	169.33	UG/L		97
70) M/P-XYLENES	8.101	91	2130288	329.76	UG/L		95
71) 0-XYLENE	8.487	91	1161408	170.88	UG/L		97
72) STYRENE	8.504	104	932595	177.70	UG/L	#	85
73) BROMOFORM	8.683	173	257687	189.31	UG/L		98
74) ISOPROPYLBENZENE	8.851	105	1434172	172.17	UG/L		96
76) 1,1,2,2-TETRACHLOROETHANE	9.172	83	414703	191.15	UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.229	53	171703	125.68	UG/L	#	78
78) BROMOBENZENE	9.138	77	543396	181.75	UG/L		96
79) 1,2,3-TRICHLOROPROPANE	9.204	110	121629	172.89	UG/L		91
80) N-PROPYLBENZENE	9.260	91	1740923	169.48	UG/L		96
81) 2-CHLOROT0LUENE	9.337	91	1022359	172.28	UG/L		96
82) 1,3,5-TRIMETHYLBENZENE	9.437	105	1247164	171.63	UG/L		95
83) 4-CHLOROTOLUENE	9.445	91	1220964	174.08	UG/L		96
85) TERT-BUTYLBENZENE	9.755	119	1087044	186.96	UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.803	105	1267911	185.57	UG/L		94
87) SEC-BUTYLBENZENE	9.971	105	1570187	183.88	UG/L		96
88) 1,3-DICHLOROBENZENE	10.073	146	745239	192.72	UG/L		98
89) P-ISOPROPYLTOLUENE	10.121	119	1339708	182.80	UG/L		96
90) 1,4-DICHLOROBENZENE	10.164	146	759431	192.50	UG/L		98
91) 1,2,3-TRIMETHYLBENZENE	10.221	105	1272917	190.88	UG/L	#	100
92) N-BUTYLBENZENE	10.525	91	1282426	184.86	UG/L		98
93) 1,2-DICHLOROBENZENE	10.528	146	712459	194.11	UG/L		98
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	88478	205.80	UG/L		95
95) 1,3,5-TRICHLOROBENZENE	11.508	180	556870	178.59	UG/L		94
96) 1,2,4-TRICHLOROBENZENE	12.125	180	500149	183.03	UG/L		94
97) HEXACHLOROBUTADIENE	12.296	225	252467	148.69	UG/L		97
98) NAPHTHALENE	12.367	128	1222230	188.06	UG/L		98
99) 1,2,3-TRICHLOROBENZENE	12.608	180	468710	183.99	UG/L		94

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016119.D
Acq On : 9 Jun 2020 1:15 pm
Operator :
Sample : 8260 STD 200 PPB 2006068 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 10 06:17:37 2020
Quant Method : Y:\1\METHODS\B050620W-123TMB.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Apr 29 09:56:31 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016120.D
Acq On : 9 Jun 2020 1:41 pm
Operator :
Sample : 8260 ETOH 500 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1

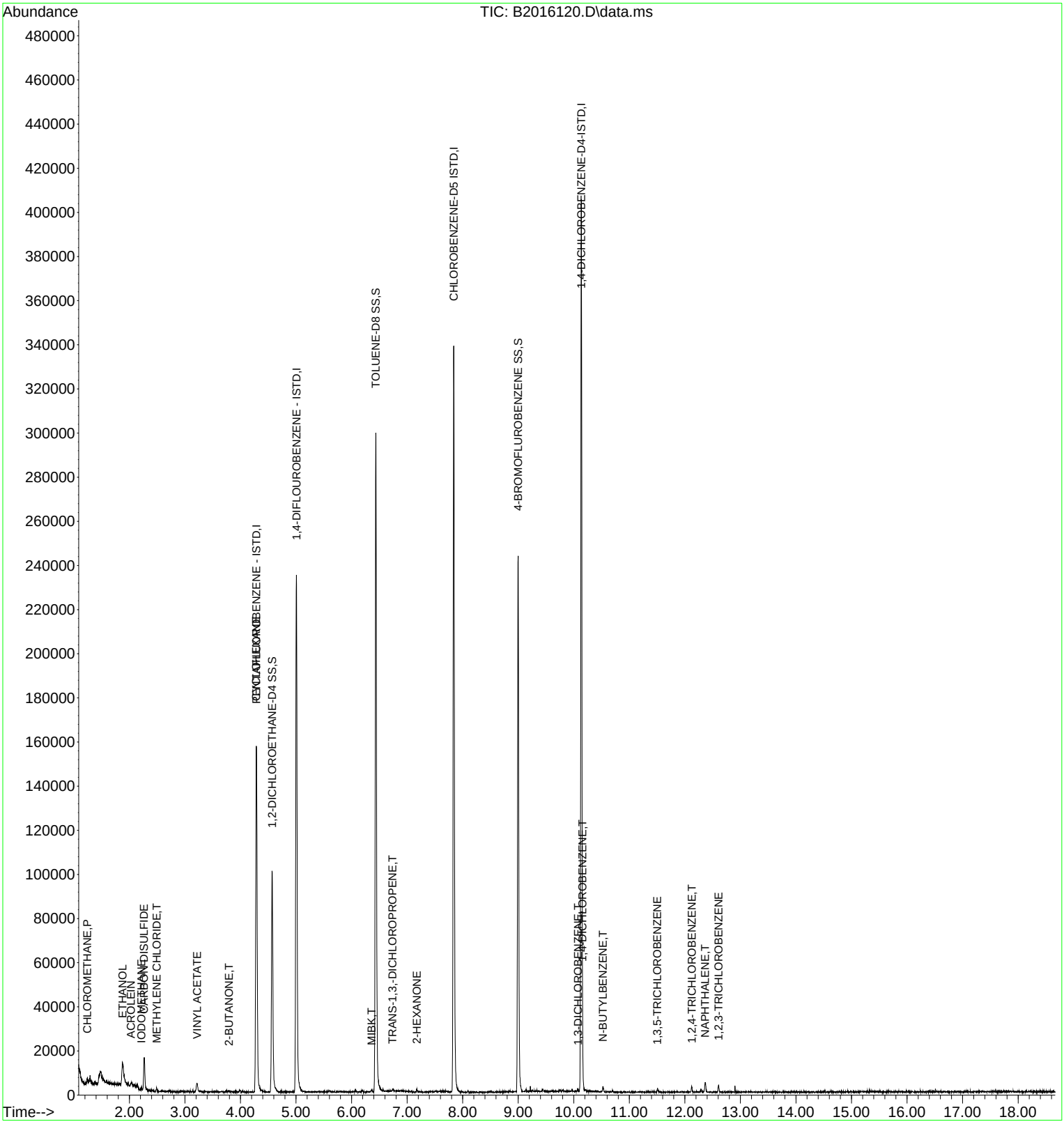
Quant Time: Jun 09 18:15:28 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	98611	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	157692	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	86399	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	87978	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	63359	26.24	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.96%				
45) TOLUENE-D8 SS	6.435	98	163160	25.60	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.40%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	66440	24.82	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.28%				
Target Compounds							Qvalue
5) CHLOROMETHANE	1.243	50	1031	0.17	UG/L	#	42
11) ETHANOL	1.877	45	18740m	386.99	UG/L		
13) ACROLEIN	2.030	56	1152	1.86	UG/L	#	67
17) IODOMETHANE	2.218	142	1827	0.89	UG/L	#	63
21) METHYLENE CHLORIDE	2.491	49	738	0.17	UG/L	#	44
22) CARBON DISULFIDE	2.263	76	16311	3.98	UG/L		99
26) VINYL ACETATE	3.221	43	6706	0.92	UG/L		98
28) 2-BUTANONE	3.792	43	1166	0.74	UG/L	#	72
38) CYCLOHEXANE	4.284	56	2812	0.50	UG/L	#	33
54) MIBK	6.359	43	1152	0.32	UG/L	#	49
57) TRANS-1,3,-DICHLOROPRO...	6.737	75	531	0.23	UG/L	#	67
60) 2-HEXANONE	7.174	43	1362	0.51	UG/L	#	41
88) 1,3-DICHLOROBENZENE	10.076	146	547	0.15	UG/L	#	25
90) 1,4-DICHLOROBENZENE	10.158	146	780	0.21	UG/L	#	26
91) N-BUTYLBENZENE	10.525	91	999	0.16	UG/L	#	32
94) 1,3,5-TRICHLOROBENZENE	11.503	180	757	0.26	UG/L		90
95) 1,2,4-TRICHLOROBENZENE	12.125	180	1056	0.42	UG/L	#	86
97) NAPHTHALENE	12.367	128	3820	0.63	UG/L	#	69
98) 1,2,3-TRICHLOROBENZENE	12.608	180	1213	0.51	UG/L	#	92

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016120.D
Acq On : 9 Jun 2020 1:41 pm
Operator :
Sample : 8260 ETOH 500 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1

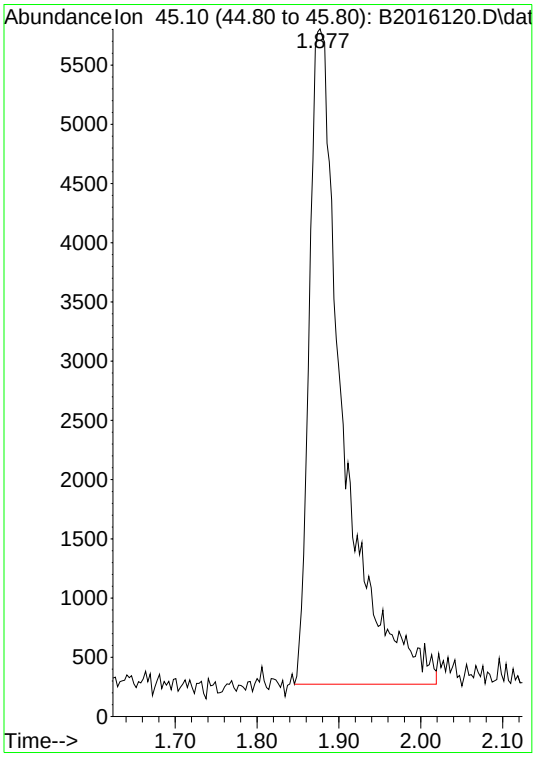
Quant Time: Jun 09 18:15:28 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016120.D
Acq On : 9 Jun 2020 1:41 pm
Operator :
Sample : 8260 ETOH 500 PPB
Misc :

Quant Time : Tue Jun 09 18:15:28 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

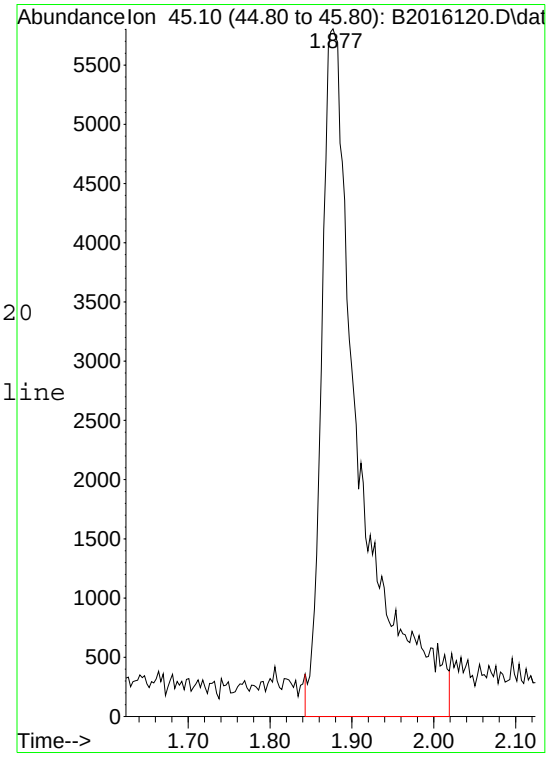
RT : 1.88
Area : 15854
Amount: 336.149

Manual Int. Results

Tue Jun 09 18:16:06 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.88
Area : 18740
Amount: 386.994

Manual Integration
ETHANOL



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016121.D
Acq On : 9 Jun 2020 2:07 pm
Operator :
Sample : 8260 ETOH 1000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 09 18:15:57 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

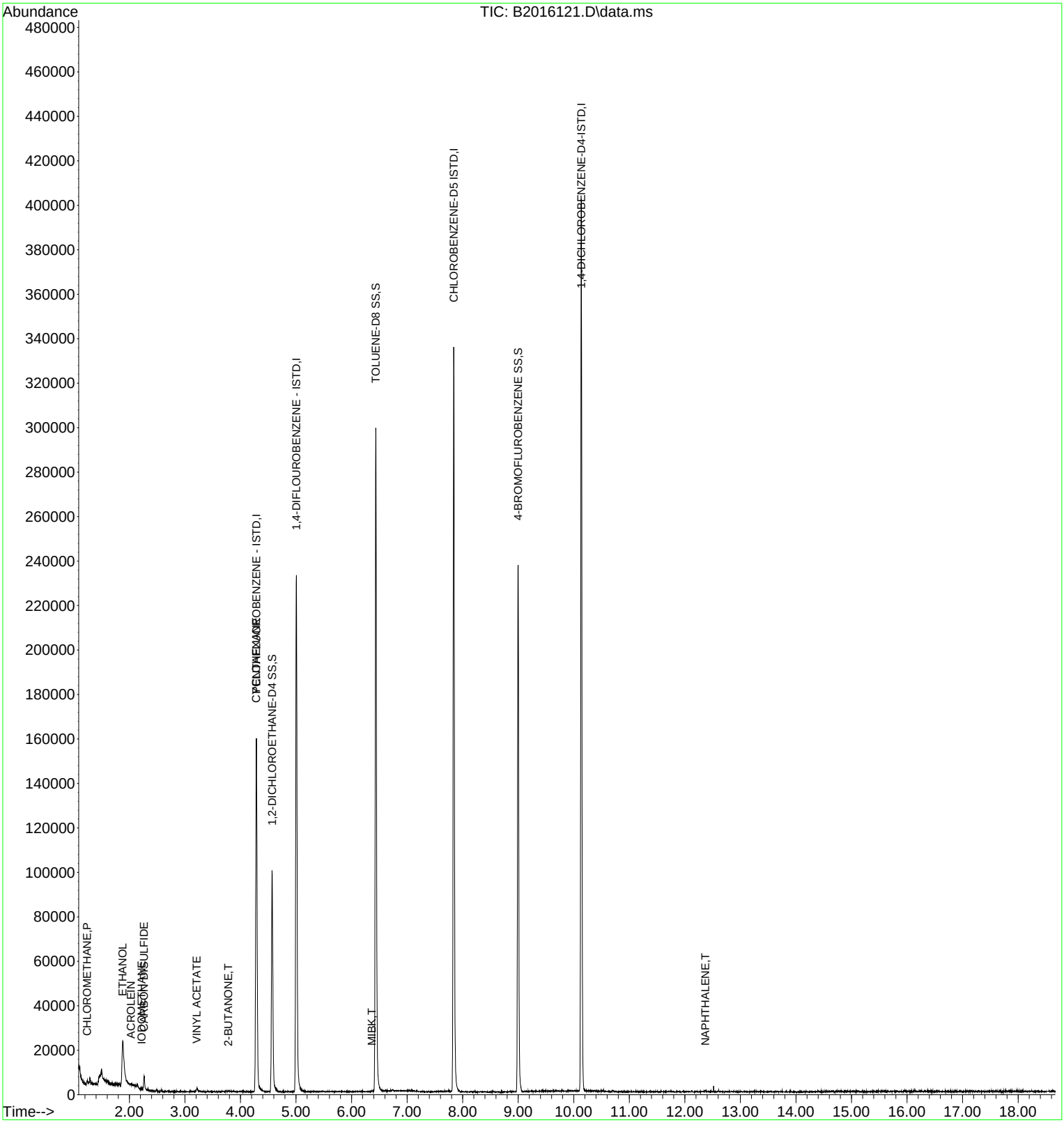
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.287	168	98487	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	154786	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	85073	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	87160	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	62011	25.71	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.84%			
45) TOLUENE-D8 SS	6.435	98	162527	25.98	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.92%			
66) 4-BROMOFLUROBENZENE SS	8.999	95	65545	24.87	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.48%			
Target Compounds						Qvalue
5) CHLOROMETHANE	1.240	50	935	0.15	UG/L #	42
11) ETHANOL	1.880	45	36385m	698.67	UG/L	
13) ACROLEIN	2.030	56	584	0.94	UG/L #	13
17) IODOMETHANE	2.221	142	493	0.24	UG/L #	33
22) CARBON DISULFIDE	2.263	76	6303	1.54	UG/L	99
26) VINYL ACETATE	3.213	43	2598	0.36	UG/L #	87
28) 2-BUTANONE	3.781	43	617	0.39	UG/L #	72
38) CYCLOHEXANE	4.284	56	2711	0.48	UG/L #	31
54) MIBK	6.362	43	540	0.15	UG/L #	49
97) NAPHTHALENE	12.369	128	652	0.11	UG/L #	69

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016121.D
Acq On : 9 Jun 2020 2:07 pm
Operator :
Sample : 8260 ETOH 1000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1

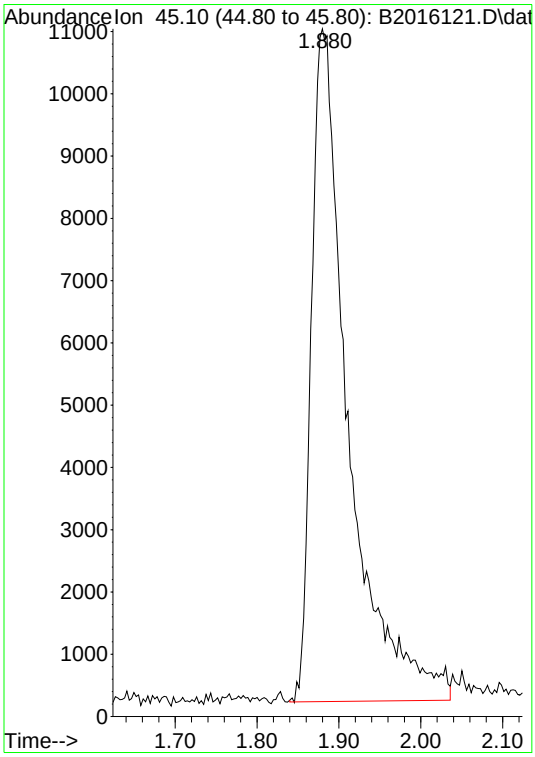
Quant Time: Jun 09 18:15:57 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016121.D
Acq On : 9 Jun 2020 2:07 pm
Operator :
Sample : 8260 ETOH 1000 PPB
Misc :

Quant Time : Tue Jun 09 18:15:57 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

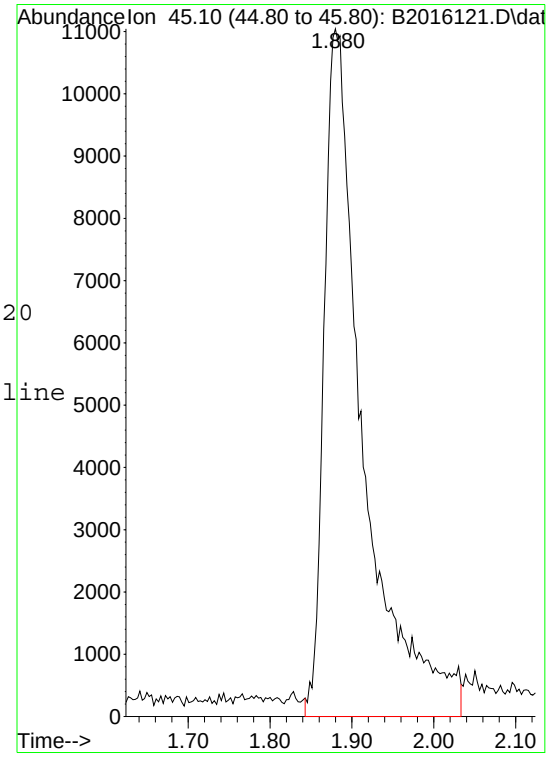
RT : 1.88
Area : 33598
Amount: 649.507

Manual Int. Results

Tue Jun 09 18:16:36 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.88
Area : 36385
Amount: 698.67

Manual Integration
ETHANOL



Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016122.D
Acq On : 9 Jun 2020 2:33 pm
Operator :
Sample : 8260 ETOH 2000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 15 Sample Multiplier: 1

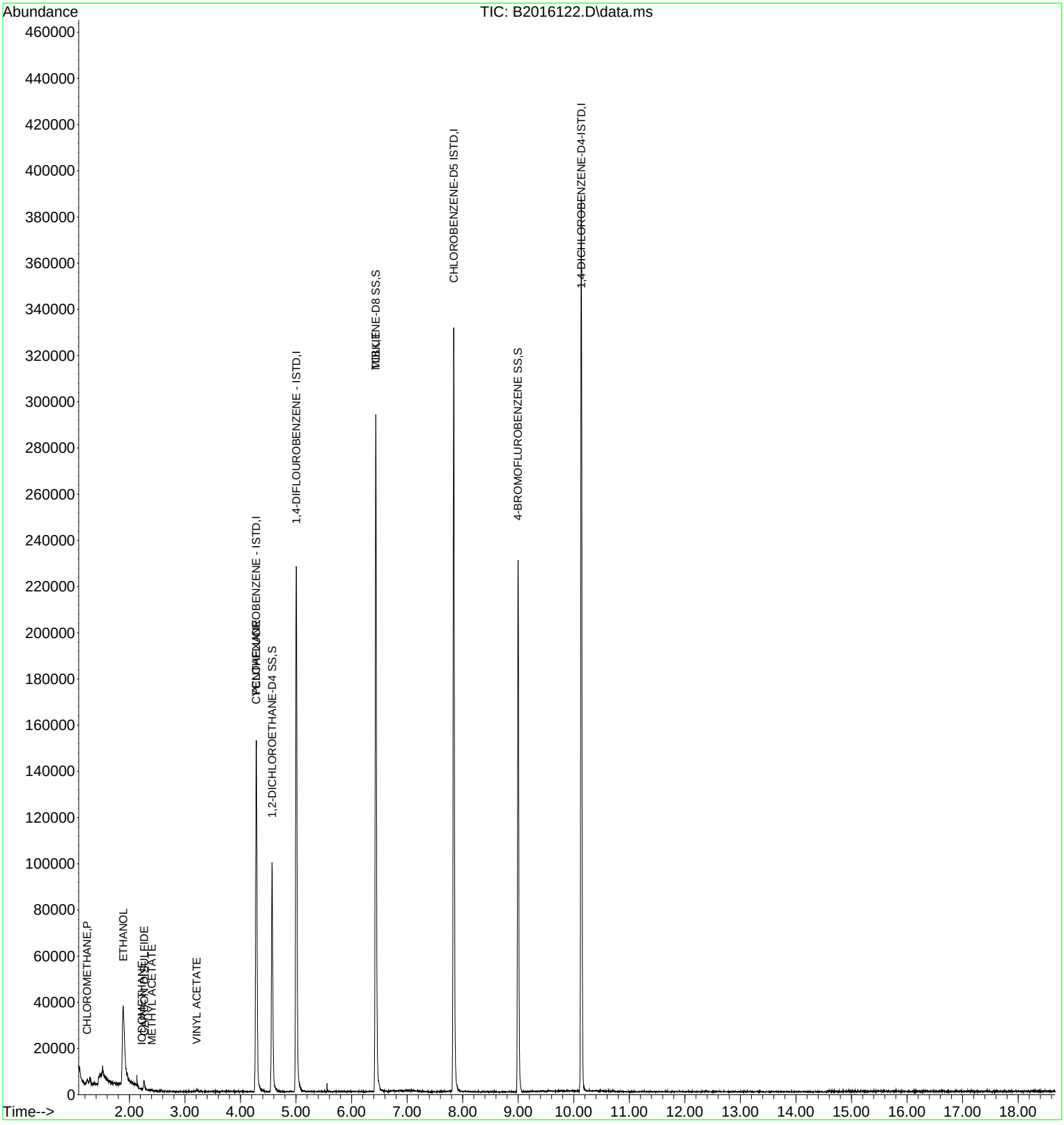
Quant Time: Jun 09 18:16:23 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.284	168	95344	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	151151	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	83433	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85957	30.00	UG/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	61919	26.52	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 106.08%			
45) TOLUENE-D8 SS	6.435	98	159280	26.07	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.28%			
66) 4-BROMOFLUROBENZENE SS	8.996	95	64632	25.00	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
5) CHLOROMETHANE	1.240	50	1395	0.24	UG/L	# 42
11) ETHANOL	1.888	45	69794m	1328.59	UG/L	
17) IODOMETHANE	2.223	142	320	0.16	UG/L	# 33
18) METHYL ACETATE	2.403	43	389	0.12	UG/L	# 73
22) CARBON DISULFIDE	2.266	76	3933	0.99	UG/L	# 75
26) VINYL ACETATE	3.212	43	1710	0.24	UG/L	# 87
38) CYCLOHEXANE	4.281	56	2571	0.47	UG/L	# 24
54) MIBK	6.435	43	1282	0.37	UG/L	# 1

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016122.D
Acq On : 9 Jun 2020 2:33 pm
Operator :
Sample : 8260 ETOH 2000 PPB Inst : GCMSVOA2
Misc :
ALS Vial : 15 Sample Multiplier: 1

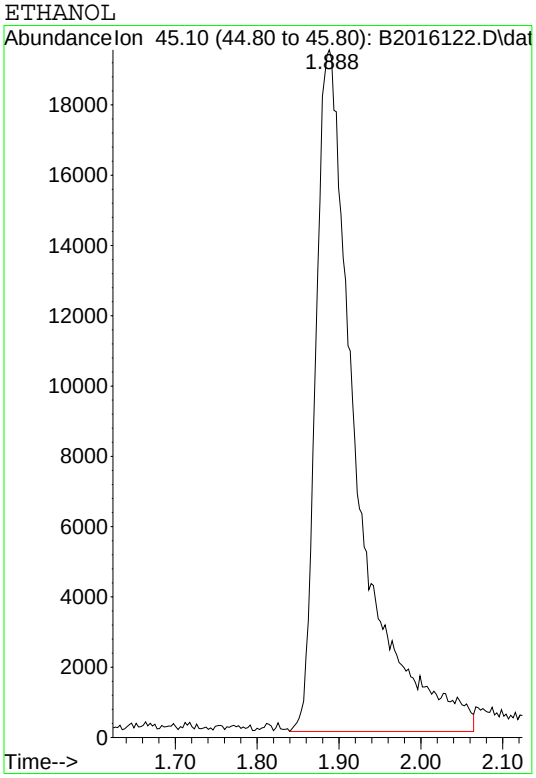
Quant Time: Jun 09 18:16:23 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Tue Apr 28 08:24:11 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016122.D
Acq On : 9 Jun 2020 2:33 pm
Operator :
Sample : 8260 ETOH 2000 PPB
Misc :

Quant Time : Tue Jun 09 18:16:23 2020
Quant Method : C:\MSDCHEM\1\METHODS\B042720W.M
QLast Update : Tue Apr 28 08:24:11 2020

Original Integration
ETHANOL



Original Int. Results

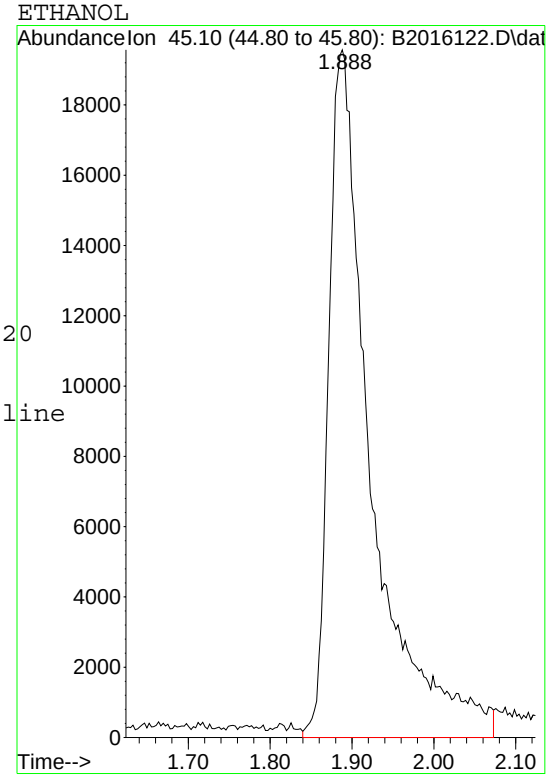
RT : 1.89
Area : 67049
Amount: 1278.58

Manual Int. Results

Tue Jun 09 18:17:02 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.89
Area : 69794
Amount: 1328.59

Manual Integration
ETHANOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016126.D
Acq On : 9 Jun 2020 4:18 pm
Operator :
Sample : ICV Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 10 08:28:45 2020
Quant Method : Y:\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:24:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	94974	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.009	114	150310	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	82662	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	85779	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.568	65	59090	24.14	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.56%				
45) TOLUENE-D8 SS	6.435	98	156551	24.92	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.68%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	64830	25.27	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.08%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	19858	10.16	UG/L		98
4) DIFLUOROCHLOROMETHANE	1.138	51	28205	10.46	UG/L		99
5) CHLOROMETHANE	1.243	50	27011	4.55	UG/L		99
6) VINYL CHLORIDE	1.308	62	19788	8.92	UG/L		99
7) BROMOMETHANE	1.502	94	1972	6.26	UG/L		92
8) CHLOROETHANE	1.570	64	11260	9.26	UG/L		97
9) FLUORODICHLOROMETHANE	1.698	67	30078	9.88	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.732	101	24186	9.62	UG/L		95
11) ETHANOL	1.880	45	3176	103.19	UG/L	#	76
12) DI ETHYL ETHER	1.928	59	13625	10.63	UG/L		98
13) ACROLEIN	2.033	56	37570	82.73	UG/L	#	98
14) ACETONE	2.150	43	67486	100.20	UG/L		98
15) 1,1-DICHLOROETHENE	2.093	61	27104	10.70	UG/L		98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.087	101	13557	11.11	UG/L		94
17) IODOMETHANE	2.215	142	5332	10.05	UG/L		96
18) METHYL ACETATE	2.403	43	20287	9.51	UG/L		100
19) T-BUTYL ALCOHOL	2.604	59	22843	96.58	UG/L		99
20) ACRYLONITRILE	2.724	53	7937	10.69	UG/L		97
21) METHYLENE CHLORIDE	2.488	49	27544	9.96	UG/L		99
22) CARBON DISULFIDE	2.263	76	38971	9.69	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.727	73	42154	10.80	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.721	61	25087	10.44	UG/L		97
25) 1,1-DICHLOROETHANE	3.150	63	31291	10.56	UG/L		98
26) VINYL ACETATE	3.213	43	476129	96.02	UG/L		100
27) DI ISOPROPYL ETHER	3.215	45	64601	9.97	UG/L		99
28) 2-BUTANONE	3.778	43	98628	93.92	UG/L		100
29) T-BUTYL ETHYL ETHER	3.588	59	52748	9.64	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.744	61	30804	10.80	UG/L		97
31) 2,2-DICHLOROPROPANE	3.733	77	24201	10.50	UG/L		100
32) ETHYL ACETATE	3.838	43	26568m	11.53	UG/L		
33) BROMOCHLOROMETHANE	3.988	128	7355	11.85	UG/L		98
34) TETRAHYDROFURAN	4.037	42	6996m	10.59	UG/L		
35) T-BUTYL FORMATE	4.128	59	15704	9.30	UG/L		97
36) CHLOROFORM	4.077	83	27502	10.29	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.236	97	24985	10.42	UG/L		98
38) CYCLOHEXANE	4.278	56	39577	10.94	UG/L		99
39) CARBON TETRACHLORIDE	4.392	117	22142	10.25	UG/L		99
40) 1,1-DICHLOROPROPENE	4.406	75	19772	9.52	UG/L		99
41) BENZENE	4.611	78	58021	10.08	UG/L		99
42) T-AMYL ALCOHOL	4.665	59	17568	100.51	UG/L		99
43) T-AMYLMETHYL ETHER	4.727	73	41079	10.31	UG/L		95
46) 1,2-DICHLOROETHANE	4.648	62	26500	10.99	UG/L		99
47) TRICHLOROETHENE	5.247	95	15898	10.89	UG/L		100

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016126.D
Acq On : 9 Jun 2020 4:18 pm
Operator :
Sample : ICV Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1

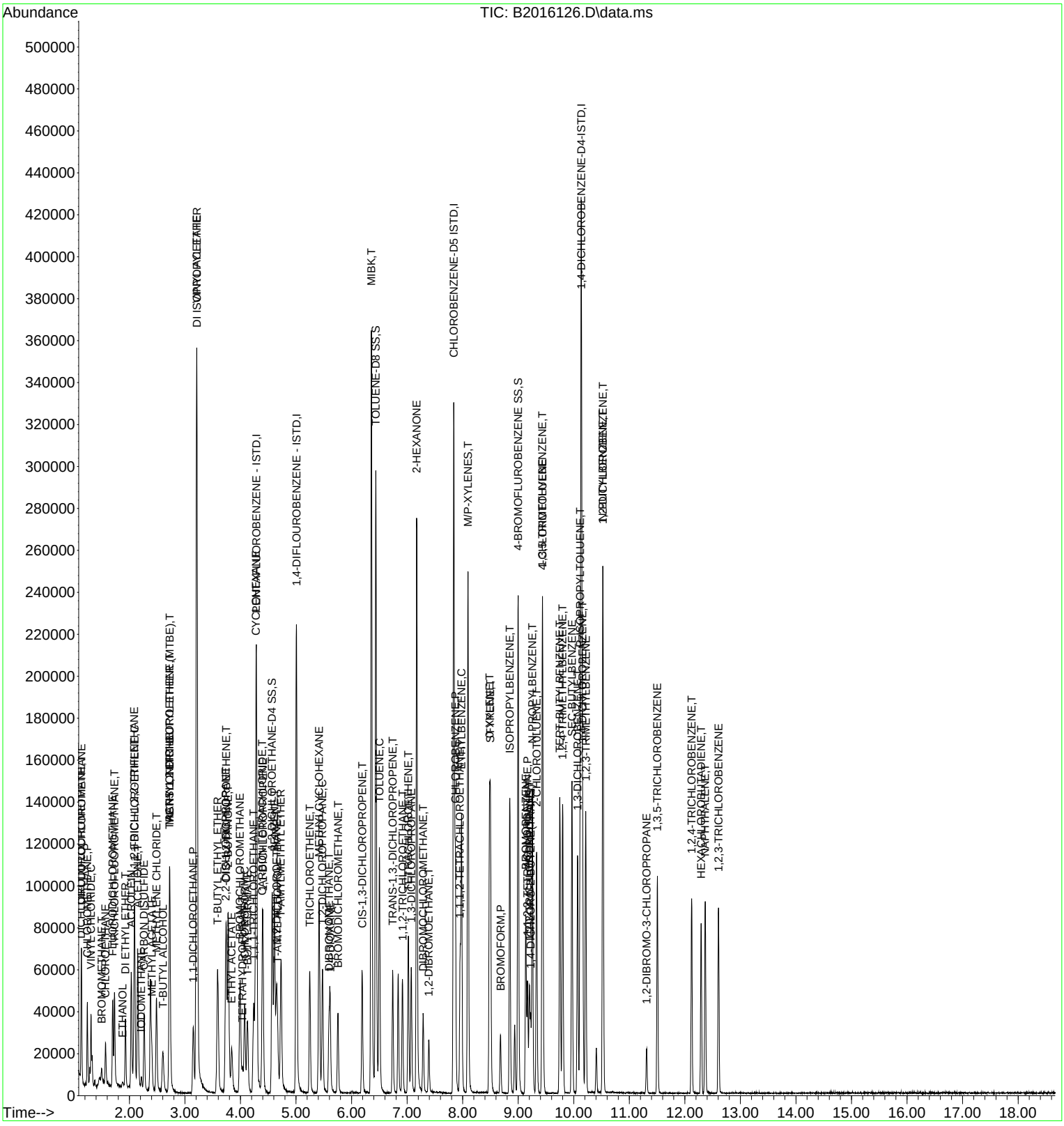
Quant Time: Jun 10 08:28:45 2020
Quant Method : Y:\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:24:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	28786	11.15 UG/L		98
49) 1,2-DICHLOROPROPANE	5.475	63	17701	10.87 UG/L		98
50) DIBROMOMETHANE	5.594	93	10150	11.62 UG/L		100
51) 1,4-DIOXANE	5.620	88	1720	96.73 UG/L	#	79
52) BROMODICHLOROMETHANE	5.756	83	20346	10.54 UG/L		99
54) MIBK	6.356	43	226544	101.65 UG/L		100
55) CIS-1,3-DICHLOROPROPENE	6.191	75	24288	10.33 UG/L		97
56) TOLUENE	6.501	91	65741	10.30 UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.739	75	22534	10.90 UG/L		99
59) 1,1,2-TRICHLOROETHANE	6.918	97	13269	10.84 UG/L		99
60) 2-HEXANONE	7.171	43	163245	97.77 UG/L		100
61) TETRACHLOROETHENE	7.021	164	13966	11.02 UG/L		97
62) 1,3-DICHLOROPROPANE	7.075	76	23357	10.45 UG/L		98
63) DIBROMOCHLOROMETHANE	7.291	129	15566	10.50 UG/L		100
64) 1,2-DIBROMOETHANE	7.390	107	14746	10.84 UG/L	#	96
67) CHLOROBENZENE	7.868	112	43846	10.41 UG/L		99
68) 1,1,1,2-TETRACHLOROETHANE	7.950	131	15459	10.99 UG/L		99
69) ETHYLBENZENE	7.979	91	77019	10.47 UG/L		99
70) M/P-XYLENES	8.095	91	121994	21.17 UG/L		100
71) 0-XYLENE	8.484	91	61805	10.45 UG/L		100
72) STYRENE	8.499	104	48300	10.66 UG/L		99
73) BROMOFORM	8.683	173	11066	10.63 UG/L	#	99
74) ISOPROPYLBENZENE	8.848	105	78694	10.56 UG/L		98
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	20633	10.62 UG/L		100
77) 1,4-DICHLORO-2-BUTENE(...	9.223	53	7407	10.45 UG/L		93
78) BROMOBENZENE	9.135	77	28650	10.63 UG/L		98
79) 1,2,3-TRICHLOROPROPANE	9.203	110	6046	11.33 UG/L		98
80) N-PROPYLBENZENE	9.255	91	96545	10.43 UG/L		99
81) 2-CHLOROT0LUENE	9.331	91	53309	10.05 UG/L		98
82) 1,3,5-TRIMETHYLBENZENE	9.434	105	66688	10.54 UG/L		100
83) 4-CHLOROTOLUENE	9.439	91	65038	10.54 UG/L		99
85) TERT-BUTYLBENZENE	9.749	119	57661	10.48 UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	66373	10.39 UG/L		100
87) SEC-BUTYLBENZENE	9.968	105	88975	10.82 UG/L		99
88) 1,3-DICHLOROBENZENE	10.067	146	38384	10.61 UG/L		98
89) P-ISOPROPYLTOLUENE	10.116	119	77511	11.21 UG/L		99
90) 1,4-DICHLOROBENZENE	10.158	146	39211	10.45 UG/L		98
91) 1,2,3-TRIMETHYLBENZENE	10.218	105	64793	10.38 UG/L	#	100
92) N-BUTYLBENZENE	10.522	91	72201	10.83 UG/L		100
93) 1,2-DICHLOROBENZENE	10.525	146	36126	10.45 UG/L		99
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	4260	10.99 UG/L		99
95) 1,3,5-TRICHLOROBENZENE	11.505	180	27673	10.53 UG/L		97
96) 1,2,4-TRICHLOROBENZENE	12.122	180	25279	10.98 UG/L		99
97) HEXACHLOROBUTADIENE	12.293	225	13752	11.58 UG/L		99
98) NAPHTHALENE	12.367	128	61364	10.46 UG/L		100
99) 1,2,3-TRICHLOROBENZENE	12.608	180	23265	10.78 UG/L		100

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016126.D
Acq On : 9 Jun 2020 4:18 pm
Operator :
Sample : ICV Inst : GCMSVOA2
Misc :
ALS Vial : 19 Sample Multiplier: 1

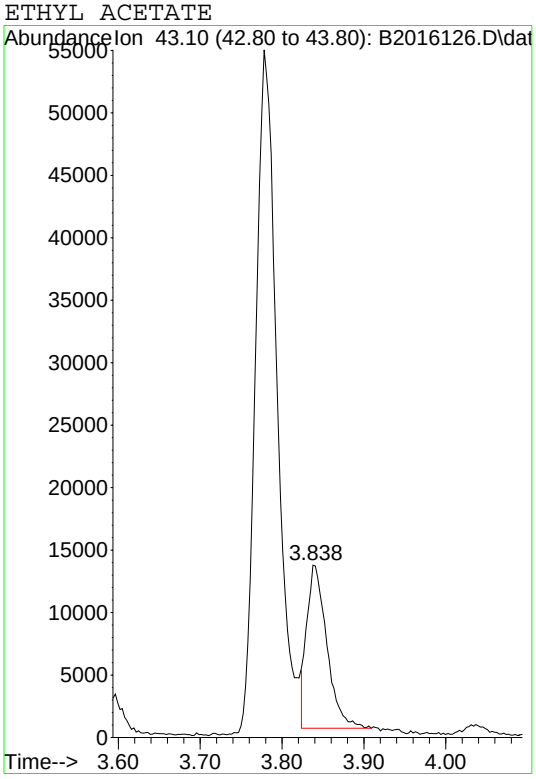
Quant Time: Jun 10 08:28:45 2020
Quant Method : Y:\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:24:56 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016126.D
Acq On : 9 Jun 2020 4:18 pm
Operator :
Sample : ICV
Misc :

Quant Time : Wed Jun 10 08:28:45 2020
Quant Method : Y:\1\METHODS\B060920W.M
QLast Update : Wed Jun 10 07:24:56 2020

Original Integration
ETHYL ACETATE



Original Int. Results

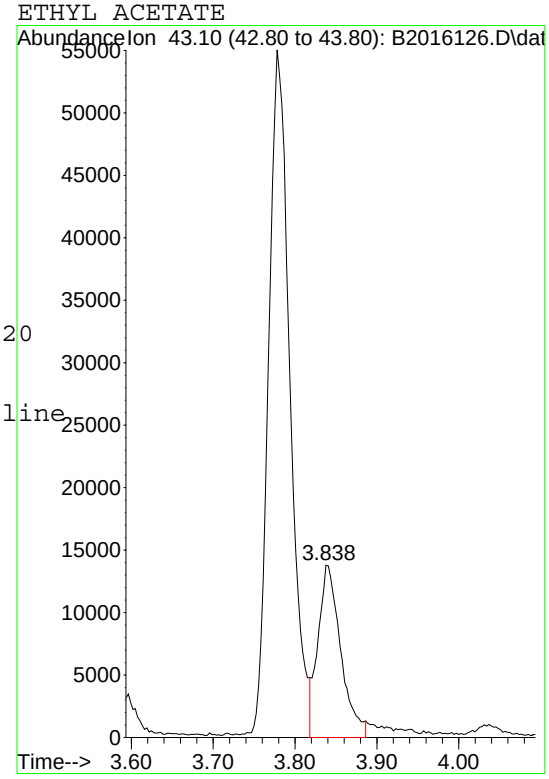
RT : 3.84
Area : 22294
Amount: 9.67275

Manual Int. Results

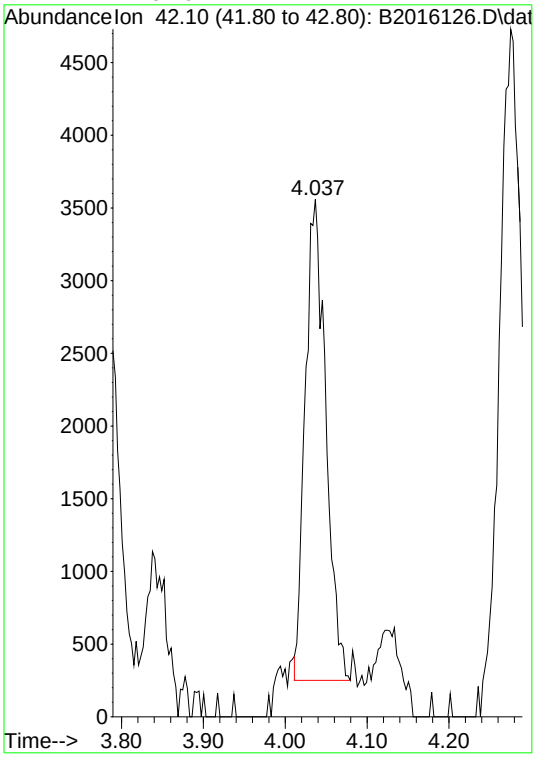
Wed Jun 10 08:28:06 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 26568
Amount: 11.5271

Manual Integration
ETHYL ACETATE



Original Integration
TETRAHYDROFURAN



Original Int. Results

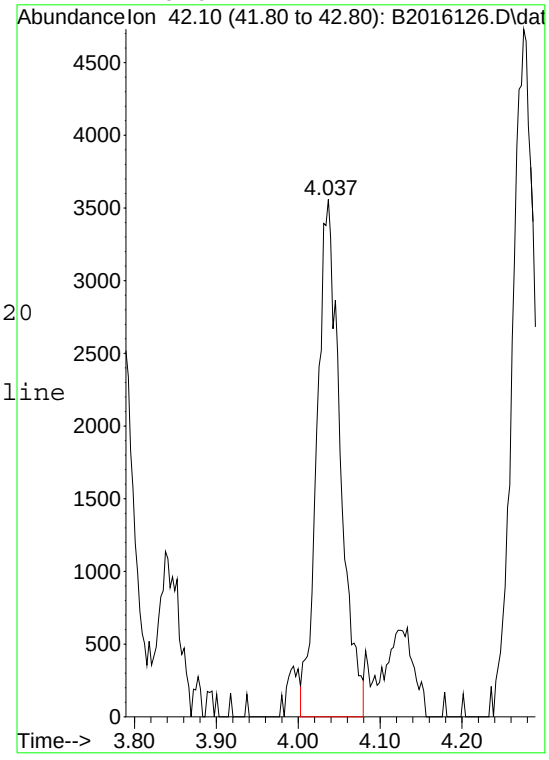
RT : 4.04
Area : 5767
Amount: 8.73299

Manual Int. Results

Wed Jun 10 08:28:12 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.04
Area : 6996
Amount: 10.5941

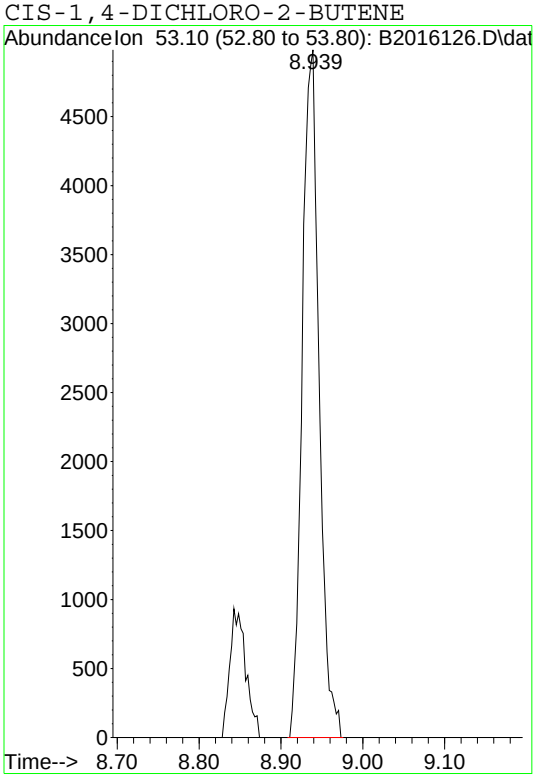
Manual Integration
TETRAHYDROFURAN



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016126.D
Acq On : 9 Jun 2020 4:18 pm
Operator :
Sample : ICV
Misc :

Quant Time : Wed Jun 10 08:28:45 2020
Quant Method : Y:\1\METHODS\B060920W.M
QLast Update : Wed Jun 10 07:24:56 2020

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

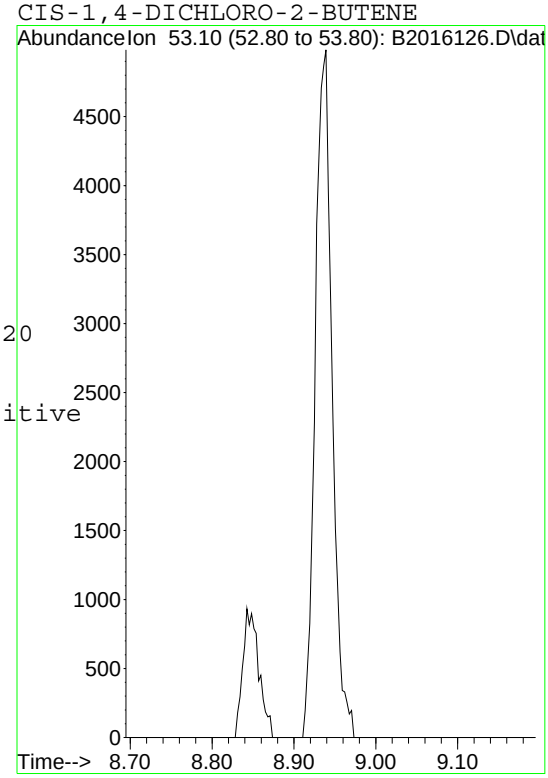
RT : 8.94
Area : 7123
Amount: 0

Manual Int. Results

Wed Jun 10 08:28:37 2020

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016127.D
Acq On : 9 Jun 2020 4:44 pm
Operator :
Sample : ICVD Inst : GCMSVOA2
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 10 08:31:01 2020
Quant Method : Y:\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:24:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.287	168	97782	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	5.006	114	155217	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.839	82	85099	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.136	152	87471	30.00	UG/L		0.00
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.571	65	63486	25.20	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.80%				
45) TOLUENE-D8 SS	6.438	98	160209	24.69	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.76%				
66) 4-BROMOFLUROBENZENE SS	8.999	95	65374	24.75	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.00%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.129	85	19613	9.75	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.138	51	28266	10.18	UG/L		99
5) CHLOROMETHANE	1.243	50	26829	4.39	UG/L		97
6) VINYL CHLORIDE	1.308	62	20199	8.85	UG/L		95
7) BROMOMETHANE	1.504	94	2176	6.48	UG/L		90
8) CHLOROETHANE	1.570	64	11350	9.07	UG/L		98
9) FLUORODICHLOROMETHANE	1.698	67	29761	9.49	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.732	101	24240	9.36	UG/L		96
11) ETHANOL	1.877	45	3160m	99.72	UG/L		
12) DI ETHYL ETHER	1.931	59	13694	10.38	UG/L		99
13) ACROLEIN	2.033	56	37688	80.61	UG/L	#	100
14) ACETONE	2.150	43	69100	99.66	UG/L		98
15) 1,1-DICHLOROETHENE	2.093	61	27677	10.61	UG/L		100
16) 1,1,2-TRICL-1,2,2-TRIF...	2.090	101	13547	10.79	UG/L		94
17) IODOMETHANE	2.218	142	5725	10.22	UG/L		99
18) METHYL ACETATE	2.403	43	20694	9.43	UG/L		98
19) T-BUTYL ALCOHOL	2.601	59	24298	99.78	UG/L		97
20) ACRYLONITRILE	2.727	53	8185	10.71	UG/L		99
21) METHYLENE CHLORIDE	2.485	49	27677	9.72	UG/L		100
22) CARBON DISULFIDE	2.266	76	38431	9.28	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.724	73	42140	10.48	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.721	61	25544	10.32	UG/L		100
25) 1,1-DICHLOROETHANE	3.150	63	31618	10.36	UG/L		98
26) VINYL ACETATE	3.212	43	475150	93.07	UG/L		100
27) DI ISOPROPYL ETHER	3.215	45	65662	9.84	UG/L		99
28) 2-BUTANONE	3.781	43	101956	94.30	UG/L		99
29) T-BUTYL ETHYL ETHER	3.588	59	54528	9.68	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.747	61	30603	10.43	UG/L		99
31) 2,2-DICHLOROPROPANE	3.733	77	24063	10.14	UG/L		99
32) ETHYL ACETATE	3.841	43	25711m	10.83	UG/L		
33) BROMOCHLOROMETHANE	3.991	128	7279	11.40	UG/L		98
34) TETRAHYDROFURAN	4.037	42	7074m	10.40	UG/L		
35) T-BUTYL FORMATE	4.125	59	15335	8.82	UG/L		99
36) CHLOROFORM	4.076	83	27209	9.89	UG/L		100
37) 1,1,1-TRICHLOROETHANE	4.236	97	25291	10.24	UG/L		97
38) CYCLOHEXANE	4.275	56	38641	10.37	UG/L		99
39) CARBON TETRACHLORIDE	4.392	117	22472	10.10	UG/L		97
40) 1,1-DICHLOROPROPENE	4.403	75	20857	9.76	UG/L		98
41) BENZENE	4.611	78	58104	9.81	UG/L		99
42) T-AMYL ALCOHOL	4.668	59	17342m	96.37	UG/L		
43) T-AMYLMETHYL ETHER	4.730	73	40536	9.88	UG/L		99
46) 1,2-DICHLOROETHANE	4.645	62	26303	10.57	UG/L		98
47) TRICHLOROETHENE	5.247	95	15675	10.40	UG/L		96

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016127.D
Acq On : 9 Jun 2020 4:44 pm
Operator :
Sample : ICVD Inst : GCMSVOA2
Misc :
ALS Vial : 20 Sample Multiplier: 1

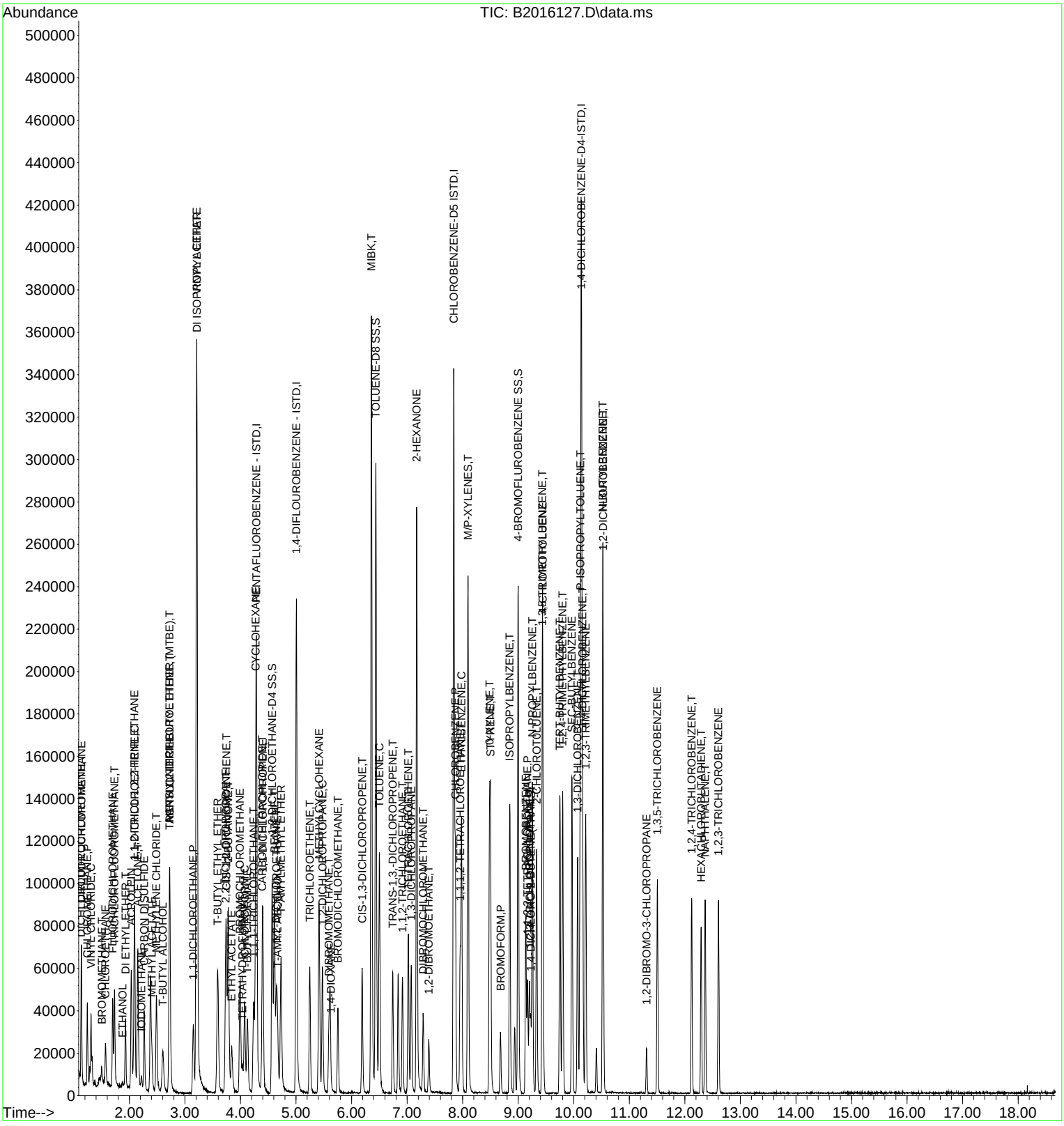
Quant Time: Jun 10 08:31:01 2020
Quant Method : Y:\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:24:56 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.415	83	28879	10.84	UG/L		96
49) 1,2-DICHLOROPROPANE	5.478	63	18015	10.71	UG/L		95
50) DIBROMOMETHANE	5.591	93	10384	11.51	UG/L		95
51) 1,4-DIOXANE	5.628	88	1728	94.48	UG/L	#	79
52) BROMODICHLOROMETHANE	5.753	83	20728	10.40	UG/L		99
54) MIBK	6.356	43	223871	97.28	UG/L		100
55) CIS-1,3-DICHLOROPROPENE	6.191	75	24250	9.99	UG/L		96
56) TOLUENE	6.501	91	65618	9.95	UG/L		100
57) TRANS-1,3,-DICHLOROPRO...	6.742	75	22665	10.62	UG/L		99
59) 1,1,2-TRICHLOROETHANE	6.916	97	13151	10.40	UG/L		99
60) 2-HEXANONE	7.171	43	166524	96.58	UG/L		100
61) TETRACHLOROETHENE	7.021	164	14431	11.03	UG/L		99
62) 1,3-DICHLOROPROPANE	7.075	76	23818	10.32	UG/L		99
63) DIBROMOCHLOROMETHANE	7.291	129	15844	10.35	UG/L		99
64) 1,2-DIBROMOETHANE	7.390	107	14777	10.52	UG/L	#	97
67) CHLOROBENZENE	7.868	112	44293	10.22	UG/L		99
68) 1,1,1,2-TETRACHLOROETHANE	7.956	131	15740	10.87	UG/L		99
69) ETHYLBENZENE	7.978	91	76853	10.15	UG/L		99
70) M/P-XYLENES	8.098	91	120147	20.25	UG/L		99
71) 0-XYLENE	8.484	91	61802	10.15	UG/L		99
72) STYRENE	8.501	104	47796	10.25	UG/L		99
73) BROMOFORM	8.683	173	11258	10.50	UG/L	#	99
74) ISOPROPYLBENZENE	8.845	105	78783	10.27	UG/L		99
76) 1,1,2,2-TETRACHLOROETHANE	9.166	83	20913	10.46	UG/L		100
77) 1,4-DICHLORO-2-BUTENE(...	9.226	53	7495	10.27	UG/L		98
78) BROMOBENZENE	9.135	77	28258	10.19	UG/L		97
79) 1,2,3-TRICHLOROPROPANE	9.206	110	6198	11.28	UG/L		98
80) N-PROPYLBENZENE	9.255	91	96929	10.17	UG/L		100
81) 2-CHLOROT0LUENE	9.331	91	54634	10.01	UG/L		99
82) 1,3,5-TRIMETHYLBENZENE	9.431	105	66083	10.15	UG/L		100
83) 4-CHLOROTOLUENE	9.442	91	64747	10.19	UG/L		98
85) TERT-BUTYLBENZENE	9.749	119	58049	10.35	UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.800	105	66342	10.19	UG/L		100
87) SEC-BUTYLBENZENE	9.965	105	89188	10.63	UG/L		100
88) 1,3-DICHLOROBENZENE	10.070	146	38432	10.42	UG/L		98
89) P-ISOPROPYLTOLUENE	10.118	119	75785	10.75	UG/L		99
90) 1,4-DICHLOROBENZENE	10.158	146	38225	9.99	UG/L		99
91) 1,2,3-TRIMETHYLBENZENE	10.215	105	64321	10.10	UG/L	#	100
92) N-BUTYLBENZENE	10.522	91	71860	10.57	UG/L		100
93) 1,2-DICHLOROBENZENE	10.528	146	35716	10.14	UG/L		99
94) 1,2-DIBROMO-3-CHLOROPR...	11.312	75	4149	10.49	UG/L		98
95) 1,3,5-TRICHLOROBENZENE	11.505	180	27528	10.27	UG/L		96
96) 1,2,4-TRICHLOROBENZENE	12.122	180	24664	10.51	UG/L		97
97) HEXACHLOROBUTADIENE	12.293	225	13495	11.14	UG/L		99
98) NAPHTHALENE	12.366	128	62095	10.38	UG/L		99
99) 1,2,3-TRICHLOROBENZENE	12.605	180	23371	10.62	UG/L		99

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

Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016127.D
Acq On : 9 Jun 2020 4:44 pm
Operator :
Sample : ICVD Inst : GCMSVOA2
Misc :
ALS Vial : 20 Sample Multiplier: 1

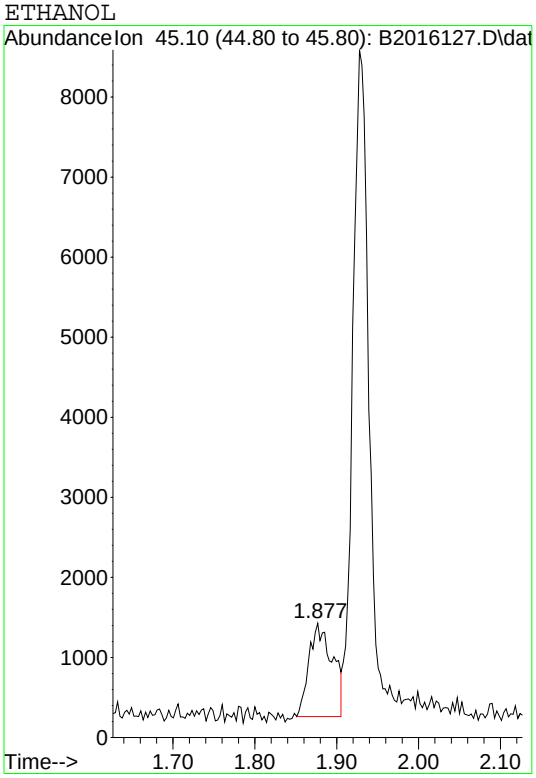
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Quant Method : Y:\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Wed Jun 10 07:24:56 2020
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016127.D
Acq On : 9 Jun 2020 4:44 pm
Operator :
Sample : ICVD
Misc :

Quant Time : Wed Jun 10 08:31:01 2020
Quant Method : Y:\1\METHODS\B060920W.M
QLast Update : Wed Jun 10 07:24:56 2020

Original Integration
ETHANOL



Original Int. Results

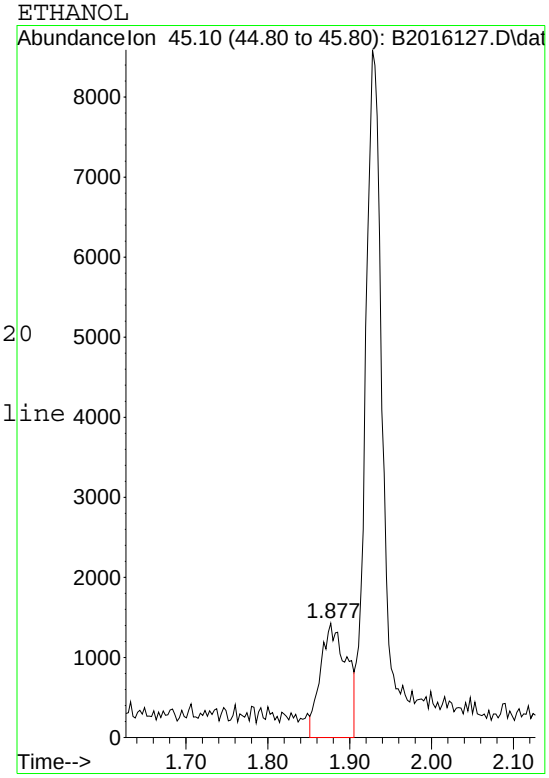
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Manual Int. Results

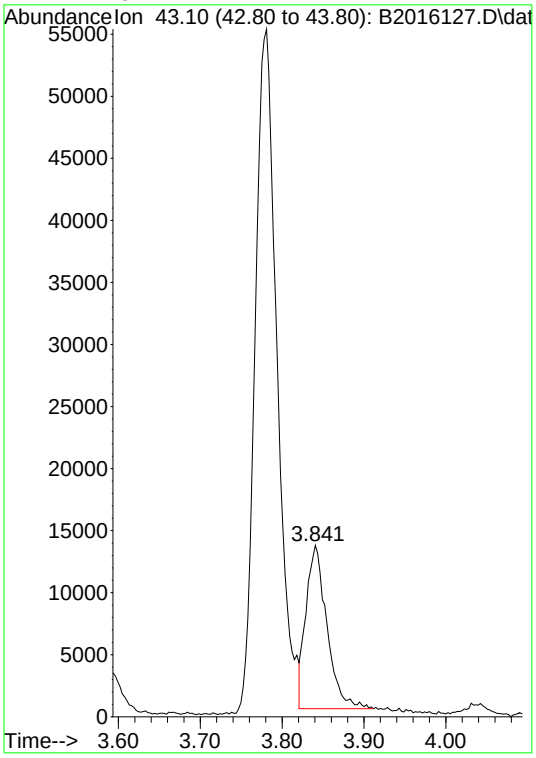
Wed Jun 10 08:30:05 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.88
Area : 3160
Amount: 99.721

Manual Integration
ETHANOL



Original Integration
ETHYL ACETATE



Original Int. Results

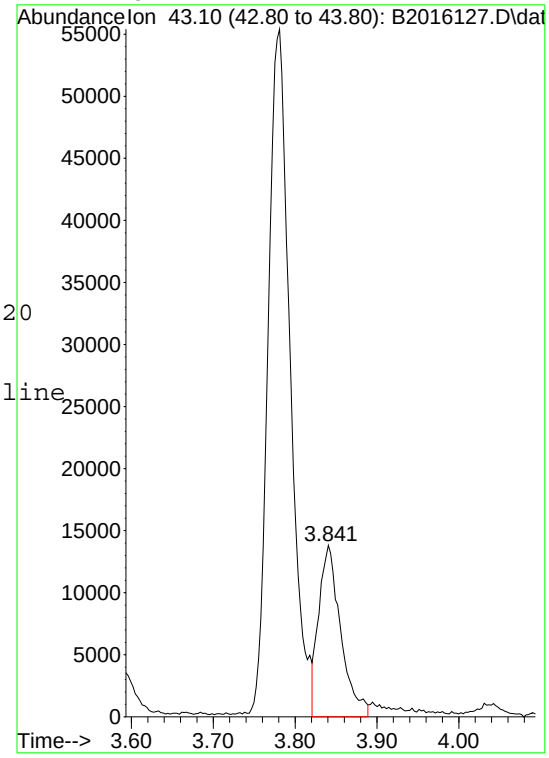
RT : 3.84
Area : 23300
Amount: 9.81892

Manual Int. Results

Wed Jun 10 08:30:22 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.84
Area : 25711
Amount: 10.8349

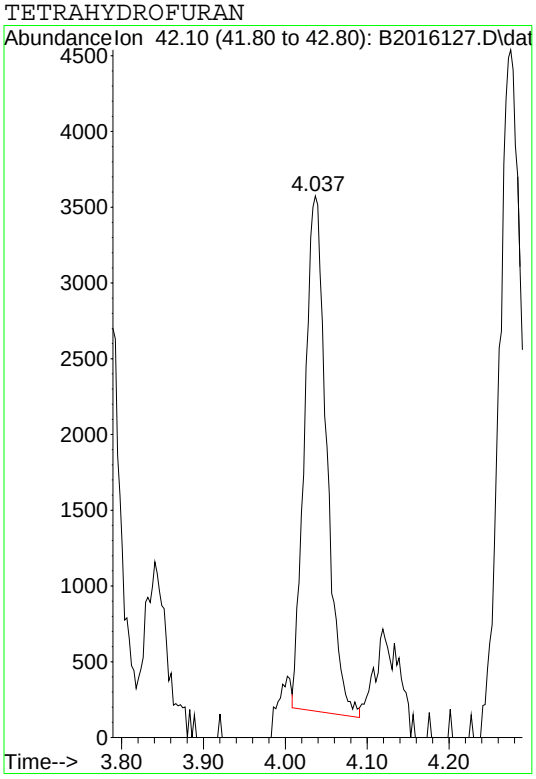
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016127.D
Acq On : 9 Jun 2020 4:44 pm
Operator :
Sample : ICVD
Misc :

Quant Time : Wed Jun 10 08:31:01 2020
Quant Method : Y:\1\METHODS\B060920W.M
QLast Update : Wed Jun 10 07:24:56 2020

Original Integration
TETRAHYDROFURAN



Original Int. Results

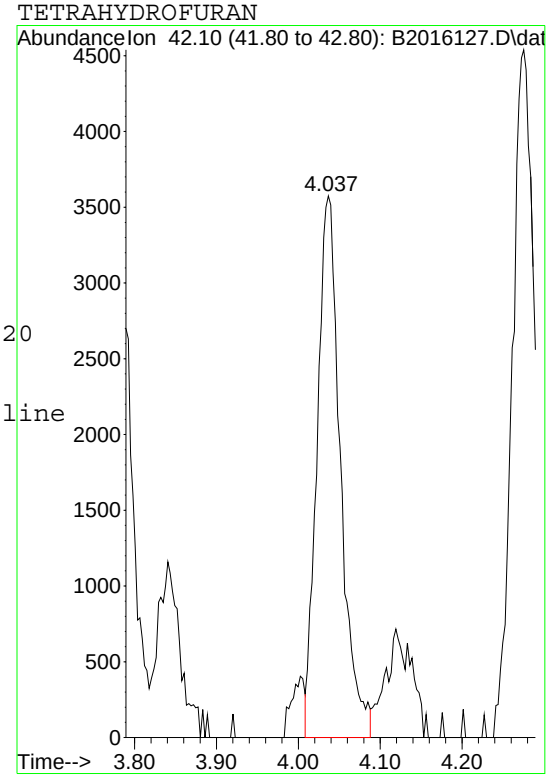
RT : 4.04
Area : 6296
Amount: 9.26027

Manual Int. Results

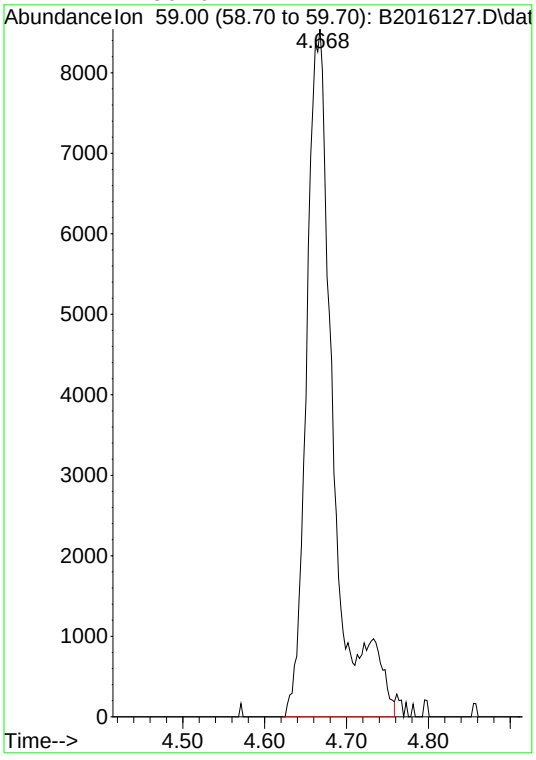
Wed Jun 10 08:30:27 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.04
Area : 7074
Amount: 10.4046

Manual Integration
TETRAHYDROFURAN



Original Integration
T-AMYL ALCOHOL



Original Int. Results

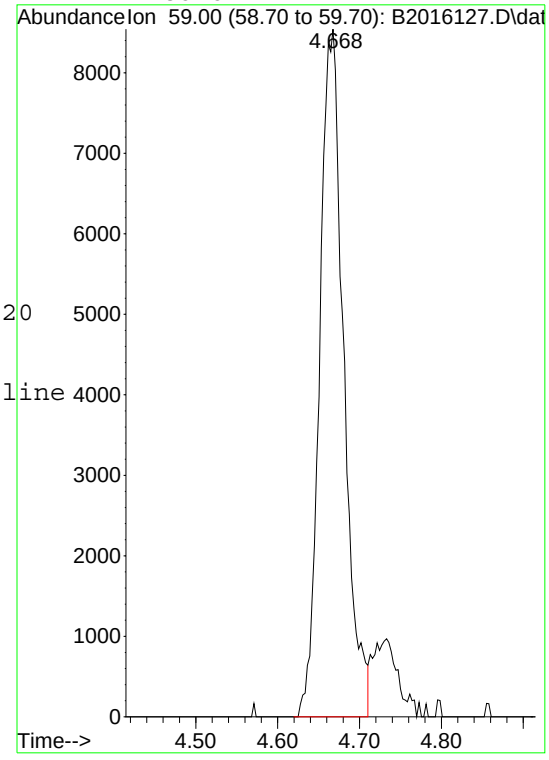
RT : 4.67
Area : 19277
Amount: 107.123

Manual Int. Results

Wed Jun 10 08:30:36 2020

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.67
Area : 17342
Amount: 96.3697

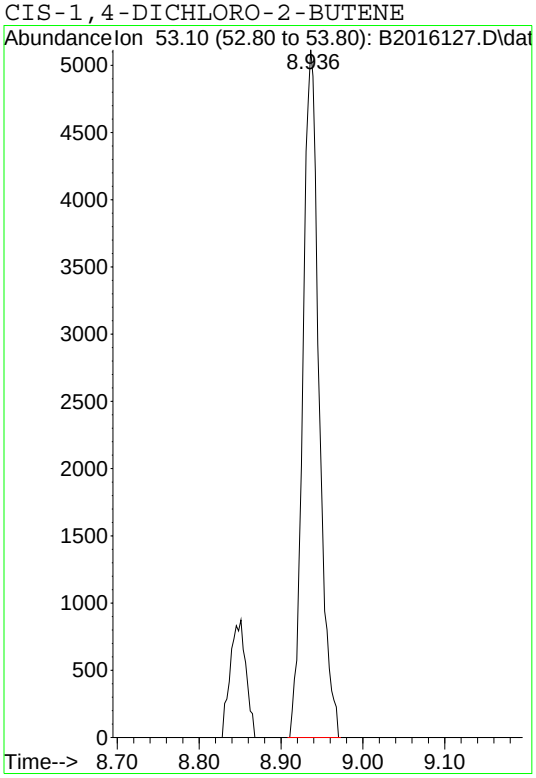
Manual Integration
T-AMYL ALCOHOL



Data Path : \\Voa2\MSDChem\1\DATA\B060920\
Data File : B2016127.D
Acq On : 9 Jun 2020 4:44 pm
Operator :
Sample : ICVD
Misc :

Quant Time : Wed Jun 10 08:31:01 2020
Quant Method : Y:\1\METHODS\B060920W.M
QLast Update : Wed Jun 10 07:24:56 2020

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

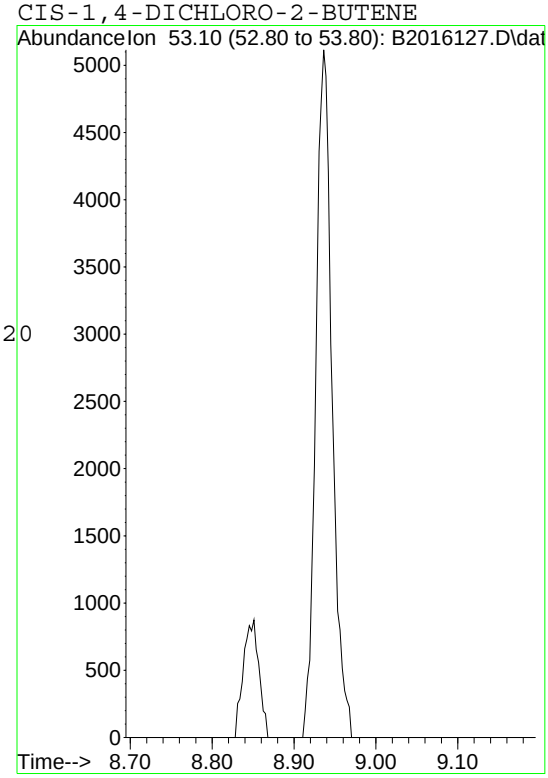
RT : 8.94
Area : 6994
Amount: 0

Manual Int. Results

Wed Jun 10 08:30:53 2020

MIuser: LBD
Reason: Split Peak
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B2016126.D	Calibration Date:	06/09/20 08:37
Sequence:	S049200	Injection Date:	06/09/20
Lab Sample ID:	S049200-ICV1	Injection Time:	16:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100	100	0.212736	0.213172		0.2	
Acrolein	A	100	82.7	0.1434461	0.1186746		-17.3	
Acrylonitrile	A	10.0	10.7	0.2344508	0.2507107		6.9	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.3	1.258459	1.297587		3.1	
Benzene	A	10.0	10.1	1.817602	1.832744		0.8	
Bromobenzene	A	10.0	10.6	0.9779525	1.039776		6.3	
Bromochloromethane	A	10.0	11.8	0.1959787	0.2323267		18.5	
Bromodichloromethane	A	10.0	10.5	0.3852316	0.4060808		5.4	
Bromoform	A	10.0	10.6	0.3779343	0.4016114		6.3	
Bromomethane	A	10.0	6.26	0.1593963	6.229073E-02		-37.4	
2-Butanone (MEK)	A	100	93.9	0.331706	0.3115421		-6.1	
tert-Butyl Alcohol (TBA)	A	100	96.6	7.471108E-02	7.215554E-02		-3.4	
n-Butylbenzene	A	10.0	10.8	2.3317	2.525129		8.3	
sec-Butylbenzene	A	10.0	10.8	2.877135	3.111776		8.2	
tert-Butylbenzene	A	10.0	10.5	1.923578	2.016612		4.8	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.64	1.728532	1.666182		-3.6	
Carbon Disulfide	A	10.0	9.69	1.270917	1.231		-3.1	
Carbon Tetrachloride	A	10.0	10.2	0.6823544	0.6994125		2.5	
Chlorobenzene	A	10.0	10.4	1.528388	1.591275		4.1	
Chlorodibromomethane	A	10.0	10.5	0.2959761	0.3106779		5.0	
Chloroethane	A	10.0	9.26	0.383947	0.3556763		-7.4	
Chloroform	A	10.0	10.3	0.8443192	0.868722		2.9	
Chloromethane	A	10.0	4.55	1.874805	0.8532125		-54.5	
2-Chlorotoluene	A	10.0	10.0	1.924599	1.93471		0.5	
4-Chlorotoluene	A	10.0	10.5	2.239113	2.360383		5.4	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	11.0	0.1356244	0.1489875		9.9	
1,2-Dibromoethane (EDB)	A	10.0	10.8	0.2715879	0.2943118		8.4	
Dibromomethane	A	10.0	11.6	0.1743876	0.2025813		16.2	
1,2-Dichlorobenzene	A	10.0	10.4	1.208544	1.263456		4.5	

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B2016126.D	Calibration Date:	06/09/20 08:37
Sequence:	S049200	Injection Date:	06/09/20
Lab Sample ID:	S049200-ICV1	Injection Time:	16:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,3-Dichlorobenzene	A	10.0	10.6	1.264831	1.342426		6.1	
1,4-Dichlorobenzene	A	10.0	10.4	1.312218	1.37135		4.5	
trans-1,4-Dichloro-2-butene	A	10.0	10.4	0.2572224	0.2688176		4.5	
Dichlorodifluoromethane (Freon 12)	A	10.0	10.2	0.6171461	0.6272664		1.6	
1,1-Dichloroethane	A	10.0	10.6	0.9362647	0.9884074		5.6	
1,2-Dichloroethane	A	10.0	11.0	0.4811448	0.5289069		9.9	
1,1-Dichloroethylene	A	10.0	10.7	0.800166	0.8561501		7.0	
cis-1,2-Dichloroethylene	A	10.0	10.8	0.9006016	0.9730242		8.0	
trans-1,2-Dichloroethylene	A	10.0	10.4	0.7592057	0.7924379		4.4	
Dichlorofluoromethane (Freon 21)	A	10.0	9.88	0.9620213	0.9500916		-1.2	
1,2-Dichloropropane	A	10.0	10.9	0.3251199	0.3532899		8.7	
1,3-Dichloropropane	A	10.0	10.4	0.4460151	0.4661766		4.5	
2,2-Dichloropropane	A	10.0	10.5	0.7280207	0.7644513		5.0	
1,1-Dichloropropene	A	10.0	9.52	0.6557042	0.6245499		-4.8	
cis-1,3-Dichloropropene	A	10.0	10.3	0.4691948	0.4847582		3.3	
trans-1,3-Dichloropropene	A	10.0	10.9	0.4126462	0.4497505		9.0	
Diethyl Ether	A	10.0	10.6	0.4047476	0.4303809		6.3	
Difluorochloromethane (Freon 22)	A	10.0	10.5	0.8521261	0.890928		4.6	
Diisopropyl Ether (DIPE)	A	10.0	9.97	2.047278	2.04059		-0.3	
1,4-Dioxane	A	100	96.7	3.769316E-03	3.432905E-03		-3.3	
Ethanol	A	100	103	9.722161E-03	1.003222E-02		3.2	
Ethyl Acetate	A	10.0	11.5	0.728039	0.8392192		15.3	
Ethylbenzene	A	10.0	10.5	2.669341	2.795202		4.7	
Hexachlorobutadiene	A	10.0	11.6	0.415325	0.4809569		15.8	
2-Hexanone (MBK)	A	100	97.8	0.3332371	0.3258166		-2.2	
Iodomethane	A	10.0	10.0	0.2623772	0.168425		0.5	
Isopropylbenzene (Cumene)	A	10.0	10.6	2.703899	2.855992		5.6	
p-Isopropyltoluene (p-Cymene)	A	10.0	11.2	2.418484	2.710838		12.1	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B2016126.D	Calibration Date:	06/09/20 08:37
Sequence:	S049200	Injection Date:	06/09/20
Lab Sample ID:	S049200-ICV1	Injection Time:	16:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	10.0	9.51	0.6735391	0.6408175		-4.9	
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.8	1.233356	1.331543		8.0	
Methyl Cyclohexane	A	10.0	11.2	0.5150882	0.5745326		11.5	
Methylene Chloride	A	10.0	9.96	0.8731688	0.8700486		-0.4	
4-Methyl-2-pentanone (MIBK)	A	100	102	0.4448133	0.4521535		1.7	
Naphthalene	A	10.0	10.5	2.051598	2.14612		4.6	
n-Propylbenzene	A	10.0	10.4	3.359447	3.503847		4.3	
Styrene	A	10.0	10.7	1.644621	1.752922		6.6	
1,1,1,2-Tetrachloroethane	A	10.0	11.0	0.5105569	0.5610438		9.9	
1,1,2,2-Tetrachloroethane	A	10.0	10.6	0.7048981	0.7488205		6.2	
Tetrachloroethylene	A	10.0	11.0	0.252829	0.2787439		10.2	
Tetrahydrofuran	A	10.0	10.6	0.2085948	0.2209868		5.9	
Toluene	A	10.0	10.3	1.27443	1.312108		3.0	
1,2,3-Trichlorobenzene	A	10.0	10.8	0.7546459	0.8136607		7.8	
1,2,4-Trichlorobenzene	A	10.0	11.0	0.8051003	0.8840975		9.8	
1,3,5-Trichlorobenzene	A	10.0	10.5	0.9189832	0.9678243		5.3	
1,1,1-Trichloroethane	A	10.0	10.4	0.7575683	0.789216		4.2	
1,1,2-Trichloroethane	A	10.0	10.8	0.244339	0.2648327		8.4	
Trichloroethylene	A	10.0	10.9	0.2912573	0.3173042		8.9	
Trichlorofluoromethane (Freon 11)	A	10.0	9.62	0.7942548	0.7639775		-3.8	
1,2,3-Trichloropropane	A	10.0	11.3	0.1936737	0.2194237		13.3	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.1	0.3852846	0.428233		11.1	
1,2,3-Trimethylbenzene	A	10.0	10.4	2.183479	2.266044		3.8	
1,2,4-Trimethylbenzene	A	10.0	10.4	2.233447	2.321302		3.9	
1,3,5-Trimethylbenzene	A	10.0	10.5	2.295931	2.420266		5.4	
Vinyl Acetate	A	100	96.0	1.566376	1.503977		-4.0	
Vinyl Chloride	A	10.0	8.92	0.7004293	0.6250553		-10.8	
m+p Xylene	A	20.0	21.2	2.091175	2.213726		5.9	
o-Xylene	A	10.0	10.4	2.147289	2.24305		4.5	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Pace New England	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B2016126.D	Calibration Date:	06/09/20 08:37
Sequence:	S049200	Injection Date:	06/09/20
Lab Sample ID:	S049200-ICV1	Injection Time:	16:18

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dichloroethane-d4	A	25.0	24.1	0.7730529	0.7466043		-3.4	
Toluene-d8	A	25.0	24.9	1.254031	1.249825		-0.3	
4-Bromofluorobenzene	A	25.0	25.3	0.9311152	0.9411338		1.1	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B22V10112.D	Calibration Date:	06/09/20 08:37
Sequence:	S070273	Injection Date:	04/11/22
Lab Sample ID:	S070273-CCV1	Injection Time:	11:37

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	103	0.212736	0.2192096		3.0	20	
Acrylonitrile	A	10.0	10.5	0.2344508	0.2459912		4.9	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.3	1.258459	1.294533		2.9	20	
Benzene	A	10.0	10.0	1.817602	1.820021		0.1	20	
Bromobenzene	A	10.0	10.9	0.9779525	1.069315		9.3	20	
Bromochloromethane	A	10.0	12.1	0.1959787	0.2374933		21.2	20	*
Bromodichloromethane	A	10.0	10.8	0.3852316	0.4160818		8.0	20	
Bromoform	A	10.0	12.2	0.3779343	0.4622004		22.3	20	*
Bromomethane	A	10.0	19.3	0.1593963	0.323184		93.3	20	*
2-Butanone (MEK)	A	100	98.0	0.331706	0.3251719		-2.0	20	
tert-Butyl Alcohol (TBA)	A	100	111	7.471108E-02	8.274829E-02		10.8	20	
n-Butylbenzene	A	10.0	9.90	2.3317	2.309511		-1.0	20	
sec-Butylbenzene	A	10.0	9.76	2.877135	2.808684		-2.4	20	
tert-Butylbenzene	A	10.0	10.3	1.923578	1.986262		3.3	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	10.0	1.728532	1.734442		0.3	20	
Carbon Disulfide	A	100	100	1.270917	1.2758		0.4	20	
Carbon Tetrachloride	A	10.0	11.6	0.6823544	0.7903465		15.8	20	
Chlorobenzene	A	10.0	11.4	1.528388	1.739772		13.8	20	
Chlorodibromomethane	A	10.0	11.4	0.2959761	0.3363809		13.7	20	
Chloroethane	A	10.0	10.8	0.383947	0.4152015		8.1	20	
Chloroform	A	10.0	10.2	0.8443192	0.8625604		2.2	20	
Chloromethane	A	10.0	4.69	1.874805	0.8792568		-53.1	20	*
2-Chlorotoluene	A	10.0	10.8	1.924599	2.079192		8.0	20	
4-Chlorotoluene	A	10.0	11.3	2.239113	2.523339		12.7	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.65	0.1356244	0.1308625		-3.5	20	
1,2-Dibromoethane (EDB)	A	10.0	11.1	0.2715879	0.3008161		10.8	20	
Dibromomethane	A	10.0	11.5	0.1743876	0.2003026		14.9	20	
1,2-Dichlorobenzene	A	10.0	11.0	1.208544	1.326912		9.8	20	
1,3-Dichlorobenzene	A	10.0	10.7	1.264831	1.353766		7.0	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B22V10112.D	Calibration Date:	06/09/20 08:37
Sequence:	S070273	Injection Date:	04/11/22
Lab Sample ID:	S070273-CCV1	Injection Time:	11:37

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	10.0	10.7	1.312218	1.40696		7.2	20
trans-1,4-Dichloro-2-butene	A	10.0	10.4	0.2572224	0.2684488		4.4	20
Dichlorodifluoromethane (Freon 12)	A	10.0	10.2	0.6171461	0.6316932		2.4	20
1,1-Dichloroethane	A	10.0	10.3	0.9362647	0.9680173		3.4	20
1,2-Dichloroethane	A	10.0	11.5	0.4811448	0.5534398		15.0	20
1,1-Dichloroethylene	A	10.0	11.9	0.800166	0.9503101		18.8	20
cis-1,2-Dichloroethylene	A	10.0	10.8	0.9006016	0.9715737		7.9	20
trans-1,2-Dichloroethylene	A	10.0	11.4	0.7592057	0.8613999		13.5	20
1,2-Dichloropropane	A	10.0	10.5	0.3251199	0.3418617		5.1	20
1,3-Dichloropropane	A	10.0	10.4	0.4460151	0.4618839		3.6	20
2,2-Dichloropropane	A	10.0	10.4	0.7280207	0.758264		4.2	20
1,1-Dichloropropene	A	10.0	10.5	0.6557042	0.6863871		4.7	20
cis-1,3-Dichloropropene	A	10.0	9.72	0.4691948	0.4559444		-2.8	20
trans-1,3-Dichloropropene	A	10.0	9.84	0.4126462	0.4058687		-1.6	20
Diethyl Ether	A	10.0	10.1	0.4047476	0.4093989		1.1	20
Diisopropyl Ether (DIPE)	A	10.0	9.72	2.047278	1.98968		-2.8	20
1,4-Dioxane	A	100	110	3.769316E-03	3.971767E-03		9.8	20
Ethylbenzene	A	10.0	11.3	2.669341	3.016501		13.0	20
Hexachlorobutadiene	A	10.0	10.6	0.415325	0.4383239		5.5	20
2-Hexanone (MBK)	A	100	103	0.3332371	0.3448218		3.5	20
Isopropylbenzene (Cumene)	A	10.0	11.1	2.703899	3.00417		11.1	20
p-Isopropyltoluene (p-Cymene)	A	10.0	10.2	2.418484	2.472544		2.2	20
Methyl Acetate	A	10.0	9.47	0.6735391	0.6379076		-5.3	20
Methyl tert-Butyl Ether (MTBE)	A	10.0	10.1	1.233356	1.243321		0.8	20
Methyl Cyclohexane	A	10.0	10.2	0.5150882	0.5241767		1.8	20
Methylene Chloride	A	10.0	10.4	0.8731688	0.9049004		3.6	20
4-Methyl-2-pentanone (MIBK)	A	100	107	0.4448133	0.476979		7.2	20
Naphthalene	A	10.0	9.21	2.051598	1.889672		-7.9	20
n-Propylbenzene	A	10.0	11.0	3.359447	3.681812		9.6	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSVOA2	Calibration:	2000186
Lab File ID:	B22V10112.D	Calibration Date:	06/09/20 08:37
Sequence:	S070273	Injection Date:	04/11/22
Lab Sample ID:	S070273-CCV1	Injection Time:	11:37

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Styrene	A	10.0	11.2	1.644621	1.833853		11.5	20	
1,1,1,2-Tetrachloroethane	A	10.0	12.0	0.5105569	0.6109296		19.7	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.8	0.7048981	0.7617879		8.1	20	
Tetrachloroethylene	A	10.0	12.6	0.252829	0.3174758		25.6	20	*
Tetrahydrofuran	A	10.0	9.95	0.2085948	0.2076195		-0.5	20	
Toluene	A	10.0	10.8	1.27443	1.37836		8.2	20	
1,2,3-Trichlorobenzene	A	10.0	9.23	0.7546459	0.6964789		-7.7	20	
1,2,4-Trichlorobenzene	A	10.0	10.8	0.8051003	0.8679607		7.8	20	
1,3,5-Trichlorobenzene	A	10.0	10.5	0.9189832	0.9631226		4.8	20	
1,1,1-Trichloroethane	A	10.0	10.9	0.7575683	0.8252368		8.9	20	
1,1,2-Trichloroethane	A	10.0	10.8	0.244339	0.2634404		7.8	20	
Trichloroethylene	A	10.0	11.7	0.2912573	0.3414754		17.2	20	
Trichlorofluoromethane (Freon 11)	A	10.0	10.5	0.7942548	0.8322747		4.8	20	
1,2,3-Trichloropropane	A	10.0	11.5	0.1936737	0.2230716		15.2	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	11.3	0.3852846	0.4346307		12.8	20	
1,2,4-Trimethylbenzene	A	10.0	10.2	2.233447	2.279443		2.1	20	
1,3,5-Trimethylbenzene	A	10.0	11.3	2.295931	2.585838		12.6	20	
Vinyl Chloride	A	10.0	10.4	0.7004293	0.7254701		3.6	20	
m+p Xylene	A	20.0	22.7	2.091175	2.372303		13.4	20	
o-Xylene	A	10.0	11.0	2.147289	2.367424		10.3	20	
1,2-Dichloroethane-d4	A	25.0	21.7	0.7730529	0.6711057		-13.2		
Toluene-d8	A	25.0	23.6	1.254031	1.18561		-5.5		
4-Bromofluorobenzene	A	25.0	24.4	0.9311152	0.908592		-2.4		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10112.D
Acq On : 11 Apr 2022 11:37 am
Operator :
Sample : BFB / 8260 STD 10 PPB 2204075 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 11 12:32:51 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.278	168	80137	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	124252	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	67633	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	75629	30.00	UG/L		-0.01
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44817	21.70	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.80%				
45) TOLUENE-D8 SS	6.427	98	122762	23.64	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.56%				
66) 4-BROMOFLUROBENZENE SS	8.987	95	51209	24.40	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.60%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.124	85	16874	10.24	UG/L		97
4) DIFLUOROCHLOROMETHANE	1.135	51	20879	9.17	UG/L		98
5) CHLOROMETHANE	1.240	50	23487	4.69	UG/L		100
6) VINYL CHLORIDE	1.306	62	19379	10.36	UG/L		99
7) BROMOMETHANE	1.496	94	8633m	19.33	UG/L		
8) CHLOROETHANE	1.564	64	11091	10.81	UG/L		98
9) FLUORODICHLOROMETHANE	1.692	67	23009	8.95	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.729	101	22232	10.48	UG/L		95
11) ETHANOL	1.868	45	2441	93.99	UG/L	#	71
12) DI ETHYL ETHER	1.922	59	10936	10.11	UG/L		98
13) ACROLEIN	2.027	56	35317	92.17	UG/L	#	96
14) ACETONE	2.144	43	58556	103.04	UG/L		99
15) 1,1-DICHLOROETHENE	2.087	61	25385	11.88	UG/L		99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.081	101	11610	11.28	UG/L		97
17) IODOMETHANE	2.209	142	181850	163.59	UG/L		96
18) METHYL ACETATE	2.394	43	17040	9.47	UG/L		98
19) T-BUTYL ALCOHOL	2.590	59	22104	110.76	UG/L		93
20) ACRYLONITRILE	2.721	53	6571	10.49	UG/L		98
21) METHYLENE CHLORIDE	2.477	49	24172	10.36	UG/L		98
22) CARBON DISULFIDE	2.258	76	340796	100.38	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.715	73	33212	10.08	UG/L		97
24) TRANS 1,2-DICHLOROETHENE	2.712	61	23010	11.35	UG/L		98
25) 1,1-DICHLOROETHANE	3.142	63	25858	10.34	UG/L		99
26) VINYL ACETATE	3.201	43	428901	102.51	UG/L		99
27) DI ISOPROPYL ETHER	3.204	45	53149	9.72	UG/L		98
28) 2-BUTANONE	3.770	43	86861	98.03	UG/L		98
29) T-BUTYL ETHYL ETHER	3.582	59	46331	10.03	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.736	61	25953	10.79	UG/L		97
31) 2,2-DICHLOROPROPANE	3.724	77	20255	10.42	UG/L		100
32) ETHYL ACETATE	3.829	43	22062m	11.34	UG/L		
33) BROMOCHLOROMETHANE	3.980	128	6344	12.12	UG/L		97
34) TETRAHYDROFURAN	4.028	42	5546	9.95	UG/L		98
35) T-BUTYL FORMATE	4.116	59	16086	11.29	UG/L	#	94
36) CHLOROFORM	4.062	83	23041	10.22	UG/L		100
37) 1,1,1-TRICHLOROETHANE	4.227	97	22044	10.89	UG/L		98
38) CYCLOHEXANE	4.267	56	30948	10.13	UG/L		99
39) CARBON TETRACHLORIDE	4.383	117	21112	11.58	UG/L		96
40) 1,1-DICHLOROPROPENE	4.392	75	18335	10.47	UG/L		97
41) BENZENE	4.599	78	48617	10.01	UG/L		99
42) T-AMYL ALCOHOL	4.656	59	15647	106.10	UG/L		97
43) T-AMYLMETHYL ETHER	4.722	73	34580	10.29	UG/L		97
46) 1,2-DICHLOROETHANE	4.634	62	22922	11.50	UG/L		95
47) TRICHLOROETHENE	5.236	95	14143	11.72	UG/L		99

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10112.D
Acq On : 11 Apr 2022 11:37 am
Operator :
Sample : BFB / 8260 STD 10 PPB 2204075 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

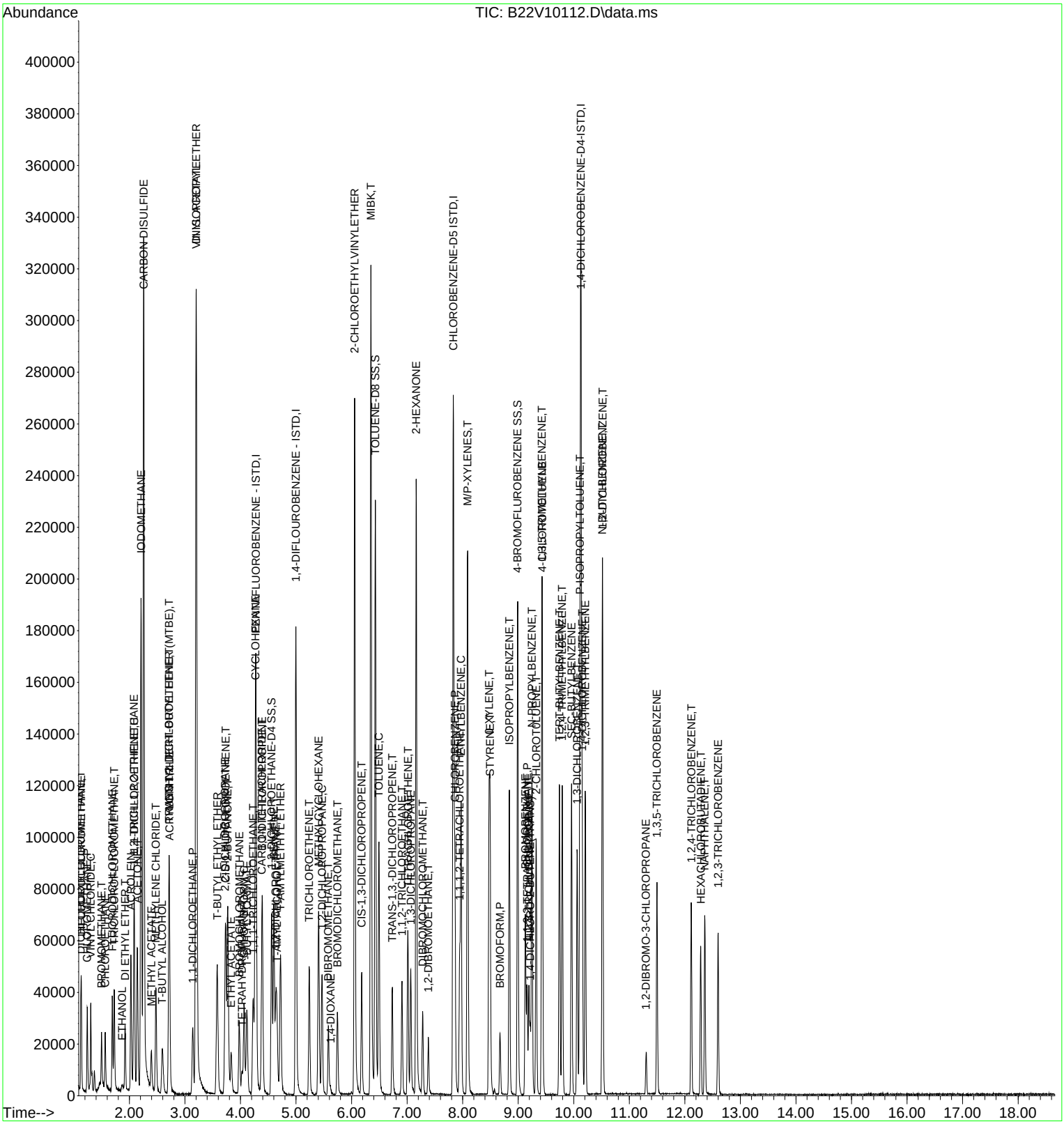
Quant Time: Apr 11 12:32:51 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
48) METHYLCYCLOHEXANE	5.407	83	21710	10.18 UG/L	99
49) 1,2-DICHLOROPROPANE	5.469	63	14159	10.51 UG/L	96
50) DIBROMOMETHANE	5.580	93	8296	11.49 UG/L	95
51) 1,4-DIOXANE	5.623	88	1645	109.78 UG/L #	74
52) BROMODICHLOROMETHANE	5.745	83	17233	10.80 UG/L	98
53) 2-CHLOROETHYLVINYLETHER	6.055	63	92661	289.71 UG/L	98
54) MIBK	6.347	43	197552	107.23 UG/L	99
55) CIS-1,3-DICHLOROPROPENE	6.182	75	18884	9.72 UG/L	98
56) TOLUENE	6.492	91	57088	10.82 UG/L	99
57) TRANS-1,3,-DICHLOROPRO...	6.734	75	16810	9.84 UG/L	97
59) 1,1,2-TRICHLOROETHANE	6.907	97	10911	10.78 UG/L	99
60) 2-HEXANONE	7.163	43	142816	103.48 UG/L	99
61) TETRACHLOROETHENE	7.015	164	13149	12.56 UG/L	98
62) 1,3-DICHLOROPROPANE	7.066	76	19130	10.36 UG/L	95
63) DIBROMOCHLOROMETHANE	7.279	129	13932	11.37 UG/L	99
64) 1,2-DIBROMOETHANE	7.382	107	12459	11.08 UG/L #	96
67) CHLOROBENZENE	7.859	112	39222	11.38 UG/L	97
68) 1,1,1,2-TETRACHLOROETHANE	7.947	131	13773	11.97 UG/L	100
69) ETHYLBENZENE	7.970	91	68005	11.30 UG/L	98
70) M/P-XYLENES	8.089	91	106964	22.69 UG/L	100
71) 0-XYLENE	8.476	91	53372	11.03 UG/L	97
72) STYRENE	8.496	104	41343	11.15 UG/L	98
73) BROMOFORM	8.672	173	10420	12.23 UG/L #	100
74) ISOPROPYLBENZENE	8.840	105	67727	11.11 UG/L	100
76) 1,1,2,2-TETRACHLOROETHANE	9.161	83	17174	10.81 UG/L	98
77) 1,4-DICHLORO-2-BUTENE(...	9.218	53	6052	10.44 UG/L	96
78) BROMOBENZENE	9.127	77	24107	10.93 UG/L	93
79) 1,2,3-TRICHLOROPROPANE	9.192	110	5029	11.52 UG/L	94
80) N-PROPYLBENZENE	9.246	91	83004	10.96 UG/L	98
81) 2-CHLOROT0LUENE	9.323	91	46874	10.80 UG/L	98
82) 1,3,5-TRIMETHYLBENZENE	9.425	105	58296	11.26 UG/L	99
83) 4-CHLOROTOLUENE	9.434	91	56887	11.27 UG/L	99
85) TERT-BUTYLBENZENE	9.743	119	50073	10.33 UG/L	98
86) 1,2,4-TRIMETHYLBENZENE	9.792	105	57464	10.21 UG/L	99
87) SEC-BUTYLBENZENE	9.959	105	70806	9.76 UG/L	99
88) 1,3-DICHLOROBENZENE	10.059	146	34128	10.70 UG/L	98
89) P-ISOPROPYLTOLUENE	10.110	119	62332	10.22 UG/L	98
90) 1,4-DICHLOROBENZENE	10.153	146	35469	10.72 UG/L	97
91) 1,2,3-TRIMETHYLBENZENE	10.207	105	57264	10.40 UG/L #	100
92) N-BUTYLBENZENE	10.514	91	58222	9.90 UG/L	98
93) 1,2-DICHLOROBENZENE	10.519	146	33451	10.98 UG/L	98
94) 1,2-DIBROMO-3-CHLOROPR...	11.301	75	3299	9.65 UG/L	89
95) 1,3,5-TRICHLOROBENZENE	11.497	180	24280	10.48 UG/L	98
96) 1,2,4-TRICHLOROBENZENE	12.116	180	21881	10.78 UG/L	99
97) HEXACHLOROBUTADIENE	12.287	225	11050	10.55 UG/L	97
98) NAPHTHALENE	12.358	128	47638	9.21 UG/L	100
99) 1,2,3-TRICHLOROBENZENE	12.600	180	17558	9.23 UG/L	98

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10112.D
Acq On : 11 Apr 2022 11:37 am
Operator :
Sample : BFB / 8260 STD 10 PPB 2204075 Inst : GCMSVOA2
Misc :
ALS Vial : 12 Sample Multiplier: 1

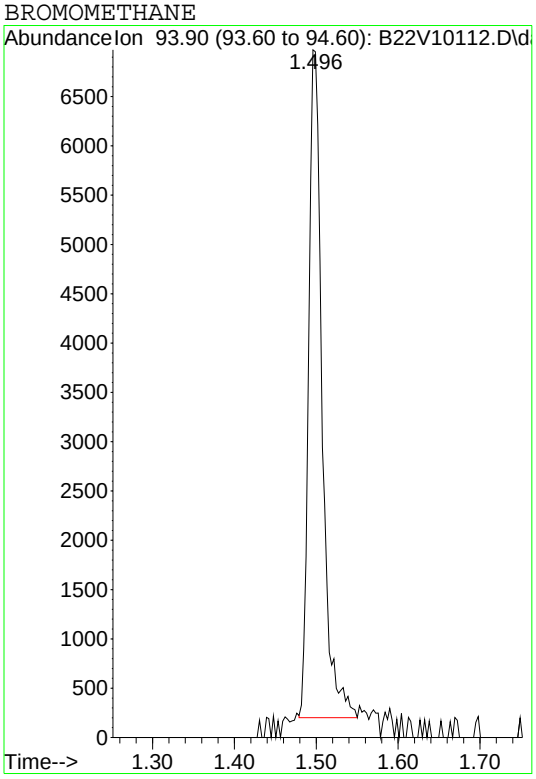
Quant Time: Apr 11 12:32:51 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10112.D
Acq On : 11 Apr 2022 11:37 am
Operator :
Sample : BFB / 8260 STD 10 PPB 2204075
Misc :

Quant Time : Mon Apr 11 12:32:51 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
BROMOMETHANE



Original Int. Results

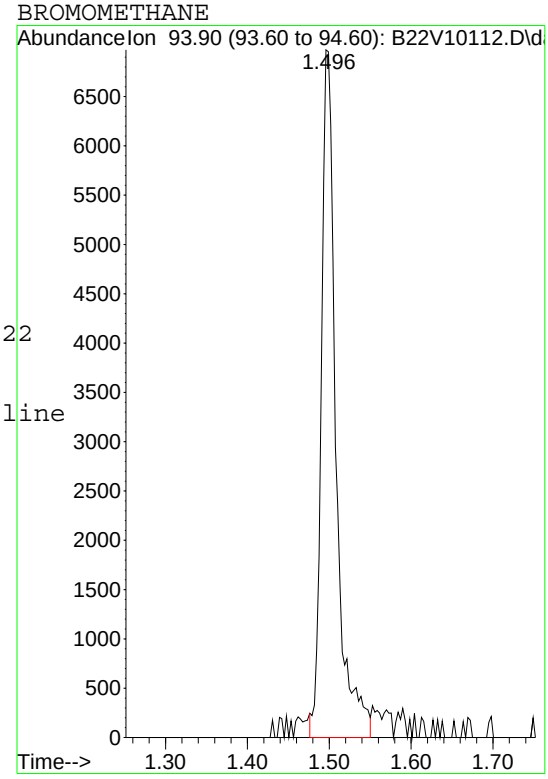
RT : 1.50
Area : 7739
Amount: 17.6548

Manual Int. Results

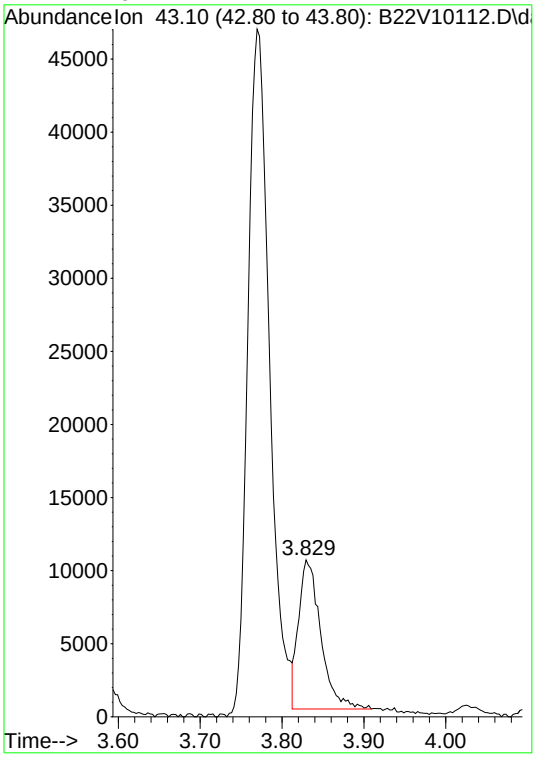
Mon Apr 11 12:32:04 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 8633
Amount: 19.3323

Manual Integration
BROMOMETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

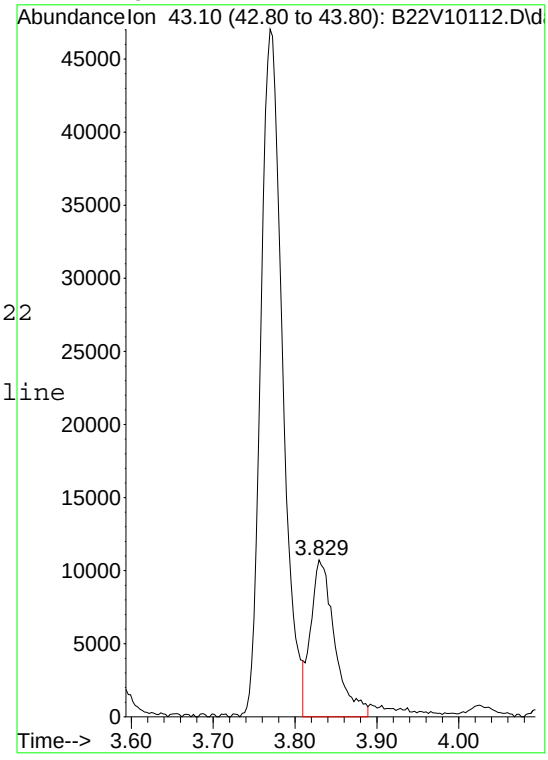
RT : 3.83
Area : 19181
Amount: 9.8629

Manual Int. Results

Mon Apr 11 12:32:23 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.83
Area : 22062
Amount: 11.3443

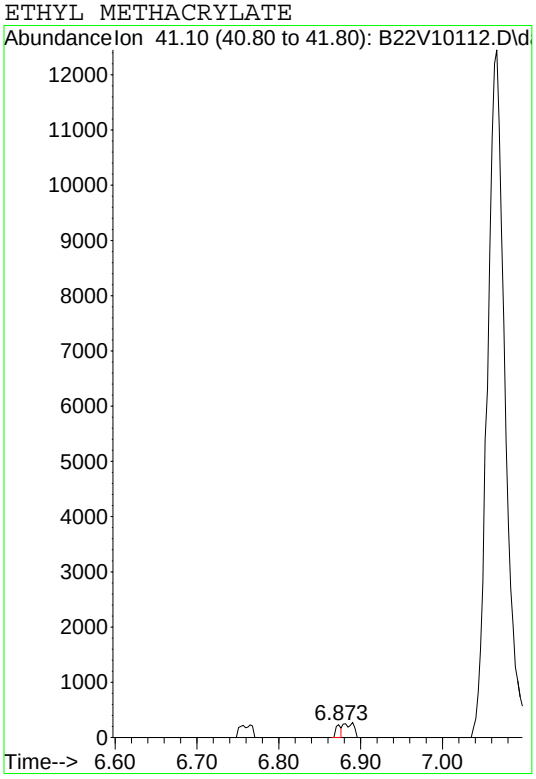
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10112.D
Acq On : 11 Apr 2022 11:37 am
Operator :
Sample : BFB / 8260 STD 10 PPB 2204075
Misc :

Quant Time : Mon Apr 11 12:32:51 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHYL METHACRYLATE



Original Int. Results

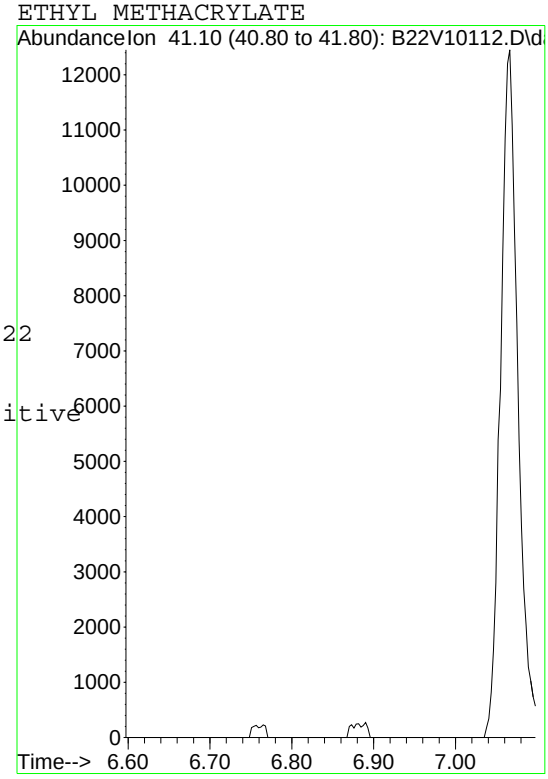
RT : 6.87
Area : 102
Amount: 0

Manual Int. Results

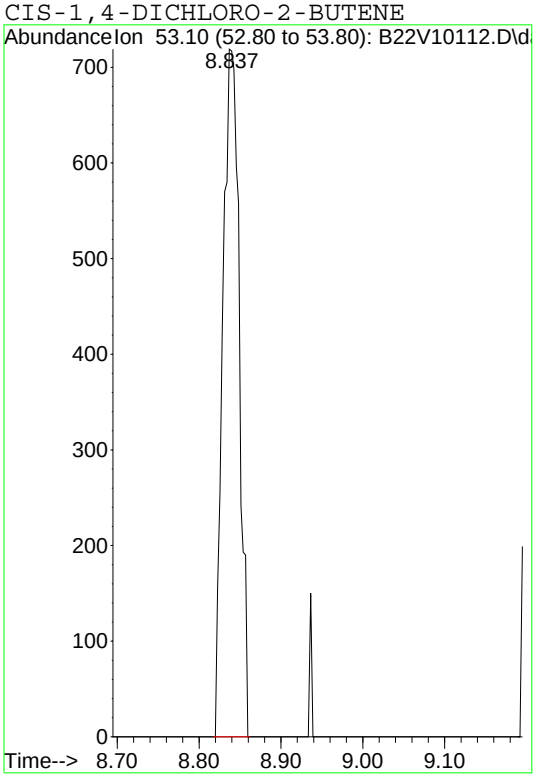
Mon Apr 11 12:32:39 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

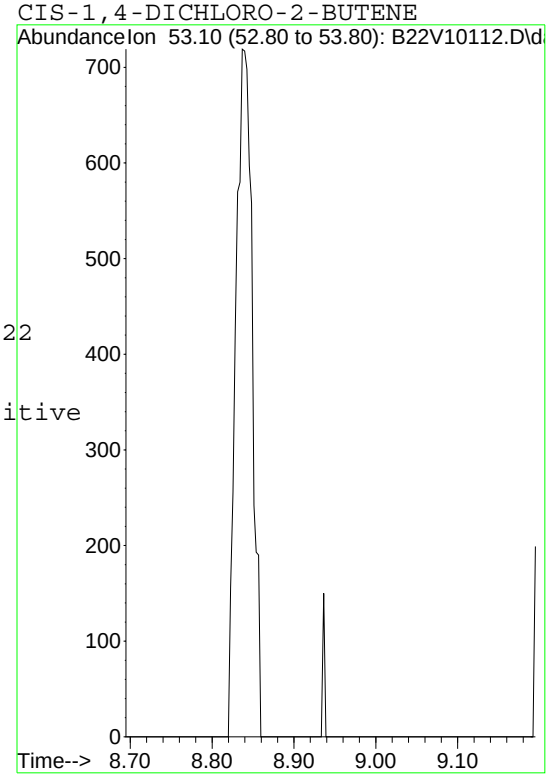
RT : 8.84
Area : 1006
Amount: 0

Manual Int. Results

Mon Apr 11 12:32:49 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070273	Instrument:	GCMSVOA2
		Calibration:	2000186

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070273-CCV1)			*Lab File ID: B22V10112.D*			*Analyzed: 04/11/22 11:37*			
Pentafluorobenzene	80137	4.28	92821	4.287	86	50 - 200	-0.0070	+/-0.50	
1,4-Difluorobenzene	124252	5	150857	5.006	82	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	67633	7.83	83074	7.839	81	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	75629	10.13	85817	10.138	88	50 - 200	-0.0080	+/-0.50	
LCS (B305454-BS1)			*Lab File ID: B22V10113.D*			*Analyzed: 04/11/22 12:03*			
Pentafluorobenzene	78379	4.278	80137	4.28	98	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	124983	4.997	124252	5	101	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	67057	7.831	67633	7.83	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	75097	10.127	75629	10.13	99	50 - 200	-0.0030	+/-0.50	
LCS Dup (B305454-BSD1)			*Lab File ID: B22V10114.D*			*Analyzed: 04/11/22 12:29*			
Pentafluorobenzene	79373	4.278	80137	4.28	99	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	123660	4.997	124252	5	100	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	68486	7.831	67633	7.83	101	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	78804	10.127	75629	10.13	104	50 - 200	-0.0030	+/-0.50	
Blank (B305454-BLK1)			*Lab File ID: B22V10116.D*			*Analyzed: 04/11/22 13:22*			
Pentafluorobenzene	78666	4.278	80137	4.28	98	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	125300	4.997	124252	5	101	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66933	7.831	67633	7.83	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	74136	10.127	75629	10.13	98	50 - 200	-0.0030	+/-0.50	
Trip Blank (22D0541-20)			*Lab File ID: B22V10117.D*			*Analyzed: 04/11/22 13:48*			
Pentafluorobenzene	79649	4.278	80137	4.28	99	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	126892	4.997	124252	5	102	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	69603	7.831	67633	7.83	103	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	76050	10.13	75629	10.13	101	50 - 200	0.0000	+/-0.50	
907017-MW-116S (22D0541-01)			*Lab File ID: B22V10118.D*			*Analyzed: 04/11/22 14:15*			
Pentafluorobenzene	79427	4.278	80137	4.28	99	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	124591	5	124252	5	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	67393	7.828	67633	7.83	100	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	74241	10.127	75629	10.13	98	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070273	Instrument:	GCMSVOA2
		Calibration:	2000186

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-MW-109S (22D0541-02)			*Lab File ID: B22V10119.D*			*Analyzed: 04/11/22 14:41*			
Pentafluorobenzene	79731	4.275	80137	4.28	99	50 - 200	-0.0050	+/-0.50	
1,4-Difluorobenzene	125798	4.997	124252	5	101	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	68189	7.831	67633	7.83	101	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	74857	10.13	75629	10.13	99	50 - 200	0.0000	+/-0.50	
907017-MW-113S (22D0541-03)			*Lab File ID: B22V10120.D*			*Analyzed: 04/11/22 15:07*			
Pentafluorobenzene	80865	4.278	80137	4.28	101	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	127154	4.997	124252	5	102	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	69023	7.831	67633	7.83	102	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	76864	10.127	75629	10.13	102	50 - 200	-0.0030	+/-0.50	
907017-DUP-04062022 (22D0541-04)			*Lab File ID: B22V10121.D*			*Analyzed: 04/11/22 15:34*			
Pentafluorobenzene	78255	4.278	80137	4.28	98	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	123190	4.997	124252	5	99	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	68040	7.831	67633	7.83	101	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	73826	10.127	75629	10.13	98	50 - 200	-0.0030	+/-0.50	
907017-MW-101 (22D0541-05)			*Lab File ID: B22V10122.D*			*Analyzed: 04/11/22 16:00*			
Pentafluorobenzene	77237	4.278	80137	4.28	96	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	121735	4.997	124252	5	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66594	7.831	67633	7.83	98	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	76428	10.127	75629	10.13	101	50 - 200	-0.0030	+/-0.50	
907017-MW-117S (22D0541-06)			*Lab File ID: B22V10123.D*			*Analyzed: 04/11/22 16:26*			
Pentafluorobenzene	77253	4.278	80137	4.28	96	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	121868	4.997	124252	5	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	67612	7.831	67633	7.83	100	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	76789	10.127	75629	10.13	102	50 - 200	-0.0030	+/-0.50	
907017-MW-118S (22D0541-07)			*Lab File ID: B22V10124.D*			*Analyzed: 04/11/22 16:53*			
Pentafluorobenzene	76780	4.278	80137	4.28	96	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	121198	4.997	124252	5	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66603	7.833	67633	7.83	98	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	72592	10.127	75629	10.13	96	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070273	Instrument:	GCMSVOA2
		Calibration:	2000186

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-MW-114S (22D0541-08)			*Lab File ID: B22V10125.D*			*Analyzed: 04/11/22 17:19*			
Pentafluorobenzene	76179	4.278	80137	4.28	95	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	120711	4.997	124252	5	97	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66419	7.831	67633	7.83	98	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	75446	10.127	75629	10.13	100	50 - 200	-0.0030	+/-0.50	
907017-MW-115S (22D0541-09)			*Lab File ID: B22V10126.D*			*Analyzed: 04/11/22 17:45*			
Pentafluorobenzene	75684	4.276	80137	4.28	94	50 - 200	-0.0040	+/-0.50	
1,4-Difluorobenzene	119191	4.997	124252	5	96	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	65874	7.831	67633	7.83	97	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	73927	10.127	75629	10.13	98	50 - 200	-0.0030	+/-0.50	
907017-MW-102I (22D0541-10)			*Lab File ID: B22V10127.D*			*Analyzed: 04/11/22 18:12*			
Pentafluorobenzene	76926	4.278	80137	4.28	96	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	121210	4.997	124252	5	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66623	7.831	67633	7.83	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	72357	10.127	75629	10.13	96	50 - 200	-0.0030	+/-0.50	
907017-MW-102S (22D0541-11)			*Lab File ID: B22V10128.D*			*Analyzed: 04/11/22 18:38*			
Pentafluorobenzene	77637	4.278	80137	4.28	97	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	123725	4.997	124252	5	100	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	67156	7.831	67633	7.83	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	78465	10.127	75629	10.13	104	50 - 200	-0.0030	+/-0.50	
907017-MW-117D (22D0541-12)			*Lab File ID: B22V10129.D*			*Analyzed: 04/11/22 19:04*			
Pentafluorobenzene	76477	4.278	80137	4.28	95	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	122633	4.997	124252	5	99	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66351	7.831	67633	7.83	98	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	75834	10.127	75629	10.13	100	50 - 200	-0.0030	+/-0.50	
907017-MW-117I (22D0541-13)			*Lab File ID: B22V10130.D*			*Analyzed: 04/11/22 19:31*			
Pentafluorobenzene	77134	4.278	80137	4.28	96	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	122518	4.997	124252	5	99	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	67264	7.831	67633	7.83	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	76880	10.127	75629	10.13	102	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070273	Instrument:	GCMSVOA2
		Calibration:	2000186

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-MW-109I (22D0541-14)			*Lab File ID: B22V10131.D*			*Analyzed: 04/11/22 19:57*			
Pentafluorobenzene	74989	4.278	80137	4.28	94	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	119043	4.997	124252	5	96	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	65337	7.831	67633	7.83	97	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	74945	10.127	75629	10.13	99	50 - 200	-0.0030	+/-0.50	
907017-MW-109D (22D0541-15)			*Lab File ID: B22V10132.D*			*Analyzed: 04/11/22 20:23*			
Pentafluorobenzene	76328	4.278	80137	4.28	95	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	122139	4.997	124252	5	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66242	7.831	67633	7.83	98	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	71792	10.127	75629	10.13	95	50 - 200	-0.0030	+/-0.50	
907017-RB-04052022 (22D0541-16)			*Lab File ID: B22V10133.D*			*Analyzed: 04/11/22 20:49*			
Pentafluorobenzene	76135	4.278	80137	4.28	95	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	120348	4.997	124252	5	97	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	65699	7.831	67633	7.83	97	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	71750	10.127	75629	10.13	95	50 - 200	-0.0030	+/-0.50	
907017-FB-04052022 (22D0541-17)			*Lab File ID: B22V10134.D*			*Analyzed: 04/11/22 21:16*			
Pentafluorobenzene	75081	4.278	80137	4.28	94	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	119768	5	124252	5	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	65240	7.831	67633	7.83	96	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	71009	10.13	75629	10.13	94	50 - 200	0.0000	+/-0.50	
907017-RB-04062022 (22D0541-18)			*Lab File ID: B22V10135.D*			*Analyzed: 04/11/22 21:42*			
Pentafluorobenzene	81665	4.278	80137	4.28	102	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	125288	4.997	124252	5	101	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	65712	7.828	67633	7.83	97	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	71643	10.127	75629	10.13	95	50 - 200	-0.0030	+/-0.50	
907017-FB-04062022 (22D0541-19)			*Lab File ID: B22V10136.D*			*Analyzed: 04/11/22 22:08*			
Pentafluorobenzene	78618	4.278	80137	4.28	98	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	122612	4.997	124252	5	99	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	66621	7.831	67633	7.83	99	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	72236	10.127	75629	10.13	96	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070273	Instrument:	GCMSVOA2
		Calibration:	2000186

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B305454-MS1)			*Lab File ID: B22V10137.D*			*Analyzed: 04/11/22 22:35*			
Pentafluorobenzene	79929	4.278	80137	4.28	100	50 - 200	-0.0020	+/-0.50	
1,4-Difluorobenzene	122284	4.997	124252	5	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	65778	7.831	67633	7.83	97	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	74226	10.127	75629	10.13	98	50 - 200	-0.0030	+/-0.50	
Matrix Spike Dup (B305454-MSD1)			*Lab File ID: B22V10138.D*			*Analyzed: 04/11/22 23:01*			
Pentafluorobenzene	79919	4.276	80137	4.28	100	50 - 200	-0.0040	+/-0.50	
1,4-Difluorobenzene	124191	4.997	124252	5	100	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	67523	7.831	67633	7.83	100	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	75548	10.127	75629	10.13	100	50 - 200	-0.0030	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BLK1	File ID:	B22V10116.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 13:22
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2.0	50	
107-13-1	Acrylonitrile		0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.14	0.50	
71-43-2	Benzene		0.20	1.0	
108-86-1	Bromobenzene		0.15	1.0	
74-97-5	Bromochloromethane		0.31	1.0	
75-27-4	Bromodichloromethane		0.18	0.50	
75-25-2	Bromoform		0.38	1.0	
74-83-9	Bromomethane		1.5	2.0	V-34
78-93-3	2-Butanone (MEK)		1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)		4.7	20	
104-51-8	n-Butylbenzene		0.15	1.0	
135-98-8	sec-Butylbenzene		0.11	1.0	
98-06-6	tert-Butylbenzene		0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	0.50	
75-15-0	Carbon Disulfide		1.4	5.0	
56-23-5	Carbon Tetrachloride		0.16	5.0	
108-90-7	Chlorobenzene		0.11	1.0	
124-48-1	Chlorodibromomethane		0.22	0.50	
75-00-3	Chloroethane		0.32	2.0	
67-66-3	Chloroform		0.17	2.0	
74-87-3	Chloromethane		0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene		0.11	1.0	
106-43-4	4-Chlorotoluene		0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.50	
74-95-3	Dibromomethane		0.35	1.0	
95-50-1	1,2-Dichlorobenzene		0.12	1.0	
541-73-1	1,3-Dichlorobenzene		0.12	1.0	
106-46-7	1,4-Dichlorobenzene		0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BLK1	File ID:	B22V10116.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 13:22
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene		1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.19	2.0	
75-34-3	1,1-Dichloroethane		0.14	1.0	
107-06-2	1,2-Dichloroethane		0.31	1.0	
75-35-4	1,1-Dichloroethylene		0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.17	1.0	
78-87-5	1,2-Dichloropropane		0.18	1.0	
142-28-9	1,3-Dichloropropane		0.13	0.50	
594-20-7	2,2-Dichloropropane		0.33	1.0	
563-58-6	1,1-Dichloropropene		0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.17	0.50	
60-29-7	Diethyl Ether		0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.13	0.50	
123-91-1	1,4-Dioxane		21	50	
100-41-4	Ethylbenzene		0.21	1.0	
87-68-3	Hexachlorobutadiene		0.46	0.60	
591-78-6	2-Hexanone (MBK)		1.1	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.097	1.0	
79-20-9	Methyl Acetate		0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.17	1.0	
108-87-2	Methyl Cyclohexane		0.24	1.0	
75-09-2	Methylene Chloride		0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.3	10	
91-20-3	Naphthalene		0.24	2.0	
103-65-1	n-Propylbenzene		0.086	1.0	
100-42-5	Styrene		0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BLK1	File ID:	B22V10116.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 13:22
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane		0.13	0.50	
127-18-4	Tetrachloroethylene		0.19	1.0	
109-99-9	Tetrahydrofuran		0.49	10	
108-88-3	Toluene		0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.21	1.0	
71-55-6	1,1,1-Trichloroethane		0.17	1.0	
79-00-5	1,1,2-Trichloroethane		0.18	1.0	
79-01-6	Trichloroethylene		0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.18	2.0	
96-18-4	1,2,3-Trichloropropane		0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.11	1.0	
75-01-4	Vinyl Chloride		0.21	2.0	
108383/106423	m+p Xylene		0.46	2.0	
95-47-6	o-Xylene		0.23	1.0	

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10116.D
Acq On : 11 Apr 2022 1:22 pm
Operator :
Sample : B0-BLK1 Inst : GCMSVOA2
Misc :
ALS Vial : 16 Sample Multiplier: 1

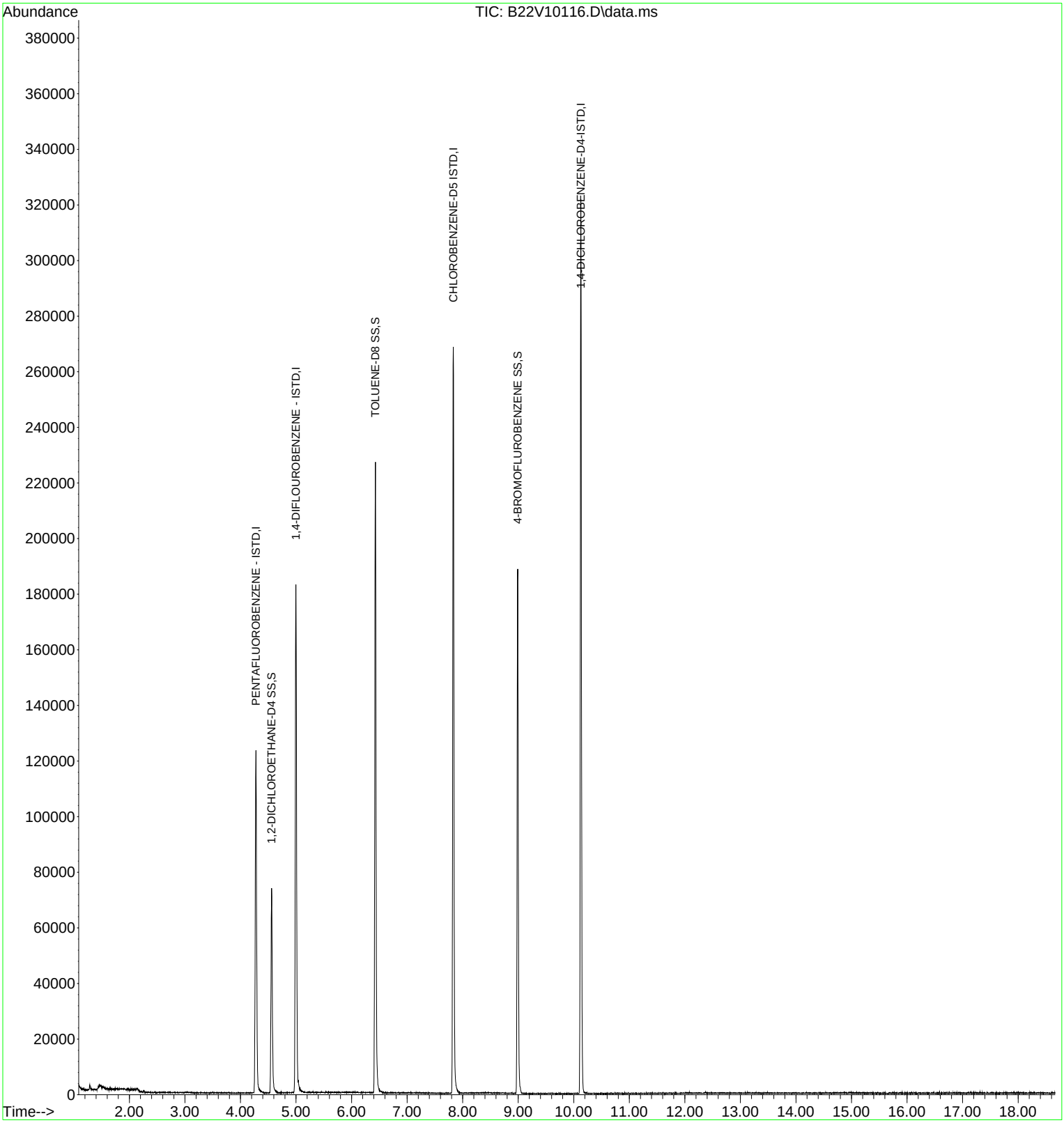
Quant Time: Apr 11 15:12:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) PENTAFLUOROBENZENE - ISTD	4.278	168	78666	30.00	UG/L	0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	125300	30.00	UG/L	0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	66933	30.00	UG/L	0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	74136	30.00	UG/L	-0.01
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	46770	23.07	UG/L	-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.28%			
45) TOLUENE-D8 SS	6.430	98	123075	23.50	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.00%			
66) 4-BROMOFLUROBENZENE SS	8.990	95	51419	24.75	UG/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.00%			
Target Compounds						Qvalue

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10116.D
Acq On : 11 Apr 2022 1:22 pm
Operator :
Sample : B0-BLK1 Inst : GCMSVOA2
Misc :
ALS Vial : 16 Sample Multiplier: 1

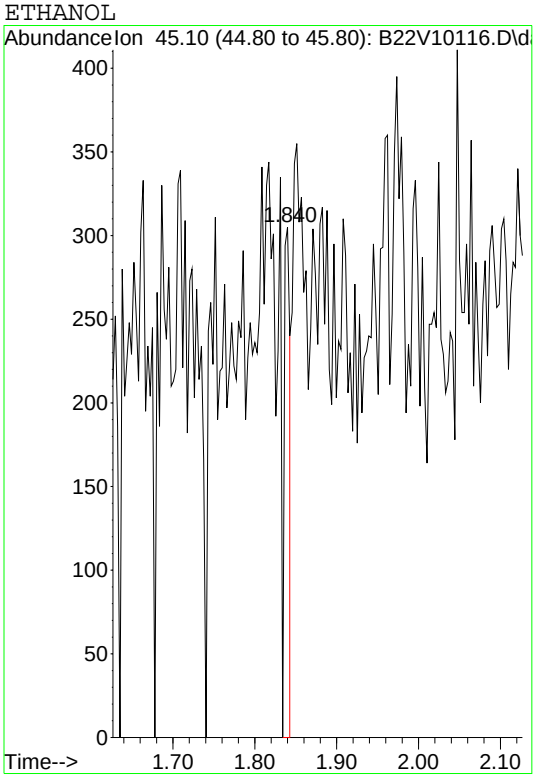
Quant Time: Apr 11 15:12:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10116.D
Acq On : 11 Apr 2022 1:22 pm
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Mon Apr 11 15:12:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

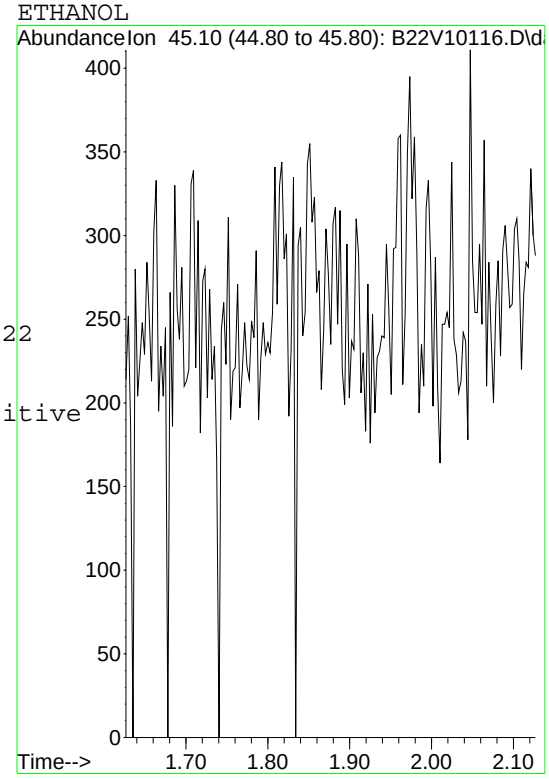
RT : 1.84
Area : 143
Amount: 5.60928

Manual Int. Results

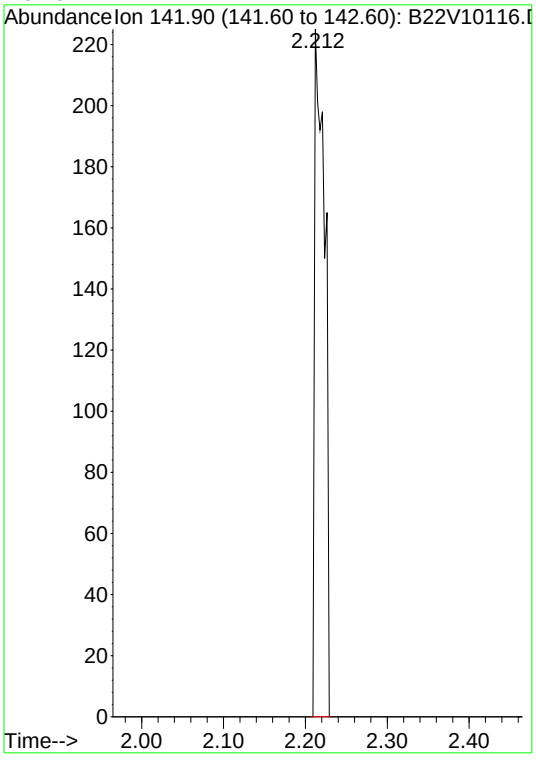
Mon Apr 11 15:12:16 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHANOL



Original Integration
IODOMETHANE



Original Int. Results

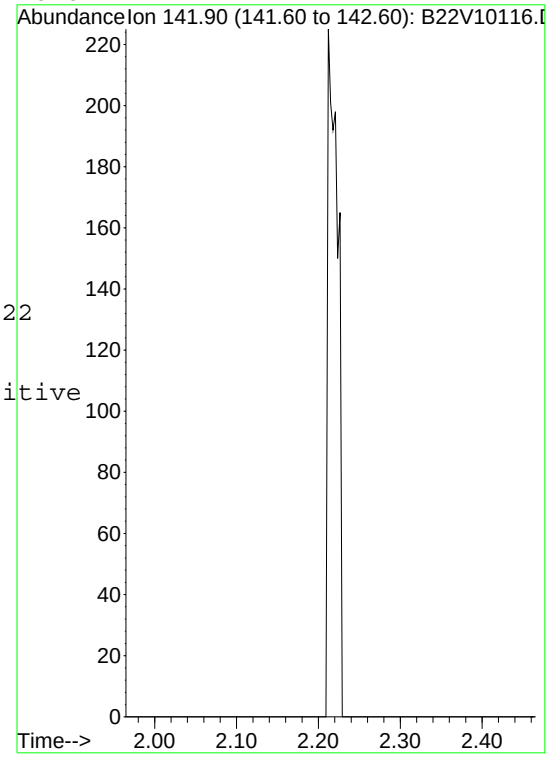
RT : 2.21
Area : 193
Amount: 6.32876

Manual Int. Results

Mon Apr 11 15:12:22 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

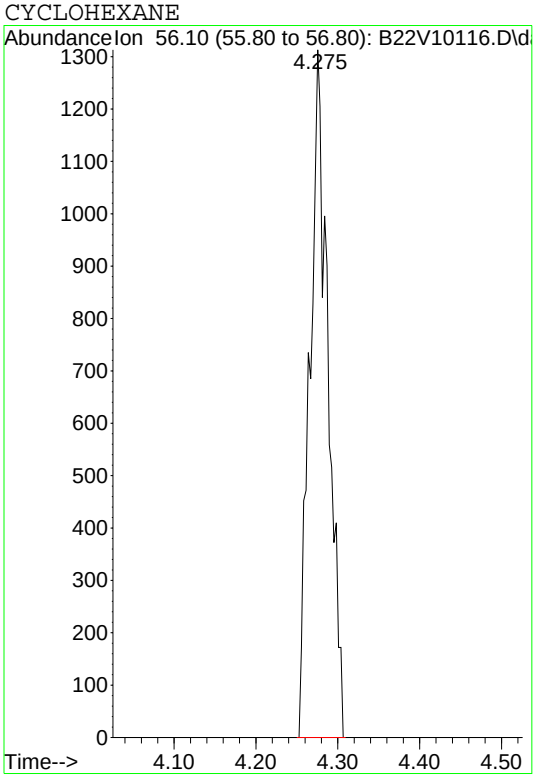
Manual Integration
IODOMETHANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10116.D
Acq On : 11 Apr 2022 1:22 pm
Operator :
Sample : B0-BLK1
Misc :

Quant Time : Mon Apr 11 15:12:43 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CYCLOHEXANE



Original Int. Results

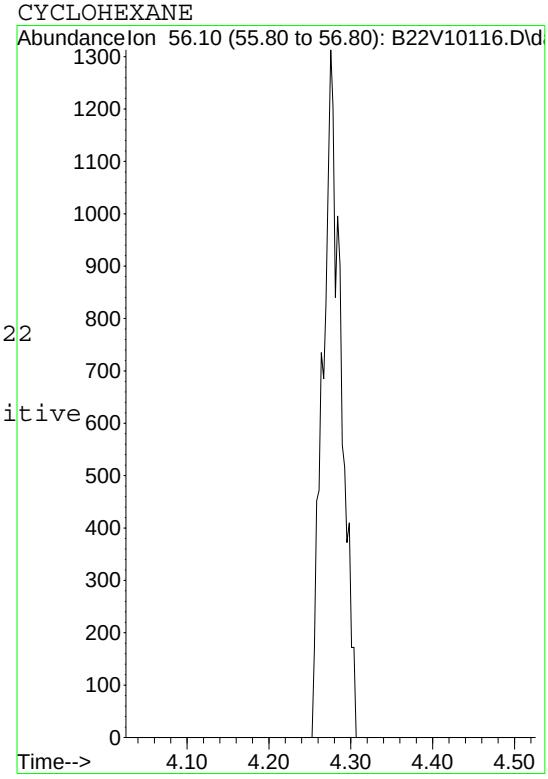
RT : 4.28
Area : 2025
Amount: 0.675497

Manual Int. Results

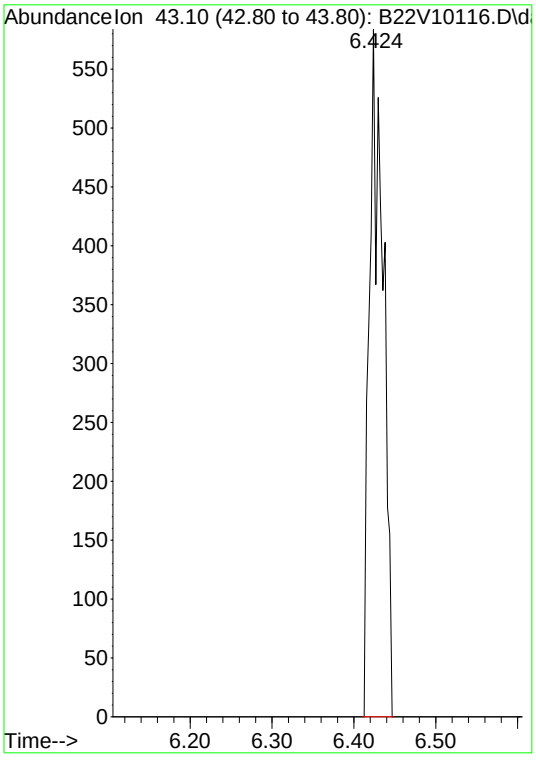
Mon Apr 11 15:12:33 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CYCLOHEXANE



Original Integration
MIBK



Original Int. Results

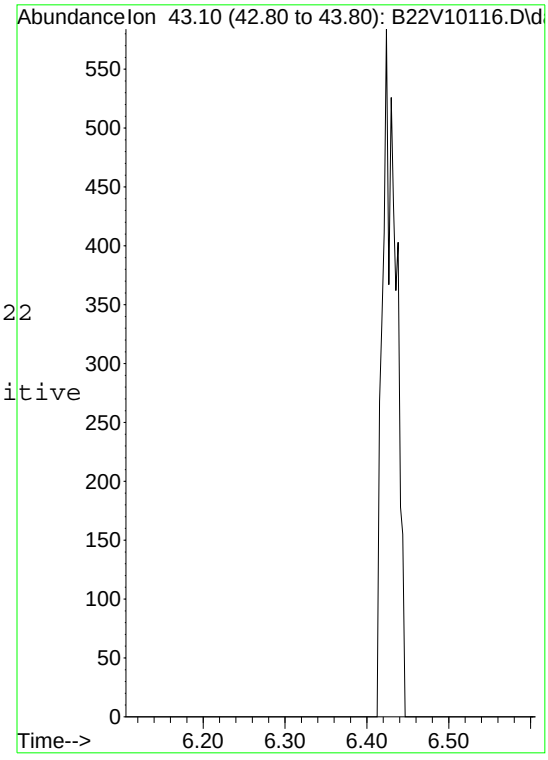
RT : 6.42
Area : 686
Amount: 0.369247

Manual Int. Results

Mon Apr 11 15:12:42 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
MIBK



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BS1	File ID:	B22V10113.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 12:03
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	103	2.0	50	
107-13-1	Acrylonitrile	11.0	0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	10.5	0.14	0.50	
71-43-2	Benzene	10.1	0.20	1.0	
108-86-1	Bromobenzene	10.8	0.15	1.0	
74-97-5	Bromochloromethane	12.9	0.31	1.0	V-20
75-27-4	Bromodichloromethane	10.4	0.18	0.50	
75-25-2	Bromoform	12.2	0.38	1.0	V-20
74-83-9	Bromomethane	18.5	1.5	2.0	L-02, V-20, V-34
78-93-3	2-Butanone (MEK)	100	1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)	110	4.7	20	
104-51-8	n-Butylbenzene	9.94	0.15	1.0	
135-98-8	sec-Butylbenzene	9.60	0.11	1.0	
98-06-6	tert-Butylbenzene	10.1	0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	10.0	0.15	0.50	
75-15-0	Carbon Disulfide	102	1.4	5.0	
56-23-5	Carbon Tetrachloride	11.5	0.16	5.0	
108-90-7	Chlorobenzene	11.4	0.11	1.0	
124-48-1	Chlorodibromomethane	11.2	0.22	0.50	
75-00-3	Chloroethane	11.2	0.32	2.0	
67-66-3	Chloroform	10.6	0.17	2.0	
74-87-3	Chloromethane	4.70	0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene	10.9	0.11	1.0	
106-43-4	4-Chlorotoluene	11.0	0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	9.79	0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.7	0.17	0.50	
74-95-3	Dibromomethane	11.4	0.35	1.0	
95-50-1	1,2-Dichlorobenzene	11.1	0.12	1.0	
541-73-1	1,3-Dichlorobenzene	10.4	0.12	1.0	
106-46-7	1,4-Dichlorobenzene	10.5	0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BS1	File ID:	B22V10113.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 12:03
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene	10.5	1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	9.91	0.19	2.0	
75-34-3	1,1-Dichloroethane	10.6	0.14	1.0	
107-06-2	1,2-Dichloroethane	11.2	0.31	1.0	
75-35-4	1,1-Dichloroethylene	11.8	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	11.0	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	11.6	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.6	0.18	1.0	
142-28-9	1,3-Dichloropropane	10.3	0.13	0.50	
594-20-7	2,2-Dichloropropane	10.3	0.33	1.0	
563-58-6	1,1-Dichloropropene	10.6	0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene	9.73	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.60	0.17	0.50	
60-29-7	Diethyl Ether	10.6	0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)	10.2	0.13	0.50	
123-91-1	1,4-Dioxane	104	21	50	
100-41-4	Ethylbenzene	11.1	0.21	1.0	
87-68-3	Hexachlorobutadiene	9.96	0.46	0.60	
591-78-6	2-Hexanone (MBK)	104	1.1	10	
98-82-8	Isopropylbenzene (Cumene)	11.2	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	10.0	0.097	1.0	
79-20-9	Methyl Acetate	9.65	0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	10.5	0.17	1.0	
108-87-2	Methyl Cyclohexane	10.0	0.24	1.0	
75-09-2	Methylene Chloride	10.4	0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	107	1.3	10	
91-20-3	Naphthalene	8.74	0.24	2.0	
103-65-1	n-Propylbenzene	11.0	0.086	1.0	
100-42-5	Styrene	11.3	0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	11.9	0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BS1	File ID:	B22V10113.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 12:03
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	10.6	0.13	0.50	
127-18-4	Tetrachloroethylene	12.0	0.19	1.0	V-20
109-99-9	Tetrahydrofuran	10.5	0.49	10	
108-88-3	Toluene	10.7	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	9.23	0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene	10.1	0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene	10.3	0.21	1.0	
71-55-6	1,1,1-Trichloroethane	11.1	0.17	1.0	
79-00-5	1,1,2-Trichloroethane	10.8	0.18	1.0	
79-01-6	Trichloroethylene	11.0	0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.6	0.18	2.0	
96-18-4	1,2,3-Trichloropropane	11.6	0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	11.3	0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene	10.2	0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene	11.4	0.11	1.0	
75-01-4	Vinyl Chloride	10.6	0.21	2.0	
108383/106423	m+p Xylene	22.9	0.46	2.0	
95-47-6	o-Xylene	11.0	0.23	1.0	

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10113.D
Acq On : 11 Apr 2022 12:03 pm
Operator :
Sample : B0-BS1 @ RCP Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1

500

Quant Time: Apr 11 12:39:36 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.278	168	78379	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	124983	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	67057	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	75097	30.00	UG/L		-0.01
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.557	65	45143	22.35	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 89.40%				
45) TOLUENE-D8 SS	6.427	98	120938	23.15	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 92.60%				
66) 4-BROMOFLUROBENZENE SS	8.990	95	51100	24.55	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.20%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.124	85	15978	9.91	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.135	51	20562	9.24	UG/L		99
5) CHLOROMETHANE	1.240	50	23020	4.70	UG/L		97
6) VINYL CHLORIDE	1.303	62	19354	10.58	UG/L		98
7) BROMOMETHANE	1.496	94	8010m	18.50	UG/L		
8) CHLOROETHANE	1.561	64	11242	11.21	UG/L		96
9) FLUORODICHLOROMETHANE	1.692	67	23445	9.33	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.726	101	21904	10.56	UG/L		93
11) ETHANOL	1.865	45	2300	90.55	UG/L	#	53
12) DI ETHYL ETHER	1.922	59	11222	10.61	UG/L		97
13) ACROLEIN	2.027	56	35332	94.28	UG/L	#	95
14) ACETONE	2.141	43	57468	103.40	UG/L		98
15) 1,1-DICHLOROETHENE	2.087	61	24688	11.81	UG/L		98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.081	101	11384	11.31	UG/L		97
17) IODOMETHANE	2.209	142	181249	166.59	UG/L		94
18) METHYL ACETATE	2.397	43	16988	9.65	UG/L		99
19) T-BUTYL ALCOHOL	2.596	59	21511	110.20	UG/L		94
20) ACRYLONITRILE	2.715	53	6722	10.97	UG/L		99
21) METHYLENE CHLORIDE	2.477	49	23833	10.45	UG/L		98
22) CARBON DISULFIDE	2.255	76	339456	102.23	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.718	73	33929	10.53	UG/L		100
24) TRANS 1,2-DICHLOROETHENE	2.715	61	22940	11.57	UG/L		97
25) 1,1-DICHLOROETHANE	3.142	63	25896	10.59	UG/L		98
26) VINYL ACETATE	3.201	43	425734	104.03	UG/L		99
27) DI ISOPROPYL ETHER	3.204	45	54337	10.16	UG/L		100
28) 2-BUTANONE	3.770	43	86788	100.14	UG/L		98
29) T-BUTYL ETHYL ETHER	3.579	59	45374	10.05	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.733	61	25898	11.01	UG/L		96
31) 2,2-DICHLOROPROPANE	3.724	77	19622	10.32	UG/L		100
32) ETHYL ACETATE	3.829	43	22382m	11.77	UG/L		
33) BROMOCHLOROMETHANE	3.977	128	6622	12.93	UG/L		90
34) TETRAHYDROFURAN	4.025	42	5699	10.46	UG/L		97
35) T-BUTYL FORMATE	4.113	59	15842	11.36	UG/L		96
36) CHLOROFORM	4.065	83	23443	10.63	UG/L		99
37) 1,1,1-TRICHLOROETHANE	4.230	97	21886	11.06	UG/L		97
38) CYCLOHEXANE	4.267	56	30087	10.07	UG/L		99
39) CARBON TETRACHLORIDE	4.386	117	20529	11.52	UG/L		98
40) 1,1-DICHLOROPROPENE	4.392	75	18215	10.63	UG/L		99
41) BENZENE	4.599	78	48084	10.13	UG/L		98
42) T-AMYL ALCOHOL	4.653	59	15562	107.89	UG/L		96
43) T-AMYLMETHYL ETHER	4.722	73	34463m	10.48	UG/L		
46) 1,2-DICHLOROETHANE	4.636	62	22403	11.18	UG/L		100
47) TRICHLOROETHENE	5.236	95	13382	11.03	UG/L		91

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10113.D
Acq On : 11 Apr 2022 12:03 pm
Operator :
Sample : B0-BS1 @ RCP Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1

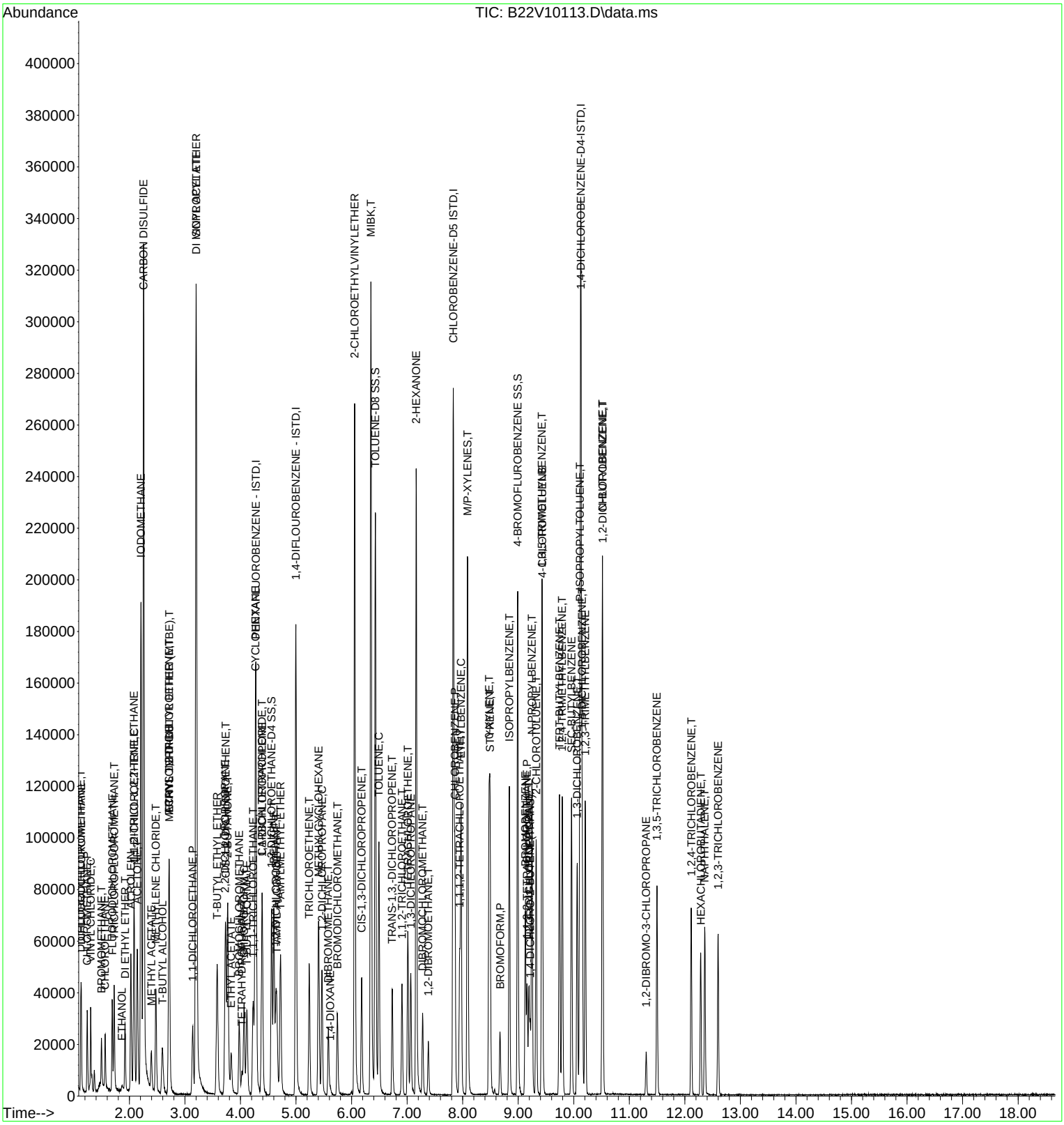
Quant Time: Apr 11 12:39:36 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.407	83	21488	10.01 UG/L		99
49) 1,2-DICHLOROPROPANE	5.469	63	14430	10.65 UG/L		94
50) DIBROMOMETHANE	5.580	93	8308	11.44 UG/L		94
51) 1,4-DIOXANE	5.614	88	1555	103.99 UG/L	#	77
52) BROMODICHLOROMETHANE	5.745	83	16769	10.45 UG/L		99
53) 2-CHLOROETHYLVINYLETHER	6.055	63	92757	288.31 UG/L		98
54) MIBK	6.347	43	198989	107.38 UG/L		99
55) CIS-1,3-DICHLOROPROPENE	6.182	75	19017	9.73 UG/L		99
56) TOLUENE	6.492	91	56783	10.69 UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.731	75	16498	9.60 UG/L		99
59) 1,1,2-TRICHLOROETHANE	6.907	97	10946	10.75 UG/L		97
60) 2-HEXANONE	7.163	43	144261	103.91 UG/L		99
61) TETRACHLOROETHENE	7.012	164	12664	12.02 UG/L		97
62) 1,3-DICHLOROPROPANE	7.066	76	19205	10.34 UG/L		97
63) DIBROMOCHLOROMETHANE	7.277	129	13867	11.25 UG/L		98
64) 1,2-DIBROMOETHANE	7.382	107	12057	10.66 UG/L	#	99
67) CHLOROBENZENE	7.859	112	39040	11.43 UG/L		97
68) 1,1,1,2-TETRACHLOROETHANE	7.944	131	13610	11.93 UG/L		99
69) ETHYLBENZENE	7.970	91	66401	11.13 UG/L		98
70) M/P-XYLENES	8.089	91	107115	22.92 UG/L		99
71) 0-XYLENE	8.476	91	52562	10.95 UG/L		99
72) STYRENE	8.493	104	41406	11.26 UG/L		96
73) BROMOFORM	8.675	173	10283	12.17 UG/L	#	99
74) ISOPROPYLBENZENE	8.840	105	67440	11.16 UG/L		99
76) 1,1,2,2-TETRACHLOROETHANE	9.158	83	16749	10.63 UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.218	53	6046	10.52 UG/L		95
78) BROMOBENZENE	9.127	77	23633	10.81 UG/L		90
79) 1,2,3-TRICHLOROPROPANE	9.195	110	5011	11.58 UG/L		99
80) N-PROPYLBENZENE	9.246	91	82298	10.96 UG/L		99
81) 2-CHLOROT0LUENE	9.323	91	46826	10.88 UG/L		97
82) 1,3,5-TRIMETHYLBENZENE	9.425	105	58261	11.35 UG/L		99
83) 4-CHLOROTOLUENE	9.434	91	55010	10.99 UG/L		97
85) TERT-BUTYLBENZENE	9.743	119	48466	10.07 UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.792	105	57262	10.24 UG/L		99
87) SEC-BUTYLBENZENE	9.959	105	69148	9.60 UG/L		97
88) 1,3-DICHLOROBENZENE	10.062	146	33102	10.45 UG/L		100
89) P-ISOPROPYLTOLUENE	10.110	119	60807	10.04 UG/L		99
90) 1,4-DICHLOROBENZENE	10.150	146	34592	10.53 UG/L		98
91) 1,2,3-TRIMETHYLBENZENE	10.207	105	56259	10.29 UG/L	#	100
92) N-BUTYLBENZENE	10.516	91	57993	9.94 UG/L		99
93) 1,2-DICHLOROBENZENE	10.519	146	33643	11.12 UG/L		98
94) 1,2-DIBROMO-3-CHLOROPR...	11.304	75	3325	9.79 UG/L		89
95) 1,3,5-TRICHLOROBENZENE	11.497	180	23625	10.27 UG/L		99
96) 1,2,4-TRICHLOROBENZENE	12.116	180	20335	10.09 UG/L		97
97) HEXACHLOROBUTADIENE	12.290	225	10358	9.96 UG/L		99
98) NAPHTHALENE	12.358	128	44890	8.74 UG/L		100
99) 1,2,3-TRICHLOROBENZENE	12.600	180	17443	9.23 UG/L		100

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10113.D
Acq On : 11 Apr 2022 12:03 pm
Operator :
Sample : B0-BS1 @ RCP Inst : GCMSVOA2
Misc :
ALS Vial : 13 Sample Multiplier: 1

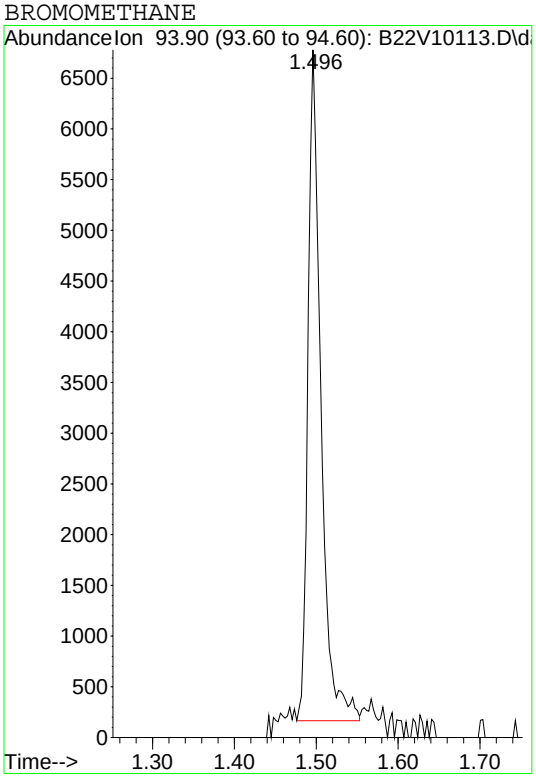
Quant Time: Apr 11 12:39:36 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10113.D
Acq On : 11 Apr 2022 12:03 pm
Operator :
Sample : B0-BS1 @ RCP
Misc :

Quant Time : Mon Apr 11 12:39:36 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
BROMOMETHANE



Original Int. Results

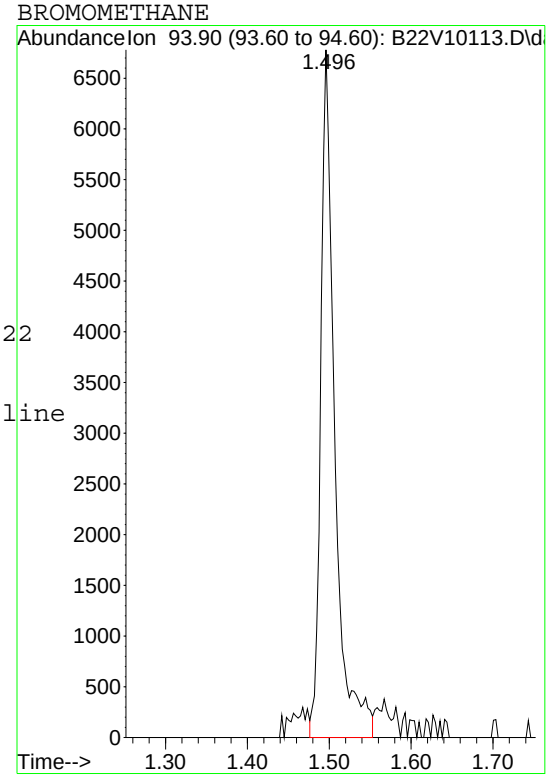
RT : 1.50
Area : 7250
Amount: 17.0424

Manual Int. Results

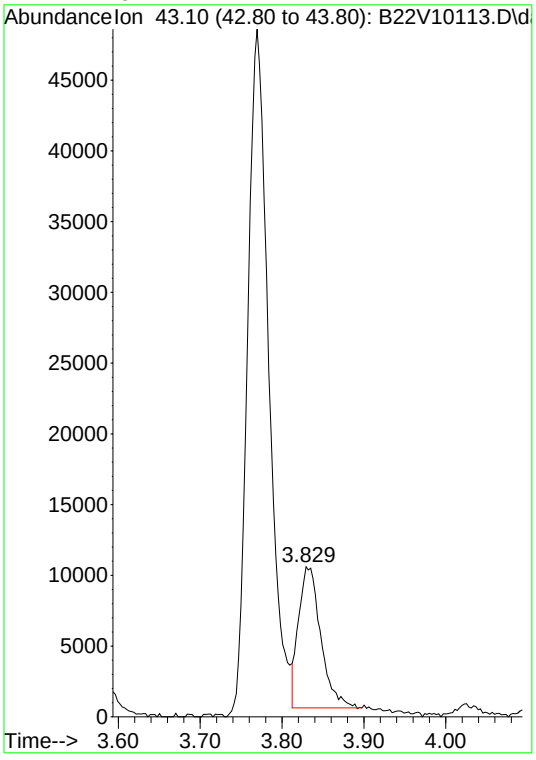
Mon Apr 11 12:38:41 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 8010
Amount: 18.5004

Manual Integration
BROMOMETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

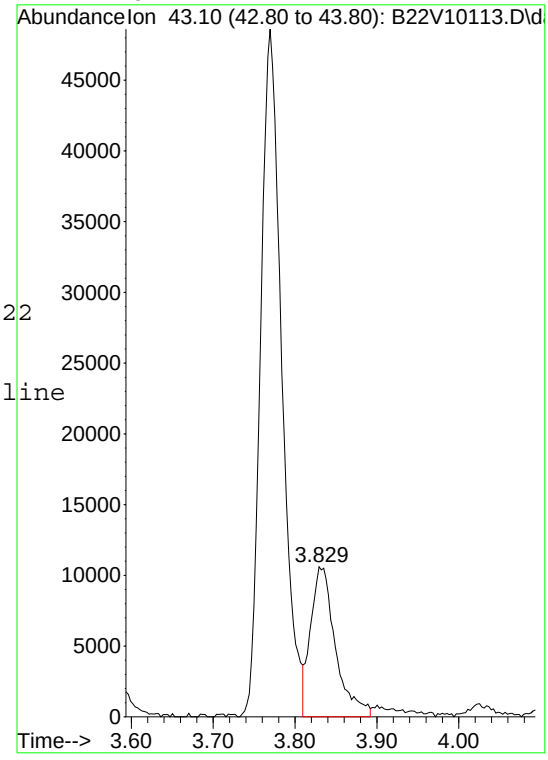
RT : 3.83
Area : 18705
Amount: 9.83387

Manual Int. Results

Mon Apr 11 12:39:06 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.83
Area : 22382
Amount: 11.767

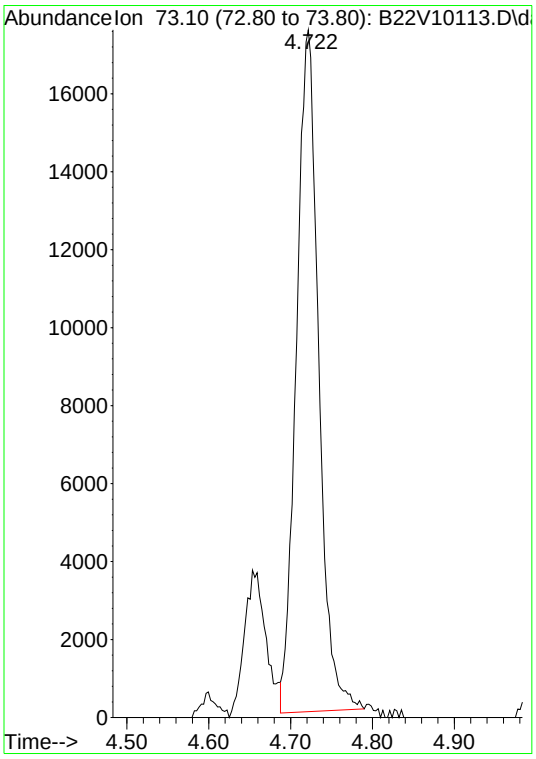
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10113.D
Acq On : 11 Apr 2022 12:03 pm
Operator :
Sample : B0-BS1 @ RCP
Misc :

Quant Time : Mon Apr 11 12:39:36 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
T-AMYLMETHYL ETHER



Original Int. Results

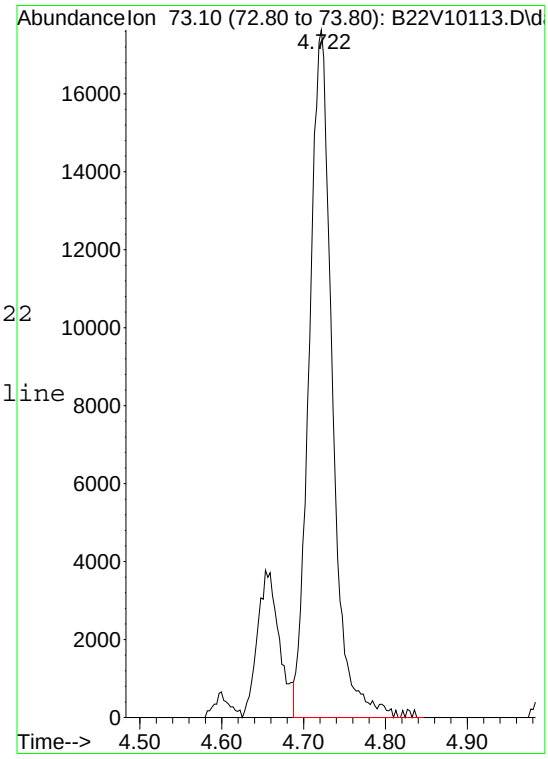
RT : 4.72
Area : 33009
Amount: 10.0396

Manual Int. Results

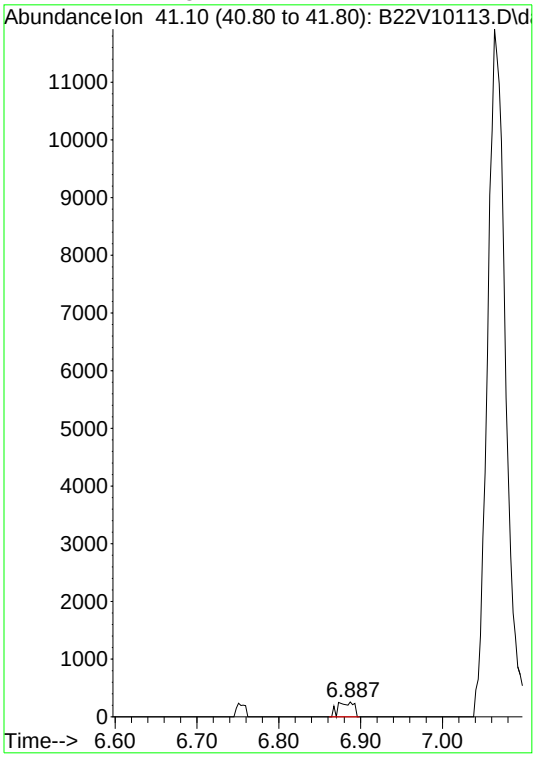
Mon Apr 11 12:39:16 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.72
Area : 34463
Amount: 10.4818

Manual Integration
T-AMYLMETHYL ETHER



Original Integration
ETHYL METHACRYLATE



Original Int. Results

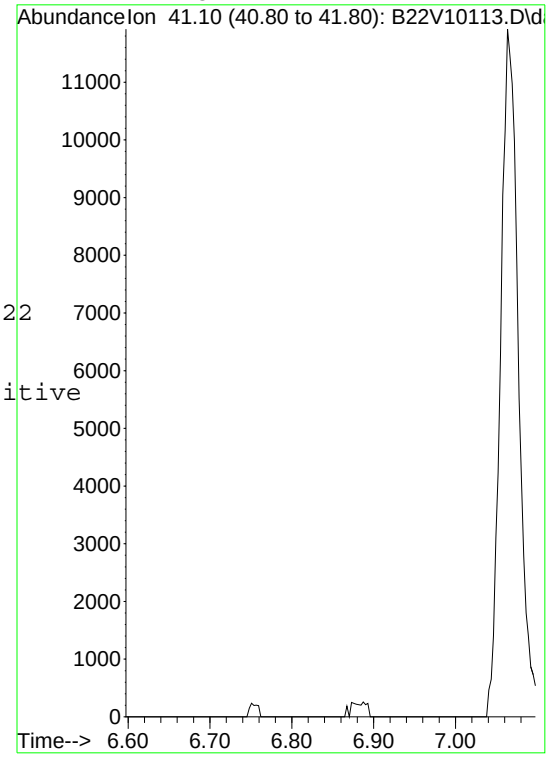
RT : 6.89
Area : 342
Amount: 0

Manual Int. Results

Mon Apr 11 12:39:26 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

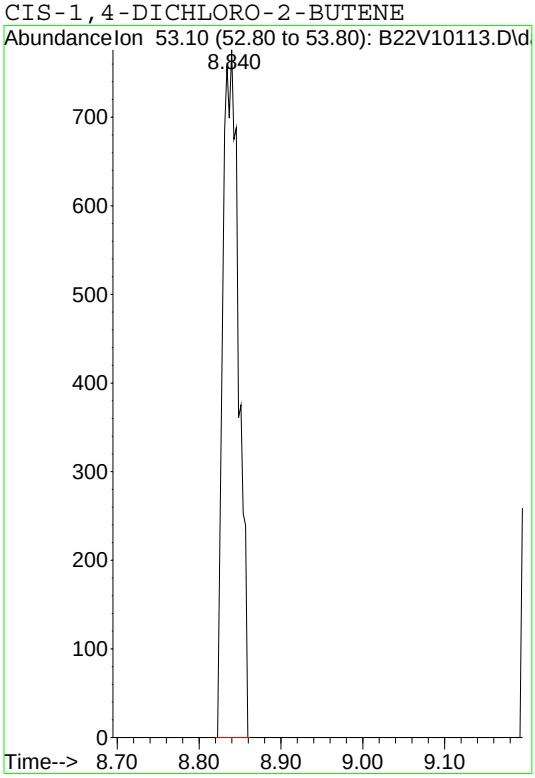
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10113.D
Acq On : 11 Apr 2022 12:03 pm
Operator :
Sample : B0-BS1 @ RCP
Misc :

Quant Time : Mon Apr 11 12:39:36 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

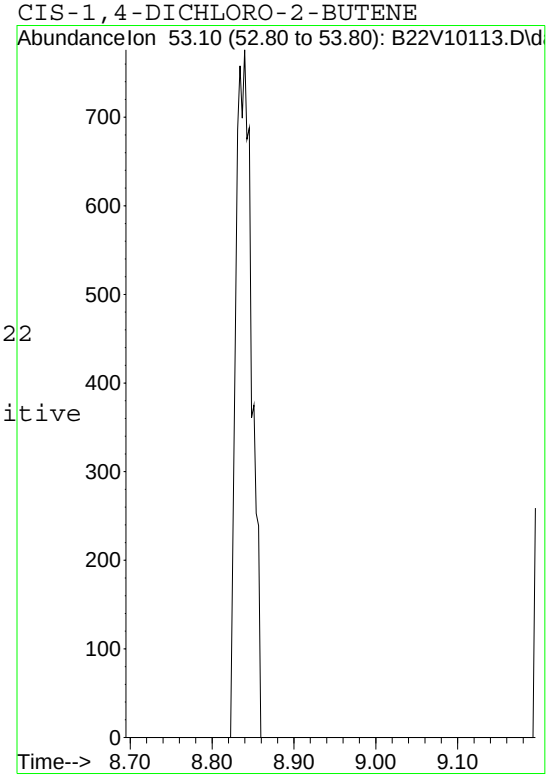
RT : 8.84
Area : 1055
Amount: 0

Manual Int. Results

Mon Apr 11 12:39:35 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BSD1	File ID:	B22V10114.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 12:29
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	102	2.0	50	
107-13-1	Acrylonitrile	10.4	0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	10.4	0.14	0.50	
71-43-2	Benzene	9.82	0.20	1.0	
108-86-1	Bromobenzene	10.6	0.15	1.0	
74-97-5	Bromochloromethane	12.4	0.31	1.0	V-20
75-27-4	Bromodichloromethane	10.7	0.18	0.50	
75-25-2	Bromoform	11.9	0.38	1.0	V-20
74-83-9	Bromomethane	18.9	1.5	2.0	L-02, V-20, V-34
78-93-3	2-Butanone (MEK)	97.5	1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)	105	4.7	20	
104-51-8	n-Butylbenzene	9.31	0.15	1.0	
135-98-8	sec-Butylbenzene	9.25	0.11	1.0	
98-06-6	tert-Butylbenzene	9.74	0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	9.96	0.15	0.50	
75-15-0	Carbon Disulfide	101	1.4	5.0	
56-23-5	Carbon Tetrachloride	11.4	0.16	5.0	
108-90-7	Chlorobenzene	11.2	0.11	1.0	
124-48-1	Chlorodibromomethane	11.4	0.22	0.50	
75-00-3	Chloroethane	10.9	0.32	2.0	
67-66-3	Chloroform	10.6	0.17	2.0	
74-87-3	Chloromethane	4.69	0.52	2.0	V-05, V-34
95-49-8	2-Chlorotoluene	10.7	0.11	1.0	
106-43-4	4-Chlorotoluene	10.9	0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	9.02	0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)	11.0	0.17	0.50	
74-95-3	Dibromomethane	11.3	0.35	1.0	
95-50-1	1,2-Dichlorobenzene	10.4	0.12	1.0	
541-73-1	1,3-Dichlorobenzene	10.4	0.12	1.0	
106-46-7	1,4-Dichlorobenzene	10.5	0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BSD1	File ID:	B22V10114.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 12:29
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene	10.6	1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	9.94	0.19	2.0	
75-34-3	1,1-Dichloroethane	10.4	0.14	1.0	
107-06-2	1,2-Dichloroethane	11.4	0.31	1.0	
75-35-4	1,1-Dichloroethylene	12.0	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.8	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	11.0	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.9	0.18	1.0	
142-28-9	1,3-Dichloropropane	10.6	0.13	0.50	
594-20-7	2,2-Dichloropropane	10.2	0.33	1.0	
563-58-6	1,1-Dichloropropene	10.5	0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene	9.99	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	9.75	0.17	0.50	
60-29-7	Diethyl Ether	10.1	0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)	10.0	0.13	0.50	
123-91-1	1,4-Dioxane	111	21	50	
100-41-4	Ethylbenzene	10.9	0.21	1.0	
87-68-3	Hexachlorobutadiene	10.0	0.46	0.60	
591-78-6	2-Hexanone (MBK)	103	1.1	10	
98-82-8	Isopropylbenzene (Cumene)	11.0	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	10.1	0.097	1.0	
79-20-9	Methyl Acetate	9.55	0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	10.3	0.17	1.0	
108-87-2	Methyl Cyclohexane	10.1	0.24	1.0	
75-09-2	Methylene Chloride	10.5	0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	108	1.3	10	
91-20-3	Naphthalene	8.74	0.24	2.0	
103-65-1	n-Propylbenzene	10.6	0.086	1.0	
100-42-5	Styrene	11.1	0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	12.2	0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-BSD1	File ID:	B22V10114.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 12:29
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	10.6	0.13	0.50	
127-18-4	Tetrachloroethylene	12.4	0.19	1.0	V-20
109-99-9	Tetrahydrofuran	10.2	0.49	10	
108-88-3	Toluene	10.9	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	9.39	0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene	10.3	0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene	9.90	0.21	1.0	
71-55-6	1,1,1-Trichloroethane	10.9	0.17	1.0	
79-00-5	1,1,2-Trichloroethane	10.9	0.18	1.0	
79-01-6	Trichloroethylene	11.2	0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.0	0.18	2.0	
96-18-4	1,2,3-Trichloropropane	11.6	0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	11.5	0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene	9.86	0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene	11.0	0.11	1.0	
75-01-4	Vinyl Chloride	10.5	0.21	2.0	
108383/106423	m+p Xylene	22.5	0.46	2.0	
95-47-6	o-Xylene	10.9	0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10114.D
Acq On : 11 Apr 2022 12:29 pm
Operator :
Sample : B0-BSD1 @ RCP Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 11 15:11:09 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.278	168	79373	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	123660	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	68486	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	78804	30.00	UG/L		-0.01
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	46726	22.85	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.40%				
45) TOLUENE-D8 SS	6.427	98	124061	24.00	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.00%				
66) 4-BROMOFLUROBENZENE SS	8.990	95	51963	24.45	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.80%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.124	85	16237	9.94	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	20737	9.20	UG/L		100
5) CHLOROMETHANE	1.240	50	23269	4.69	UG/L		96
6) VINYL CHLORIDE	1.303	62	19530	10.54	UG/L		97
7) BROMOMETHANE	1.496	94	8305m	18.87	UG/L		
8) CHLOROETHANE	1.564	64	11036	10.86	UG/L		97
9) FLUORODICHLOROMETHANE	1.692	67	23670	9.30	UG/L		100
10) TRICHLOROFLUOROMETHANE	1.726	101	21033	10.01	UG/L		91
11) ETHANOL	1.871	45	2695	104.77	UG/L	#	54
12) DI ETHYL ETHER	1.922	59	10817	10.10	UG/L		97
13) ACROLEIN	2.027	56	34279	90.32	UG/L	#	96
14) ACETONE	2.141	43	57452	102.07	UG/L		98
15) 1,1-DICHLOROETHENE	2.087	61	25433	12.01	UG/L		97
16) 1,1,2-TRICL-1,2,2-TRIF...	2.081	101	11704	11.48	UG/L		98
17) IODOMETHANE	2.206	142	179230	162.82	UG/L		95
18) METHYL ACETATE	2.394	43	17026	9.55	UG/L		98
19) T-BUTYL ALCOHOL	2.593	59	20801	105.23	UG/L		97
20) ACRYLONITRILE	2.715	53	6431	10.37	UG/L		95
21) METHYLENE CHLORIDE	2.474	49	24156	10.46	UG/L		98
22) CARBON DISULFIDE	2.255	76	339079	100.84	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.715	73	33498	10.27	UG/L		100
24) TRANS 1,2-DICHLOROETHENE	2.712	61	22021	10.96	UG/L		99
25) 1,1-DICHLOROETHANE	3.139	63	25758	10.40	UG/L		99
26) VINYL ACETATE	3.201	43	419909	101.32	UG/L		99
27) DI ISOPROPYL ETHER	3.207	45	54176	10.00	UG/L		100
28) 2-BUTANONE	3.769	43	85551	97.48	UG/L		98
29) T-BUTYL ETHYL ETHER	3.582	59	45540	9.96	UG/L		99
30) CIS-1,2-DICHLOROETHENE	3.733	61	25816	10.83	UG/L		99
31) 2,2-DICHLOROPROPANE	3.727	77	19594	10.17	UG/L		99
32) ETHYL ACETATE	3.829	43	21378m	11.10	UG/L		
33) BROMOCHLOROMETHANE	3.977	128	6448	12.44	UG/L		96
34) TETRAHYDROFURAN	4.022	42	5626	10.19	UG/L		98
35) T-BUTYL FORMATE	4.113	59	15936	11.29	UG/L		97
36) CHLOROFORM	4.062	83	23700	10.61	UG/L		96
37) 1,1,1-TRICHLOROETHANE	4.227	97	21791	10.87	UG/L		97
38) CYCLOHEXANE	4.264	56	30560	10.10	UG/L		97
39) CARBON TETRACHLORIDE	4.386	117	20511	11.36	UG/L		99
40) 1,1-DICHLOROPROPENE	4.392	75	18192	10.49	UG/L		99
41) BENZENE	4.602	78	47214	9.82	UG/L		100
42) T-AMYL ALCOHOL	4.656	59	14770	101.11	UG/L		96
43) T-AMYLMETHYL ETHER	4.719	73	34649	10.41	UG/L		96
46) 1,2-DICHLOROETHANE	4.636	62	22519	11.35	UG/L		96
47) TRICHLOROETHENE	5.239	95	13510	11.25	UG/L		94

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10114.D
Acq On : 11 Apr 2022 12:29 pm
Operator :
Sample : B0-BSD1 @ RCP Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1

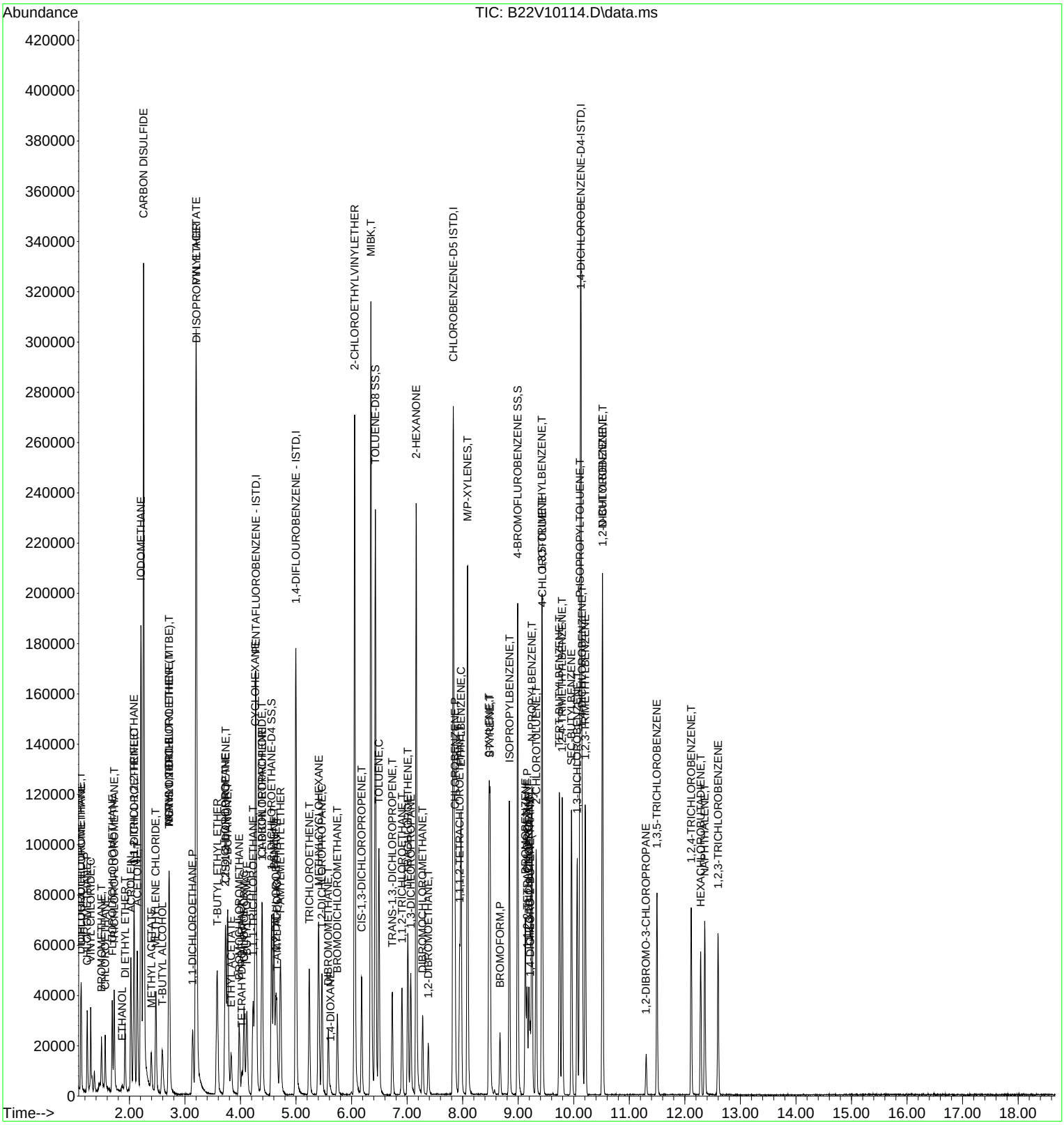
Quant Time: Apr 11 15:11:09 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) METHYLCYCLOHEXANE	5.409	83	21511	10.13	UG/L		99
49) 1,2-DICHLOROPROPANE	5.466	63	14600	10.89	UG/L		94
50) DIBROMOMETHANE	5.580	93	8149	11.34	UG/L		93
51) 1,4-DIOXANE	5.620	88	1658m	111.01	UG/L		
52) BROMODICHLOROMETHANE	5.742	83	17029	10.72	UG/L		99
53) 2-CHLOROETHYLVINYLETHER	6.054	63	93013	292.20	UG/L		98
54) MIBK	6.347	43	198003	107.99	UG/L		99
55) CIS-1,3-DICHLOROPROPENE	6.179	75	19312	9.99	UG/L		99
56) TOLUENE	6.492	91	57117	10.87	UG/L		99
57) TRANS-1,3,-DICHLOROPRO...	6.734	75	16577	9.75	UG/L		97
59) 1,1,2-TRICHLOROETHANE	6.907	97	10970	10.89	UG/L		96
60) 2-HEXANONE	7.163	43	142101	103.45	UG/L		100
61) TETRACHLOROETHENE	7.012	164	12946	12.42	UG/L		98
62) 1,3-DICHLOROPROPANE	7.066	76	19565	10.64	UG/L		97
63) DIBROMOCHLOROMETHANE	7.276	129	13971	11.45	UG/L		100
64) 1,2-DIBROMOETHANE	7.379	107	12340	11.02	UG/L	#	98
67) CHLOROBENZENE	7.859	112	38898	11.15	UG/L		97
68) 1,1,1,2-TETRACHLOROETHANE	7.944	131	14192	12.18	UG/L		97
69) ETHYLBENZENE	7.970	91	66387	10.89	UG/L		99
70) M/P-XYLENES	8.086	91	107259	22.47	UG/L		100
71) 0-XYLENE	8.473	91	53248	10.86	UG/L		97
72) STYRENE	8.493	104	41510	11.06	UG/L		97
73) BROMOFORM	8.672	173	10287	11.92	UG/L	#	98
74) ISOPROPYLBENZENE	8.842	105	67622	10.96	UG/L		100
76) 1,1,2,2-TETRACHLOROETHANE	9.161	83	16988	10.56	UG/L		99
77) 1,4-DICHLORO-2-BUTENE(...	9.215	53	6212	10.58	UG/L		94
78) BROMOBENZENE	9.127	77	23635	10.59	UG/L		91
79) 1,2,3-TRICHLOROPROPANE	9.192	110	5123	11.59	UG/L		92
80) N-PROPYLBENZENE	9.246	91	81382	10.61	UG/L		98
81) 2-CHLOROT0LUENE	9.323	91	47172	10.74	UG/L		99
82) 1,3,5-TRIMETHYLBENZENE	9.425	105	57429	10.96	UG/L		99
83) 4-CHLOROTOLUENE	9.434	91	55780	10.91	UG/L		99
85) TERT-BUTYLBENZENE	9.740	119	49194	9.74	UG/L		99
86) 1,2,4-TRIMETHYLBENZENE	9.792	105	57856	9.86	UG/L		99
87) SEC-BUTYLBENZENE	9.956	105	69928	9.25	UG/L		99
88) 1,3-DICHLOROBENZENE	10.062	146	34577	10.41	UG/L		99
89) P-ISOPROPYLTOLUENE	10.110	119	64359	10.13	UG/L		98
90) 1,4-DICHLOROBENZENE	10.150	146	36249	10.52	UG/L		97
91) 1,2,3-TRIMETHYLBENZENE	10.207	105	58128	10.13	UG/L	#	100
92) N-BUTYLBENZENE	10.516	91	57015	9.31	UG/L		99
93) 1,2-DICHLOROBENZENE	10.519	146	32963	10.38	UG/L		99
94) 1,2-DIBROMO-3-CHLOROPR...	11.298	75	3212	9.02	UG/L		88
95) 1,3,5-TRICHLOROBENZENE	11.497	180	23890	9.90	UG/L		98
96) 1,2,4-TRICHLOROBENZENE	12.114	180	21700	10.26	UG/L		97
97) HEXACHLOROBUTADIENE	12.284	225	10936	10.02	UG/L		98
98) NAPHTHALENE	12.358	128	47104	8.74	UG/L		99
99) 1,2,3-TRICHLOROBENZENE	12.597	180	18621	9.39	UG/L		99

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10114.D
Acq On : 11 Apr 2022 12:29 pm
Operator :
Sample : B0-BSD1 @ RCP Inst : GCMSVOA2
Misc :
ALS Vial : 14 Sample Multiplier: 1

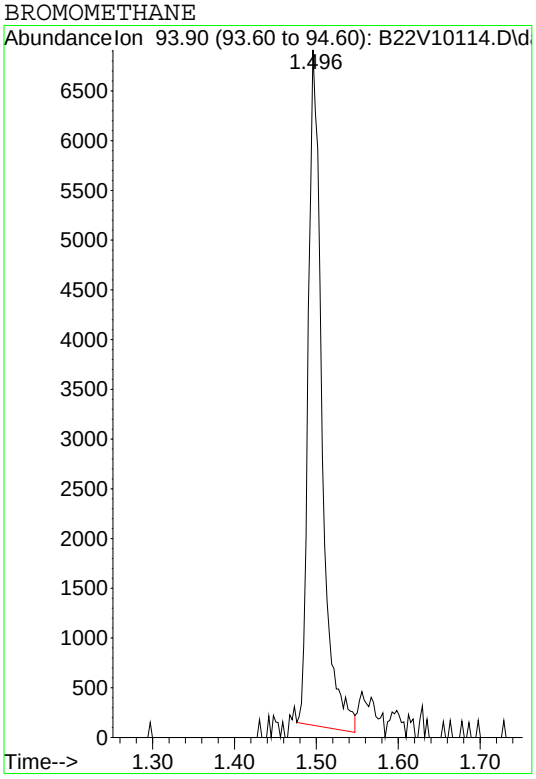
Quant Time: Apr 11 15:11:09 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10114.D
Acq On : 11 Apr 2022 12:29 pm
Operator :
Sample : B0-BSD1 @ RCP
Misc :

Quant Time : Mon Apr 11 15:11:09 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
BROMOMETHANE



Original Int. Results

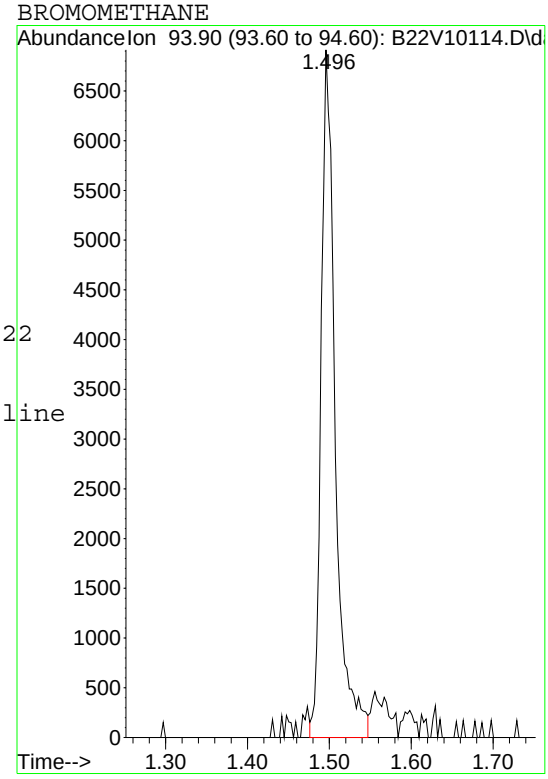
RT : 1.50
Area : 7873
Amount: 18.0484

Manual Int. Results

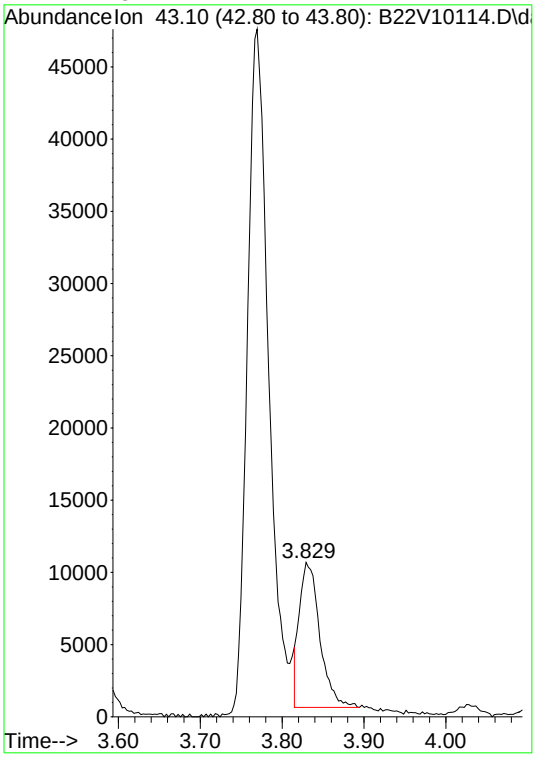
Mon Apr 11 15:10:16 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 8305
Amount: 18.8668

Manual Integration
BROMOMETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

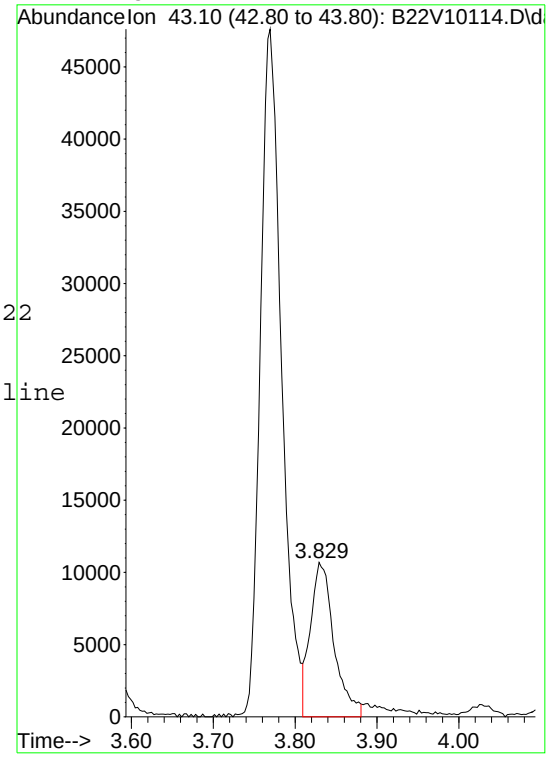
RT : 3.83
Area : 17412
Amount: 9.03946

Manual Int. Results

Mon Apr 11 15:10:39 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.83
Area : 21378
Amount: 11.0984

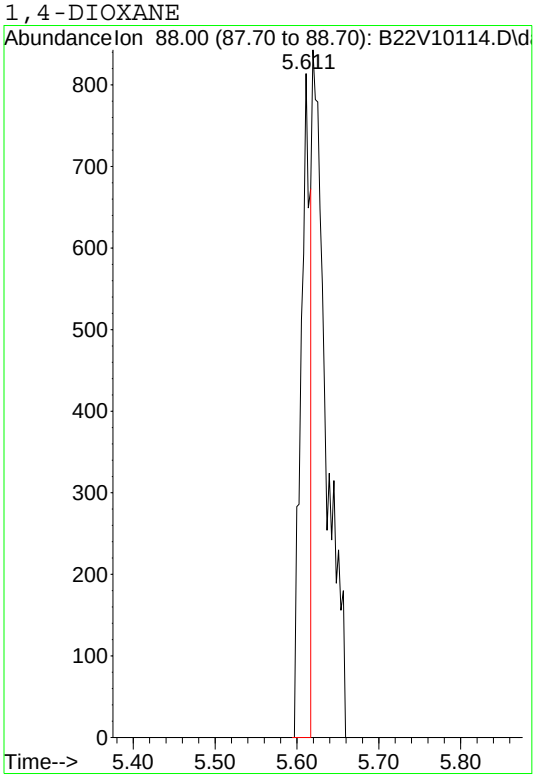
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10114.D
Acq On : 11 Apr 2022 12:29 pm
Operator :
Sample : B0-BSD1 @ RCP
Misc :

Quant Time : Mon Apr 11 15:11:09 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
1,4-DIOXANE



Original Int. Results

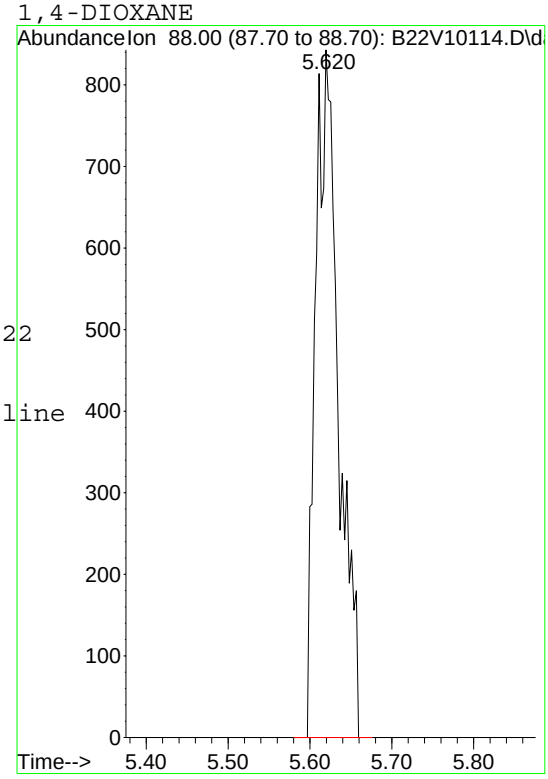
RT : 5.61
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Amount: 51.7968

Manual Int. Results

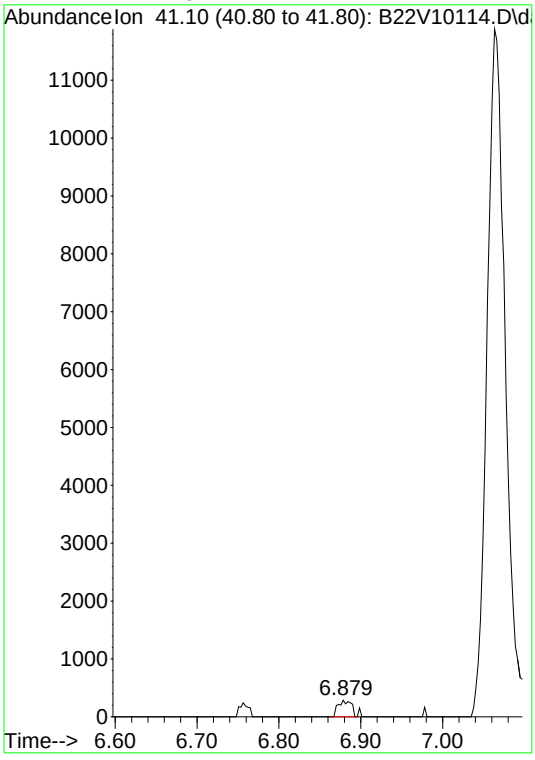
Mon Apr 11 15:10:50 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.62
Area : 1658
Amount: 111.005

Manual Integration
1,4-DIOXANE



Original Integration
ETHYL METHACRYLATE



Original Int. Results

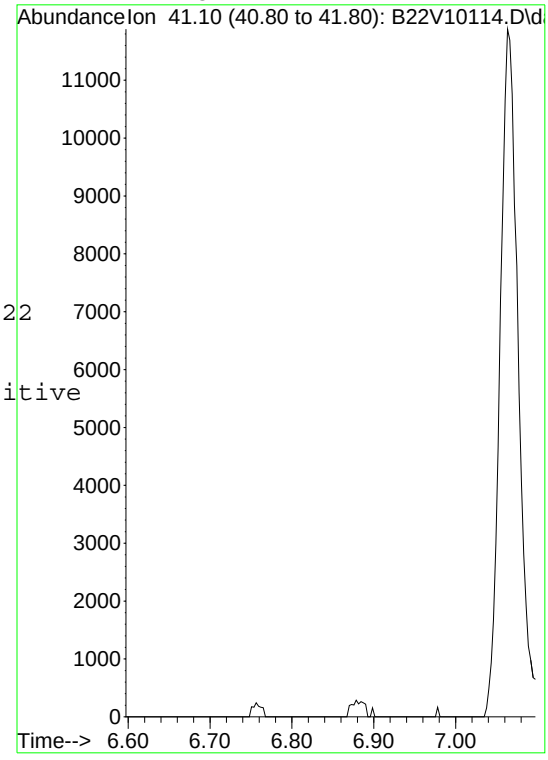
RT : 6.88
Area : 316
Amount: 0

Manual Int. Results

Mon Apr 11 15:10:57 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

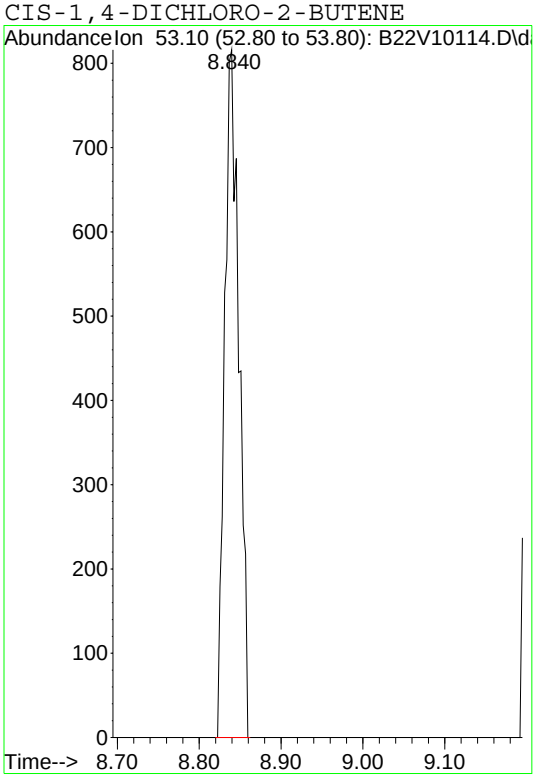
Manual Integration
ETHYL METHACRYLATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10114.D
Acq On : 11 Apr 2022 12:29 pm
Operator :
Sample : B0-BSD1 @ RCP
Misc :

Quant Time : Mon Apr 11 15:11:09 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

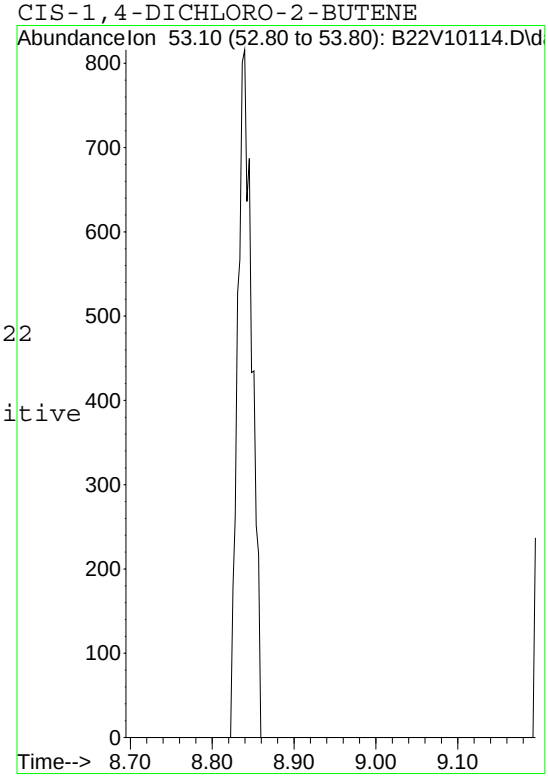
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Area : 991
Amount: 0

Manual Int. Results

Mon Apr 11 15:11:07 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-MS1	File ID:	B22V10137.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 22:35
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	95.6	2.0	50	
107-13-1	Acrylonitrile	9.59	0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	9.41	0.14	0.50	
71-43-2	Benzene	9.90	0.20	1.0	
108-86-1	Bromobenzene	10.4	0.15	1.0	
74-97-5	Bromochloromethane	11.8	0.31	1.0	
75-27-4	Bromodichloromethane	10.4	0.18	0.50	
75-25-2	Bromoform	11.3	0.38	1.0	
74-83-9	Bromomethane	16.8	1.5	2.0	MS-15
78-93-3	2-Butanone (MEK)	89.6	1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)	101	4.7	20	
104-51-8	n-Butylbenzene	8.79	0.15	1.0	
135-98-8	sec-Butylbenzene	9.39	0.11	1.0	
98-06-6	tert-Butylbenzene	10.2	0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	9.24	0.15	0.50	
75-15-0	Carbon Disulfide	97.3	1.4	5.0	
56-23-5	Carbon Tetrachloride	11.5	0.16	5.0	
108-90-7	Chlorobenzene	11.1	0.11	1.0	
124-48-1	Chlorodibromomethane	10.7	0.22	0.50	
75-00-3	Chloroethane	11.1	0.32	2.0	
67-66-3	Chloroform	10.2	0.17	2.0	
74-87-3	Chloromethane	4.84	0.52	2.0	MS-09
95-49-8	2-Chlorotoluene	10.8	0.11	1.0	
106-43-4	4-Chlorotoluene	10.8	0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	8.91	0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)	10.2	0.17	0.50	
74-95-3	Dibromomethane	10.4	0.35	1.0	
95-50-1	1,2-Dichlorobenzene	9.94	0.12	1.0	
541-73-1	1,3-Dichlorobenzene	10.1	0.12	1.0	
106-46-7	1,4-Dichlorobenzene	9.98	0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Laboratory ID:	B305454-MS1	File ID:	B22V10137.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 22:35
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Column:	1				

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene	8.74	1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	9.66	0.19	2.0	
75-34-3	1,1-Dichloroethane	10.2	0.14	1.0	
107-06-2	1,2-Dichloroethane	11.1	0.31	1.0	
75-35-4	1,1-Dichloroethylene	11.8	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.0	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.8	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.2	0.18	1.0	
142-28-9	1,3-Dichloropropane	9.77	0.13	0.50	
594-20-7	2,2-Dichloropropane	7.65	0.33	1.0	
563-58-6	1,1-Dichloropropene	10.1	0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene	8.74	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	8.61	0.17	0.50	
60-29-7	Diethyl Ether	9.66	0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)	9.26	0.13	0.50	
123-91-1	1,4-Dioxane	100	21	50	
100-41-4	Ethylbenzene	11.0	0.21	1.0	
87-68-3	Hexachlorobutadiene	8.60	0.46	0.60	
591-78-6	2-Hexanone (MBK)	96.0	1.1	10	
98-82-8	Isopropylbenzene (Cumene)	11.0	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	9.69	0.097	1.0	
79-20-9	Methyl Acetate	7.05	0.45	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)	9.35	0.17	1.0	
108-87-2	Methyl Cyclohexane	9.99	0.24	1.0	
75-09-2	Methylene Chloride	9.90	0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	99.8	1.3	10	
91-20-3	Naphthalene	7.40	0.24	2.0	
103-65-1	n-Propylbenzene	10.7	0.086	1.0	
100-42-5	Styrene	10.8	0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	11.7	0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-MS1	File ID:	B22V10137.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 22:35
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	10.2	0.13	0.50	
127-18-4	Tetrachloroethylene	12.2	0.19	1.0	
109-99-9	Tetrahydrofuran	9.40	0.49	10	J
108-88-3	Toluene	10.6	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	8.12	0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene	8.88	0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene	8.97	0.21	1.0	
71-55-6	1,1,1-Trichloroethane	11.2	0.17	1.0	
79-00-5	1,1,2-Trichloroethane	9.98	0.18	1.0	
79-01-6	Trichloroethylene	11.2	0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.6	0.18	2.0	
96-18-4	1,2,3-Trichloropropane	10.7	0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	11.1	0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene	9.77	0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.9	0.11	1.0	
75-01-4	Vinyl Chloride	10.5	0.21	2.0	
108383/106423	m+p Xylene	22.5	0.46	2.0	
95-47-6	o-Xylene	10.8	0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10137.D
Acq On : 11 Apr 2022 10:35 pm
Operator :
Sample : 22D0541-15MS1 Inst : GCMSVOA2
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Apr 12 11:22:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.278	168	79929	30.00	UG/L		0.00
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	122284	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	65778	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	74226	30.00	UG/L		-0.01
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	45250	21.97	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 87.88%				
45) TOLUENE-D8 SS	6.427	98	119904	23.46	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.84%				
66) 4-BROMOFLUROBENZENE SS	8.990	95	50445	24.71	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 98.84%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.126	85	15887	9.66	UG/L		100
4) DIFLUOROCHLOROMETHANE	1.135	51	20805	9.16	UG/L		99
5) CHLOROMETHANE	1.240	50	24178	4.84	UG/L		97
6) VINYL CHLORIDE	1.303	62	19596	10.50	UG/L		98
7) BROMOMETHANE	1.496	94	7283m	16.83	UG/L		
8) CHLOROETHANE	1.564	64	11337	11.08	UG/L		97
9) FLUORODICHLOROMETHANE	1.692	67	24587	9.59	UG/L		97
10) TRICHLOROFLUOROMETHANE	1.726	101	22512	10.64	UG/L		94
11) ETHANOL	1.868	45	2408	92.96	UG/L	#	57
12) DI ETHYL ETHER	1.922	59	10422	9.66	UG/L		96
13) ACROLEIN	2.027	56	29950	78.37	UG/L	#	99
14) ACETONE	2.141	43	54168	95.57	UG/L		98
15) 1,1-DICHLOROETHENE	2.090	61	25147	11.80	UG/L		99
16) 1,1,2-TRICL-1,2,2-TRIF...	2.076	101	11369	11.08	UG/L		98
17) IODOMETHANE	2.209	142	163975	148.49	UG/L		95
18) METHYL ACETATE	2.394	43	12656	7.05	UG/L		97
19) T-BUTYL ALCOHOL	2.593	59	20148	101.22	UG/L		95
20) ACRYLONITRILE	2.715	53	5993	9.59	UG/L		98
21) METHYLENE CHLORIDE	2.476	49	23033	9.90	UG/L		98
22) CARBON DISULFIDE	2.258	76	329373	97.27	UG/L		100
23) METHYL TERT-BUTYL ETHE...	2.715	73	30719	9.35	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.715	61	21868	10.81	UG/L		98
25) 1,1-DICHLOROETHANE	3.136	63	25535	10.24	UG/L		99
26) VINYL ACETATE	3.201	43	302467	72.48	UG/L		99
27) DI ISOPROPYL ETHER	3.207	45	50498	9.26	UG/L		100
28) 2-BUTANONE	3.769	43	79150	89.56	UG/L		97
29) T-BUTYL ETHYL ETHER	3.582	59	42559	9.24	UG/L		98
30) CIS-1,2-DICHLOROETHENE	3.732	61	24094	10.04	UG/L		100
31) 2,2-DICHLOROPROPANE	3.724	77	14832	7.65	UG/L		99
32) ETHYL ACETATE	3.835	43	17119m	8.83	UG/L		
33) BROMOCHLOROMETHANE	3.977	128	6158	11.79	UG/L		94
34) TETRAHYDROFURAN	4.031	42	5225	9.40	UG/L		97
36) CHLOROFORM	4.062	83	22874	10.17	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.230	97	22495	11.15	UG/L		98
38) CYCLOHEXANE	4.270	56	31182	10.24	UG/L		97
39) CARBON TETRACHLORIDE	4.386	117	20945	11.52	UG/L		98
40) 1,1-DICHLOROPROPENE	4.392	75	17705	10.13	UG/L		98
41) BENZENE	4.599	78	47919	9.90	UG/L		98
42) T-AMYL ALCOHOL	4.656	59	13786	93.72	UG/L		96
43) T-AMYLMETHYL ETHER	4.722	73	31539m	9.41	UG/L		
46) 1,2-DICHLOROETHANE	4.636	62	21748	11.09	UG/L		97
47) TRICHLOROETHENE	5.239	95	13352	11.25	UG/L		96
48) METHYLCYCLOHEXANE	5.406	83	20983	9.99	UG/L		97

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10137.D
Acq On : 11 Apr 2022 10:35 pm
Operator :
Sample : 22D0541-15MS1 Inst : GCMSVOA2
Misc :
ALS Vial : 37 Sample Multiplier: 1

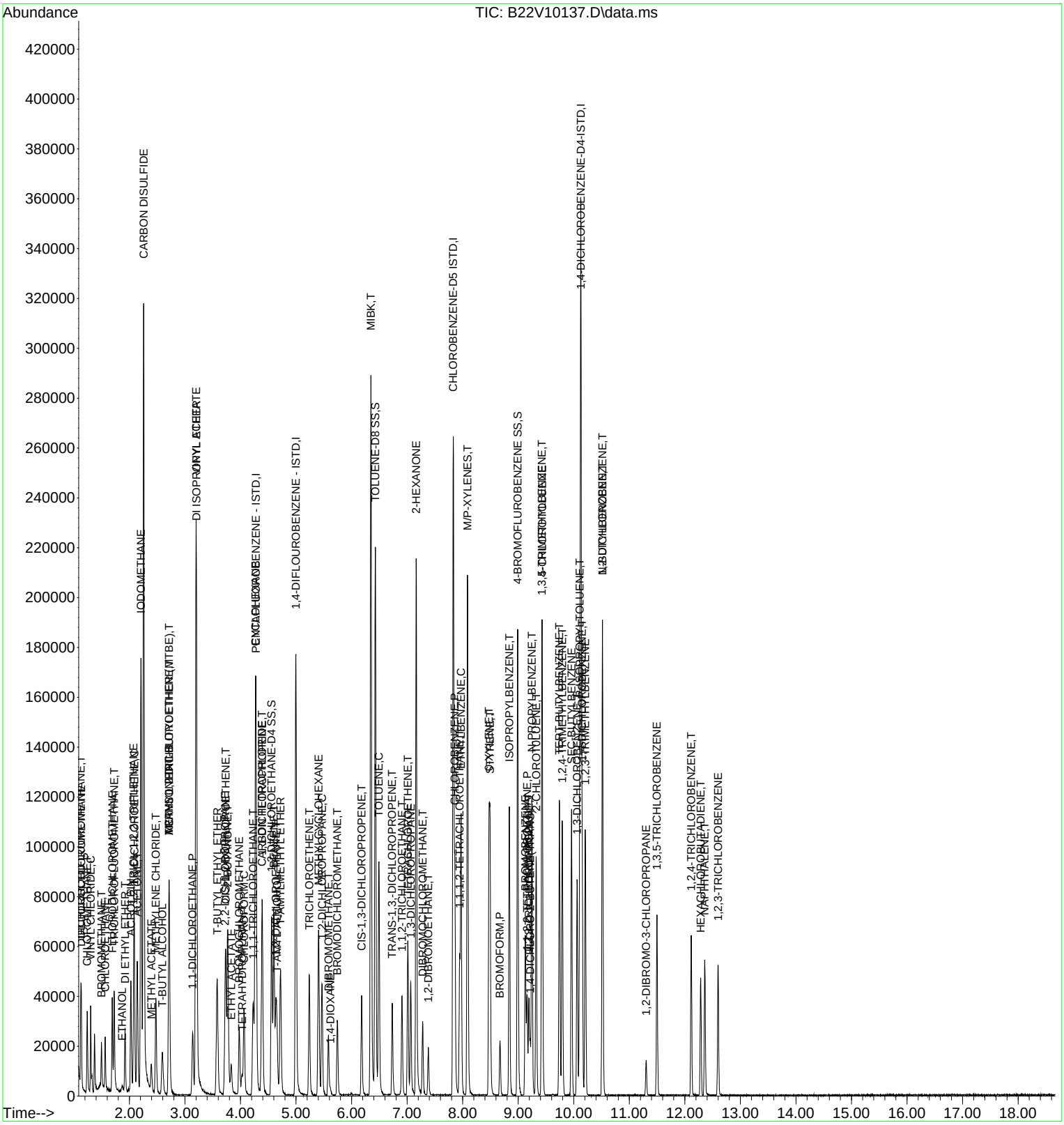
Quant Time: Apr 12 11:22:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.469	63	13509	10.19	UG/L		99
50) DIBROMOMETHANE	5.585	93	7382	10.39	UG/L		90
51) 1,4-DIOXANE	5.620	88	1458	100.22	UG/L	#	70
52) BROMODICHLOROMETHANE	5.742	83	16302	10.38	UG/L		99
54) MIBK	6.347	43	180913	99.78	UG/L		99
55) CIS-1,3-DICHLOROPROPENE	6.182	75	16714	8.74	UG/L		98
56) TOLUENE	6.492	91	55243	10.63	UG/L		100
57) TRANS-1,3,-DICHLOROPRO...	6.731	75	14479	8.61	UG/L		99
59) 1,1,2-TRICHLOROETHANE	6.907	97	9940	9.98	UG/L		98
60) 2-HEXANONE	7.163	43	130433	96.03	UG/L		100
61) TETRACHLOROETHENE	7.012	164	12533	12.16	UG/L		98
62) 1,3-DICHLOROPROPANE	7.066	76	17761	9.77	UG/L		96
63) DIBROMOCHLOROMETHANE	7.279	129	12891	10.69	UG/L		100
64) 1,2-DIBROMOETHANE	7.382	107	11342	10.25	UG/L	#	99
67) CHLOROBENZENE	7.856	112	37205	11.10	UG/L		97
68) 1,1,1,2-TETRACHLOROETHANE	7.947	131	13145	11.74	UG/L		99
69) ETHYLBENZENE	7.970	91	64139	10.96	UG/L		99
70) M/P-XYLENES	8.086	91	103315	22.53	UG/L		99
71) 0-XYLENE	8.473	91	50902	10.81	UG/L		98
72) STYRENE	8.493	104	39024	10.82	UG/L		98
73) BROMOFORM	8.669	173	9352	11.29	UG/L	#	99
74) ISOPROPYLBENZENE	8.840	105	65509	11.05	UG/L		100
76) 1,1,2,2-TETRACHLOROETHANE	9.161	83	15732	10.18	UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.215	53	4928	8.74	UG/L		98
78) BROMOBENZENE	9.127	77	22294	10.40	UG/L		90
79) 1,2,3-TRICHLOROPROPANE	9.192	110	4539	10.69	UG/L		93
80) N-PROPYLBENZENE	9.246	91	78803	10.70	UG/L		98
81) 2-CHLOROT0LUENE	9.323	91	45595	10.80	UG/L		98
82) 1,3,5-TRIMETHYLBENZENE	9.425	105	54867	10.90	UG/L		99
83) 4-CHLOROTOLUENE	9.431	91	53251	10.85	UG/L		98
85) TERT-BUTYLBENZENE	9.740	119	48346	10.16	UG/L		98
86) 1,2,4-TRIMETHYLBENZENE	9.794	105	53970	9.77	UG/L		99
87) SEC-BUTYLBENZENE	9.959	105	66847	9.39	UG/L		98
88) 1,3-DICHLOROBENZENE	10.059	146	31482	10.06	UG/L		99
89) P-ISOPROPYLTOLUENE	10.107	119	57974	9.69	UG/L		98
90) 1,4-DICHLOROBENZENE	10.150	146	32418	9.98	UG/L		98
91) 1,2,3-TRIMETHYLBENZENE	10.207	105	53399	9.88	UG/L	#	100
92) N-BUTYLBENZENE	10.516	91	50735	8.79	UG/L		99
93) 1,2-DICHLOROBENZENE	10.516	146	29735	9.94	UG/L		99
94) 1,2-DIBROMO-3-CHLOROPR...	11.304	75	2989	8.91	UG/L		97
95) 1,3,5-TRICHLOROBENZENE	11.497	180	20397	8.97	UG/L		99
96) 1,2,4-TRICHLOROBENZENE	12.113	180	17696	8.88	UG/L		98
97) HEXACHLOROBUTADIENE	12.284	225	8841	8.60	UG/L		97
98) NAPHTHALENE	12.358	128	37543	7.40	UG/L		100
99) 1,2,3-TRICHLOROBENZENE	12.599	180	15168	8.12	UG/L		99

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

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10137.D
Acq On : 11 Apr 2022 10:35 pm
Operator :
Sample : 22D0541-15MS1 Inst : GCMSVOA2
Misc :
ALS Vial : 37 Sample Multiplier: 1

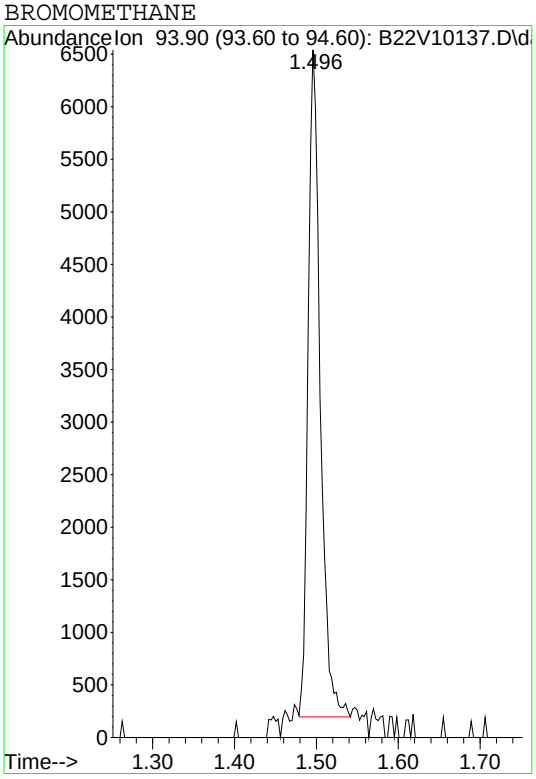
Quant Time: Apr 12 11:22:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10137.D
Acq On : 11 Apr 2022 10:35 pm
Operator :
Sample : 22D0541-15MS1
Misc :

Quant Time : Tue Apr 12 11:22:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
BROMOMETHANE



Original Int. Results

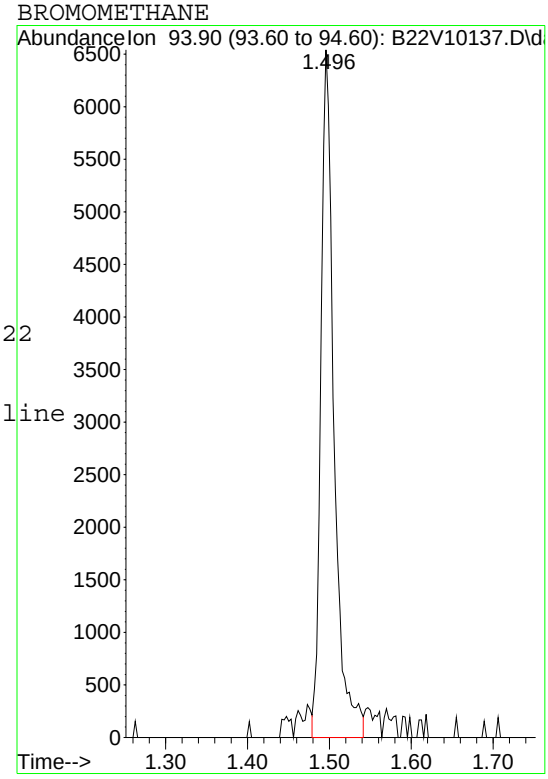
RT : 1.50
Area : 6548
Amount: 15.452

Manual Int. Results

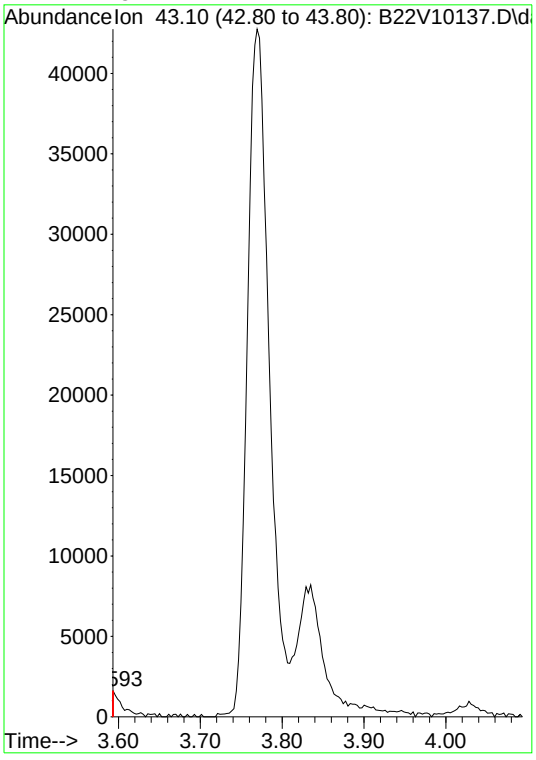
Tue Apr 12 11:20:57 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.50
Area : 7283
Amount: 16.8347

Manual Integration
BROMOMETHANE



Original Integration
ETHYL ACETATE



Original Int. Results

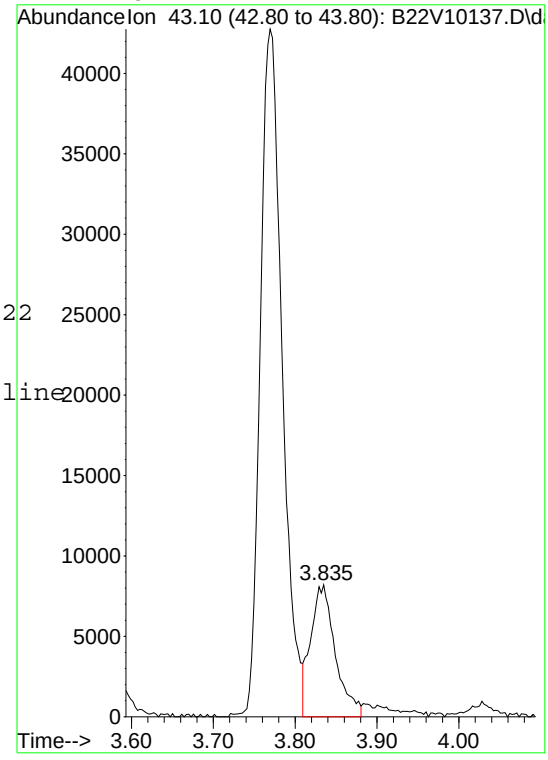
RT : 0.00
Area : 0
Amount: 0

Manual Int. Results

Tue Apr 12 11:21:18 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.83
Area : 17119
Amount: 8.82553

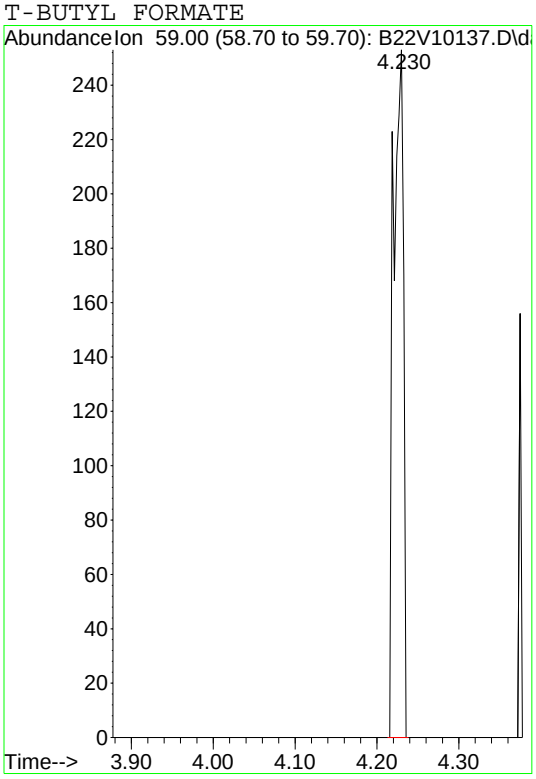
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10137.D
Acq On : 11 Apr 2022 10:35 pm
Operator :
Sample : 22D0541-15MS1
Misc :

Quant Time : Tue Apr 12 11:22:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
T-BUTYL FORMATE



Original Int. Results

RT : 4.23
Area : 214
Amount: 0.150542

Manual Int. Results

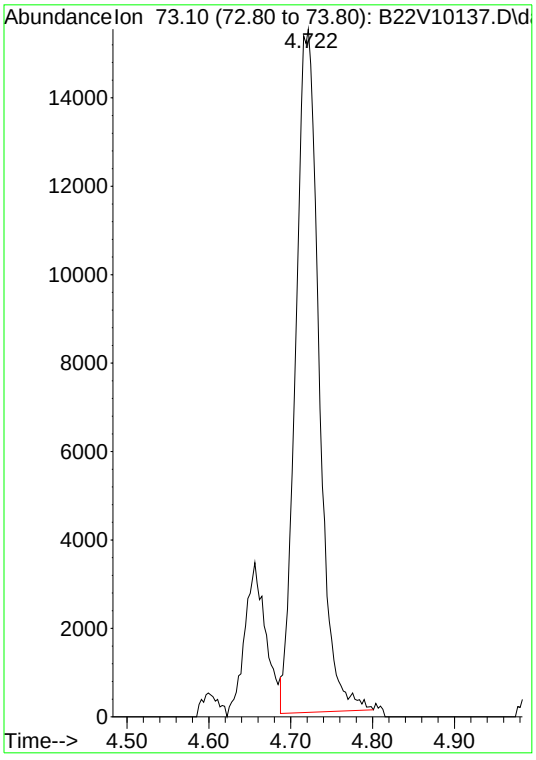
Tue Apr 12 11:21:25 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
T-BUTYL FORMATE



Original Integration
T-AMYLMETHYL ETHER



Original Int. Results

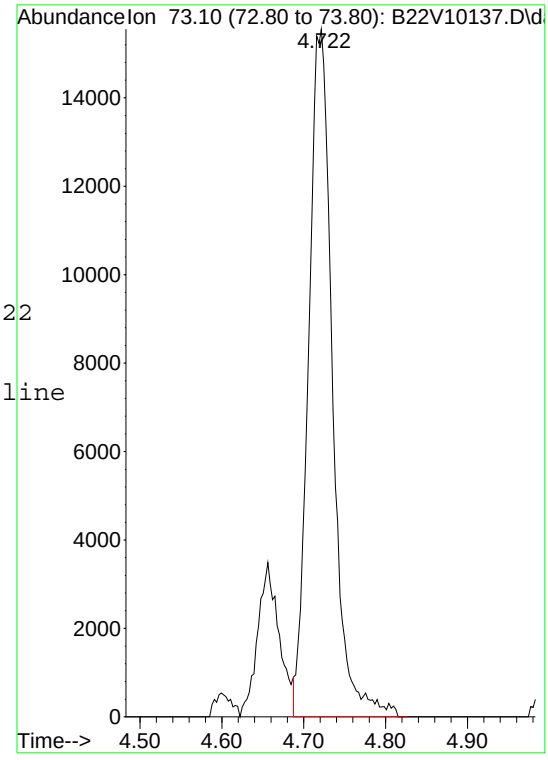
RT : 4.72
Area : 30574
Amount: 9.11864

Manual Int. Results

Tue Apr 12 11:21:35 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.72
Area : 31539
Amount: 9.40645

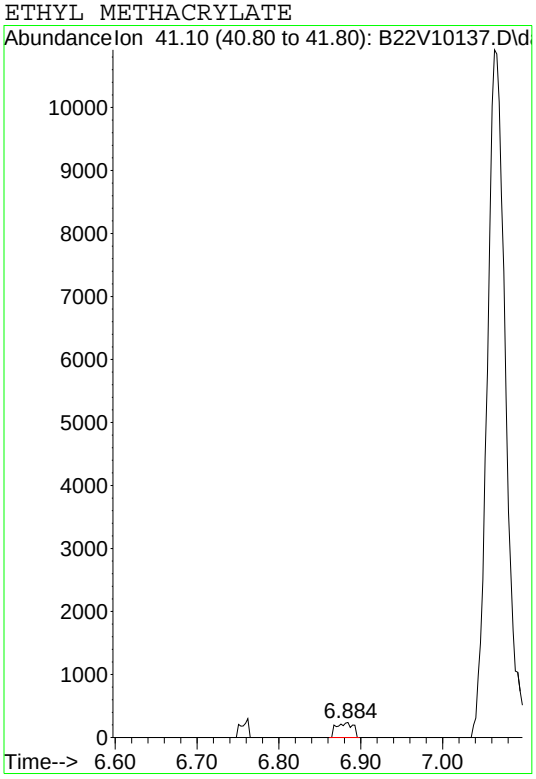
Manual Integration
T-AMYLMETHYL ETHER



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10137.D
Acq On : 11 Apr 2022 10:35 pm
Operator :
Sample : 22D0541-15MS1
Misc :

Quant Time : Tue Apr 12 11:22:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHYL METHACRYLATE



Original Int. Results

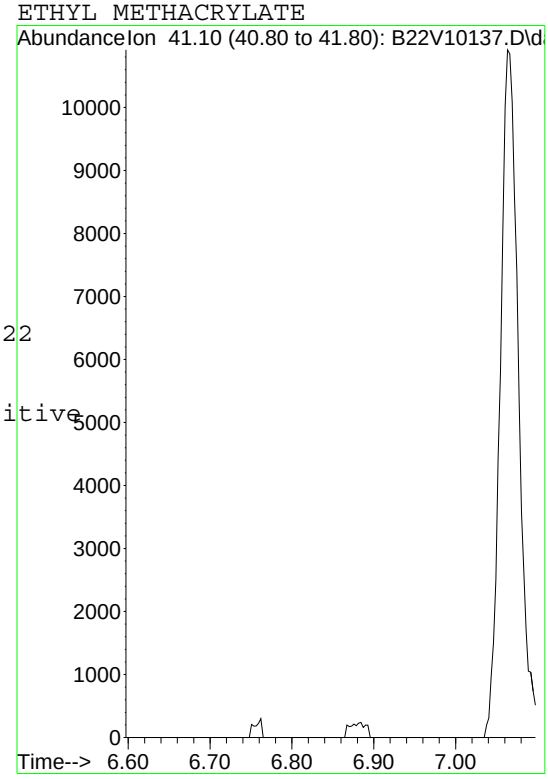
RT : 6.88
Area : 337
Amount: 0

Manual Int. Results

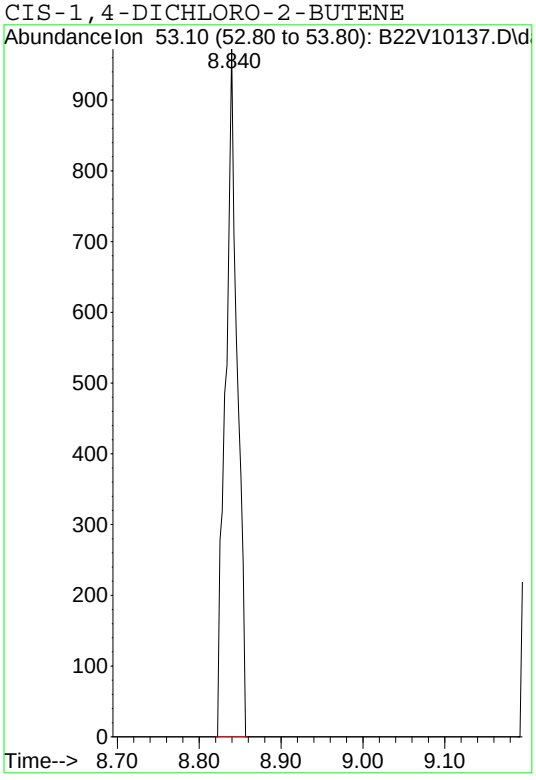
Tue Apr 12 11:21:56 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

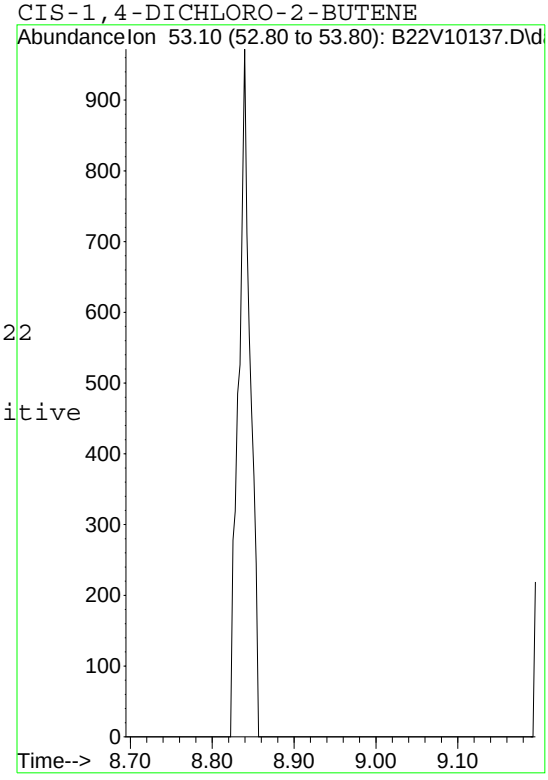
RT : 8.84
Area : 968
Amount: 0

Manual Int. Results

Tue Apr 12 11:22:06 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-MSD1	File ID:	B22V10138.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 23:01
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone	92.4	2.0	50	
107-13-1	Acrylonitrile	9.33	0.55	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)	9.41	0.14	0.50	
71-43-2	Benzene	9.69	0.20	1.0	
108-86-1	Bromobenzene	10.2	0.15	1.0	
74-97-5	Bromochloromethane	11.5	0.31	1.0	
75-27-4	Bromodichloromethane	10.2	0.18	0.50	
75-25-2	Bromoform	10.7	0.38	1.0	
74-83-9	Bromomethane	17.0	1.5	2.0	MS-15
78-93-3	2-Butanone (MEK)	87.9	1.6	20	
75-65-0	tert-Butyl Alcohol (TBA)	98.5	4.7	20	
104-51-8	n-Butylbenzene	8.68	0.15	1.0	
135-98-8	sec-Butylbenzene	9.25	0.11	1.0	
98-06-6	tert-Butylbenzene	9.76	0.13	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)	9.37	0.15	0.50	
75-15-0	Carbon Disulfide	95.3	1.4	5.0	
56-23-5	Carbon Tetrachloride	11.3	0.16	5.0	
108-90-7	Chlorobenzene	10.8	0.11	1.0	
124-48-1	Chlorodibromomethane	10.5	0.22	0.50	
75-00-3	Chloroethane	10.7	0.32	2.0	
67-66-3	Chloroform	9.84	0.17	2.0	
74-87-3	Chloromethane	4.66	0.52	2.0	MS-09
95-49-8	2-Chlorotoluene	10.4	0.11	1.0	
106-43-4	4-Chlorotoluene	10.3	0.12	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	7.98	0.80	5.0	
106-93-4	1,2-Dibromoethane (EDB)	9.71	0.17	0.50	
74-95-3	Dibromomethane	10.4	0.35	1.0	
95-50-1	1,2-Dichlorobenzene	9.71	0.12	1.0	
541-73-1	1,3-Dichlorobenzene	9.86	0.12	1.0	
106-46-7	1,4-Dichlorobenzene	9.72	0.13	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-MSD1	File ID:	B22V10138.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 23:01
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
110-57-6	trans-1,4-Dichloro-2-butene	8.48	1.6	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)	9.54	0.19	2.0	
75-34-3	1,1-Dichloroethane	10.0	0.14	1.0	
107-06-2	1,2-Dichloroethane	10.8	0.31	1.0	
75-35-4	1,1-Dichloroethylene	11.8	0.14	1.0	
156-59-2	cis-1,2-Dichloroethylene	10.0	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene	10.8	0.17	1.0	
78-87-5	1,2-Dichloropropane	10.1	0.18	1.0	
142-28-9	1,3-Dichloropropane	9.83	0.13	0.50	
594-20-7	2,2-Dichloropropane	7.48	0.33	1.0	
563-58-6	1,1-Dichloropropene	10.2	0.15	2.0	
10061-01-5	cis-1,3-Dichloropropene	8.68	0.16	0.50	
10061-02-6	trans-1,3-Dichloropropene	8.39	0.17	0.50	
60-29-7	Diethyl Ether	9.44	0.18	2.0	
108-20-3	Diisopropyl Ether (DIPE)	9.03	0.13	0.50	
123-91-1	1,4-Dioxane	96.7	21	50	
100-41-4	Ethylbenzene	10.7	0.21	1.0	
87-68-3	Hexachlorobutadiene	8.70	0.46	0.60	
591-78-6	2-Hexanone (MBK)	92.5	1.1	10	
98-82-8	Isopropylbenzene (Cumene)	10.7	0.11	1.0	
99-87-6	p-Isopropyltoluene (p-Cymene)	9.45	0.097	1.0	
79-20-9	Methyl Acetate	6.76	0.45	1.0	MS-24
1634-04-4	Methyl tert-Butyl Ether (MTBE)	9.29	0.17	1.0	
108-87-2	Methyl Cyclohexane	9.56	0.24	1.0	
75-09-2	Methylene Chloride	9.56	0.23	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)	96.1	1.3	10	
91-20-3	Naphthalene	7.51	0.24	2.0	
103-65-1	n-Propylbenzene	10.2	0.086	1.0	
100-42-5	Styrene	10.4	0.11	1.0	
630-20-6	1,1,1,2-Tetrachloroethane	11.5	0.18	1.0	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305454-MSD1	File ID:	B22V10138.D
Sampled:		Prepared:	04/11/22 10:07	Analyzed:	04/11/22 23:01
Solids:		Preparation:	SW-846 5030B	Dilution:	
Batch:	B305454	Sequence:	S070273	Calibration:	2000186
Instrument:	GCMSVOA2				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	9.74	0.13	0.50	
127-18-4	Tetrachloroethylene	11.4	0.19	1.0	
109-99-9	Tetrahydrofuran	9.03	0.49	10	J
108-88-3	Toluene	10.4	0.22	1.0	
87-61-6	1,2,3-Trichlorobenzene	8.00	0.30	5.0	
120-82-1	1,2,4-Trichlorobenzene	8.63	0.25	1.0	
108-70-3	1,3,5-Trichlorobenzene	8.87	0.21	1.0	
71-55-6	1,1,1-Trichloroethane	10.5	0.17	1.0	
79-00-5	1,1,2-Trichloroethane	9.92	0.18	1.0	
79-01-6	Trichloroethylene	11.1	0.19	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)	10.1	0.18	2.0	
96-18-4	1,2,3-Trichloropropane	10.4	0.28	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	10.7	0.23	1.0	
95-63-6	1,2,4-Trimethylbenzene	9.60	0.20	1.0	
108-67-8	1,3,5-Trimethylbenzene	10.7	0.11	1.0	
75-01-4	Vinyl Chloride	10.1	0.21	2.0	
108383/106423	m+p Xylene	21.6	0.46	2.0	
95-47-6	o-Xylene	10.4	0.23	1.0	

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10138.D
Acq On : 11 Apr 2022 11:01 pm
Operator :
Sample : 22D0541-15MSD1 Inst : GCMSVOA2
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Apr 12 11:23:44 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) PENTAFLUOROBENZENE - ISTD	4.276	168	79919	30.00	UG/L		-0.01
44) 1,4-DIFLOUROBENZENE - ...	4.997	114	124191	30.00	UG/L		0.00
65) CHLOROBENZENE-D5 ISTD	7.831	82	67523	30.00	UG/L		0.00
84) 1,4-DICHLOROBENZENE-D4...	10.127	152	75548	30.00	UG/L		-0.01
System Monitoring Compounds							
2) 1,2-DICHLOROETHANE-D4 SS	4.560	65	44300	21.51	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.04%				
45) TOLUENE-D8 SS	6.427	98	121839	23.47	UG/L		-0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.88%				
66) 4-BROMOFLUROBENZENE SS	8.990	95	51333	24.49	UG/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.96%				
Target Compounds							Qvalue
3) DICHLORODIFLOUROMETHANE	1.124	85	15688	9.54	UG/L		99
4) DIFLUOROCHLOROMETHANE	1.135	51	20988	9.25	UG/L		99
5) CHLOROMETHANE	1.240	50	23278	4.66	UG/L		97
6) VINYL CHLORIDE	1.303	62	18869	10.11	UG/L		99
7) BROMOMETHANE	1.496	94	7361	16.98	UG/L		95
8) CHLOROETHANE	1.564	64	10932	10.69	UG/L		96
9) FLUORODICHLOROMETHANE	1.692	67	23497	9.17	UG/L		99
10) TRICHLOROFLUOROMETHANE	1.726	101	21333	10.08	UG/L		90
11) ETHANOL	1.871	45	2536m	97.92	UG/L		
12) DI ETHYL ETHER	1.922	59	10182	9.44	UG/L		94
13) ACROLEIN	2.025	56	28225	73.86	UG/L	#	98
14) ACETONE	2.141	43	52360	92.39	UG/L		100
15) 1,1-DICHLOROETHENE	2.087	61	25134	11.79	UG/L		98
16) 1,1,2-TRICL-1,2,2-TRIF...	2.082	101	10945	10.66	UG/L		96
17) IODOMETHANE	2.209	142	179193	161.72	UG/L		96
18) METHYL ACETATE	2.394	43	12137	6.76	UG/L		96
19) T-BUTYL ALCOHOL	2.593	59	19599	98.47	UG/L		96
20) ACRYLONITRILE	2.715	53	5829	9.33	UG/L		97
21) METHYLENE CHLORIDE	2.477	49	22237	9.56	UG/L		99
22) CARBON DISULFIDE	2.258	76	322695	95.31	UG/L		99
23) METHYL TERT-BUTYL ETHE...	2.715	73	30530	9.29	UG/L		99
24) TRANS 1,2-DICHLOROETHENE	2.712	61	21792	10.77	UG/L		99
25) 1,1-DICHLOROETHANE	3.136	63	25055	10.05	UG/L		98
26) VINYL ACETATE	3.201	43	283767	68.00	UG/L		98
27) DI ISOPROPYL ETHER	3.207	45	49232	9.03	UG/L		98
28) 2-BUTANONE	3.770	43	77656	87.88	UG/L		97
29) T-BUTYL ETHYL ETHER	3.579	59	43162	9.37	UG/L		97
30) CIS-1,2-DICHLOROETHENE	3.736	61	24028	10.02	UG/L		99
31) 2,2-DICHLOROPROPANE	3.727	77	14509	7.48	UG/L		97
32) ETHYL ACETATE	3.832	43	16472m	8.49	UG/L		
33) BROMOCHLOROMETHANE	3.983	128	5992	11.48	UG/L		97
34) TETRAHYDROFURAN	4.025	42	5017	9.03	UG/L		95
36) CHLOROFORM	4.065	83	22132	9.84	UG/L		98
37) 1,1,1-TRICHLOROETHANE	4.230	97	21119	10.46	UG/L		97
38) CYCLOHEXANE	4.270	56	30146	9.90	UG/L		97
39) CARBON TETRACHLORIDE	4.381	117	20599	11.33	UG/L		98
40) 1,1-DICHLOROPROPENE	4.395	75	17736	10.15	UG/L		97
41) BENZENE	4.599	78	46930	9.69	UG/L		98
42) T-AMYL ALCOHOL	4.656	59	13349	90.76	UG/L		96
43) T-AMYLMETHYL ETHER	4.722	73	31536m	9.41	UG/L		
46) 1,2-DICHLOROETHANE	4.636	62	21416	10.75	UG/L		97
47) TRICHLOROETHENE	5.239	95	13359	11.08	UG/L		96
48) METHYLCYCLOHEXANE	5.404	83	20391	9.56	UG/L		99

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10138.D
Acq On : 11 Apr 2022 11:01 pm
Operator :
Sample : 22D0541-15MSD1 Inst : GCMSVOA2
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Apr 12 11:23:44 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration

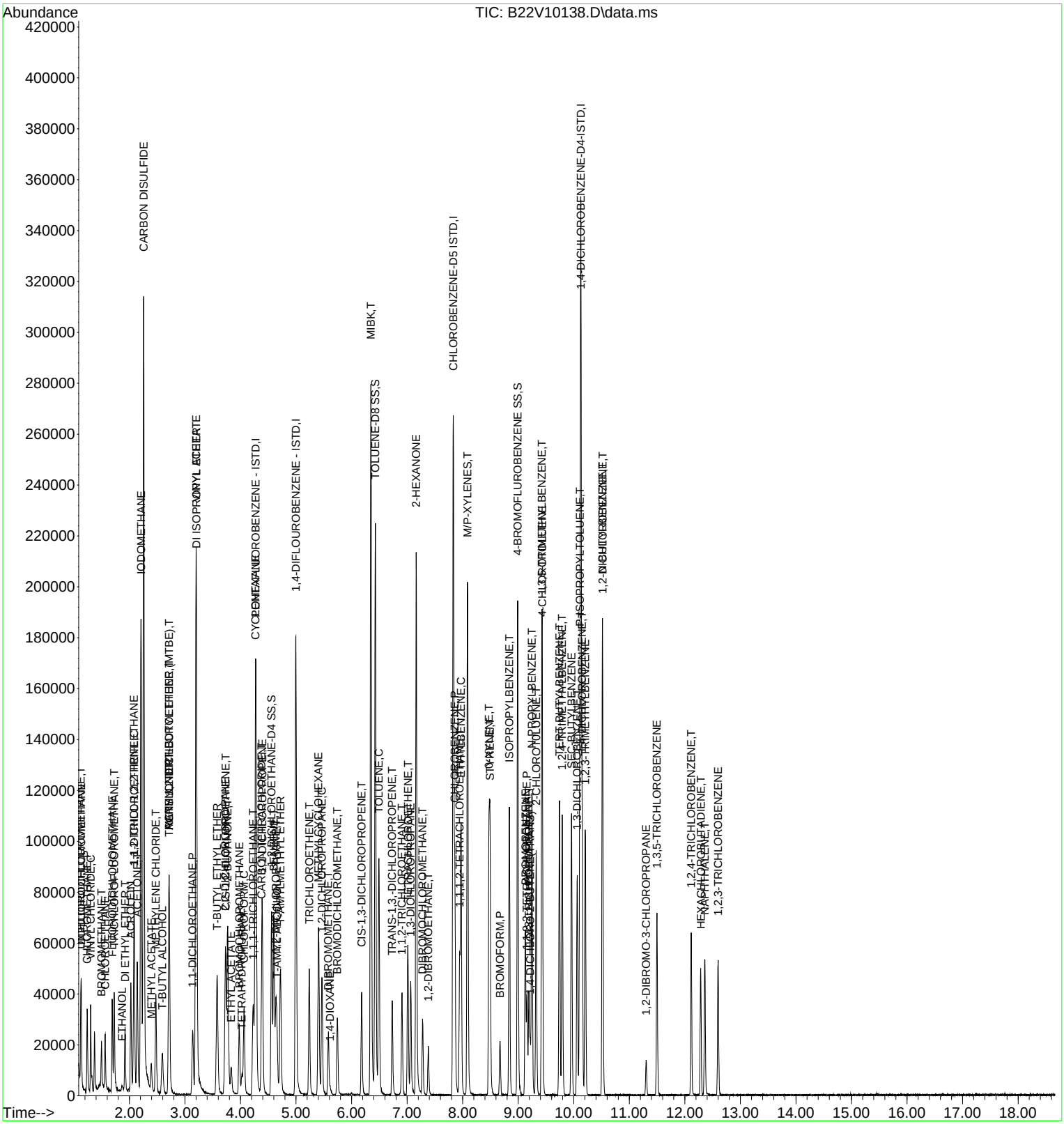
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) 1,2-DICHLOROPROPANE	5.466	63	13597	10.10	UG/L		98
50) DIBROMOMETHANE	5.580	93	7472	10.35	UG/L		91
51) 1,4-DIOXANE	5.611	88	1421m	96.73	UG/L		
52) BROMODICHLOROMETHANE	5.742	83	16299	10.22	UG/L		98
54) MIBK	6.347	43	177014	96.13	UG/L		100
55) CIS-1,3-DICHLOROPROPENE	6.182	75	16864	8.68	UG/L		99
56) TOLUENE	6.492	91	54980	10.42	UG/L		100
57) TRANS-1,3,-DICHLOROPRO...	6.731	75	14326	8.39	UG/L		99
59) 1,1,2-TRICHLOROETHANE	6.904	97	10035	9.92	UG/L		99
60) 2-HEXANONE	7.163	43	127656	92.54	UG/L		100
61) TETRACHLOROETHENE	7.015	164	11965	11.43	UG/L		97
62) 1,3-DICHLOROPROPANE	7.063	76	18158	9.83	UG/L		97
63) DIBROMOCHLOROMETHANE	7.277	129	12855	10.49	UG/L		100
64) 1,2-DIBROMOETHANE	7.382	107	10915	9.71	UG/L	#	98
67) CHLOROBENZENE	7.856	112	37223	10.82	UG/L		97
68) 1,1,1,2-TETRACHLOROETHANE	7.944	131	13166	11.46	UG/L		99
69) ETHYLBENZENE	7.970	91	64126	10.67	UG/L		100
70) M/P-XYLENES	8.087	91	101416	21.55	UG/L		100
71) 0-XYLENE	8.473	91	50416	10.43	UG/L		98
72) STYRENE	8.493	104	38335	10.36	UG/L		98
73) BROMOFORM	8.672	173	9067	10.66	UG/L	#	98
74) ISOPROPYLBENZENE	8.840	105	65036	10.69	UG/L		99
76) 1,1,2,2-TETRACHLOROETHANE	9.155	83	15454	9.74	UG/L		98
77) 1,4-DICHLORO-2-BUTENE(...	9.218	53	4907	8.48	UG/L		95
78) BROMOBENZENE	9.130	77	22396	10.17	UG/L		91
79) 1,2,3-TRICHLOROPROPANE	9.192	110	4531	10.39	UG/L		93
80) N-PROPYLBENZENE	9.246	91	77269	10.22	UG/L		98
81) 2-CHLOROT0LUENE	9.323	91	45040	10.40	UG/L		98
82) 1,3,5-TRIMETHYLBENZENE	9.425	105	55178	10.68	UG/L		100
83) 4-CHLOROTOLUENE	9.434	91	51874	10.29	UG/L		97
85) TERT-BUTYLBENZENE	9.743	119	47272	9.76	UG/L		100
86) 1,2,4-TRIMETHYLBENZENE	9.792	105	54004	9.60	UG/L		99
87) SEC-BUTYLBENZENE	9.959	105	67008	9.25	UG/L		99
88) 1,3-DICHLOROBENZENE	10.062	146	31417	9.86	UG/L		99
89) P-ISOPROPYLTOLUENE	10.110	119	57555	9.45	UG/L		98
90) 1,4-DICHLOROBENZENE	10.150	146	32115	9.72	UG/L		98
91) 1,2,3-TRIMETHYLBENZENE	10.207	105	53540	9.74	UG/L	#	100
92) N-BUTYLBENZENE	10.516	91	50996	8.68	UG/L		99
93) 1,2-DICHLOROBENZENE	10.519	146	29561	9.71	UG/L		99
94) 1,2-DIBROMO-3-CHLOROPR...	11.304	75	2725	7.98	UG/L		90
95) 1,3,5-TRICHLOROBENZENE	11.497	180	20524	8.87	UG/L		100
96) 1,2,4-TRICHLOROBENZENE	12.114	180	17499	8.63	UG/L		95
97) HEXACHLOROBUTADIENE	12.287	225	9096	8.70	UG/L		97
98) NAPHTHALENE	12.361	128	38791	7.51	UG/L		99
99) 1,2,3-TRICHLOROBENZENE	12.600	180	15210	8.00	UG/L		98

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

Quantitation Report (QT Reviewed)

Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10138.D
Acq On : 11 Apr 2022 11:01 pm
Operator :
Sample : 22D0541-15MSD1 Inst : GCMSVOA2
Misc :
ALS Vial : 38 Sample Multiplier: 1

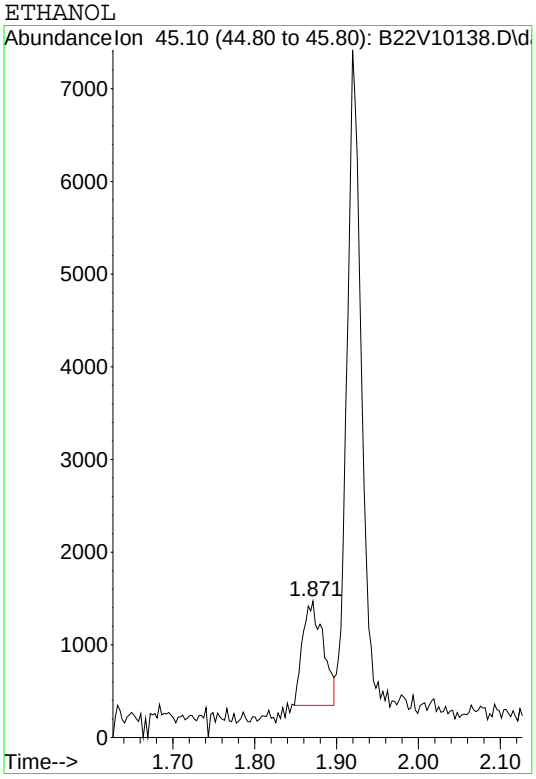
Quant Time: Apr 12 11:23:44 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
Quant Title : 8260 CALIBRATION VOAMS 5973
QLast Update : Mon Jan 17 11:21:23 2022
Response via : Initial Calibration



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10138.D
Acq On : 11 Apr 2022 11:01 pm
Operator :
Sample : 22D0541-15MSD1
Misc :

Quant Time : Tue Apr 12 11:23:44 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHANOL



Original Int. Results

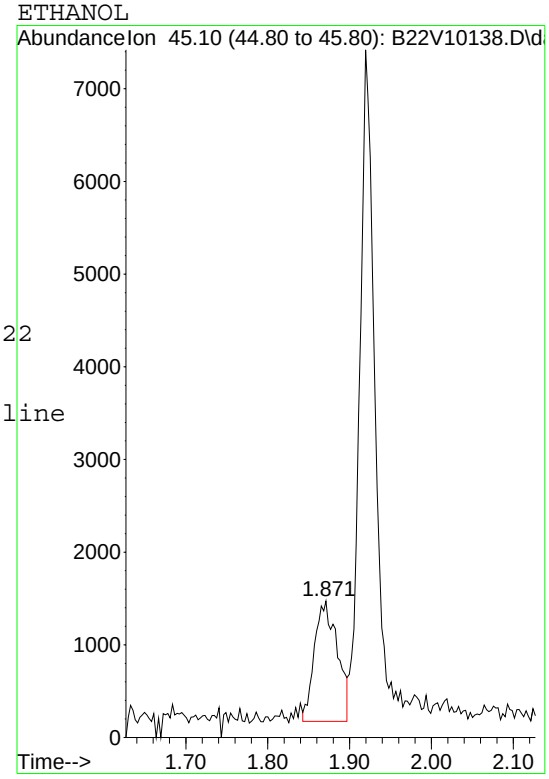
RT : 1.87
Area : 1974
Amount: 76.2176

Manual Int. Results

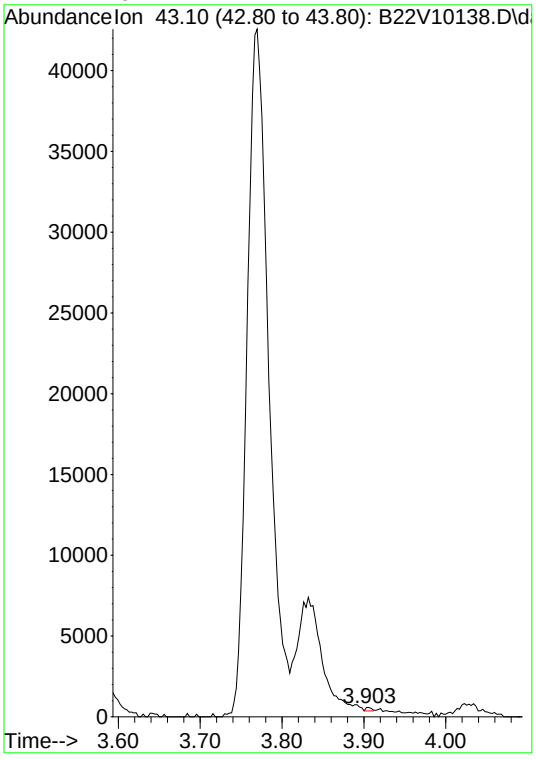
Tue Apr 12 11:22:47 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 1.87
Area : 2536
Amount: 97.9169

Manual Integration
ETHANOL



Original Integration
ETHYL ACETATE



Original Int. Results

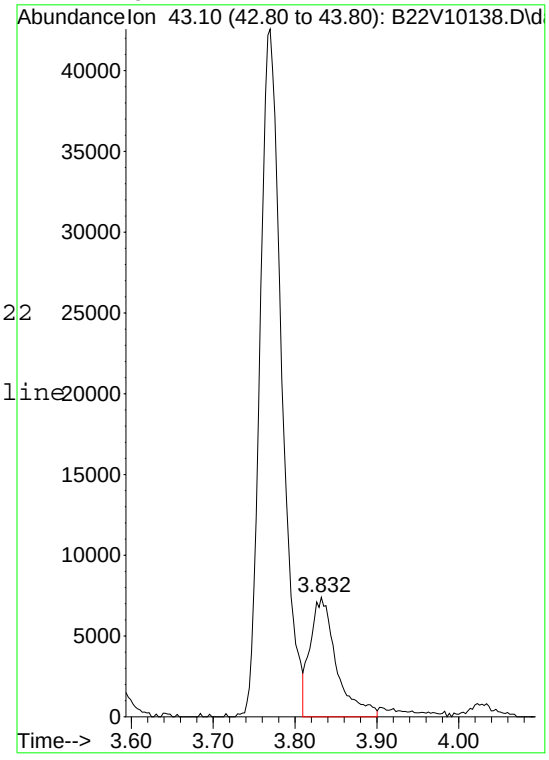
RT : 3.90
Area : 107
Amount: 0.0551697

Manual Int. Results

Tue Apr 12 11:23:11 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 3.83
Area : 16472
Amount: 8.49304

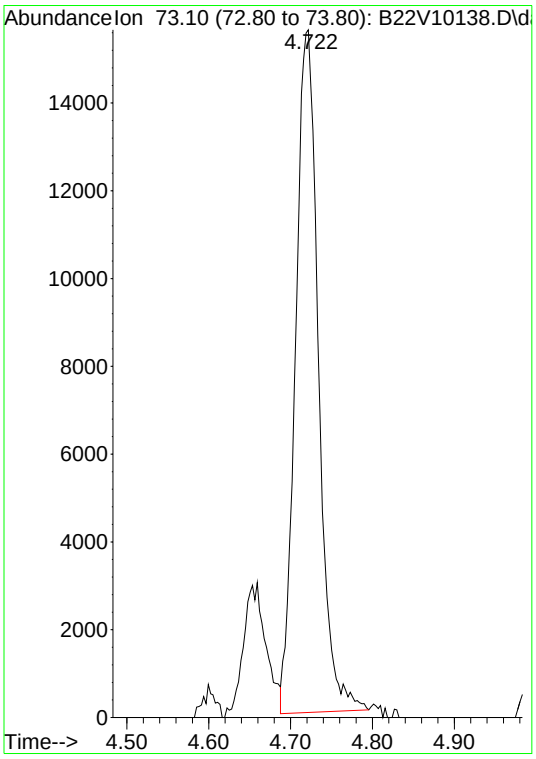
Manual Integration
ETHYL ACETATE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10138.D
Acq On : 11 Apr 2022 11:01 pm
Operator :
Sample : 22D0541-15MSD1
Misc :

Quant Time : Tue Apr 12 11:23:44 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
T-AMYLMETHYL ETHER



Original Int. Results

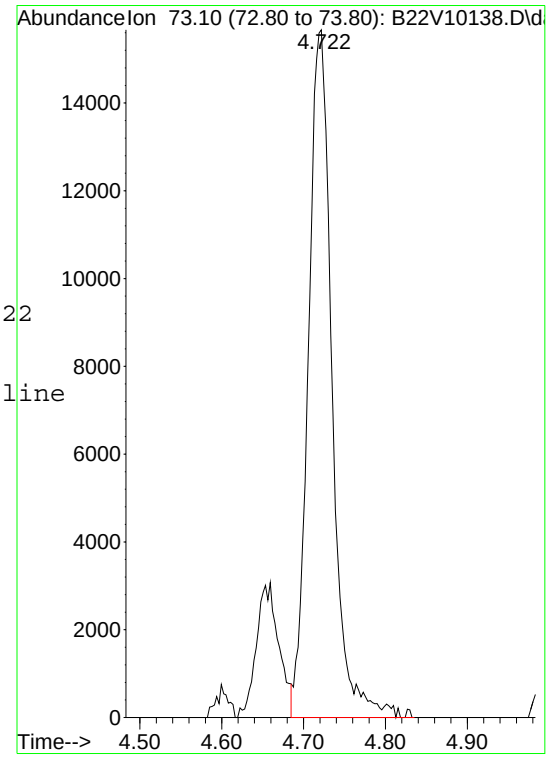
RT : 4.72
Area : 30240
Amount: 9.02015

Manual Int. Results

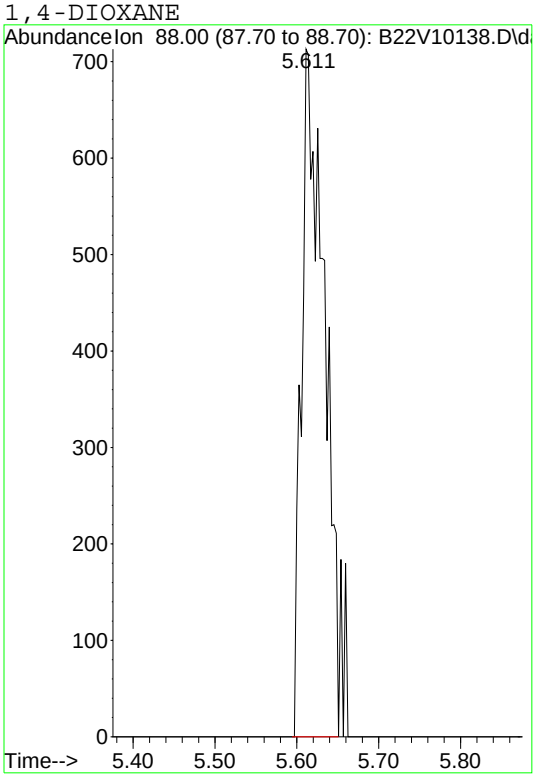
Tue Apr 12 11:23:21 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 4.72
Area : 31536
Amount: 9.40673

Manual Integration
T-AMYLMETHYL ETHER



Original Integration
1,4-DIOXANE



Original Int. Results

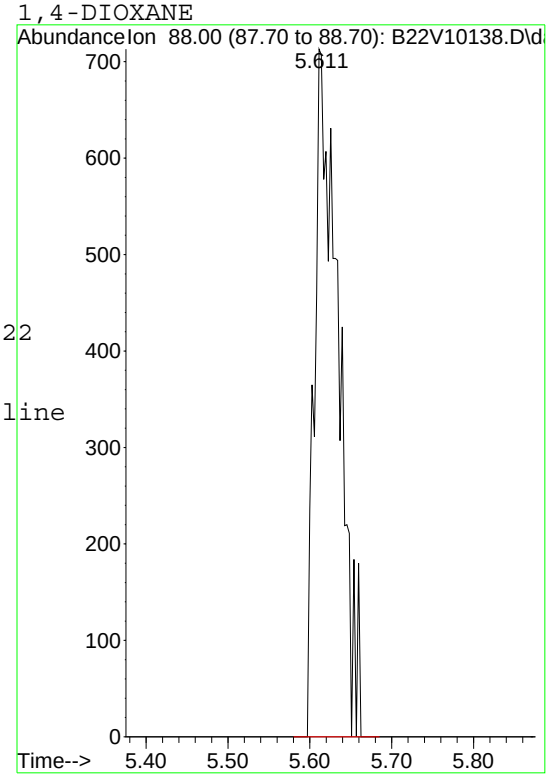
RT : 5.61
Area : 1359
Amount: 93.101

Manual Int. Results

Tue Apr 12 11:23:27 2022

MIuser: LBD
Reason: Incorrect Baseline
RT : 5.61
Area : 1421
Amount: 96.7272

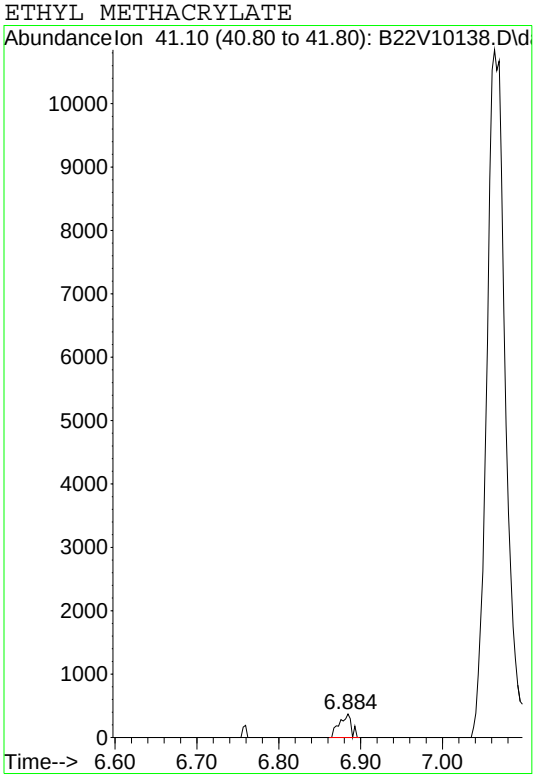
Manual Integration
1,4-DIOXANE



Data Path : \\Voa2\MSDChem\1\DATA\B041122\
Data File : B22V10138.D
Acq On : 11 Apr 2022 11:01 pm
Operator :
Sample : 22D0541-15MSD1
Misc :

Quant Time : Tue Apr 12 11:23:44 2022
Quant Method : C:\MSDCHEM\1\METHODS\B060920W.M
QLast Update : Mon Jan 17 11:21:23 2022

Original Integration
ETHYL METHACRYLATE



Original Int. Results

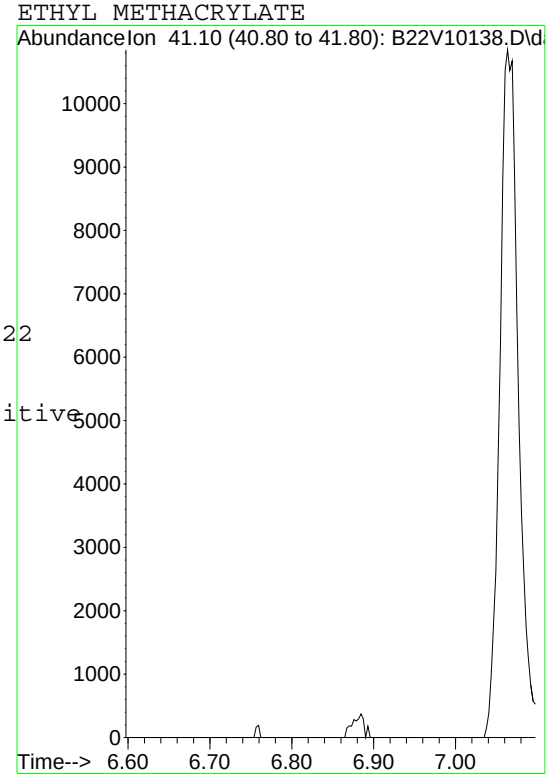
RT : 6.88
Area : 375
Amount: 0

Manual Int. Results

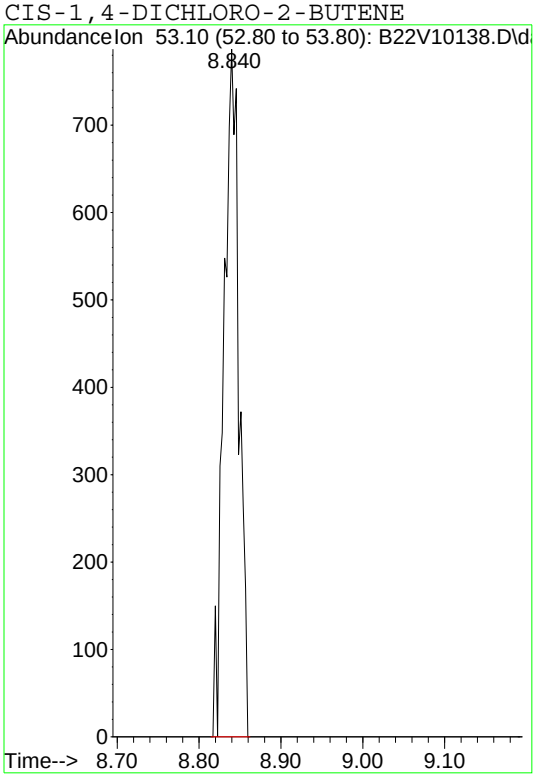
Tue Apr 12 11:23:33 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
ETHYL METHACRYLATE



Original Integration
CIS-1,4-DICHLORO-2-BUTENE



Original Int. Results

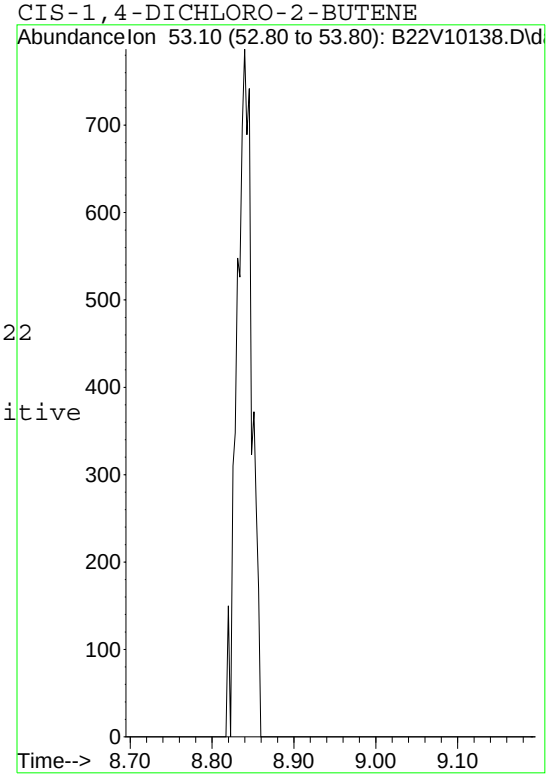
RT : 8.84
Area : 1011
Amount: 0

Manual Int. Results

Tue Apr 12 11:23:43 2022

MIuser: LBD
Reason: Qdel False Positive
RT : 0.00
Area : 0
Amount: 0

Manual Integration
CIS-1,4-DICHLORO-2-BUTENE



VOC DEPARTMENT | PREPARATION BENCH SHEET | Rev.03

B305454

CON-TEST ANALYTICAL LABORATORY

Printed: 4/13/2022 12:11:30PM

Matrix: Water **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2203346**

Lab Number	Sample Name	Analysis	Due Date	TAT	Initial (mL)	Final (mL)	Spike ID	uL Spike
22D0541-01	907017-MW-116S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-02	907017-MW-109S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-03	907017-MW-113S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-04	907017-DUP-040620	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-05	907017-MW-101	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-06	907017-MW-117S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-07	907017-MW-118S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-08	907017-MW-114S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-09	907017-MW-115S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-10	907017-MW-102I	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-11	907017-MW-102S	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-12	907017-MW-117D	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-13	907017-MW-117I	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-14	907017-MW-109I	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-15	907017-MW-109D	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-16	907017-RB-040520	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-17	907017-FB-040520	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-18	907017-RB-040620	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-19	907017-FB-040620	8260 Standard	04/19/22 15:30	7	5	5		
22D0541-20	Trip Blank	8260 Standard	04/19/22 15:30	7	5	5		
B305454-BLK1	Blank	QC			5	5		
B305454-BS1	LCS	QC			5	5	2204076	5
B305454-BSD1	LCS Dup	QC			5	5	2204076	5

533

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

VOC DEPARTMENT | PREPARATION BENCH SHEET | Rev.03

B305454

CON-TEST ANALYTICAL LABORATORY

Printed: 4/13/2022 12:11:30PM

Matrix: Water **Prepared using: VOC - SW-846 5030B** **Surrogate used: 2203346**

Lab Number	Sample Name	Analysis	Due Date	TAT	Initial (mL)	Final (mL)	Spike ID	uL Spike
B305454-MS1	Matrix Spike	QC			5	5	2204076	5
B305454-MSD1	Matrix Spike Dup	QC			5	5	2204076	5

4/11/22#2 1ST

534

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

Injection Log

C:\MSDChem\1\DATA\B041122\

Date	Filename	Lab ID	Sample Info	
11 Apr 2022 6:33 am	B22V10101.D	BLK		
11 Apr 2022 7:13 am	B22V10102.D	22D0565-03 @ 200X		
11 Apr 2022 7:39 am	B22V10103.D	22D0565-01 @ 200X		
11 Apr 2022 8:06 am	B22V10104.D	22D0565-02 @ 200X		
11 Apr 2022 8:32 am	B22V10105.D	22D0565-04 @ 200X		
11 Apr 2022 8:58 am	B22V10106.D	22D0546-08 @ 100X		
11 Apr 2022 9:25 am	B22V10107.D	22D0546-09 @ 100X		
11 Apr 2022 9:51 am	B22V10108.D	22D0546-10 @ 100X		
11 Apr 2022 10:18 am	B22V10109.D	22D0546-11 @ 100X		
11 Apr 2022 10:44 am	B22V10110.D	22D0546-17 @ 100X		
11 Apr 2022 11:10 am	B22V10111.D	PRIME		
11 Apr 2022 11:37 am	B22V10112.D	BFB / 8260 STD 10 PPB 2204075		
11 Apr 2022 12:03 pm	B22V10113.D	BO-BS1 @ RCP		
11 Apr 2022 12:29 pm	B22V10114.D	BO-BSD1 @ RCP		
11 Apr 2022 12:56 pm	B22V10115.D	BLK		
11 Apr 2022 1:22 pm	B22V10116.D	BO-BLK1		
11 Apr 2022 1:48 pm	B22V10117.D	22D0541-20 @ TB		
11 Apr 2022 2:15 pm	B22V10118.D	22D0541-01		
11 Apr 2022 2:41 pm	B22V10119.D	22D0541-02		
11 Apr 2022 3:07 pm	B22V10120.D	22D0541-03		
11 Apr 2022 3:34 pm	B22V10121.D	22D0541-04		
11 Apr 2022 4:00 pm	B22V10122.D	22D0541-05		
11 Apr 2022 4:26 pm	B22V10123.D	22D0541-06		
11 Apr 2022 4:53 pm	B22V10124.D	22D0541-07		
11 Apr 2022 5:19 pm	B22V10125.D	22D0541-08		
11 Apr 2022 5:45 pm	B22V10126.D	22D0541-09		
11 Apr 2022 6:12 pm	B22V10127.D	22D0541-10		
11 Apr 2022 6:38 pm	B22V10128.D	22D0541-11		
11 Apr 2022 7:04 pm	B22V10129.D	22D0541-12		
11 Apr 2022 7:31 pm	B22V10130.D	22D0541-13		
11 Apr 2022 7:57 pm	B22V10131.D	22D0541-14		
11 Apr 2022 8:23 pm	B22V10132.D	22D0541-15		
11 Apr 2022 8:49 pm	B22V10133.D	22D0541-16		
11 Apr 2022 9:16 pm	B22V10134.D	22D0541-17		
11 Apr 2022 9:42 pm	B22V10135.D	22D0541-18		
11 Apr 2022 10:08 pm	B22V10136.D	22D0541-19		
11 Apr 2022 10:35 pm	B22V10137.D	22D0541-15MS1		
11 Apr 2022 11:01 pm	B22V10138.D	22D0541-15MSD1		
11 Apr 2022 11:27 pm	B22V10139.D	BLK		
11 Apr 2022 11:54 pm	B22V10140.D	PRIME		
12 Apr 2022 12:20 am	B22V10141.D	BFB / 8260 STD 10 PPB 2204075		
12 Apr 2022 12:46 am	B22V10142.D	BO-BS1 @ (RCP)		
12 Apr 2022 1:12 am	B22V10143.D	BO-BSD1 @ (RCP)		
12 Apr 2022 1:39 am	B22V10144.D	BLK		
12 Apr 2022 2:05 am	B22V10145.D	BO-BLK1		
12 Apr 2022 2:31 am	B22V10146.D	22D0620-07 @ TB		
12 Apr 2022 2:58 am	B22V10147.D	22D0620-01		
12 Apr 2022 3:24 am	B22V10148.D	22D0620-02		
12 Apr 2022 3:50 am	B22V10149.D	22D0620-06		
12 Apr 2022 4:17 am	B22V10150.D	22D0620-04 @ 100X		100
12 Apr 2022 4:43 am	B22V10151.D	22D0620-05 @ 20X		20
12 Apr 2022 5:09 am	B22V10152.D	BLK		
12 Apr 2022 5:36 am	B22V10153.D	22D0595-10 @ 10X		10
12 Apr 2022 6:02 am	B22V10154.D	22D0595-11 @ 10X		10
12 Apr 2022 6:28 am	B22V10155.D	22D0595-12 @ 25X		25
12 Apr 2022 6:55 am	B22V10156.D	22D0595-13 @ 2X		2
12 Apr 2022 7:21 am	B22V10157.D	22D0595-14 @ 10X		10

pH<2
Except:
22D0541-20 A pH 5
22D0595-15 B pH 5

Injection Log

C:\MSDChem\1\DATA\B041122\

Date	Filename	Lab ID	Sample Info
12 Apr 2022 7:47 am	B22V10158.D	22D0595-15 @ 10X	10
12 Apr 2022 8:14 am	B22V10159.D	22D0595-16 @ 2X M	2
12 Apr 2022 8:40 am	B22V10160.D	BLK	
12 Apr 2022 9:07 am	B22V10161.D	22D0665-01	
12 Apr 2022 9:33 am	B22V10162.D	22D0665-02	
12 Apr 2022 9:59 am	B22V10163.D	22D0665-03	
12 Apr 2022 10:26 am	B22V10164.D	22D0439-01	

SVOA

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01	File ID:	D22S105021.D
Sampled:	04/06/22 09:19	Prepared:	04/13/22 07:43	Analyzed:	04/15/22 16:03
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1020 mL / 1 mL				
Batch:	B305646	Sequence:	S070424	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.51	4.9	
208-96-8	Acenaphthylene		0.47	4.9	
98-86-2	Acetophenone		0.52	9.8	
62-53-3	Aniline		0.68	4.9	V-05
120-12-7	Anthracene		0.45	4.9	
92-87-5	Benzidine		10	20	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.40	4.9	
50-32-8	Benzo(a)pyrene		0.56	4.9	
205-99-2	Benzo(b)fluoranthene		0.46	4.9	
191-24-2	Benzo(g,h,i)perylene		0.60	4.9	
207-08-9	Benzo(k)fluoranthene		0.48	4.9	
65-85-0	Benzoic Acid		8.3	9.8	
111-91-1	Bis(2-chloroethoxy)methane		0.45	9.8	
111-44-4	Bis(2-chloroethyl)ether		0.56	9.8	V-05
108-60-1	Bis(2-chloroisopropyl)ether		0.67	9.8	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.82	9.8	
101-55-3	4-Bromophenylphenylether		0.46	9.8	
85-68-7	Butylbenzylphthalate		0.66	9.8	
86-74-8	Carbazole		0.42	9.8	
106-47-8	4-Chloroaniline		0.56	9.8	V-34
59-50-7	4-Chloro-3-methylphenol		0.55	9.8	
91-58-7	2-Chloronaphthalene		0.48	9.8	
95-57-8	2-Chlorophenol		0.46	9.8	
7005-72-3	4-Chlorophenylphenylether		0.47	9.8	
218-01-9	Chrysene		0.39	4.9	
53-70-3	Dibenz(a,h)anthracene		0.68	4.9	
132-64-9	Dibenzofuran		0.48	4.9	
84-74-2	Di-n-butylphthalate		0.45	9.8	
95-50-1	1,2-Dichlorobenzene		0.65	4.9	
541-73-1	1,3-Dichlorobenzene		0.66	4.9	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01	File ID:	D22S105021.D
Sampled:	04/06/22 09:19	Prepared:	04/13/22 07:43	Analyzed:	04/15/22 16:03
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1020 mL / 1 mL				
Batch:	B305646	Sequence:	S070424	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.65	4.9	
91-94-1	3,3-Dichlorobenzidine		0.70	9.8	
120-83-2	2,4-Dichlorophenol		0.47	9.8	
84-66-2	Diethylphthalate		0.41	9.8	
105-67-9	2,4-Dimethylphenol		0.69	9.8	
131-11-3	Dimethylphthalate		0.37	9.8	
534-52-1	4,6-Dinitro-2-methylphenol		6.9	9.8	
51-28-5	2,4-Dinitrophenol		7.9	9.8	
121-14-2	2,4-Dinitrotoluene		0.60	9.8	
606-20-2	2,6-Dinitrotoluene		0.51	9.8	
117-84-0	Di-n-octylphthalate		3.9	9.8	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.56	9.8	
206-44-0	Fluoranthene		0.42	4.9	
86-73-7	Fluorene		0.51	4.9	
118-74-1	Hexachlorobenzene		0.50	9.8	
87-68-3	Hexachlorobutadiene		0.76	9.8	
77-47-4	Hexachlorocyclopentadiene		3.6	9.8	
67-72-1	Hexachloroethane		0.73	9.8	
193-39-5	Indeno(1,2,3-cd)pyrene		0.73	4.9	
78-59-1	Isophorone		0.54	9.8	
90-12-0	1-Methylnaphthalene		0.59	4.9	
91-57-6	2-Methylnaphthalene		0.68	4.9	
95-48-7	2-Methylphenol		0.47	9.8	
108-39-4/106-4	3/4-Methylphenol		0.45	9.8	
91-20-3	Naphthalene		0.60	4.9	
88-74-4	2-Nitroaniline		0.68	9.8	
99-09-2	3-Nitroaniline		0.58	9.8	
100-01-6	4-Nitroaniline		0.59	9.8	
98-95-3	Nitrobenzene		0.61	9.8	
88-75-5	2-Nitrophenol		0.50	9.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01	File ID:	D22S105021.D
Sampled:	04/06/22 09:19	Prepared:	04/13/22 07:43	Analyzed:	04/15/22 16:03
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1020 mL / 1 mL				
Batch:	B305646	Sequence:	S070424	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	9.8	
62-75-9	N-Nitrosodimethylamine		0.77	9.8	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.8	
621-64-7	N-Nitrosodi-n-propylamine		0.60	9.8	
82-68-8	Pentachloronitrobenzene		0.61	9.8	
87-86-5	Pentachlorophenol		3.4	9.8	
85-01-8	Phenanthrene		0.47	4.9	
108-95-2	Phenol		0.22	9.8	
129-00-0	Pyrene		0.60	4.9	
110-86-1	Pyridine		2.4	4.9	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.64	9.8	
120-82-1	1,2,4-Trichlorobenzene		0.66	4.9	
95-95-4	2,4,5-Trichlorophenol		0.50	9.8	
88-06-2	2,4,6-Trichlorophenol		0.44	9.8	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105021.D
Acq On : 15 Apr 2022 4:03 pm
Operator : BGL
Sample : 22D0541-01 Inst : GCMSSV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

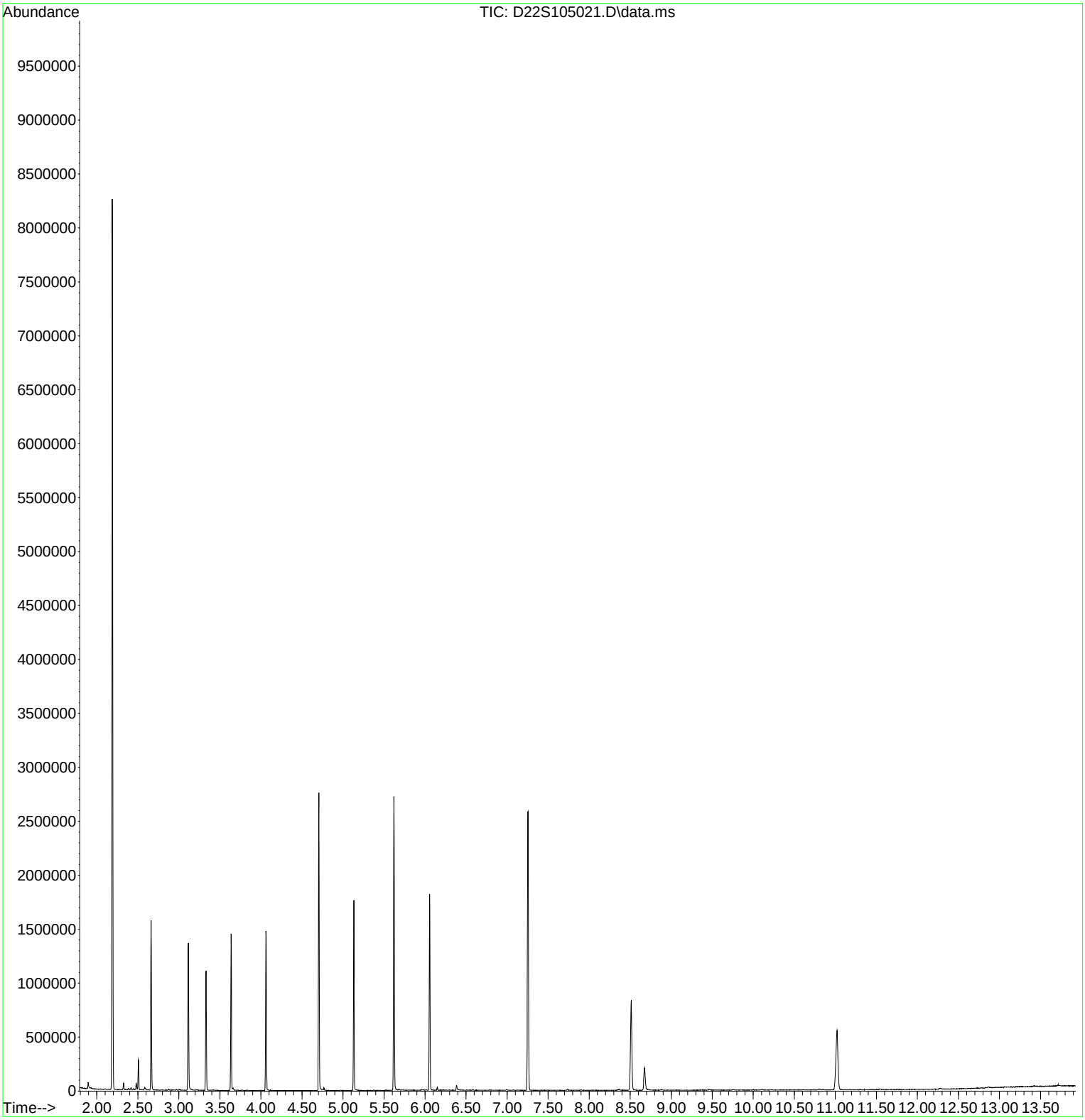
Quant Time: Apr 16 08:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	115720	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	452021	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	254234	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	456758	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.512	240	343160	40.00	ug/ml	0.00
80) PERYLENE-D12	11.020	264	322809	40.00	ug/ml	0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	266496	74.12	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.06%			
3) Phenol-d6	3.115	99	310813	53.49	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 26.75%#			
20) Nitrobenzene-d5	3.636	82	296532	60.95	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.95%			
36) 2-Fluorobiphenyl	4.707	172	559270	66.78	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 66.78%			
37) 2,4,6-Tribromophenol	5.621	330	178695	160.55	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 80.28%			
72) Terphenyl-d14	7.256	244	759376	76.82	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.82%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105021.D
Acq On : 15 Apr 2022 4:03 pm
Operator : BGL
Sample : 22D0541-01 Inst : GCMSSV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

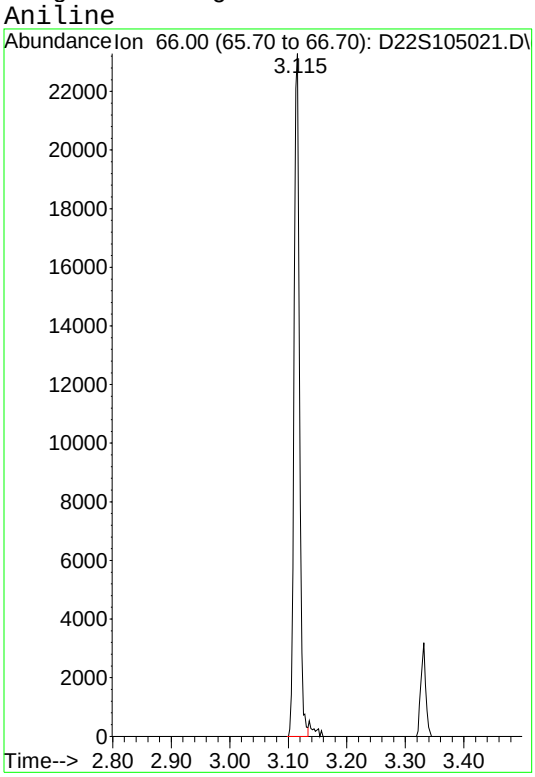
Quant Time: Apr 16 08:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105021.D
Acq On : 15 Apr 2022 4:03 pm
Operator : BGL
Sample : 22D0541-01
Misc :

Quant Time : Sat Apr 16 08:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

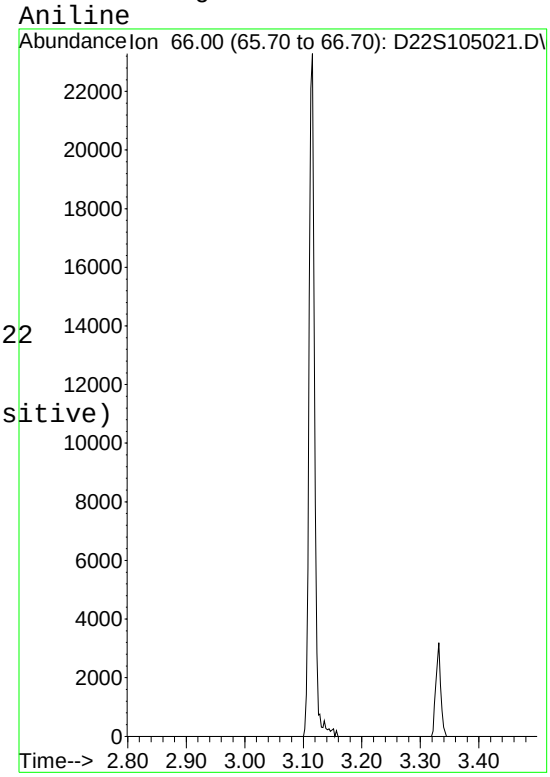
RT : 3.12
Area : 14724
Amount: 6.13529

Manual Int. Results

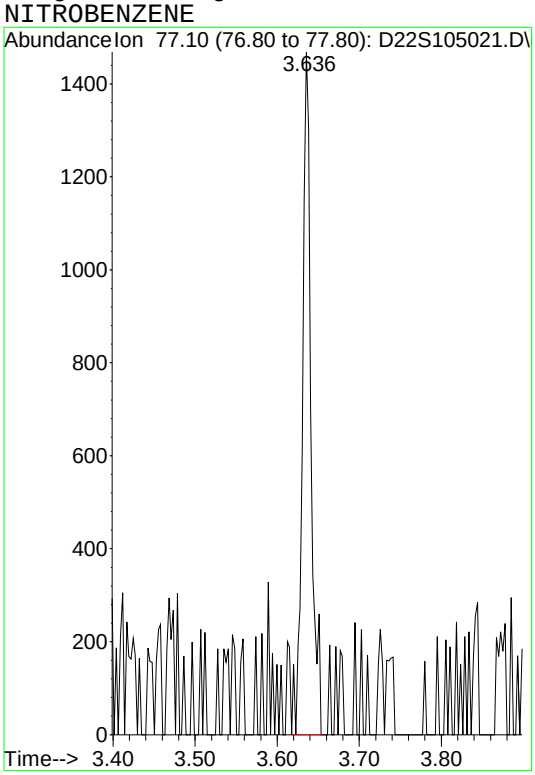
Sat Apr 16 08:01:21 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

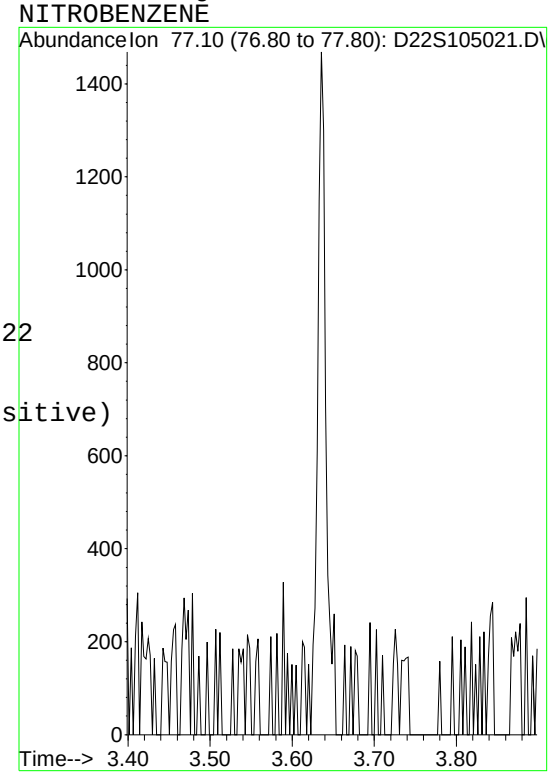
RT : 3.64
Area : 1059
Amount: 0.203376

Manual Int. Results

Sat Apr 16 08:01:30 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

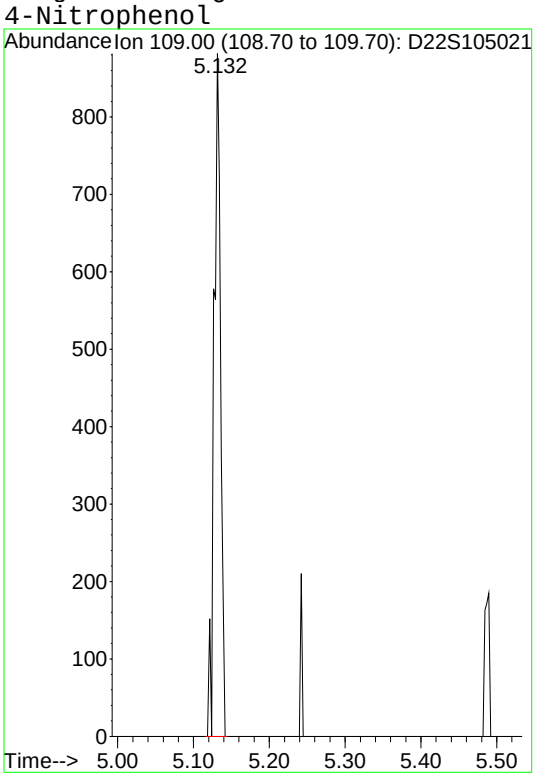
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105021.D
Acq On : 15 Apr 2022 4:03 pm
Operator : BGL
Sample : 22D0541-01
Misc :

Quant Time : Sat Apr 16 08:01:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

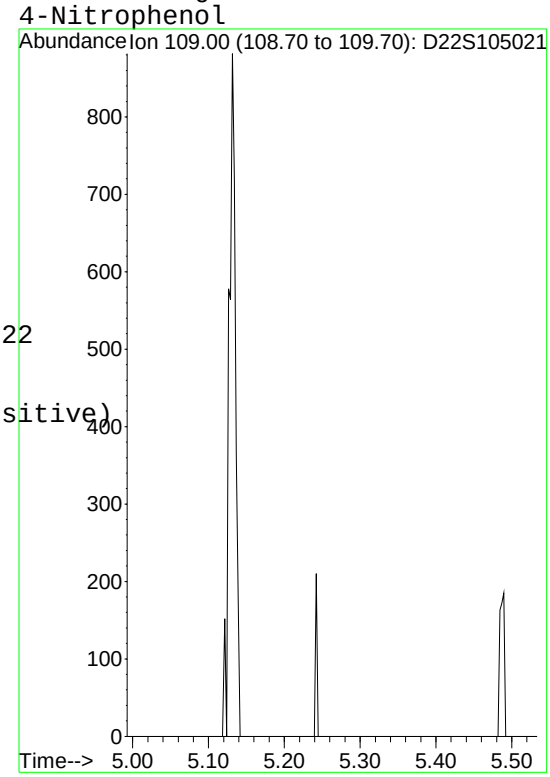
RT : 5.13
Area : 531
Amount: 0.339108

Manual Int. Results

Sat Apr 16 08:01:25 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02	File ID:	D22S105022.D
Sampled:	04/06/22 09:15	Prepared:	04/13/22 07:43	Analyzed:	04/15/22 16:30
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305646	Sequence:	S070424	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	V-05
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02	File ID:	D22S105022.D
Sampled:	04/06/22 09:15	Prepared:	04/13/22 07:43	Analyzed:	04/15/22 16:30
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305646	Sequence:	S070424	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02	File ID:	D22S105022.D
Sampled:	04/06/22 09:15	Prepared:	04/13/22 07:43	Analyzed:	04/15/22 16:30
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305646	Sequence:	S070424	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105022.D
Acq On : 15 Apr 2022 4:30 pm
Operator : BGL
Sample : 22D0541-02 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 16 08:02:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	118687	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	465776	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	266709	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	479822	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.512	240	368315	40.00	ug/ml	0.00
80) PERYLENE-D12	11.020	264	349054	40.00	ug/ml	0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	203749	55.25	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 27.63%#			
3) Phenol-d6	3.115	99	219621	36.85	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 18.43%#			
20) Nitrobenzene-d5	3.635	82	313826	62.60	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 62.60%			
36) 2-Fluorobiphenyl	4.707	172	609188	69.34	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.34%			
37) 2,4,6-Tribromophenol	5.623	330	183427	157.09	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 78.55%			
72) Terphenyl-d14	7.256	244	799937	75.39	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 75.39%			
Target Compounds						Qvalue
52) Dibenzofuran	5.294	168	2421	0.21	ug/ml#	48

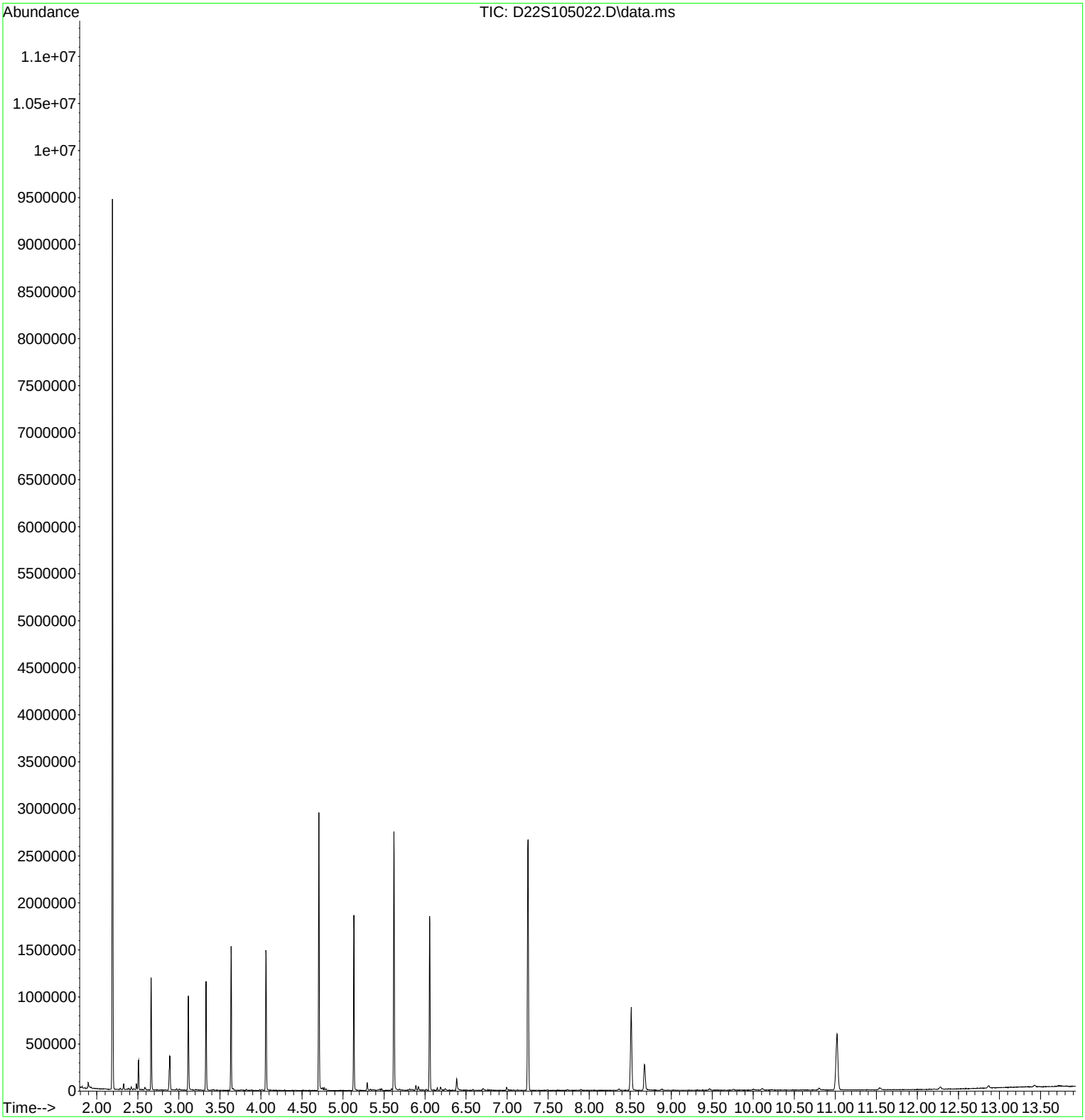
(#) = qualifier out of range (m) = manual integration (+) = signals summed

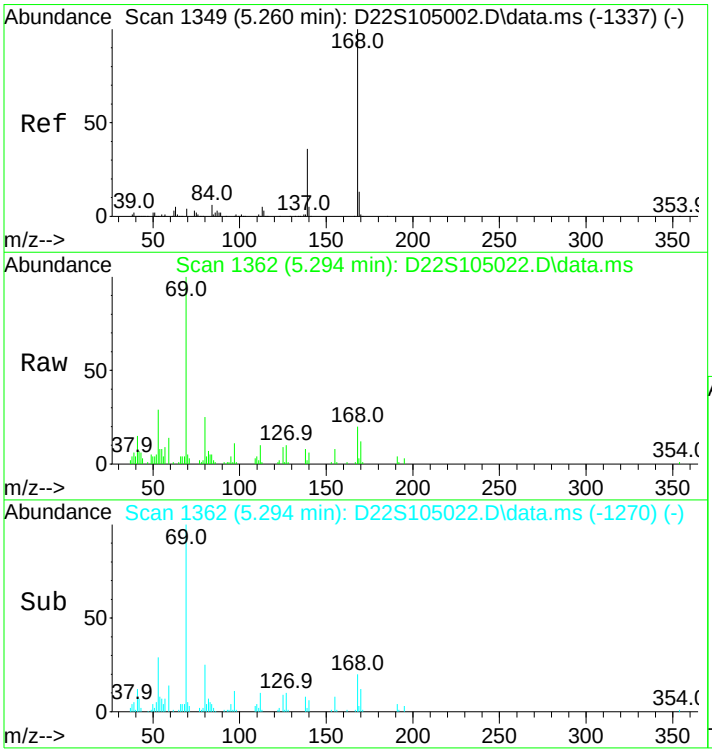
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105022.D
Acq On : 15 Apr 2022 4:30 pm
Operator : BGL
Sample : 22D0541-02 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

550

Quant Time: Apr 16 08:02:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

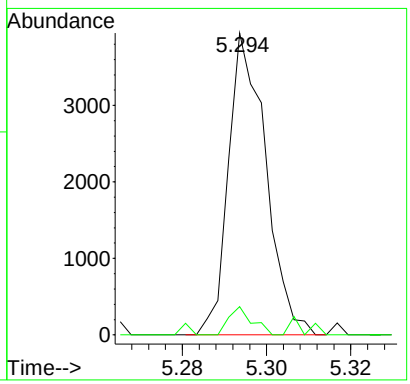




#52
Dibenzofuran
Concen: 0.21 ug/ml
RT: 5.294 min Scan# 1362
Delta R.T. 0.036 min
Lab File: D22S105022.D
Acq: 15 Apr 2022 4:30 pm

Tgt Ion:168 Resp: 2421

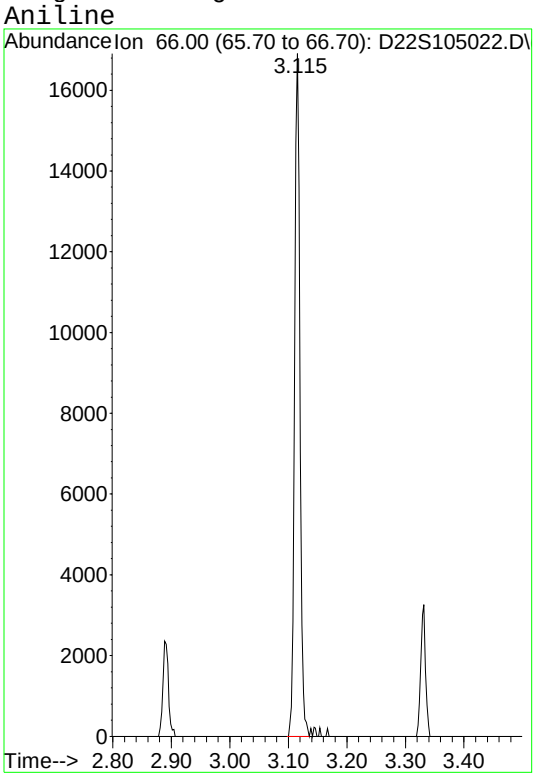
Ion	Ratio	Lower	Upper
168	100		
139	5.8	16.8	56.8#



Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105022.D
Acq On : 15 Apr 2022 4:30 pm
Operator : BGL
Sample : 22D0541-02
Misc :

Quant Time : Sat Apr 16 08:02:23 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

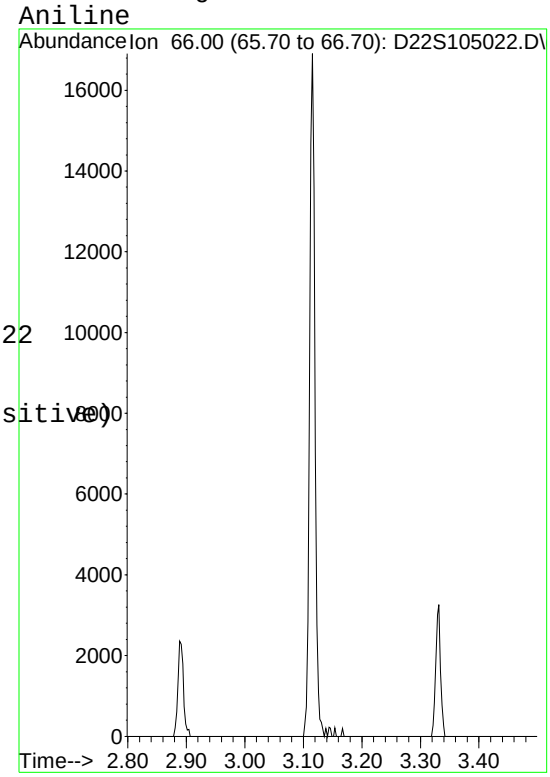
RT : 3.12
Area : 10583
Amount: 4.29955

Manual Int. Results

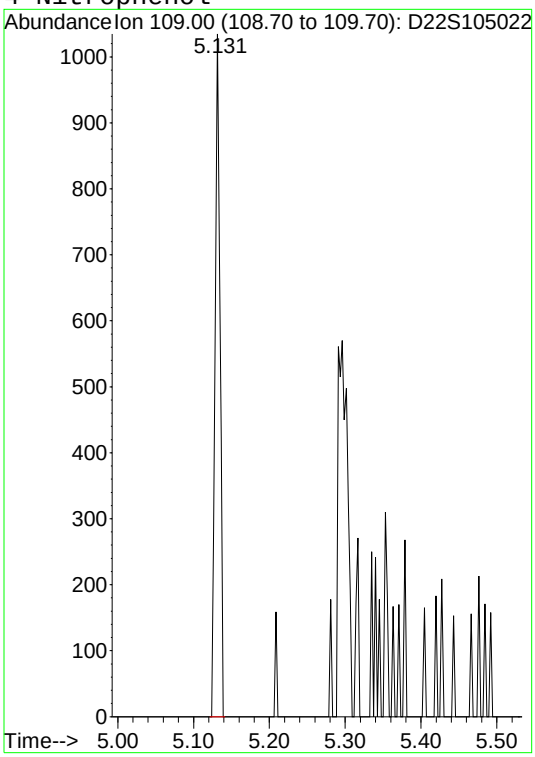
Sat Apr 16 08:02:18 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
4-Nitrophenol



Original Int. Results

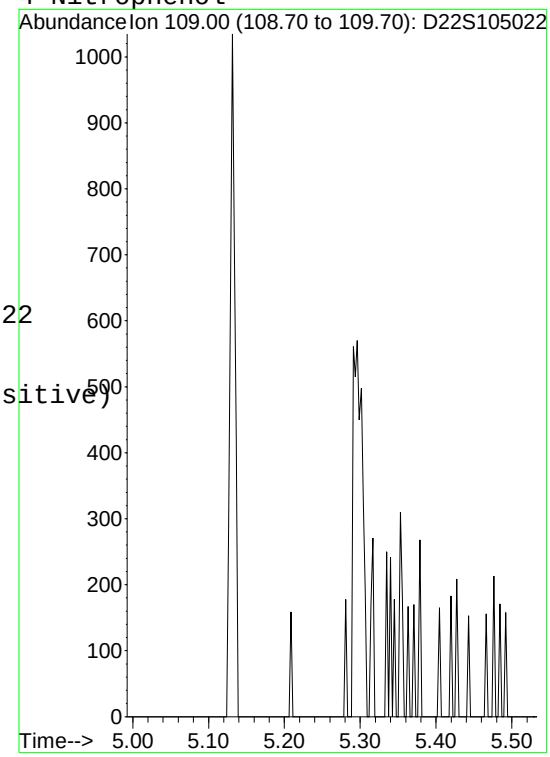
RT : 5.13
Area : 478
Amount: 0.290983

Manual Int. Results

Sat Apr 16 08:02:23 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03	File ID:	D22S103025.D
Sampled:	04/05/22 17:23	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:01
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03	File ID:	D22S103025.D
Sampled:	04/05/22 17:23	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:01
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03	File ID:	D22S103025.D
Sampled:	04/05/22 17:23	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:01
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103025.D
Acq On : 13 Apr 2022 8:01 pm
Operator : BGL
Sample : 22D0541-03@/stdw Inst : GCMSSV4
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 14 09:31:06 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

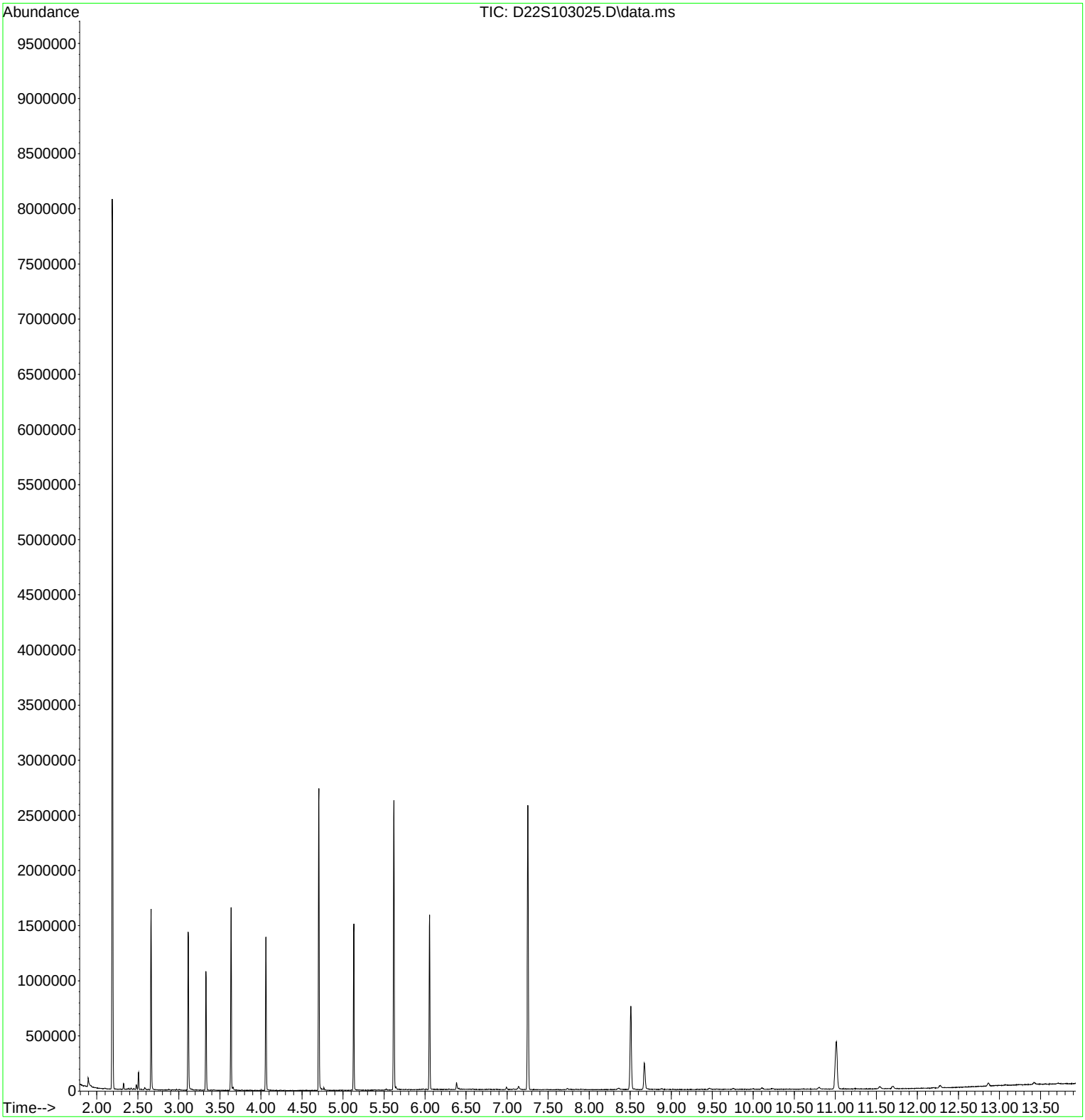
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	106843	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	409405	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	220243	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	394133	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.507	240	298045	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	245649	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	280409	84.47	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 42.23%			
3) Phenol-d6	3.113	99	318034	59.28	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 29.64%#			
20) Nitrobenzene-d5	3.636	82	329334	74.74	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 74.74%			
36) 2-Fluorobiphenyl	4.707	172	562318	77.51	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.51%			
37) 2,4,6-Tribromophenol	5.621	330	169312	175.60	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 87.80%			
72) Terphenyl-d14	7.253	244	729549	84.97	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 84.97%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103025.D
Acq On : 13 Apr 2022 8:01 pm
Operator : BGL
Sample : 22D0541-03@/stdw Inst : GCMSSV4
Misc :
ALS Vial : 25 Sample Multiplier: 1

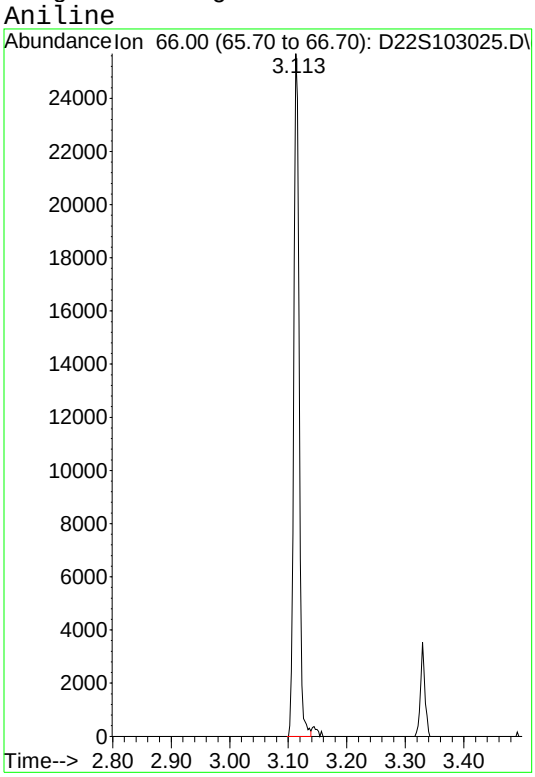
Quant Time: Apr 14 09:31:06 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103025.D
Acq On : 13 Apr 2022 8:01 pm
Operator : BGL
Sample : 22D0541-03@/stdw
Misc :

Quant Time : Thu Apr 14 09:31:06 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

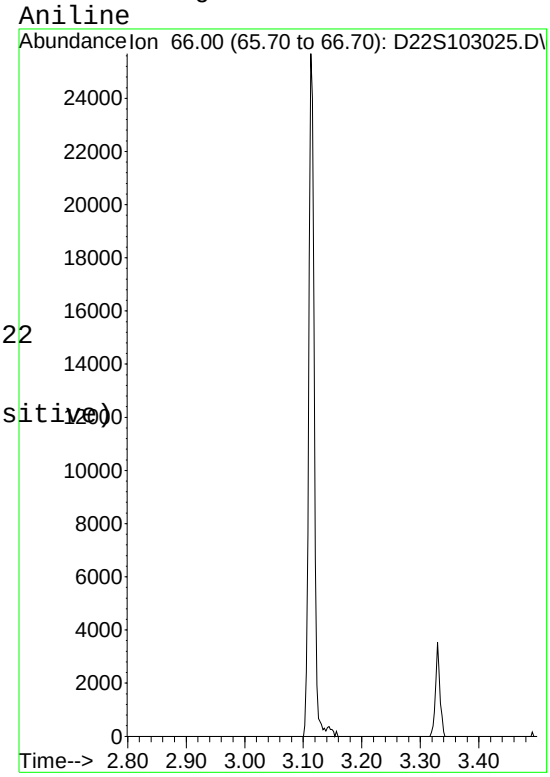
RT : 3.11
Area : 16157
Amount: 7.29176

Manual Int. Results

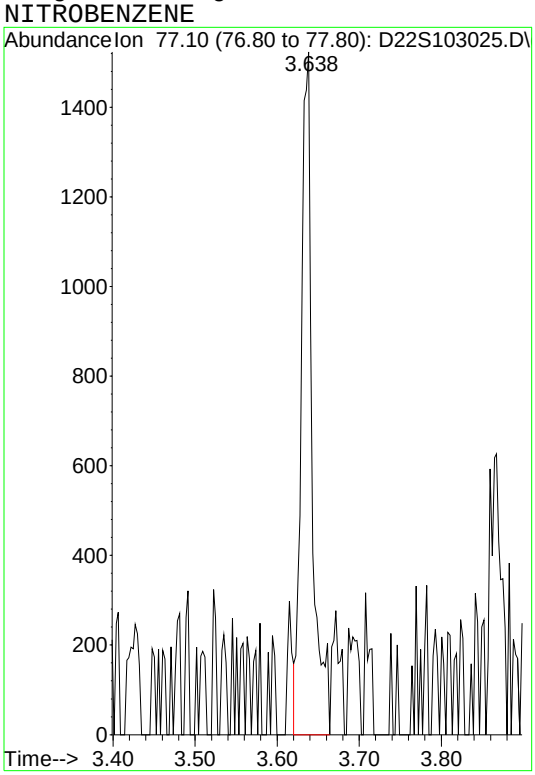
Thu Apr 14 09:31:04 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

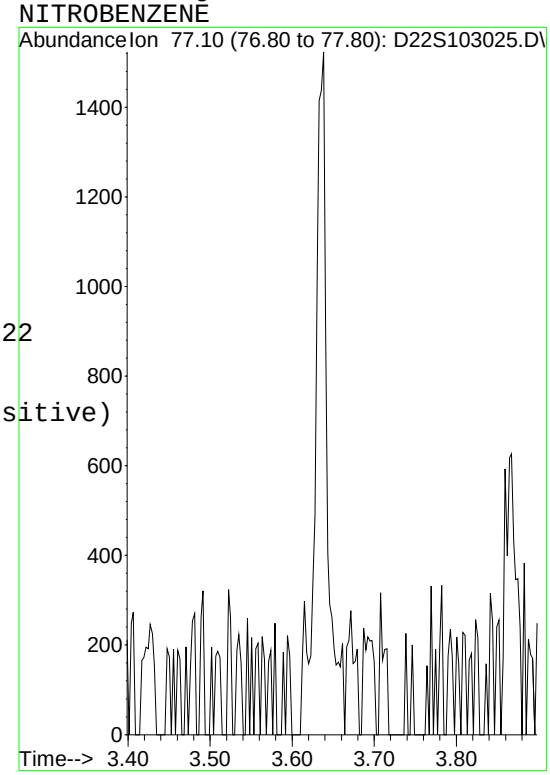
RT : 3.64
Area : 1417
Amount: 0.300455

Manual Int. Results

Thu Apr 14 09:31:06 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04	File ID:	D22S103026.D
Sampled:	04/06/22 00:00	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:26
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04	File ID:	D22S103026.D
Sampled:	04/06/22 00:00	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:26
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04	File ID:	D22S103026.D
Sampled:	04/06/22 00:00	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:26
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103026.D
Acq On : 13 Apr 2022 8:26 pm
Operator : BGL
Sample : 22D0541-04 Inst : GCMSSV4
Misc :
ALS Vial : 26 Sample Multiplier: 1

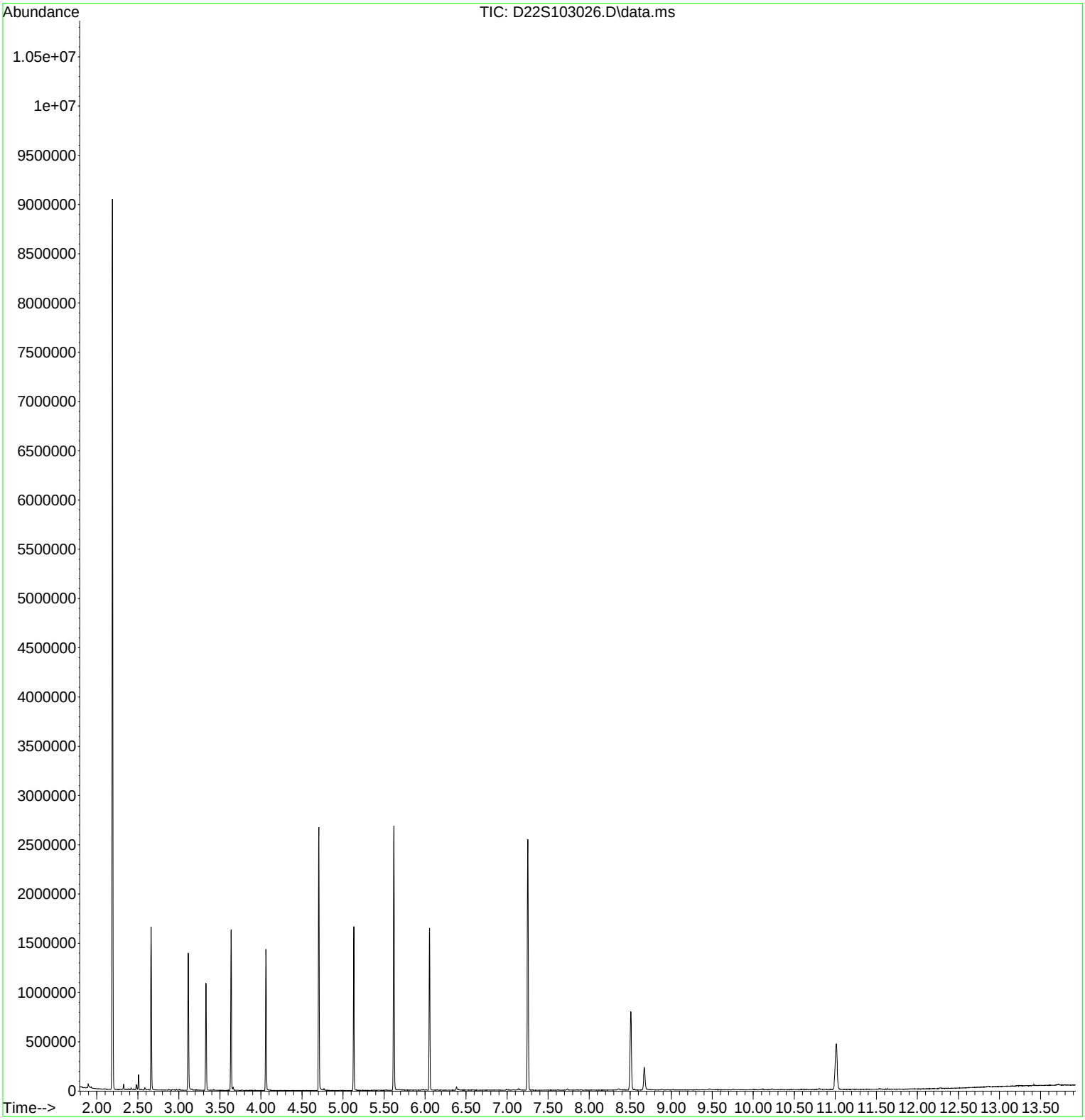
Quant Time: Apr 14 09:31:50 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	110834	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	429811	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	230815	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	416869	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.507	240	320867	40.00	ug/ml	0.00
80) PERYLENE-D12	11.010	264	260552	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	282326	81.98	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.99%			
3) Phenol-d6	3.113	99	314717	56.55	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 28.27%#			
20) Nitrobenzene-d5	3.635	82	332676	71.92	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 71.92%			
36) 2-Fluorobiphenyl	4.707	172	555976	73.13	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 73.13%			
37) 2,4,6-Tribromophenol	5.621	330	176289	174.46	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 87.23%			
72) Terphenyl-d14	7.253	244	729370	78.91	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.91%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103026.D
Acq On : 13 Apr 2022 8:26 pm
Operator : BGL
Sample : 22D0541-04 Inst : GCMSSV4
Misc :
ALS Vial : 26 Sample Multiplier: 1

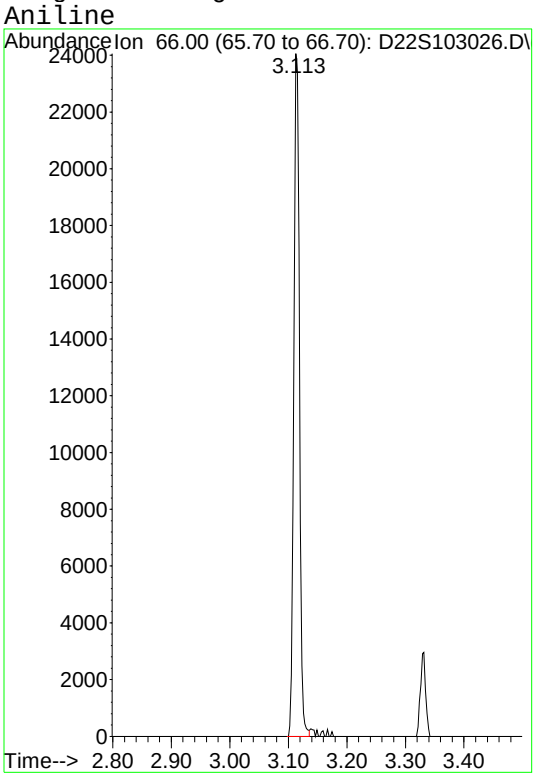
Quant Time: Apr 14 09:31:50 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103026.D
Acq On : 13 Apr 2022 8:26 pm
Operator : BGL
Sample : 22D0541-04
Misc :

Quant Time : Thu Apr 14 09:31:50 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

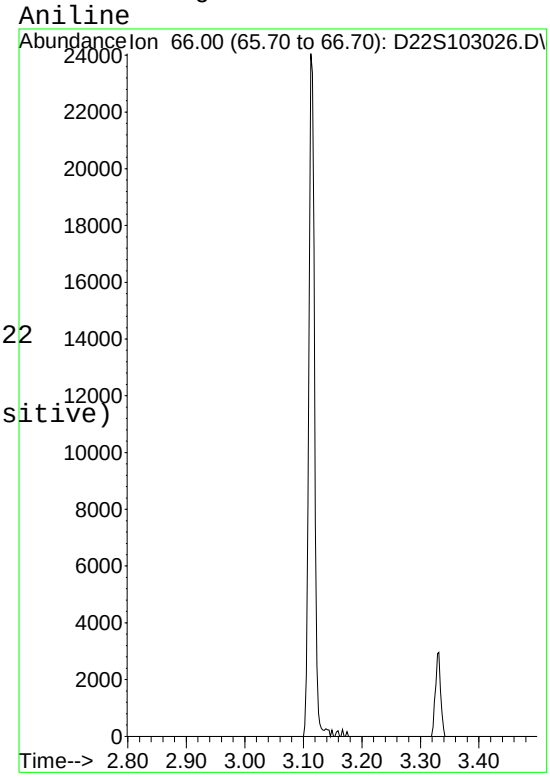
RT : 3.11
Area : 15861
Amount: 6.90041

Manual Int. Results

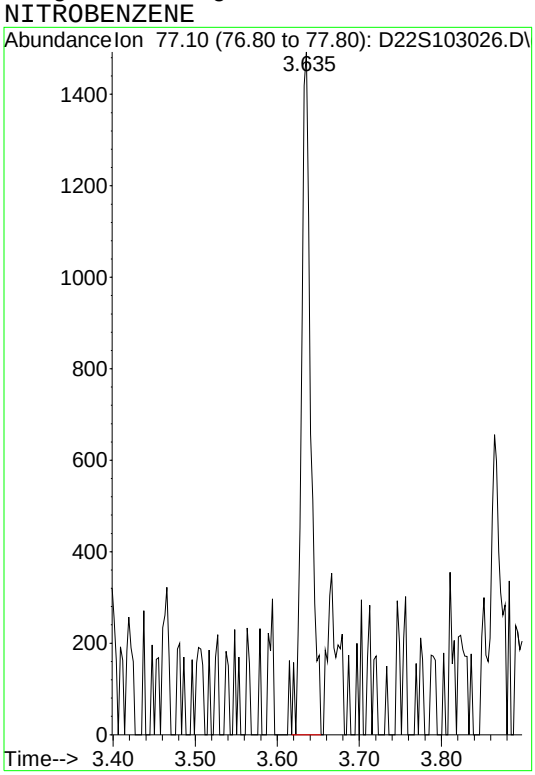
Thu Apr 14 09:31:42 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

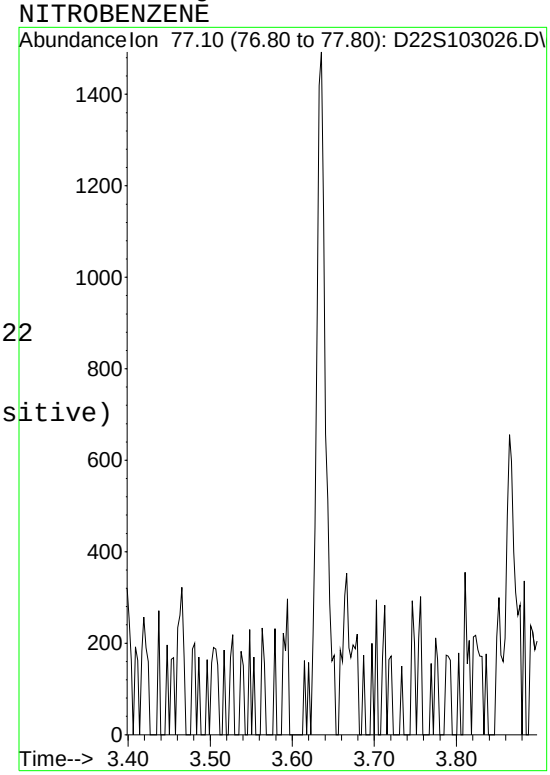
RT : 3.64
Area : 1172
Amount: 0.236708

Manual Int. Results

Thu Apr 14 09:31:45 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

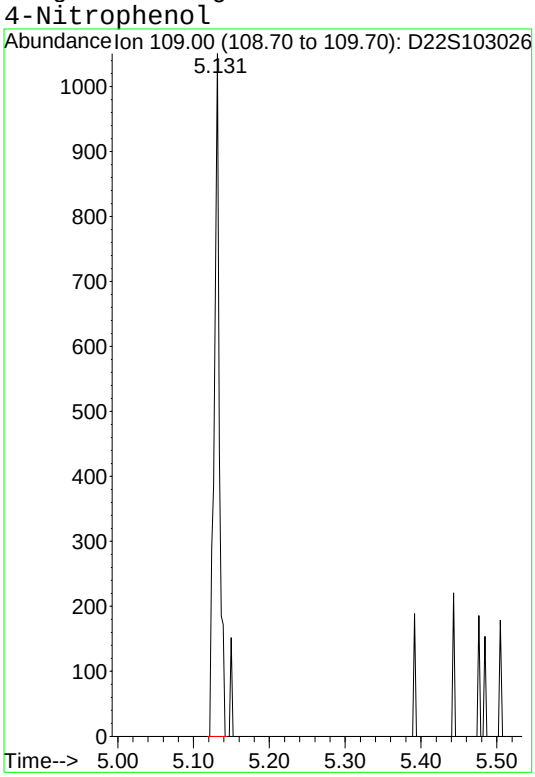
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103026.D
Acq On : 13 Apr 2022 8:26 pm
Operator : BGL
Sample : 22D0541-04
Misc :

Quant Time : Thu Apr 14 09:31:50 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

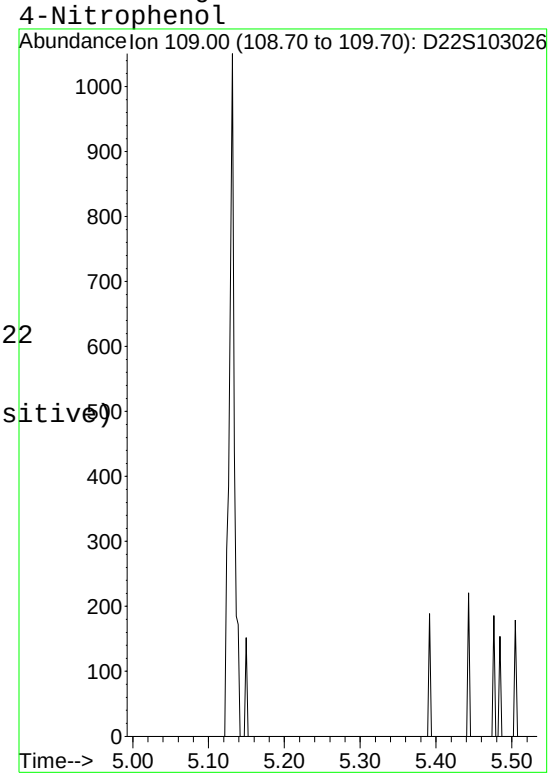
RT : 5.13
Area : 499
Amount: 0.351005

Manual Int. Results

Thu Apr 14 09:31:49 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05	File ID:	D22S103027.D
Sampled:	04/05/22 13:11	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:50
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05	File ID:	D22S103027.D
Sampled:	04/05/22 13:11	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:50
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05	File ID:	D22S103027.D
Sampled:	04/05/22 13:11	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 20:50
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103027.D
Acq On : 13 Apr 2022 8:50 pm
Operator : BGL
Sample : 22D0541-05 Inst : GCMSSV4
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 14 09:32:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	116063	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	453948	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	238832	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.053	188	428676	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.507	240	327770	40.00	ug/ml	0.00
80) PERYLENE-D12	11.010	264	278090	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.665	112	263534	73.08	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 36.54%			
3) Phenol-d6	3.115	99	295005	50.62	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 25.31%#			
20) Nitrobenzene-d5	3.636	82	305228	62.47	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 62.47%			
36) 2-Fluorobiphenyl	4.707	172	545670	69.36	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.36%			
37) 2,4,6-Tribromophenol	5.621	330	164853	157.66	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 78.83%			
72) Terphenyl-d14	7.253	244	727571	77.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.05%			
Target Compounds						Qvalue

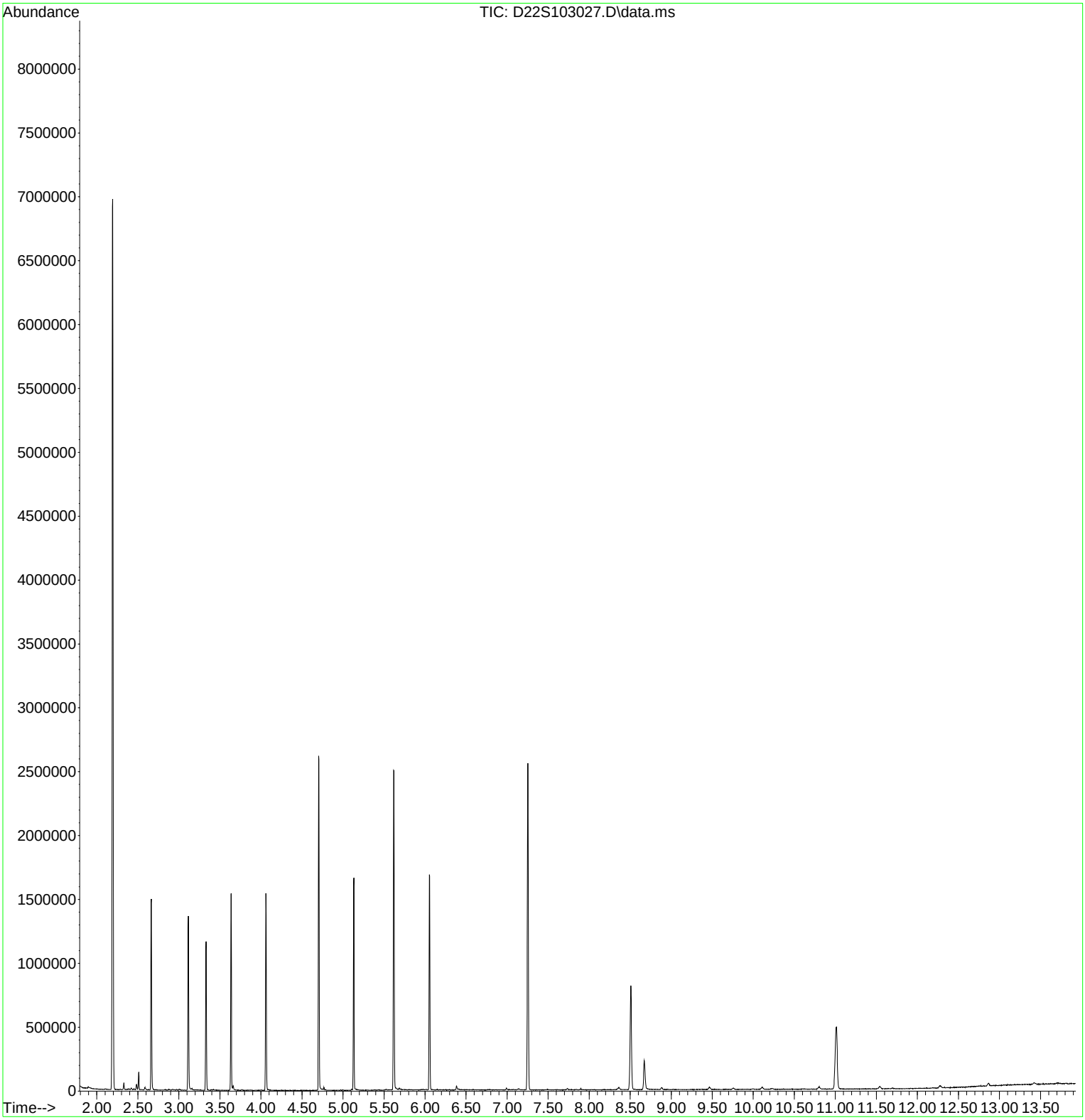
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103027.D
Acq On : 13 Apr 2022 8:50 pm
Operator : BGL
Sample : 22D0541-05 Inst : GCMSSV4
Misc :
ALS Vial : 27 Sample Multiplier: 1

570

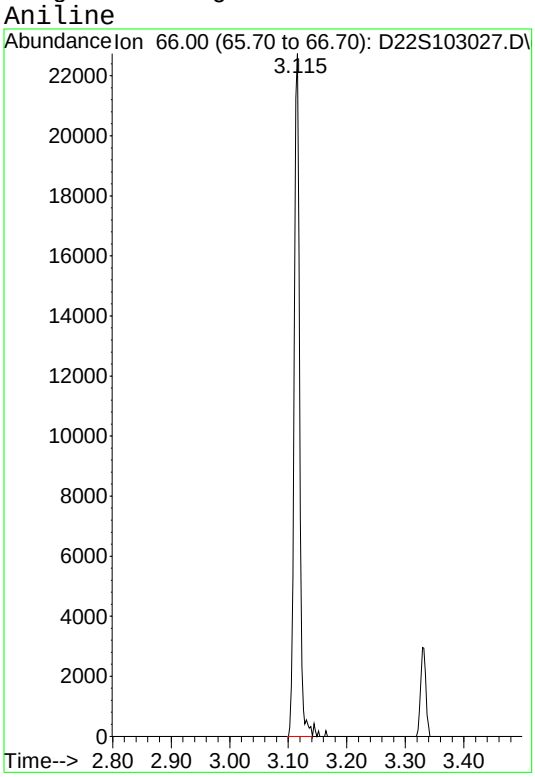
Quant Time: Apr 14 09:32:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103027.D
Acq On : 13 Apr 2022 8:50 pm
Operator : BGL
Sample : 22D0541-05
Misc :

Quant Time : Thu Apr 14 09:32:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

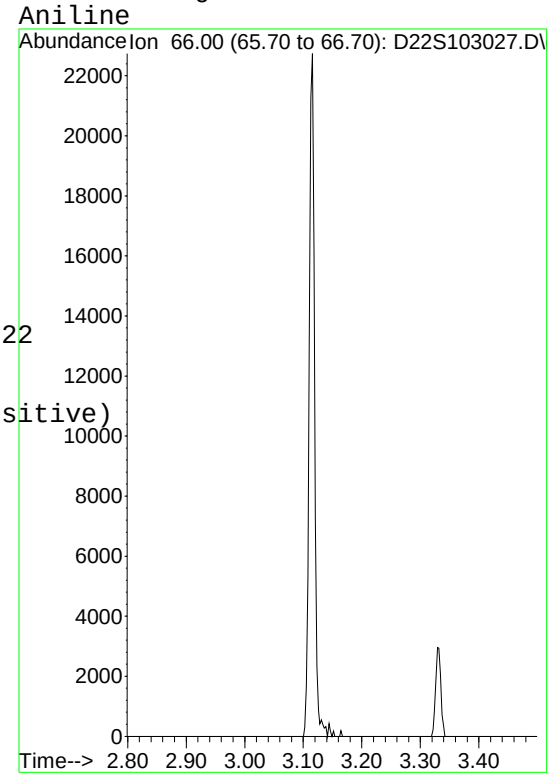
RT : 3.12
Area : 14347
Amount: 5.96053

Manual Int. Results

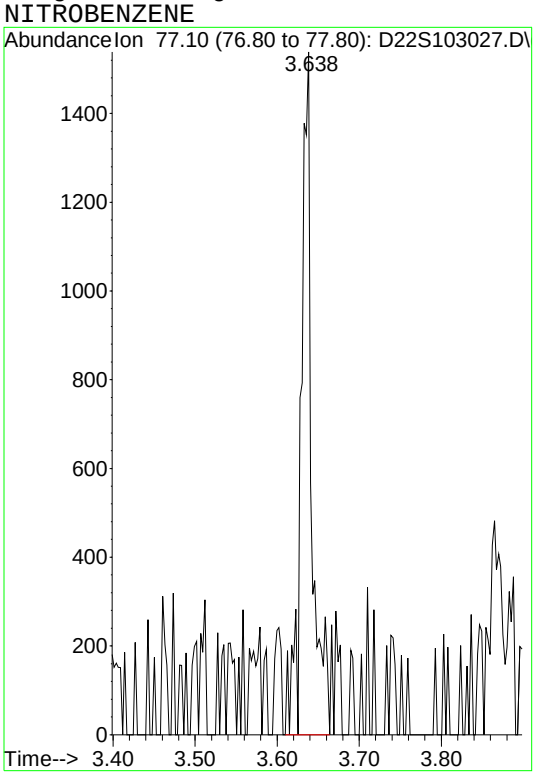
Thu Apr 14 09:32:23 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

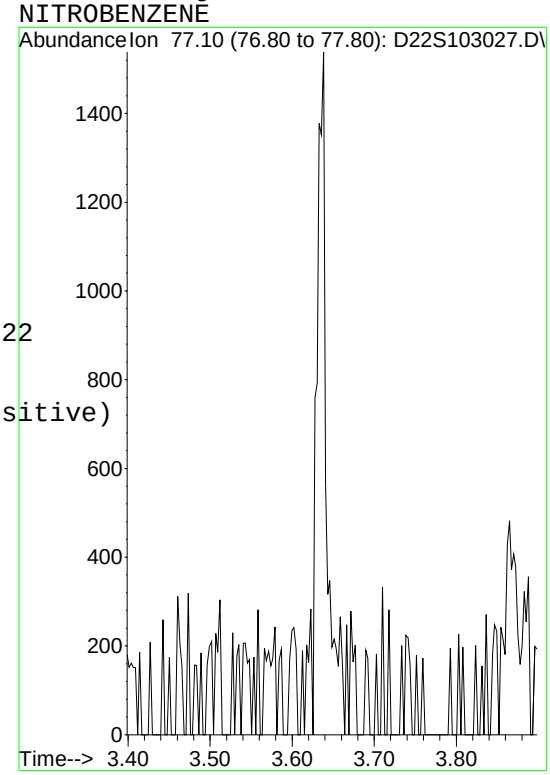
RT : 3.64
Area : 1401
Amount: 0.267914

Manual Int. Results

Thu Apr 14 09:32:26 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

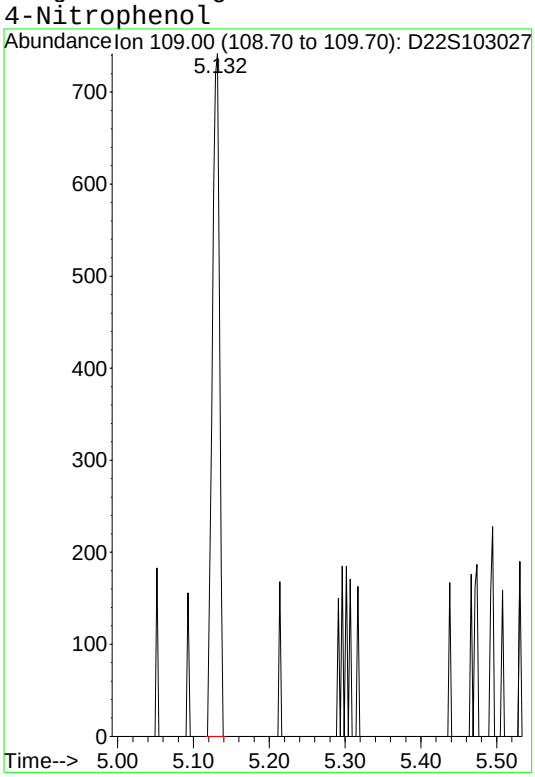
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103027.D
Acq On : 13 Apr 2022 8:50 pm
Operator : BGL
Sample : 22D0541-05
Misc :

Quant Time : Thu Apr 14 09:32:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

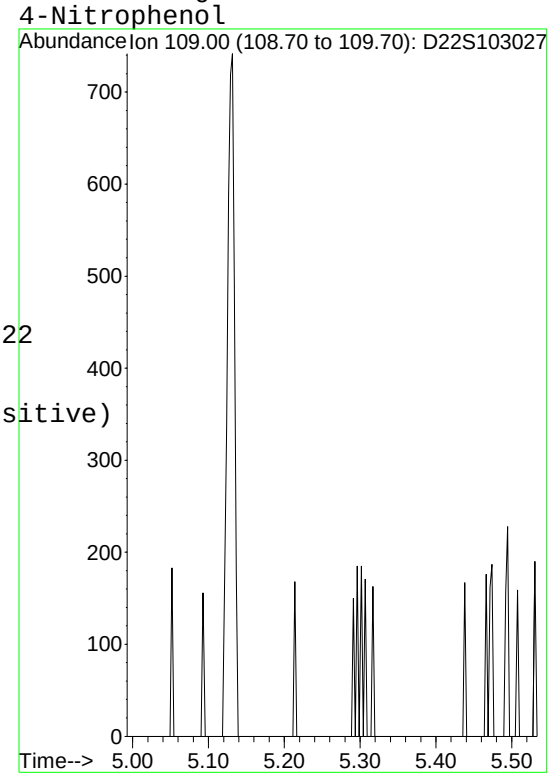
RT : 5.13
Area : 500
Amount: 0.339903

Manual Int. Results

Thu Apr 14 09:32:29 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06	File ID:	C2210607.D
Sampled:	04/06/22 13:03	Prepared:	04/13/22 07:43	Analyzed:	04/16/22 11:52
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1050 mL / 1 mL				
Batch:	B305646	Sequence:	S070490	Calibration:	2200130	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.49	4.8	
208-96-8	Acenaphthylene		0.46	4.8	
98-86-2	Acetophenone		0.51	9.5	
62-53-3	Aniline		0.66	4.8	
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		9.9	19	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.54	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.58	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.0	9.5	
111-91-1	Bis(2-chloroethoxy)methane		0.43	9.5	
111-44-4	Bis(2-chloroethyl)ether		0.54	9.5	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.5	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.80	9.5	
101-55-3	4-Bromophenylphenylether		0.45	9.5	
85-68-7	Butylbenzylphthalate		0.64	9.5	
86-74-8	Carbazole		0.41	9.5	
106-47-8	4-Chloroaniline		0.55	9.5	V-34
59-50-7	4-Chloro-3-methylphenol		0.53	9.5	
91-58-7	2-Chloronaphthalene		0.46	9.5	
95-57-8	2-Chlorophenol		0.45	9.5	
7005-72-3	4-Chlorophenylphenylether		0.46	9.5	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	V-06
132-64-9	Dibenzofuran		0.46	4.8	V-06
84-74-2	Di-n-butylphthalate		0.44	9.5	
95-50-1	1,2-Dichlorobenzene		0.63	4.8	
541-73-1	1,3-Dichlorobenzene		0.64	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06	File ID:	C2210607.D
Sampled:	04/06/22 13:03	Prepared:	04/13/22 07:43	Analyzed:	04/16/22 11:52
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1050 mL / 1 mL				
Batch:	B305646	Sequence:	S070490	Calibration:	2200130	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.5	V-34
120-83-2	2,4-Dichlorophenol		0.46	9.5	
84-66-2	Diethylphthalate		0.40	9.5	
105-67-9	2,4-Dimethylphenol		0.67	9.5	
131-11-3	Dimethylphthalate		0.36	9.5	
534-52-1	4,6-Dinitro-2-methylphenol		6.7	9.5	
51-28-5	2,4-Dinitrophenol		7.7	9.5	
121-14-2	2,4-Dinitrotoluene		0.58	9.5	
606-20-2	2,6-Dinitrotoluene		0.49	9.5	
117-84-0	Di-n-octylphthalate		3.7	9.5	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.5	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.48	9.5	
87-68-3	Hexachlorobutadiene		0.74	9.5	
77-47-4	Hexachlorocyclopentadiene		3.5	9.5	V-05
67-72-1	Hexachloroethane		0.70	9.5	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.5	
90-12-0	1-Methylnaphthalene		0.57	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.45	9.5	
108-39-4/106-4	3/4-Methylphenol		0.44	9.5	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.66	9.5	
99-09-2	3-Nitroaniline		0.56	9.5	
100-01-6	4-Nitroaniline		0.57	9.5	
98-95-3	Nitrobenzene		0.60	9.5	
88-75-5	2-Nitrophenol		0.49	9.5	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06	File ID:	C2210607.D
Sampled:	04/06/22 13:03	Prepared:	04/13/22 07:43	Analyzed:	04/16/22 11:52
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1050 mL / 1 mL				
Batch:	B305646	Sequence:	S070490	Calibration:	2200130
Instrument:	GCMSSV3				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.5	
62-75-9	N-Nitrosodimethylamine		0.75	9.5	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.36	9.5	
621-64-7	N-Nitrosodi-n-propylamine		0.58	9.5	
82-68-8	Pentachloronitrobenzene		0.59	9.5	
87-86-5	Pentachlorophenol		3.3	9.5	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.5	
129-00-0	Pyrene		0.58	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.62	9.5	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.5	
88-06-2	2,4,6-Trichlorophenol		0.43	9.5	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210607.D
Acq On : 16 Apr 2022 11:52 am
Operator : BGL
Sample : 22D0541-06@/stdw Inst : GCMSSV3
Misc :
ALS Vial : 7 Sample Multiplier: 1

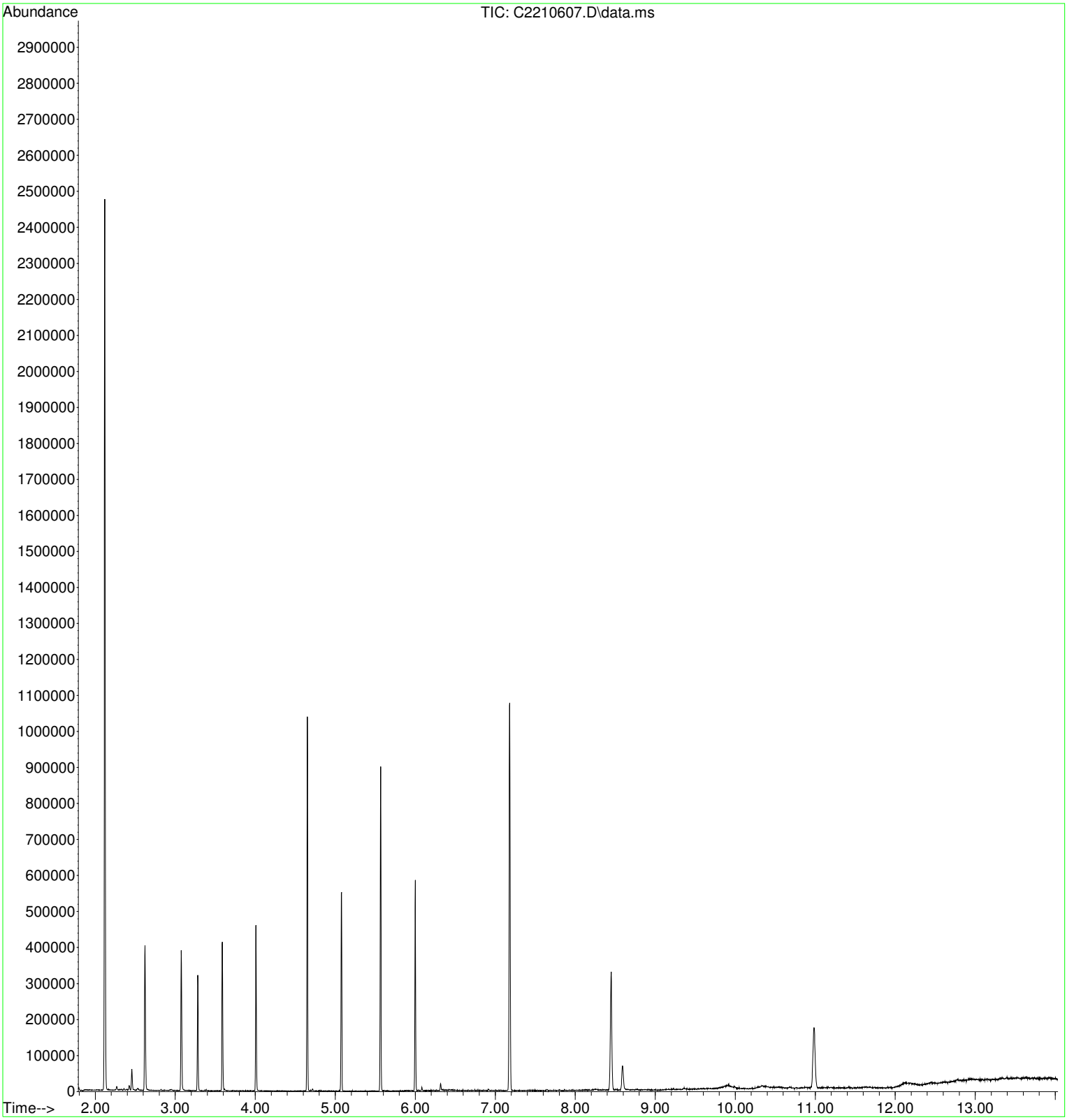
Quant Time: Apr 16 12:06:45 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

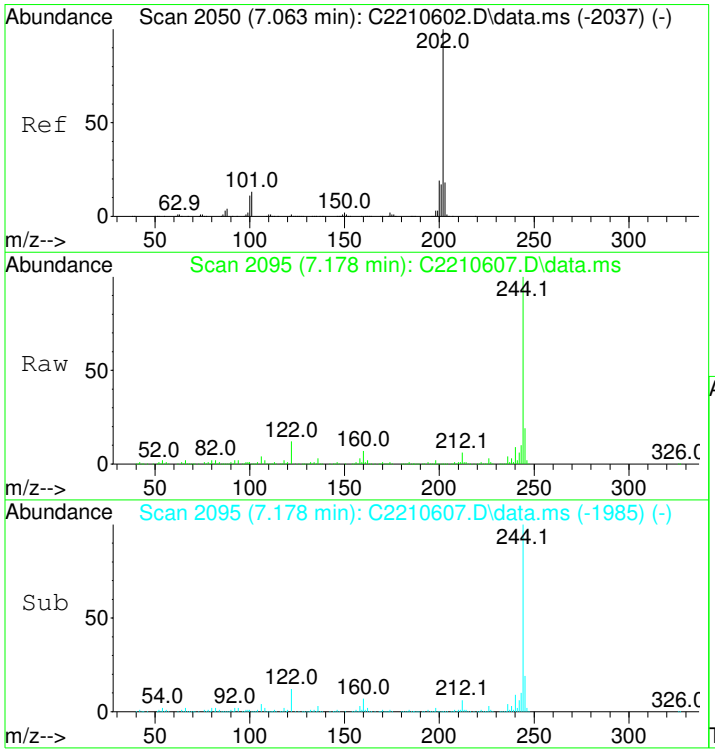
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.280	152	41677	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.009	136	166109	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.077	164	95309	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	5.999	188	176020	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.448	240	155987	40.00	ug/ml	0.00
80) PERYLENE-D12	10.984	264	116172	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.621	112	100751	93.63	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.81%			
3) Phenol-d6	3.074	99	118288	65.41	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 32.70%			
20) Nitrobenzene-d5	3.589	82	106296	70.88	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 70.88%			
36) 2-Fluorobiphenyl	4.650	172	251704	79.06	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 79.06%			
37) 2,4,6-Tribromophenol	5.566	330	73703	180.72	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 90.36%			
72) Terphenyl-d14	7.178	244	378226	88.40	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 88.40%			
Target Compounds						Qvalue
74) Pyrene	7.178	202	1363	0.23	ug/ml	69
79) Bis(2-ethylhexyl)phtha...	8.453	149	728	0.20	ug/ml#	69

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

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210607.D
Acq On : 16 Apr 2022 11:52 am
Operator : BGL
Sample : 22D0541-06@/stdw Inst : GCMSSV3
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 16 12:06:45 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

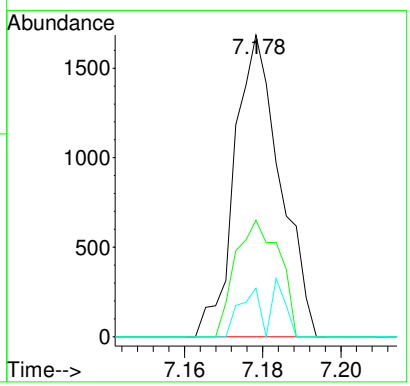


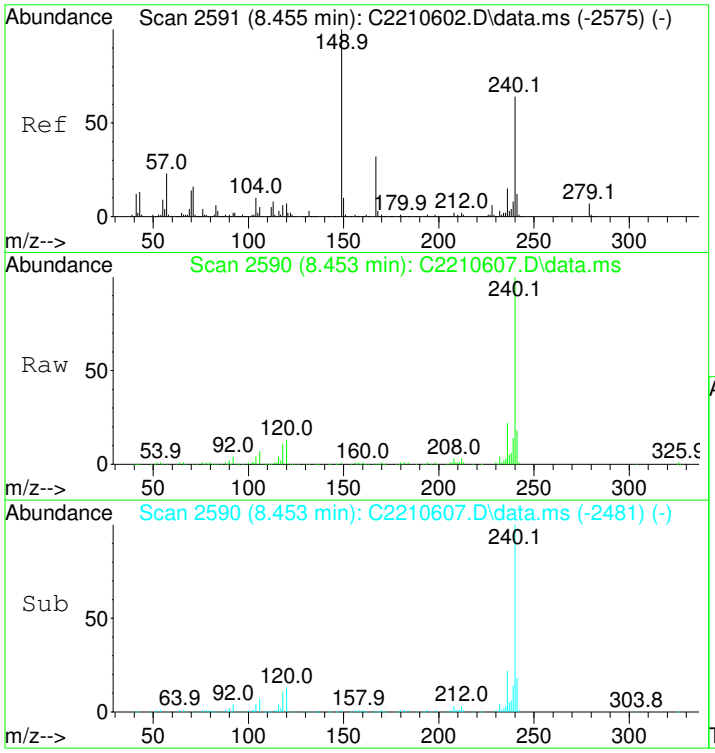


#74
Pyrene
Concen: 0.23 ug/ml
RT: 7.178 min Scan# 2095
Delta R.T. 0.113 min
Lab File: C2210607.D
Acq: 16 Apr 2022 11:52 am

Tgt Ion:202 Resp: 1363

Ion	Ratio	Lower	Upper
202	100		
200	37.3	0.1	40.1
203	7.3	0.0	38.2

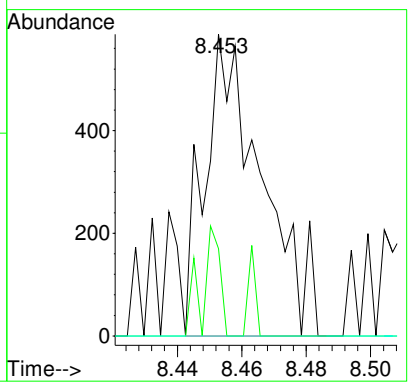




#79
Bis(2-ethylhexyl)phthalate
Concen: 0.20 ug/ml
RT: 8.453 min Scan# 2590
Delta R.T. -0.018 min
Lab File: C2210607.D
Acq: 16 Apr 2022 11:52 am

Tgt Ion:149 Resp: 728

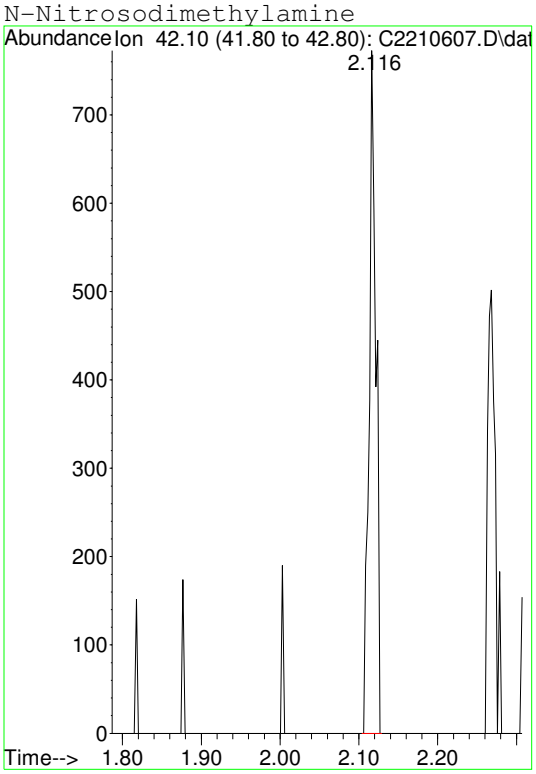
Ion	Ratio	Lower	Upper
149	100		
167	11.4	9.4	49.4
279	0.0	0.0	26.2



Data Path : C:\msdchem\1\data\C041622\
Data File : C2210607.D
Acq On : 16 Apr 2022 11:52 am
Operator : BGL
Sample : 22D0541-06@/stdw
Misc :

Quant Time : Mon Apr 18 14:00:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
QLast Update : Tue Mar 22 12:32:10 2022

Original Integration
N-Nitrosodimethylamine



Original Int. Results

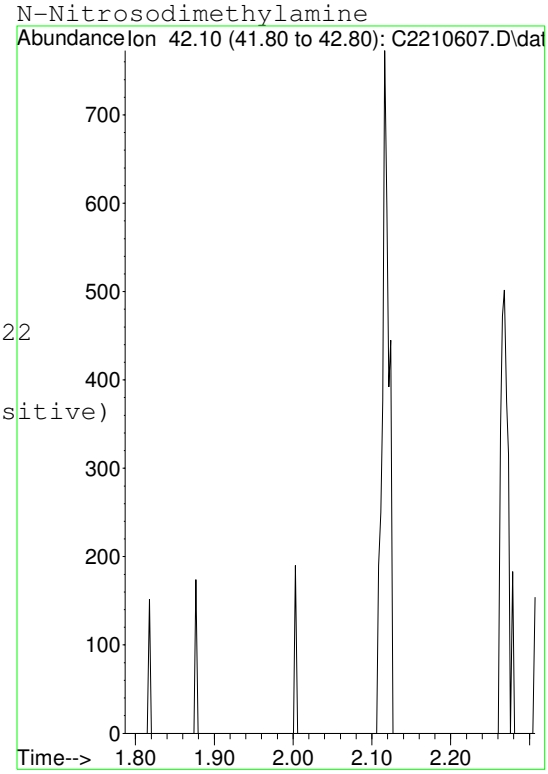
RT : 2.12
Area : 466
Amount: 0.769818

Manual Int. Results

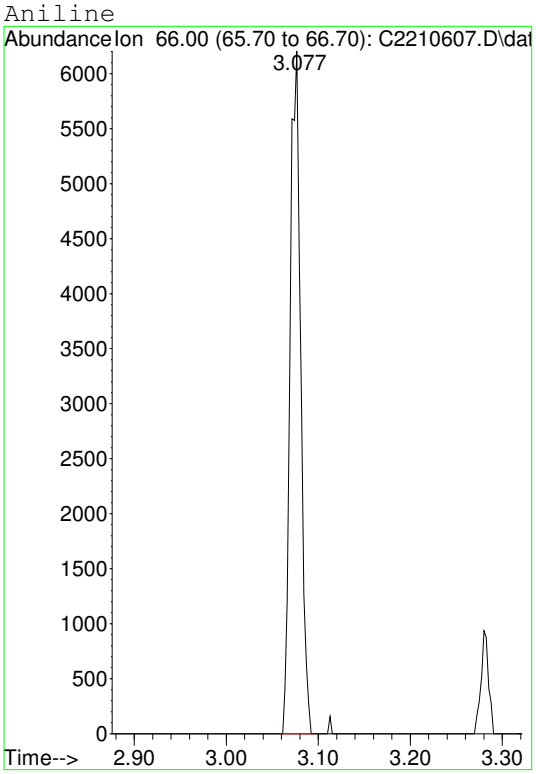
Mon Apr 18 13:59:55 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Aniline



Original Int. Results

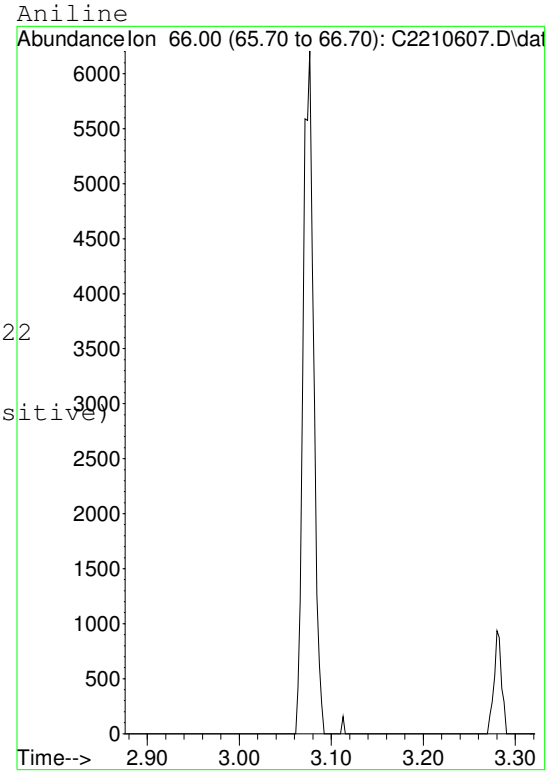
RT : 3.08
Area : 4894
Amount: 8.178

Manual Int. Results

Mon Apr 18 13:59:33 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

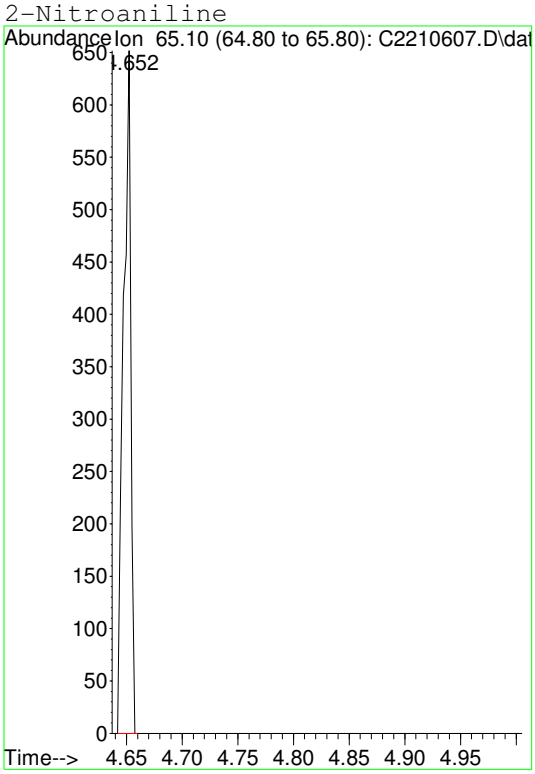
Manual Integration
Aniline



Data Path : C:\msdchem\1\data\C041622\
Data File : C2210607.D
Acq On : 16 Apr 2022 11:52 am
Operator : BGL
Sample : 22D0541-06@/stdw
Misc :

Quant Time : Mon Apr 18 14:00:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
QLast Update : Tue Mar 22 12:32:10 2022

Original Integration
2-Nitroaniline



Original Int. Results

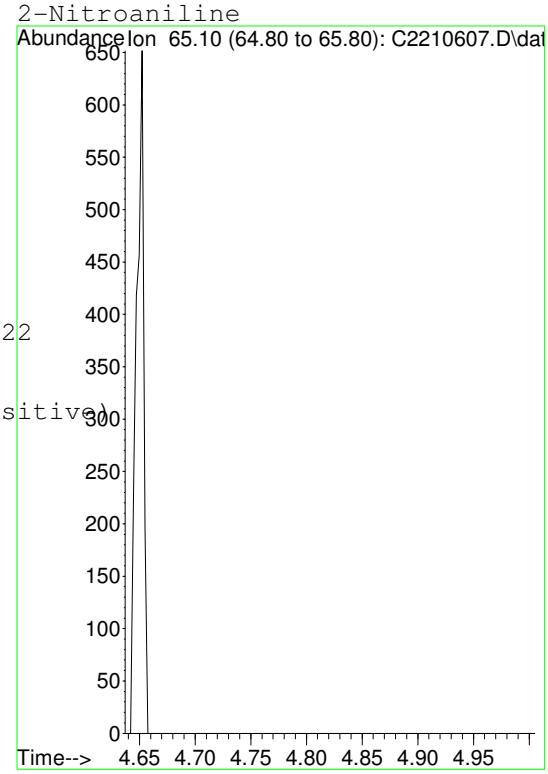
RT : 4.65
Area : 301
Amount: 0.381198

Manual Int. Results

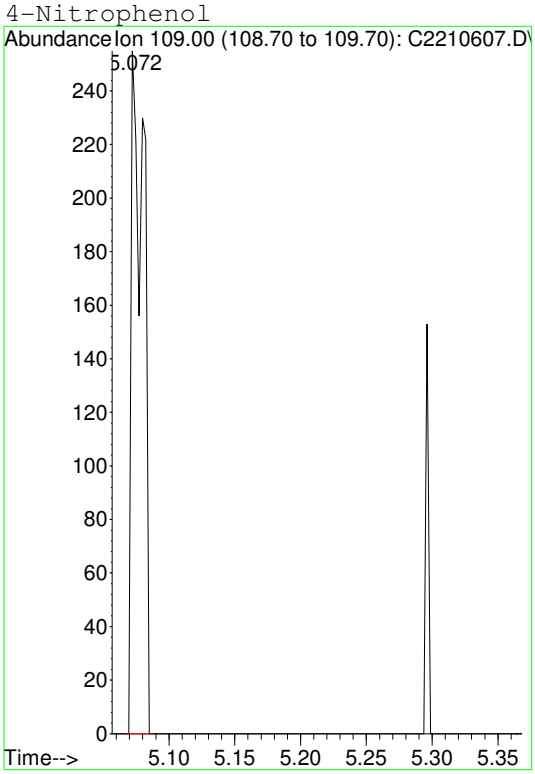
Mon Apr 18 13:59:57 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-Nitroaniline



Original Integration
4-Nitrophenol



Original Int. Results

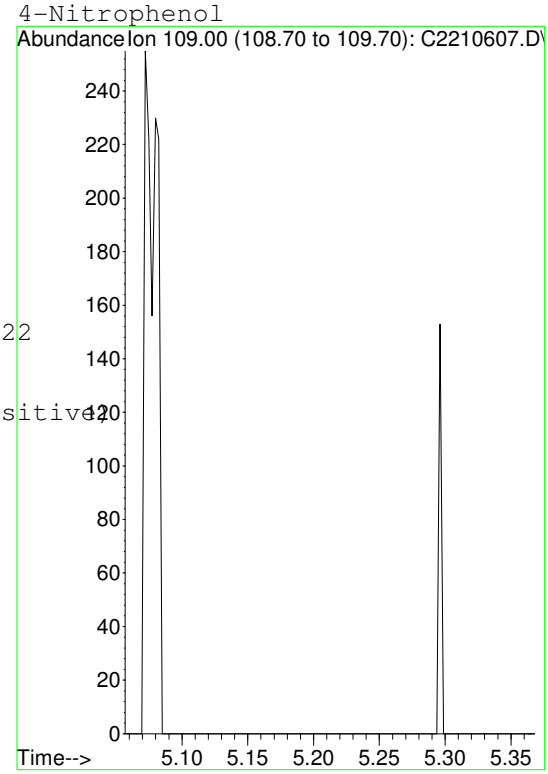
RT : 5.07
Area : 168
Amount: 0.392728

Manual Int. Results

Mon Apr 18 14:00:29 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07	File ID:	C2210608.D
Sampled:	04/06/22 10:59	Prepared:	04/13/22 07:43	Analyzed:	04/16/22 12:19
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1060 mL / 1 mL				
Batch:	B305646	Sequence:	S070490	Calibration:	2200130	Instrument:	GCMSSV3

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.49	4.7	
208-96-8	Acenaphthylene		0.46	4.7	
98-86-2	Acetophenone		0.50	9.4	
62-53-3	Aniline		0.66	4.7	
120-12-7	Anthracene		0.43	4.7	
92-87-5	Benzidine		9.8	19	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.38	4.7	
50-32-8	Benzo(a)pyrene		0.54	4.7	
205-99-2	Benzo(b)fluoranthene		0.45	4.7	
191-24-2	Benzo(g,h,i)perylene		0.58	4.7	
207-08-9	Benzo(k)fluoranthene		0.46	4.7	
65-85-0	Benzoic Acid		8.0	9.4	
111-91-1	Bis(2-chloroethoxy)methane		0.43	9.4	
111-44-4	Bis(2-chloroethyl)ether		0.54	9.4	
108-60-1	Bis(2-chloroisopropyl)ether		0.65	9.4	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.79	9.4	
101-55-3	4-Bromophenylphenylether		0.44	9.4	
85-68-7	Butylbenzylphthalate		0.64	9.4	
86-74-8	Carbazole		0.40	9.4	
106-47-8	4-Chloroaniline		0.54	9.4	V-34
59-50-7	4-Chloro-3-methylphenol		0.53	9.4	
91-58-7	2-Chloronaphthalene		0.46	9.4	
95-57-8	2-Chlorophenol		0.45	9.4	
7005-72-3	4-Chlorophenylphenylether		0.45	9.4	
218-01-9	Chrysene		0.37	4.7	
53-70-3	Dibenz(a,h)anthracene		0.65	4.7	V-06
132-64-9	Dibenzofuran		0.46	4.7	V-06
84-74-2	Di-n-butylphthalate		0.43	9.4	
95-50-1	1,2-Dichlorobenzene		0.63	4.7	
541-73-1	1,3-Dichlorobenzene		0.63	4.7	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07	File ID:	C2210608.D
Sampled:	04/06/22 10:59	Prepared:	04/13/22 07:43	Analyzed:	04/16/22 12:19
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1060 mL / 1 mL				
Batch:	B305646	Sequence:	S070490	Calibration:	2200130
Instrument:	GCMSSV3				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.63	4.7	
91-94-1	3,3-Dichlorobenzidine		0.67	9.4	V-34
120-83-2	2,4-Dichlorophenol		0.45	9.4	
84-66-2	Diethylphthalate		0.39	9.4	
105-67-9	2,4-Dimethylphenol		0.66	9.4	
131-11-3	Dimethylphthalate		0.36	9.4	
534-52-1	4,6-Dinitro-2-methylphenol		6.6	9.4	
51-28-5	2,4-Dinitrophenol		7.6	9.4	
121-14-2	2,4-Dinitrotoluene		0.58	9.4	
606-20-2	2,6-Dinitrotoluene		0.49	9.4	
117-84-0	Di-n-octylphthalate		3.7	9.4	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.54	9.4	
206-44-0	Fluoranthene		0.41	4.7	
86-73-7	Fluorene		0.49	4.7	
118-74-1	Hexachlorobenzene		0.48	9.4	
87-68-3	Hexachlorobutadiene		0.73	9.4	
77-47-4	Hexachlorocyclopentadiene		3.5	9.4	V-05
67-72-1	Hexachloroethane		0.70	9.4	
193-39-5	Indeno(1,2,3-cd)pyrene		0.70	4.7	
78-59-1	Isophorone		0.52	9.4	
90-12-0	1-Methylnaphthalene		0.57	4.7	
91-57-6	2-Methylnaphthalene		0.65	4.7	
95-48-7	2-Methylphenol		0.45	9.4	
108-39-4/106-44	3/4-Methylphenol		0.43	9.4	
91-20-3	Naphthalene		0.58	4.7	
88-74-4	2-Nitroaniline		0.65	9.4	
99-09-2	3-Nitroaniline		0.55	9.4	
100-01-6	4-Nitroaniline		0.56	9.4	
98-95-3	Nitrobenzene		0.59	9.4	
88-75-5	2-Nitrophenol		0.48	9.4	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07	File ID:	C2210608.D
Sampled:	04/06/22 10:59	Prepared:	04/13/22 07:43	Analyzed:	04/16/22 12:19
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1060 mL / 1 mL				
Batch:	B305646	Sequence:	S070490	Calibration:	2200130
Instrument:	GCMSSV3				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.4	
62-75-9	N-Nitrosodimethylamine		0.74	9.4	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.36	9.4	
621-64-7	N-Nitrosodi-n-propylamine		0.58	9.4	
82-68-8	Pentachloronitrobenzene		0.59	9.4	
87-86-5	Pentachlorophenol		3.3	9.4	
85-01-8	Phenanthrene		0.45	4.7	
108-95-2	Phenol		0.21	9.4	
129-00-0	Pyrene		0.58	4.7	
110-86-1	Pyridine		2.3	4.7	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.62	9.4	
120-82-1	1,2,4-Trichlorobenzene		0.63	4.7	
95-95-4	2,4,5-Trichlorophenol		0.49	9.4	
88-06-2	2,4,6-Trichlorophenol		0.42	9.4	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210608.D
Acq On : 16 Apr 2022 12:19 pm
Operator : BGL
Sample : 22D0541-07 Inst : GCMSSV3
Misc :
ALS Vial : 8 Sample Multiplier: 1

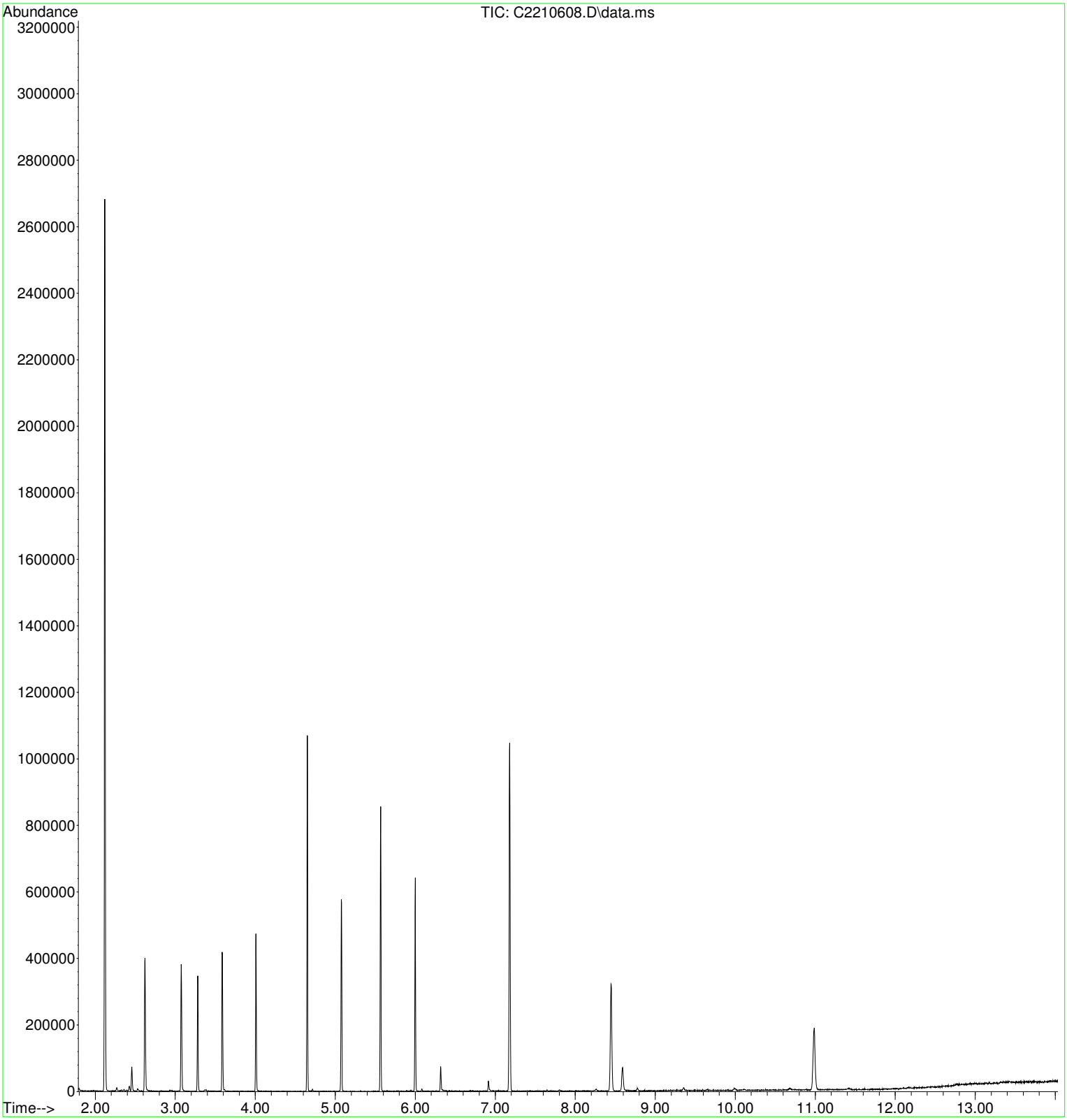
Quant Time: Apr 16 12:33:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.280	152	45767	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.009	136	174160	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.075	164	102798	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	5.999	188	190509	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.448	240	162352	40.00	ug/ml	0.00
80) PERYLENE-D12	10.986	264	120353	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.621	112	103769	87.81	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.91%			
3) Phenol-d6	3.074	99	118414	59.63	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 29.82%#			
20) Nitrobenzene-d5	3.586	82	108699	69.13	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.13%			
36) 2-Fluorobiphenyl	4.650	172	250692	73.01	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 73.01%			
37) 2,4,6-Tribromophenol	5.566	330	70880	161.14	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 80.57%			
72) Terphenyl-d14	7.181	244	369861	83.06	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 83.06%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210608.D
Acq On : 16 Apr 2022 12:19 pm
Operator : BGL
Sample : 22D0541-07 Inst : GCMSSV3
Misc :
ALS Vial : 8 Sample Multiplier: 1

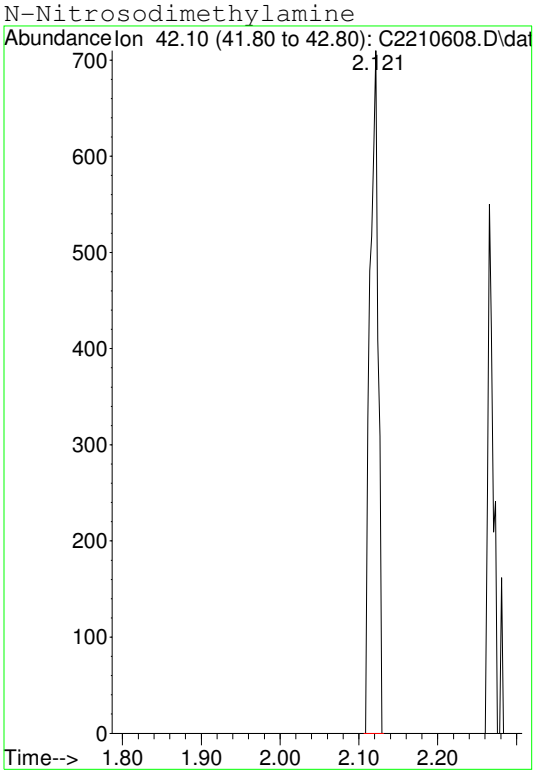
Quant Time: Apr 16 12:33:26 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041622\
Data File : C2210608.D
Acq On : 16 Apr 2022 12:19 pm
Operator : BGL
Sample : 22D0541-07
Misc :

Quant Time : Mon Apr 18 14:00:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
QLast Update : Tue Mar 22 12:32:10 2022

Original Integration
N-Nitrosodimethylamine



Original Int. Results

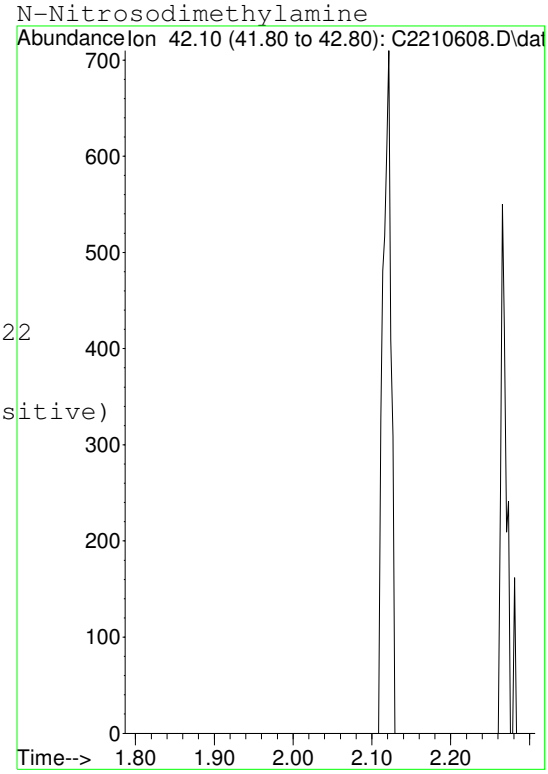
RT : 2.12
Area : 520
Amount: 0.782257

Manual Int. Results

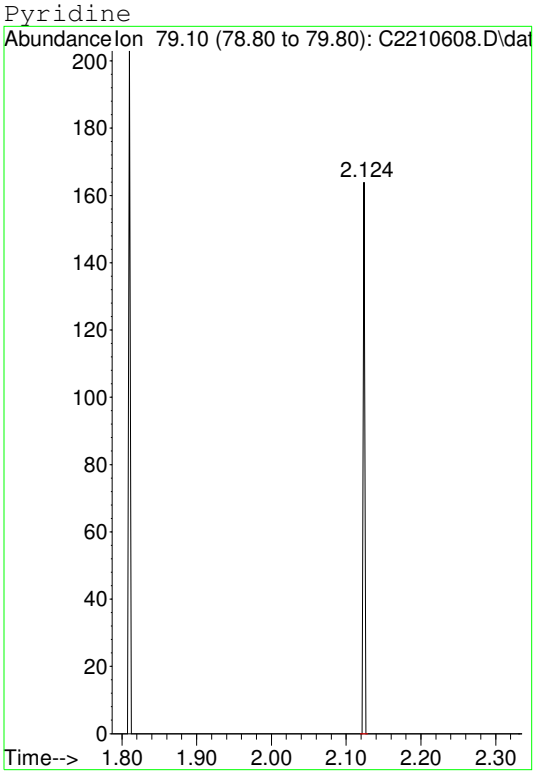
Mon Apr 18 14:00:50 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
N-Nitrosodimethylamine



Original Integration
Pyridine



Original Int. Results

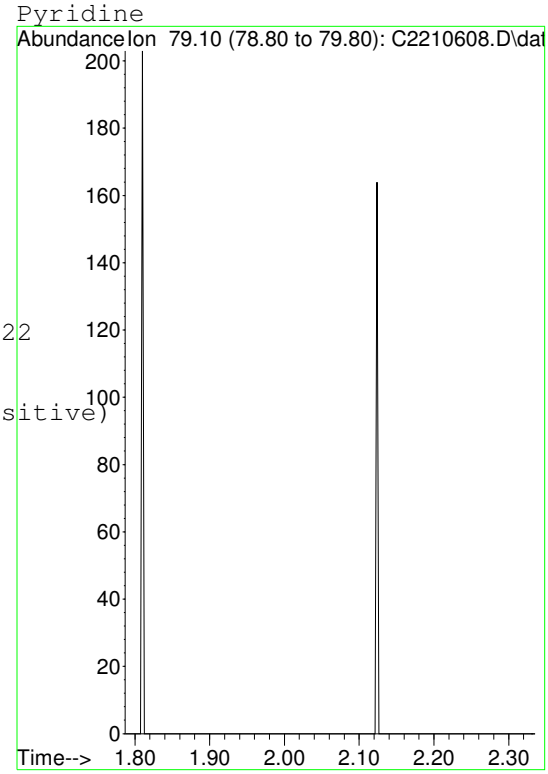
RT : 2.12
Area : 25
Amount: 0.0160391

Manual Int. Results

Mon Apr 18 14:00:50 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

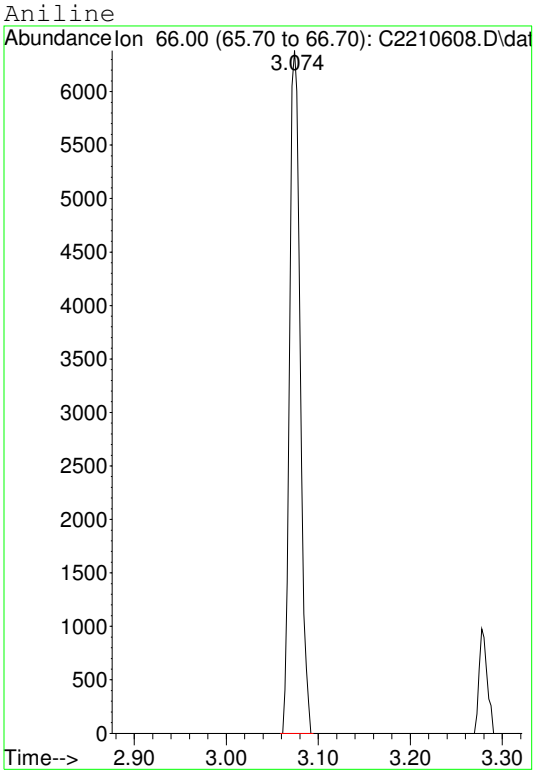
Manual Integration
Pyridine



Data Path : C:\msdchem\1\data\C041622\
Data File : C2210608.D
Acq On : 16 Apr 2022 12:19 pm
Operator : BGL
Sample : 22D0541-07
Misc :

Quant Time : Mon Apr 18 14:00:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
QLast Update : Tue Mar 22 12:32:10 2022

Original Integration
Aniline



Original Int. Results

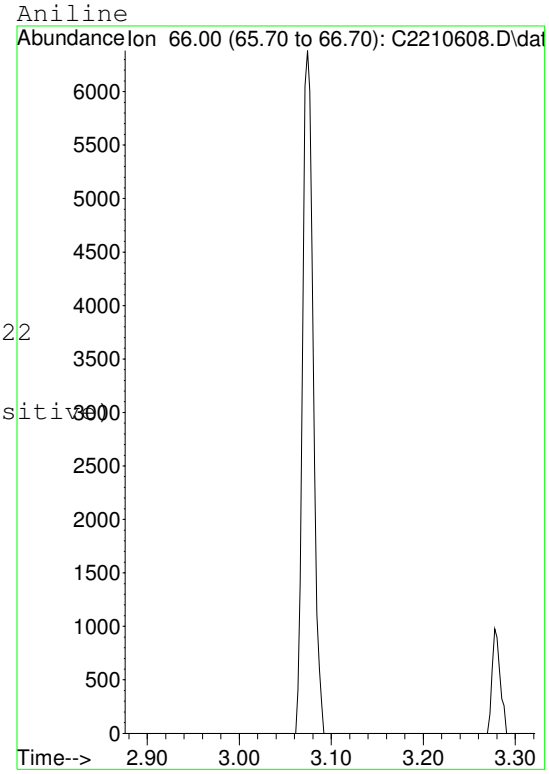
RT : 3.07
Area : 5101
Amount: 7.76216

Manual Int. Results

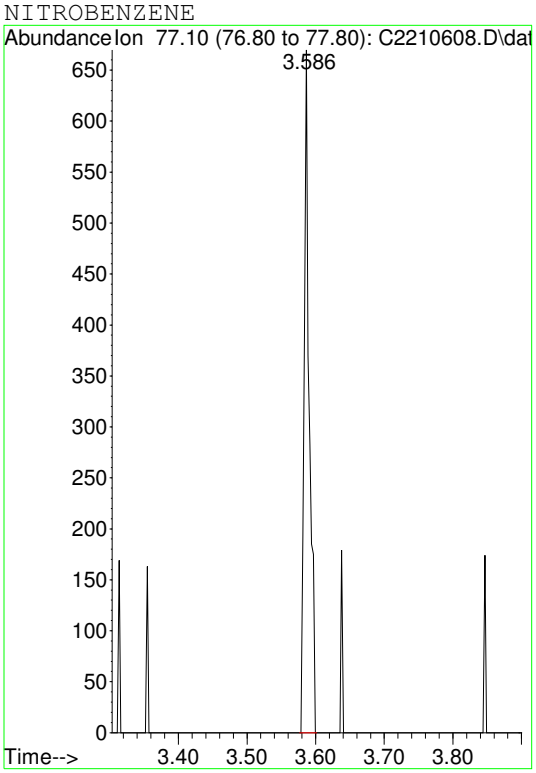
Mon Apr 18 14:00:50 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

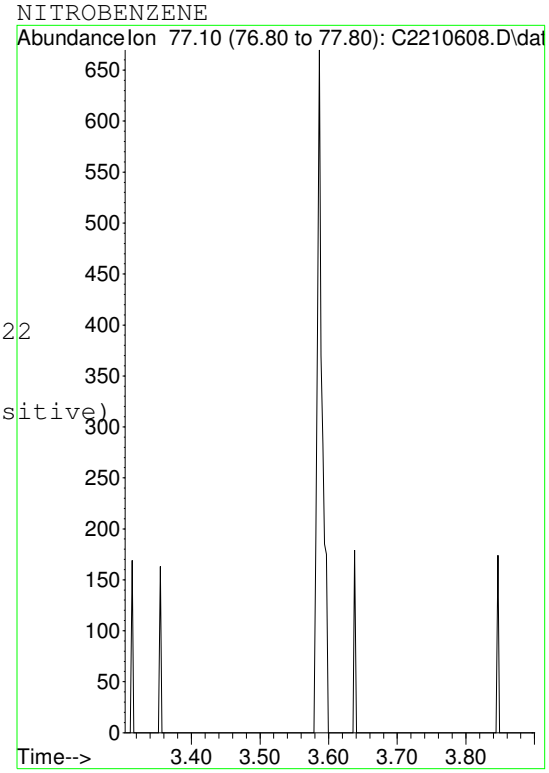
RT : 3.59
Area : 350
Amount: 0.205288

Manual Int. Results

Mon Apr 18 14:00:53 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

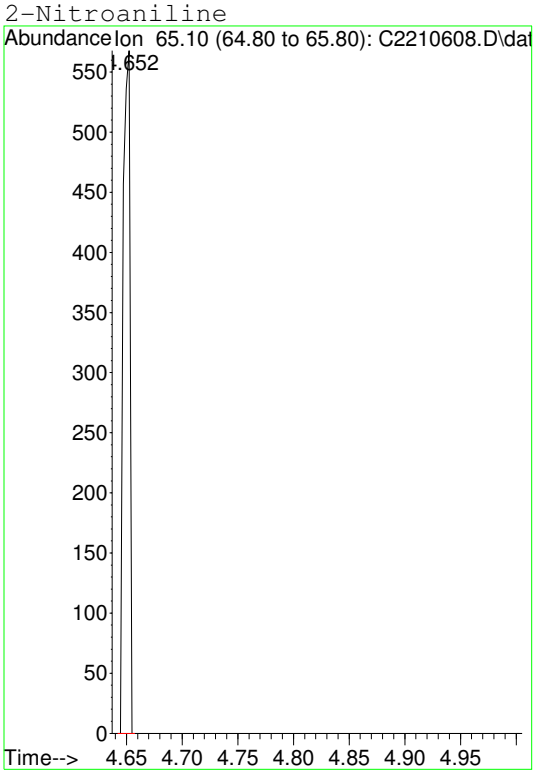
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\data\C041622\
Data File : C2210608.D
Acq On : 16 Apr 2022 12:19 pm
Operator : BGL
Sample : 22D0541-07
Misc :

Quant Time : Mon Apr 18 14:00:57 2022
Quant Method : C:\MSDCHEM\1\METHODS\BNC02232.M
QLast Update : Tue Mar 22 12:32:10 2022

Original Integration
2-Nitroaniline



Original Int. Results

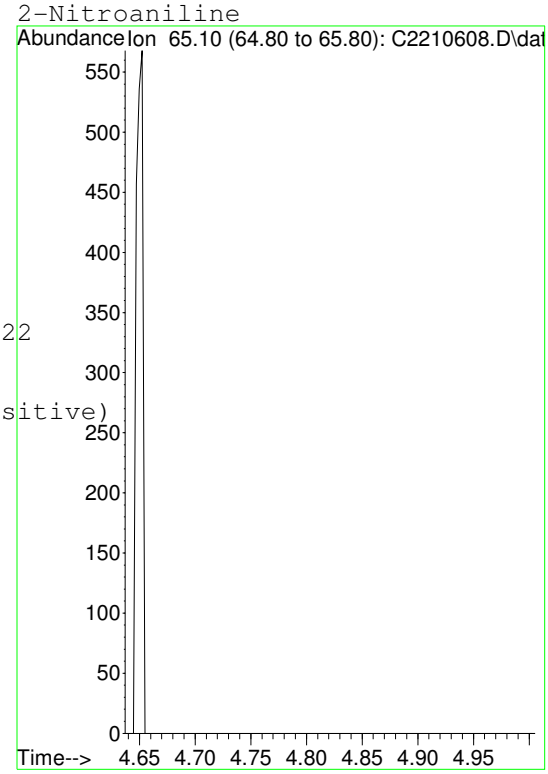
RT : 4.65
Area : 241
Amount: 0.282976

Manual Int. Results

Mon Apr 18 14:00:56 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2-Nitroaniline



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08	File ID:	D22S103028.D
Sampled:	04/05/22 15:42	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 21:14
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08	File ID:	D22S103028.D
Sampled:	04/05/22 15:42	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 21:14
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08	File ID:	D22S103028.D
Sampled:	04/05/22 15:42	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 21:14
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103028.D
Acq On : 13 Apr 2022 9:14 pm
Operator : BGL
Sample : 22D0541-08 Inst : GCMSSV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 14 09:32:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	111289	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	436207	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	232420	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	419179	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.507	240	321919	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	266171	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	254678	73.65	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 36.83%			
3) Phenol-d6	3.113	99	281094	50.30	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 25.15%#			
20) Nitrobenzene-d5	3.636	82	274059	58.38	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 58.38%			
36) 2-Fluorobiphenyl	4.707	172	459371	60.00	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.00%			
37) 2,4,6-Tribromophenol	5.621	330	146553	144.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 72.02%			
72) Terphenyl-d14	7.253	244	656701	70.81	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 70.81%			
Target Compounds						Qvalue

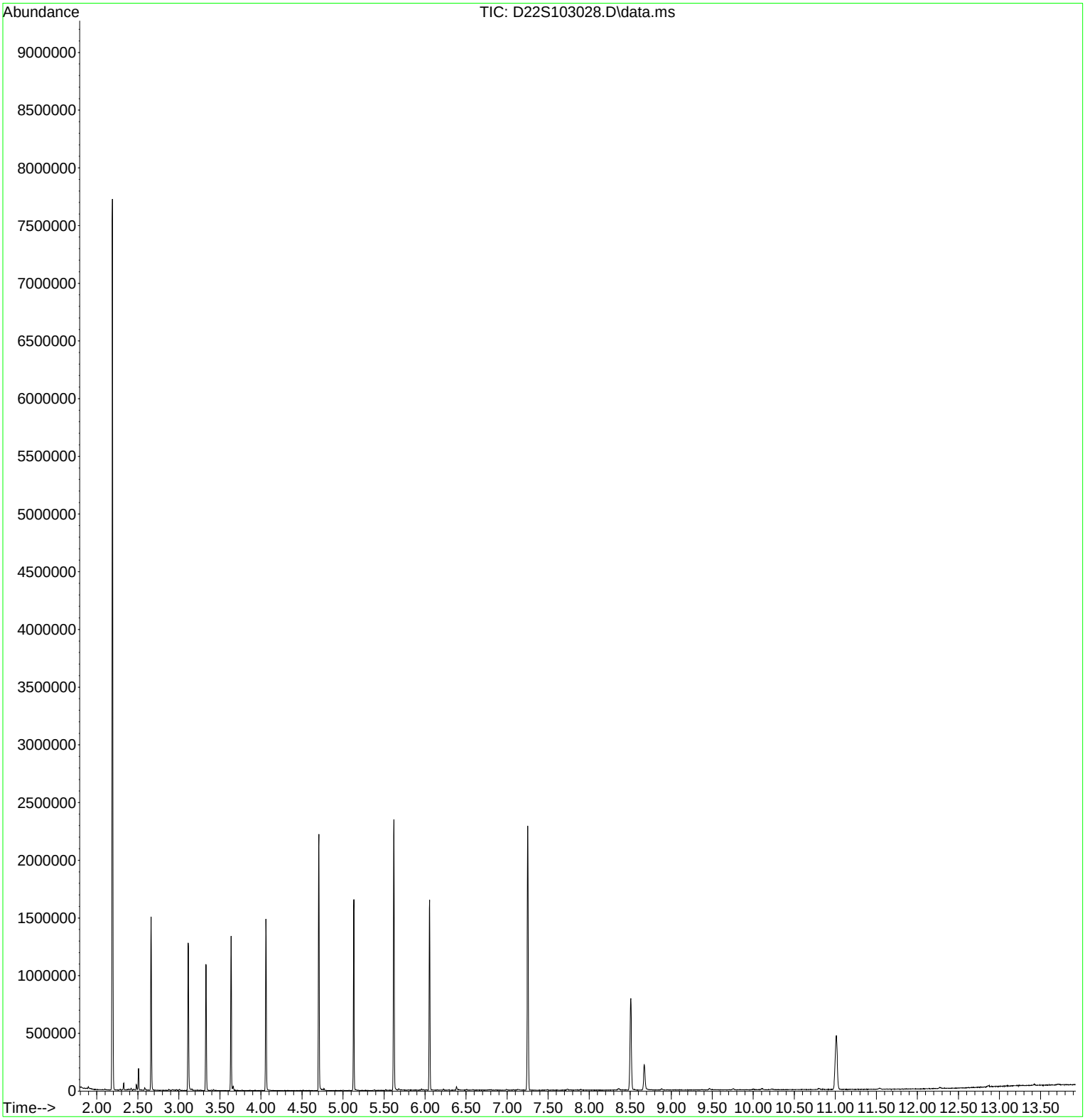
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103028.D
Acq On : 13 Apr 2022 9:14 pm
Operator : BGL
Sample : 22D0541-08 Inst : GCMSSV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

593

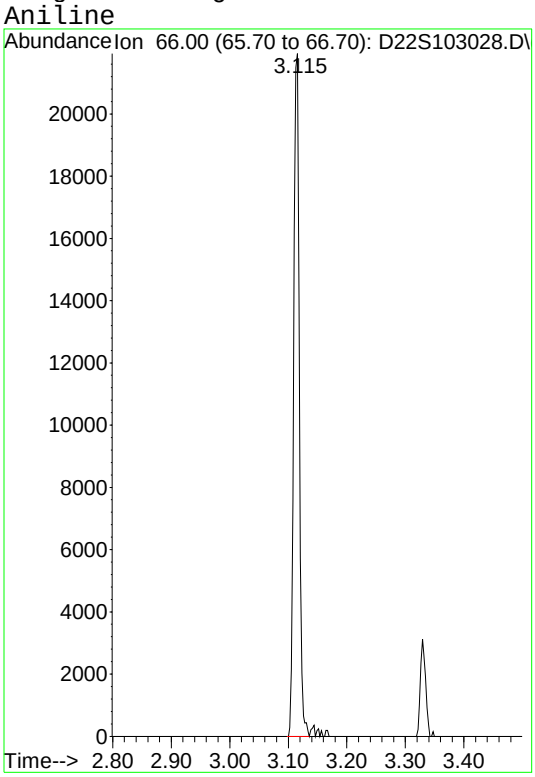
Quant Time: Apr 14 09:32:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103028.D
Acq On : 13 Apr 2022 9:14 pm
Operator : BGL
Sample : 22D0541-08
Misc :

Quant Time : Thu Apr 14 09:32:54 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

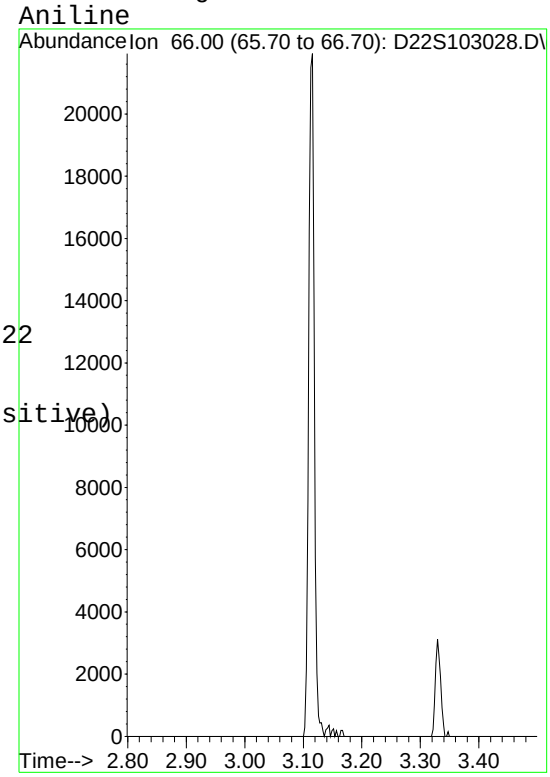
RT : 3.12
Area : 14387
Amount: 6.23355

Manual Int. Results

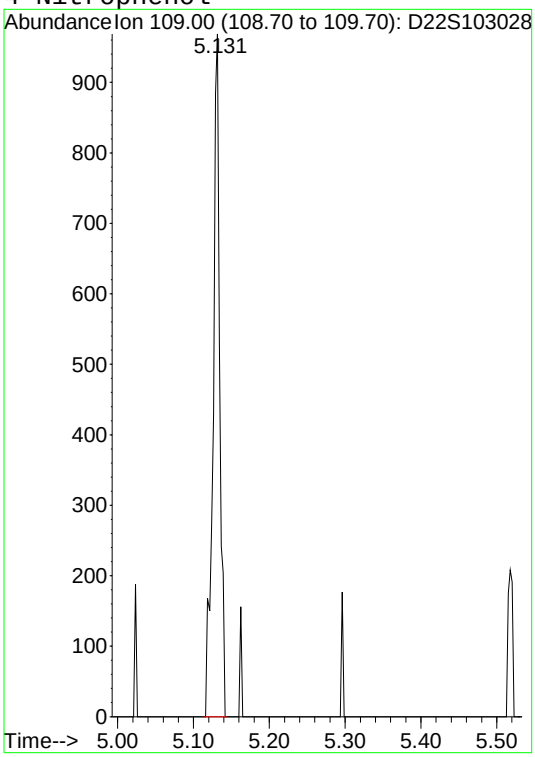
Thu Apr 14 09:32:50 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
4-Nitrophenol



Original Int. Results

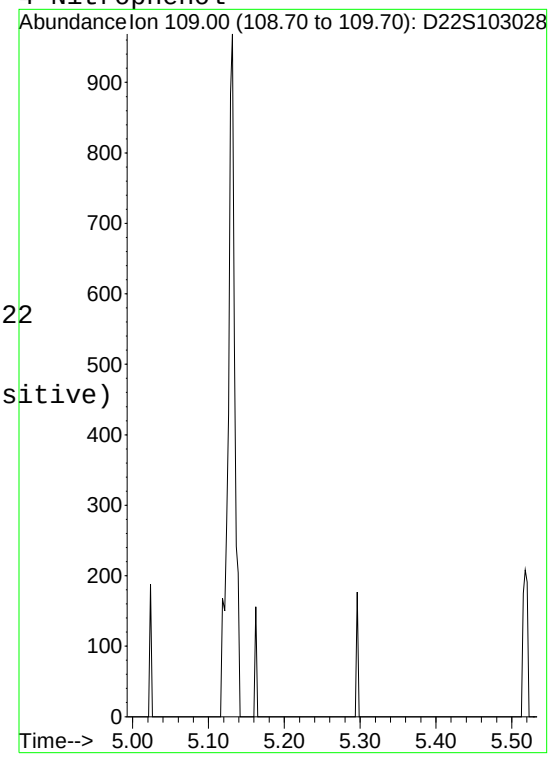
RT : 5.13
Area : 595
Amount: 0.415643

Manual Int. Results

Thu Apr 14 09:32:53 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09	File ID:	D22S103029.D
Sampled:	04/05/22 14:37	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 21:38
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09	File ID:	D22S103029.D
Sampled:	04/05/22 14:37	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 21:38
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09	File ID:	D22S103029.D
Sampled:	04/05/22 14:37	Prepared:	04/12/22 07:16	Analyzed:	04/13/22 21:38
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305535	Sequence:	S070357	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103029.D
Acq On : 13 Apr 2022 9:38 pm
Operator : BGL
Sample : 22D0541-09 Inst : GCMSSV4
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 14 09:33:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

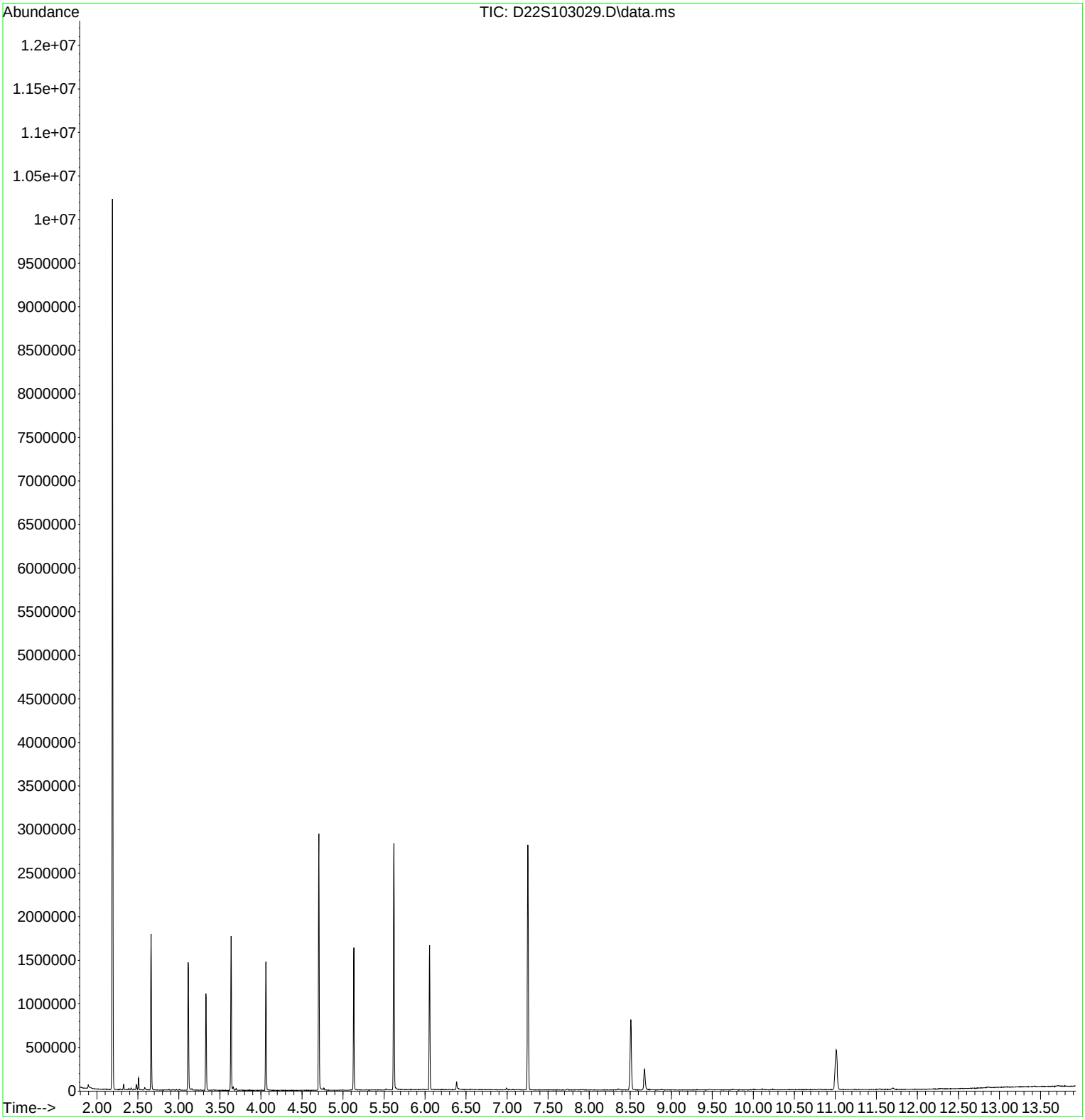
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	111282	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	432614	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	228564	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	415262	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.507	240	320865	40.00	ug/ml	0.00
80) PERYLENE-D12	11.010	264	262958	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	297967	86.17	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 43.09%			
3) Phenol-d6	3.113	99	330304	59.11	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 29.56%#			
20) Nitrobenzene-d5	3.635	82	356014	76.46	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.46%			
36) 2-Fluorobiphenyl	4.706	172	608349	80.80	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.80%			
37) 2,4,6-Tribromophenol	5.621	330	183949	183.83	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 91.92%			
72) Terphenyl-d14	7.253	244	785752	85.01	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 85.01%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103029.D
Acq On : 13 Apr 2022 9:38 pm
Operator : BGL
Sample : 22D0541-09 Inst : GCMSSV4
Misc :
ALS Vial : 29 Sample Multiplier: 1

599

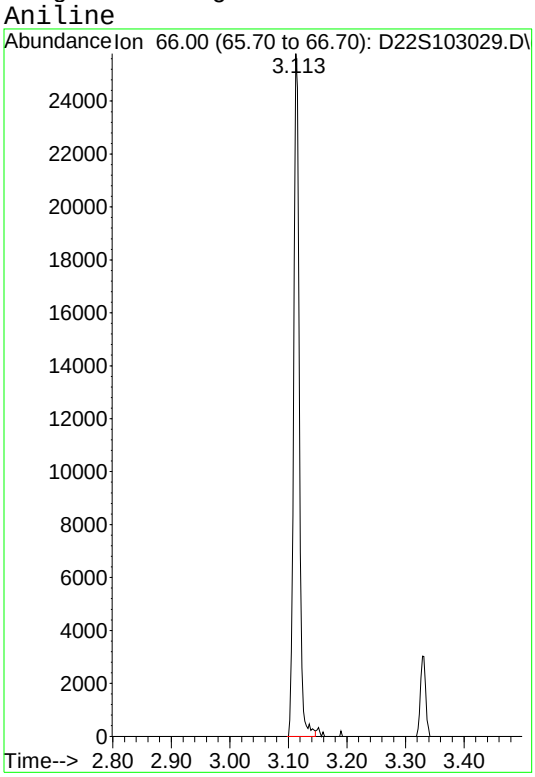
Quant Time: Apr 14 09:33:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103029.D
Acq On : 13 Apr 2022 9:38 pm
Operator : BGL
Sample : 22D0541-09
Misc :

Quant Time : Thu Apr 14 09:33:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

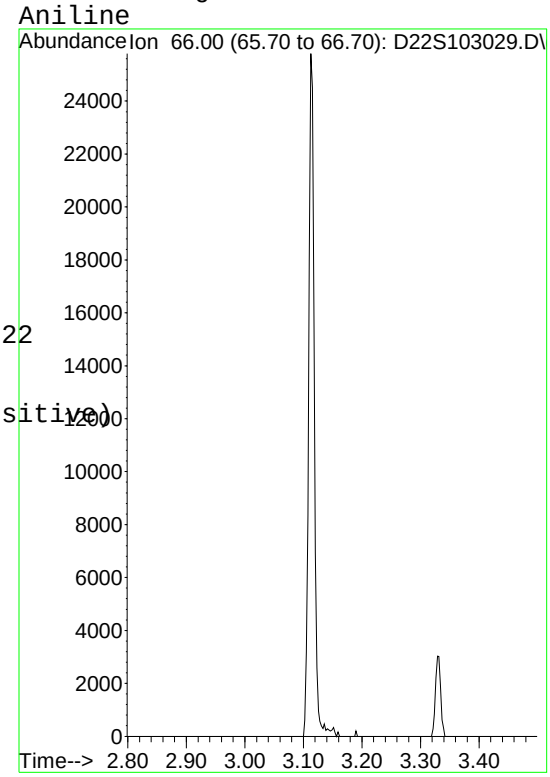
RT : 3.11
Area : 16831
Amount: 7.29294

Manual Int. Results

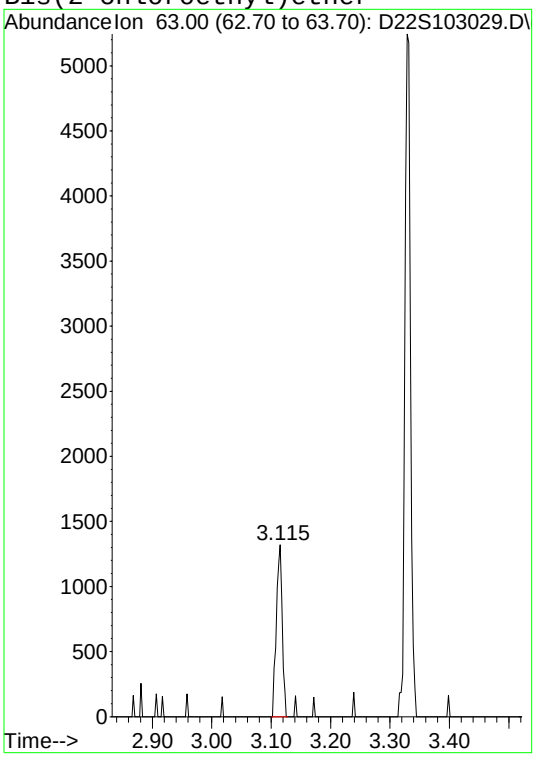
Thu Apr 14 09:33:19 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

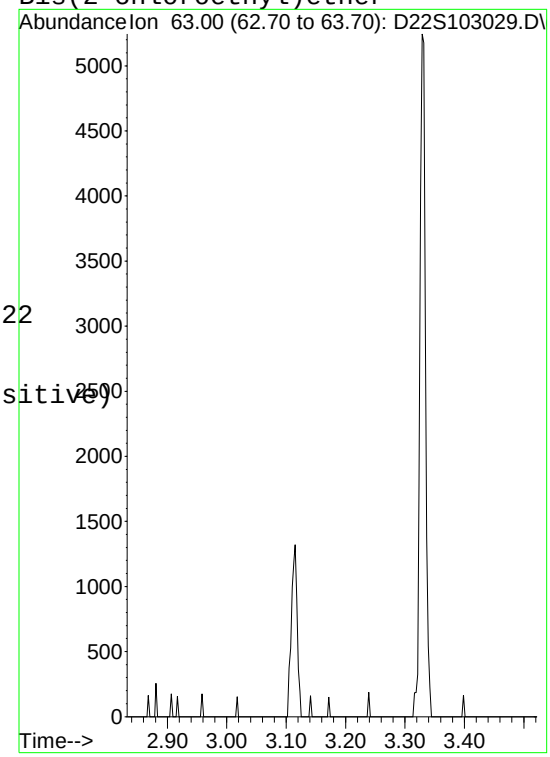
RT : 3.12
Area : 908
Amount: 0.203531

Manual Int. Results

Thu Apr 14 09:33:21 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

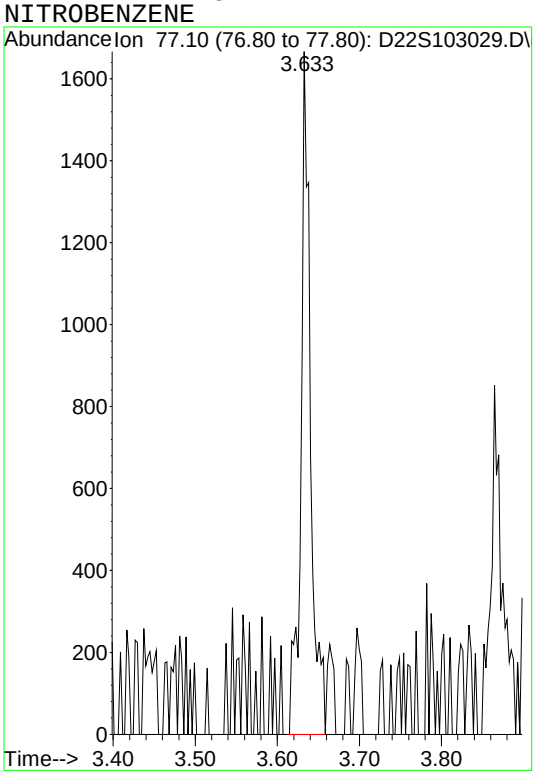
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103029.D
Acq On : 13 Apr 2022 9:38 pm
Operator : BGL
Sample : 22D0541-09
Misc :

Quant Time : Thu Apr 14 09:33:29 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
NITROBENZENE



Original Int. Results

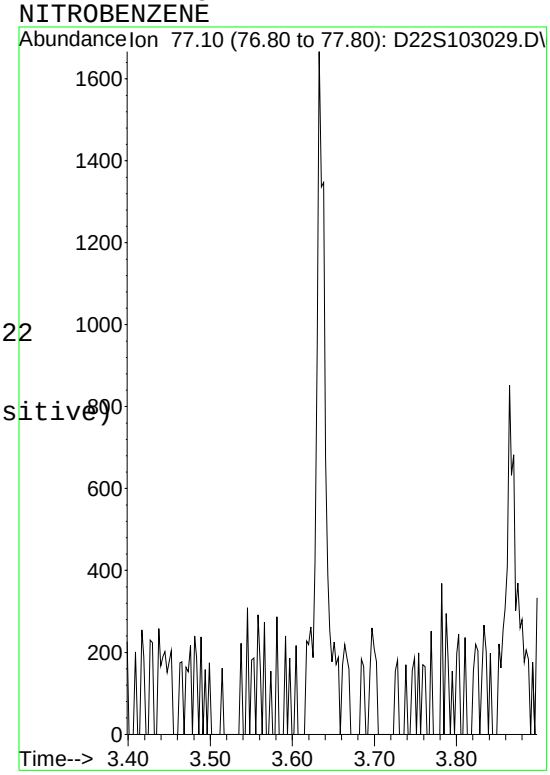
RT : 3.63
Area : 1343
Amount: 0.269487

Manual Int. Results

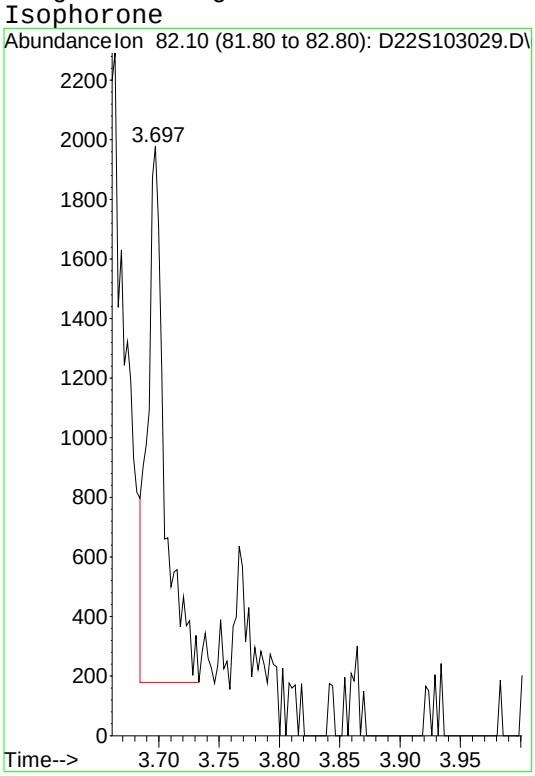
Thu Apr 14 09:33:29 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
Isophorone



Original Int. Results

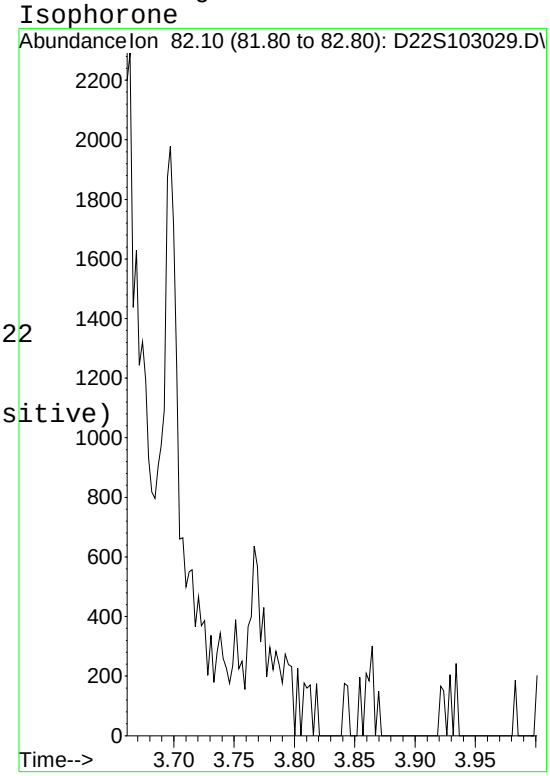
RT : 3.70
Area : 1793
Amount: 0.206018

Manual Int. Results

Thu Apr 14 09:33:28 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Isophorone



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10	File ID:	D22S104034.D
Sampled:	04/05/22 17:20	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 21:23
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	900 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.58	5.6	
208-96-8	Acenaphthylene		0.54	5.6	
98-86-2	Acetophenone		0.59	11	
62-53-3	Aniline		0.78	5.6	V-05
120-12-7	Anthracene		0.51	5.6	
92-87-5	Benzidine		12	22	5, R-05, V-04, V
56-55-3	Benzo(a)anthracene		0.45	5.6	
50-32-8	Benzo(a)pyrene		0.63	5.6	
205-99-2	Benzo(b)fluoranthene		0.52	5.6	
191-24-2	Benzo(g,h,i)perylene		0.68	5.6	
207-08-9	Benzo(k)fluoranthene		0.54	5.6	
65-85-0	Benzoic Acid		9.4	11	
111-91-1	Bis(2-chloroethoxy)methane		0.51	11	
111-44-4	Bis(2-chloroethyl)ether		0.63	11	
108-60-1	Bis(2-chloroisopropyl)ether		0.76	11	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.93	11	
101-55-3	4-Bromophenylphenylether		0.52	11	
85-68-7	Butylbenzylphthalate		0.75	11	
86-74-8	Carbazole		0.47	11	
106-47-8	4-Chloroaniline		0.64	11	V-34
59-50-7	4-Chloro-3-methylphenol		0.62	11	
91-58-7	2-Chloronaphthalene		0.54	11	
95-57-8	2-Chlorophenol		0.53	11	
7005-72-3	4-Chlorophenylphenylether		0.53	11	
218-01-9	Chrysene		0.44	5.6	
53-70-3	Dibenz(a,h)anthracene		0.77	5.6	
132-64-9	Dibenzofuran		0.54	5.6	
84-74-2	Di-n-butylphthalate		0.51	11	
95-50-1	1,2-Dichlorobenzene		0.74	5.6	
541-73-1	1,3-Dichlorobenzene		0.75	5.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10	File ID:	D22S104034.D
Sampled:	04/05/22 17:20	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 21:23
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	900 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.74	5.6	
91-94-1	3,3-Dichlorobenzidine		0.79	11	
120-83-2	2,4-Dichlorophenol		0.53	11	
84-66-2	Diethylphthalate		0.46	11	
105-67-9	2,4-Dimethylphenol		0.78	11	
131-11-3	Dimethylphthalate		0.42	11	
534-52-1	4,6-Dinitro-2-methylphenol		7.8	11	
51-28-5	2,4-Dinitrophenol		9.0	11	
121-14-2	2,4-Dinitrotoluene		0.68	11	
606-20-2	2,6-Dinitrotoluene		0.58	11	
117-84-0	Di-n-octylphthalate		4.4	11	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.64	11	
206-44-0	Fluoranthene		0.48	5.6	
86-73-7	Fluorene		0.58	5.6	
118-74-1	Hexachlorobenzene		0.56	11	
87-68-3	Hexachlorobutadiene		0.86	11	
77-47-4	Hexachlorocyclopentadiene		4.1	11	
67-72-1	Hexachloroethane		0.82	11	
193-39-5	Indeno(1,2,3-cd)pyrene		0.82	5.6	
78-59-1	Isophorone		0.61	11	
90-12-0	1-Methylnaphthalene		0.67	5.6	
91-57-6	2-Methylnaphthalene		0.77	5.6	
95-48-7	2-Methylphenol		0.53	11	
108-39-4/106-4	3/4-Methylphenol		0.51	11	
91-20-3	Naphthalene		0.68	5.6	
88-74-4	2-Nitroaniline		0.77	11	
99-09-2	3-Nitroaniline		0.65	11	
100-01-6	4-Nitroaniline		0.67	11	
98-95-3	Nitrobenzene		0.70	11	
88-75-5	2-Nitrophenol		0.57	11	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10	File ID:	D22S104034.D
Sampled:	04/05/22 17:20	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 21:23
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	900 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.3	11	
62-75-9	N-Nitrosodimethylamine		0.87	11	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.42	11	
621-64-7	N-Nitrosodi-n-propylamine		0.68	11	
82-68-8	Pentachloronitrobenzene		0.69	11	
87-86-5	Pentachlorophenol		3.9	11	
85-01-8	Phenanthrene		0.53	5.6	
108-95-2	Phenol		0.25	11	
129-00-0	Pyrene		0.68	5.6	
110-86-1	Pyridine		2.7	5.6	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.73	11	
120-82-1	1,2,4-Trichlorobenzene		0.74	5.6	
95-95-4	2,4,5-Trichlorophenol		0.57	11	
88-06-2	2,4,6-Trichlorophenol		0.50	11	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104034.D
Acq On : 14 Apr 2022 9:23 pm
Operator : BGL
Sample : 22D0541-10@/stdw Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 15 08:11:52 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

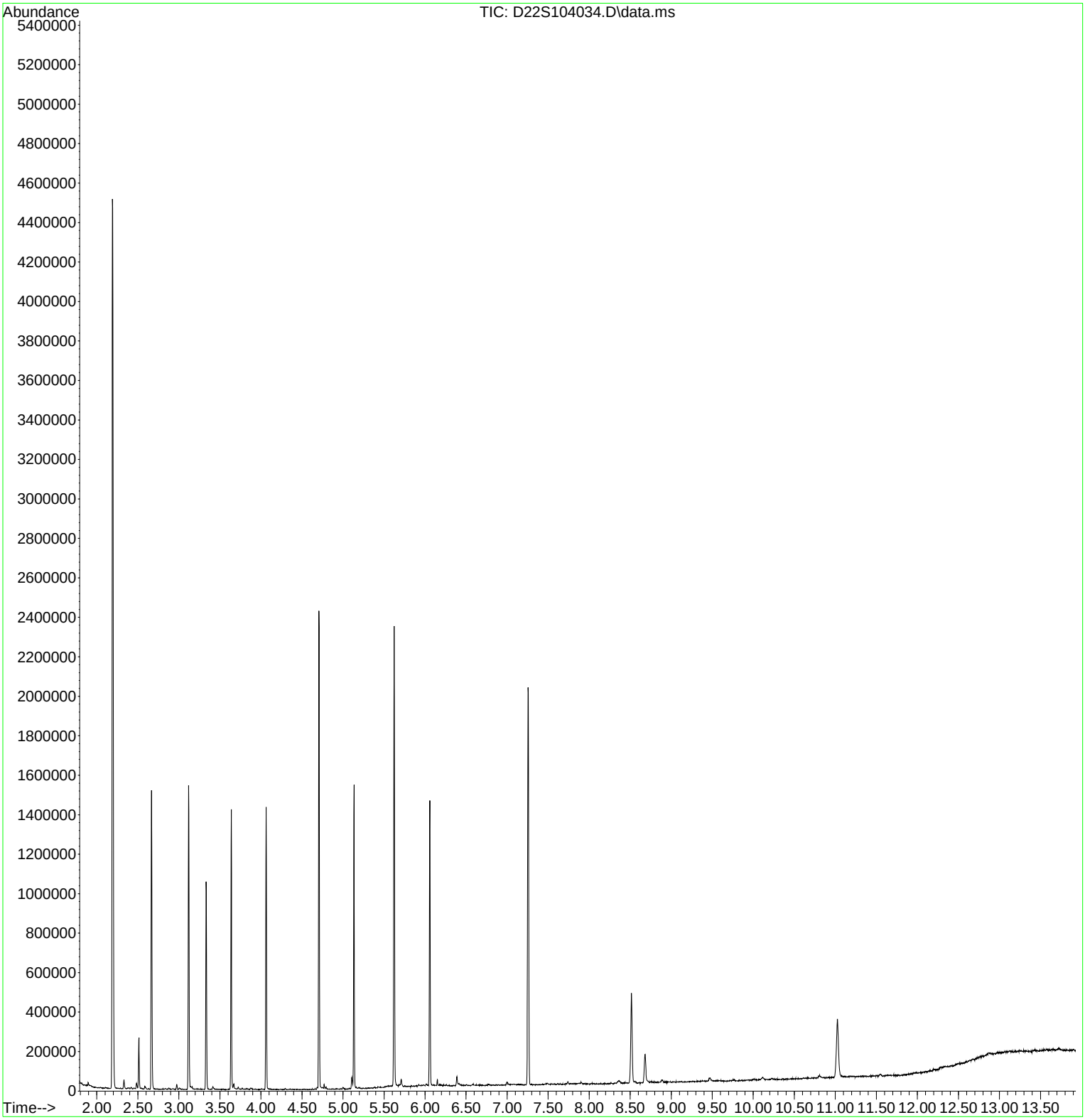
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.334	152	111109	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	421128	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	217151	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	355835	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	191077	40.00	ug/ml	0.00
80) PERYLENE-D12	11.025	264	175784	40.00	ug/ml	0.02
System Monitoring Compounds						
2) 2-Fluorophenol	2.667	112	281467	81.53	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.77%			
3) Phenol-d6	3.118	99	343210	61.52	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 30.76%			
20) Nitrobenzene-d5	3.638	82	289146	63.79	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.79%			
36) 2-Fluorobiphenyl	4.709	172	495792	69.31	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.31%			
37) 2,4,6-Tribromophenol	5.623	330	150837	158.66	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 79.33%			
72) Terphenyl-d14	7.256	244	590801	107.33	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 107.33%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104034.D
Acq On : 14 Apr 2022 9:23 pm
Operator : BGL
Sample : 22D0541-10@/stdw Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

606

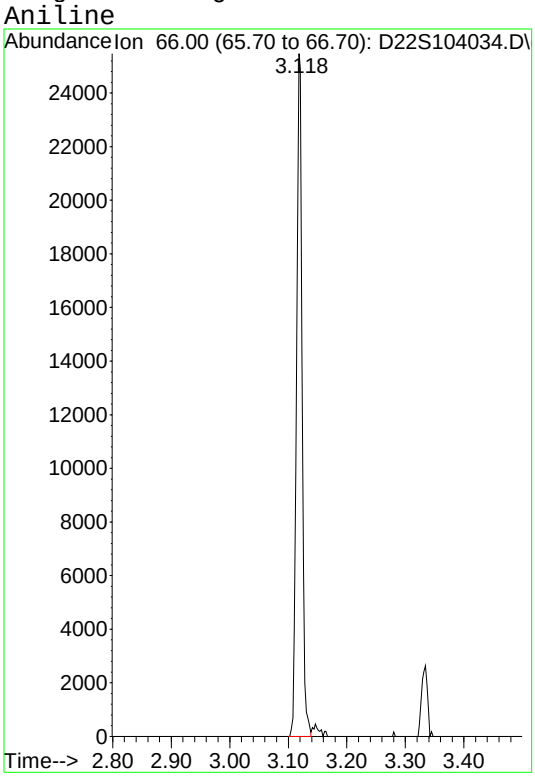
Quant Time: Apr 15 08:11:52 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104034.D
Acq On : 14 Apr 2022 9:23 pm
Operator : BGL
Sample : 22D0541-10@/stdw
Misc :

Quant Time : Fri Apr 15 08:11:52 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

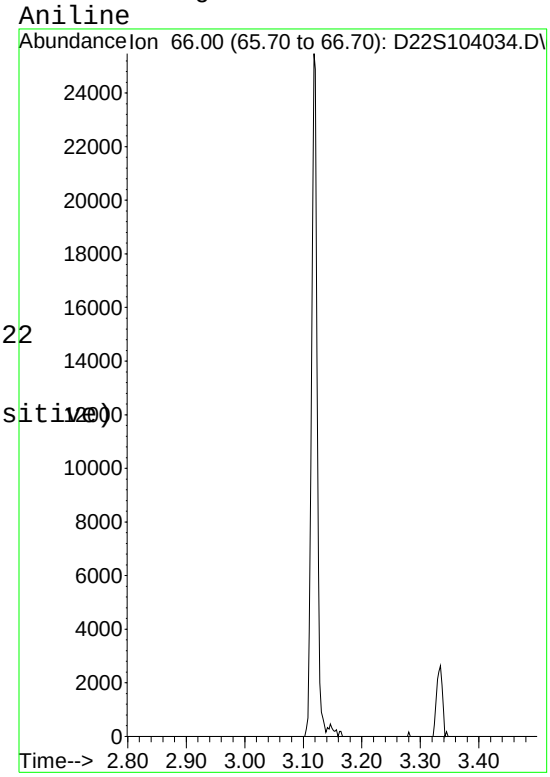
RT : 3.12
Area : 16724
Amount: 7.25786

Manual Int. Results

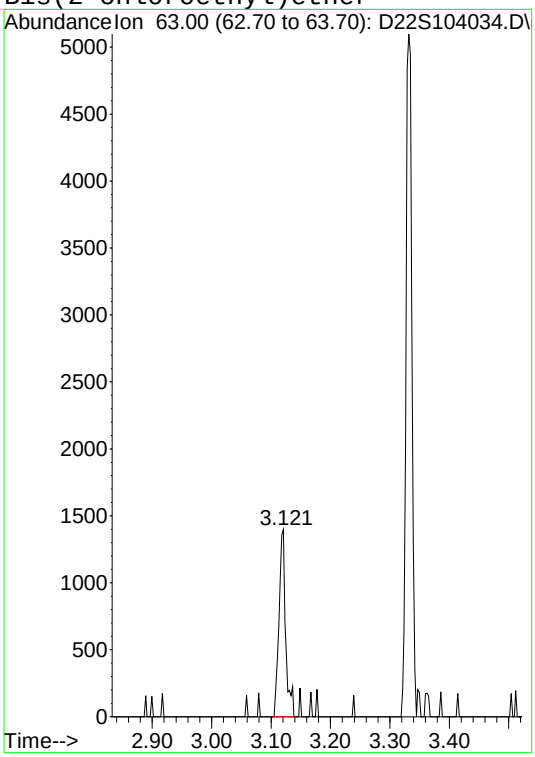
Fri Apr 15 08:11:35 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

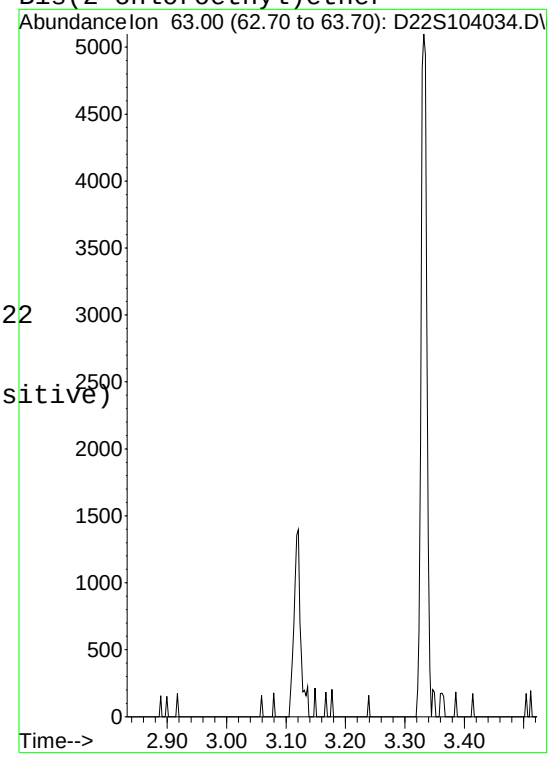
RT : 3.12
Area : 1084
Amount: 0.243361

Manual Int. Results

Fri Apr 15 08:11:37 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

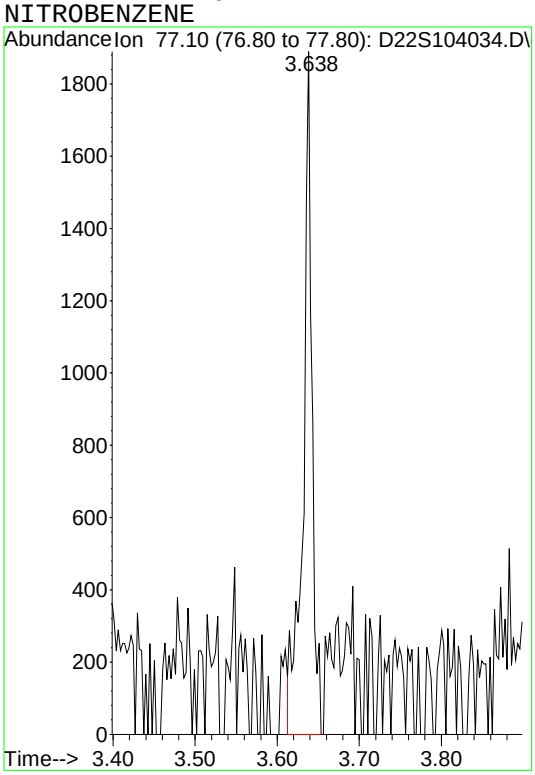
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104034.D
Acq On : 14 Apr 2022 9:23 pm
Operator : BGL
Sample : 22D0541-10@/stdw
Misc :

Quant Time : Fri Apr 15 08:11:52 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
NITROBENZENE



Original Int. Results

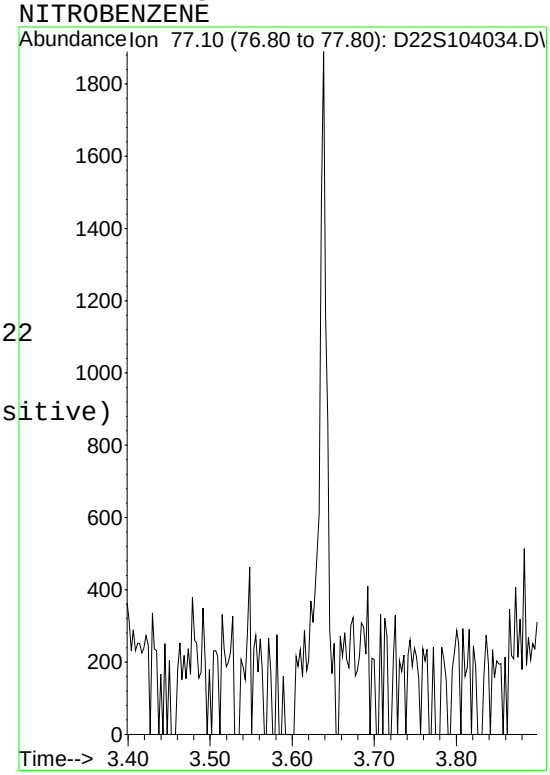
RT : 3.64
Area : 1385
Amount: 0.285495

Manual Int. Results

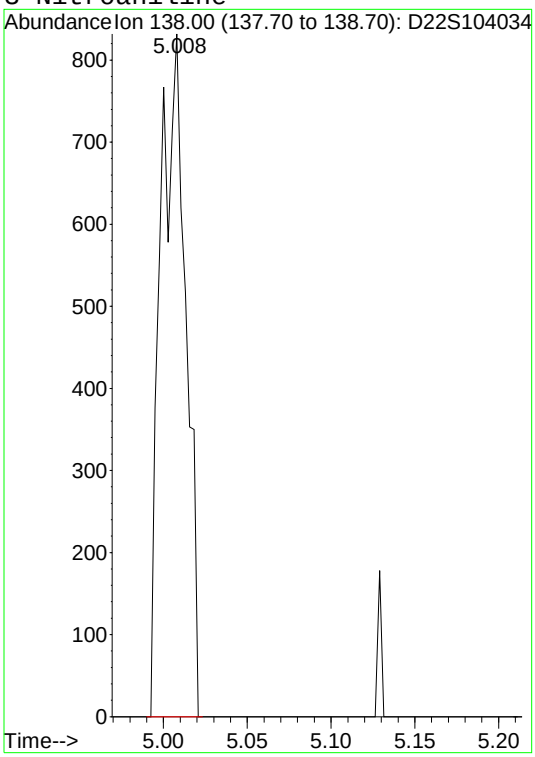
Fri Apr 15 08:11:40 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



Original Integration
3-Nitroaniline



Original Int. Results

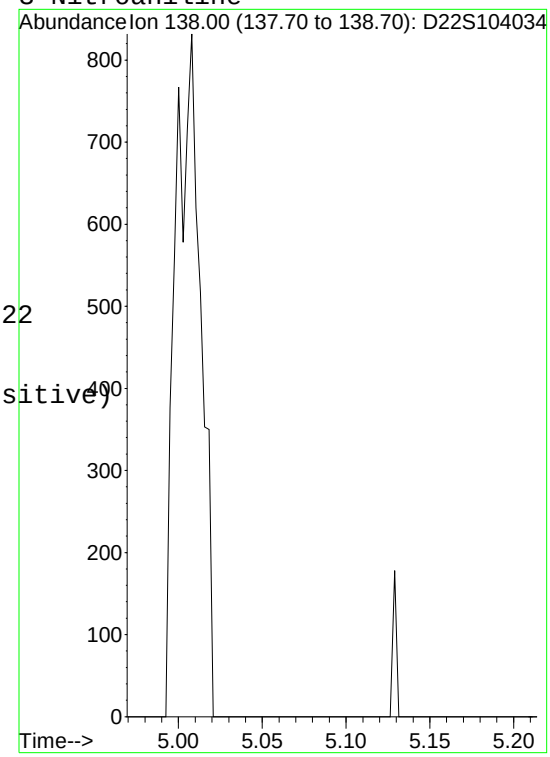
RT : 5.01
Area : 876
Amount: 0.408533

Manual Int. Results

Fri Apr 15 08:11:45 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

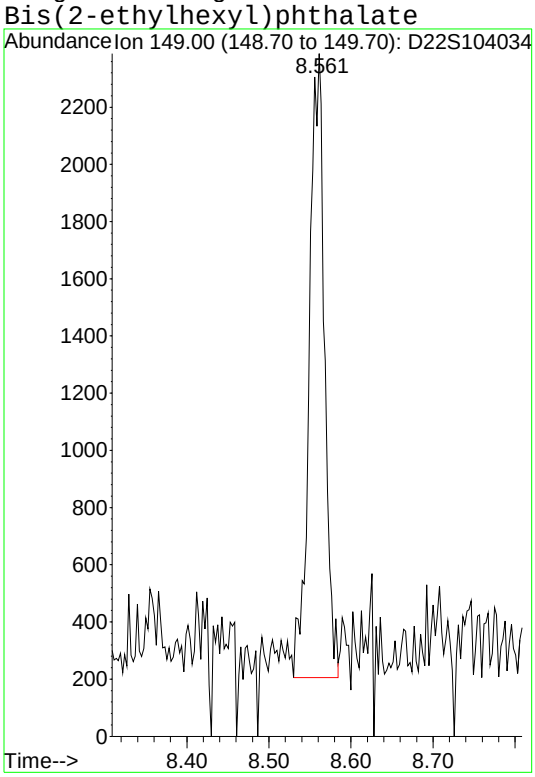
Manual Integration
3-Nitroaniline



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104034.D
Acq On : 14 Apr 2022 9:23 pm
Operator : BGL
Sample : 22D0541-10@/stdw
Misc :

Quant Time : Fri Apr 15 08:11:52 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

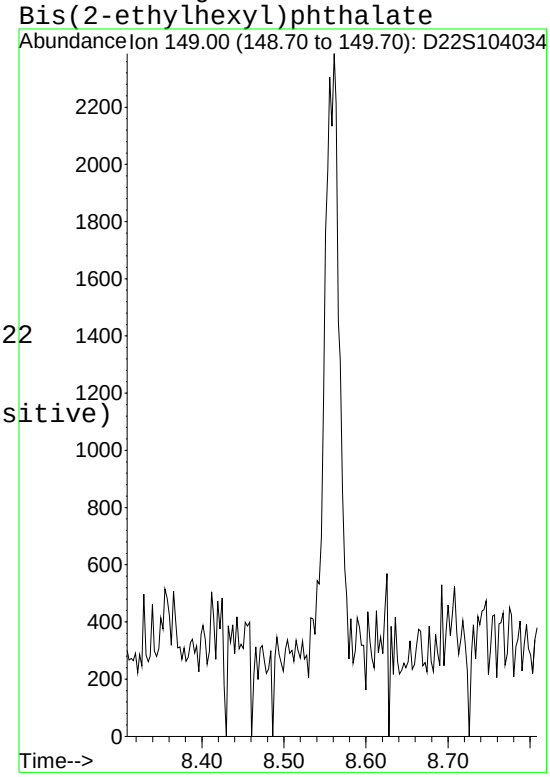
RT : 8.56
Area : 2821
Amount: 0.480254

Manual Int. Results

Fri Apr 15 08:11:52 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11	File ID:	D22S104035.D
Sampled:	04/05/22 15:42	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 21:47
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.9	
208-96-8	Acenaphthylene		0.47	4.9	
98-86-2	Acetophenone		0.52	9.7	
62-53-3	Aniline		0.68	4.9	V-05
120-12-7	Anthracene		0.45	4.9	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.40	4.9	
50-32-8	Benzo(a)pyrene		0.55	4.9	
205-99-2	Benzo(b)fluoranthene		0.46	4.9	
191-24-2	Benzo(g,h,i)perylene		0.59	4.9	
207-08-9	Benzo(k)fluoranthene		0.47	4.9	
65-85-0	Benzoic Acid		8.2	9.7	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.7	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.7	
108-60-1	Bis(2-chloroisopropyl)ether		0.67	9.7	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.82	9.7	
101-55-3	4-Bromophenylphenylether		0.46	9.7	
85-68-7	Butylbenzylphthalate		0.65	9.7	
86-74-8	Carbazole		0.41	9.7	
106-47-8	4-Chloroaniline		0.56	9.7	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.7	
91-58-7	2-Chloronaphthalene		0.47	9.7	
95-57-8	2-Chlorophenol		0.46	9.7	
7005-72-3	4-Chlorophenylphenylether		0.47	9.7	
218-01-9	Chrysene		0.38	4.9	
53-70-3	Dibenz(a,h)anthracene		0.67	4.9	
132-64-9	Dibenzofuran		0.47	4.9	
84-74-2	Di-n-butylphthalate		0.45	9.7	
95-50-1	1,2-Dichlorobenzene		0.65	4.9	
541-73-1	1,3-Dichlorobenzene		0.65	4.9	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11	File ID:	D22S104035.D
Sampled:	04/05/22 15:42	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 21:47
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.65	4.9	
91-94-1	3,3-Dichlorobenzidine		0.69	9.7	
120-83-2	2,4-Dichlorophenol		0.46	9.7	
84-66-2	Diethylphthalate		0.41	9.7	
105-67-9	2,4-Dimethylphenol		0.68	9.7	
131-11-3	Dimethylphthalate		0.37	9.7	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.7	
51-28-5	2,4-Dinitrophenol		7.8	9.7	
121-14-2	2,4-Dinitrotoluene		0.60	9.7	
606-20-2	2,6-Dinitrotoluene		0.50	9.7	
117-84-0	Di-n-octylphthalate		3.8	9.7	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.56	9.7	
206-44-0	Fluoranthene		0.42	4.9	
86-73-7	Fluorene		0.50	4.9	
118-74-1	Hexachlorobenzene		0.49	9.7	
87-68-3	Hexachlorobutadiene		0.75	9.7	
77-47-4	Hexachlorocyclopentadiene		3.6	9.7	
67-72-1	Hexachloroethane		0.72	9.7	
193-39-5	Indeno(1,2,3-cd)pyrene		0.72	4.9	
78-59-1	Isophorone		0.54	9.7	
90-12-0	1-Methylnaphthalene		0.58	4.9	
91-57-6	2-Methylnaphthalene		0.67	4.9	
95-48-7	2-Methylphenol		0.46	9.7	
108-39-4/106-4	3/4-Methylphenol		0.44	9.7	
91-20-3	Naphthalene		0.60	4.9	
88-74-4	2-Nitroaniline		0.67	9.7	
99-09-2	3-Nitroaniline		0.57	9.7	
100-01-6	4-Nitroaniline		0.58	9.7	
98-95-3	Nitrobenzene		0.61	9.7	
88-75-5	2-Nitrophenol		0.50	9.7	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11	File ID:	D22S104035.D
Sampled:	04/05/22 15:42	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 21:47
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.7	
62-75-9	N-Nitrosodimethylamine		0.76	9.7	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.7	
621-64-7	N-Nitrosodi-n-propylamine		0.60	9.7	
82-68-8	Pentachloronitrobenzene		0.60	9.7	
87-86-5	Pentachlorophenol		3.4	9.7	
85-01-8	Phenanthrene		0.46	4.9	
108-95-2	Phenol		0.22	9.7	
129-00-0	Pyrene		0.59	4.9	
110-86-1	Pyridine		2.4	4.9	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.7	
120-82-1	1,2,4-Trichlorobenzene		0.65	4.9	
95-95-4	2,4,5-Trichlorophenol		0.50	9.7	
88-06-2	2,4,6-Trichlorophenol		0.44	9.7	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104035.D
Acq On : 14 Apr 2022 9:47 pm
Operator : BGL
Sample : 22D0541-11 Inst : GCMSSV4
Misc :
ALS Vial : 35 Sample Multiplier: 1

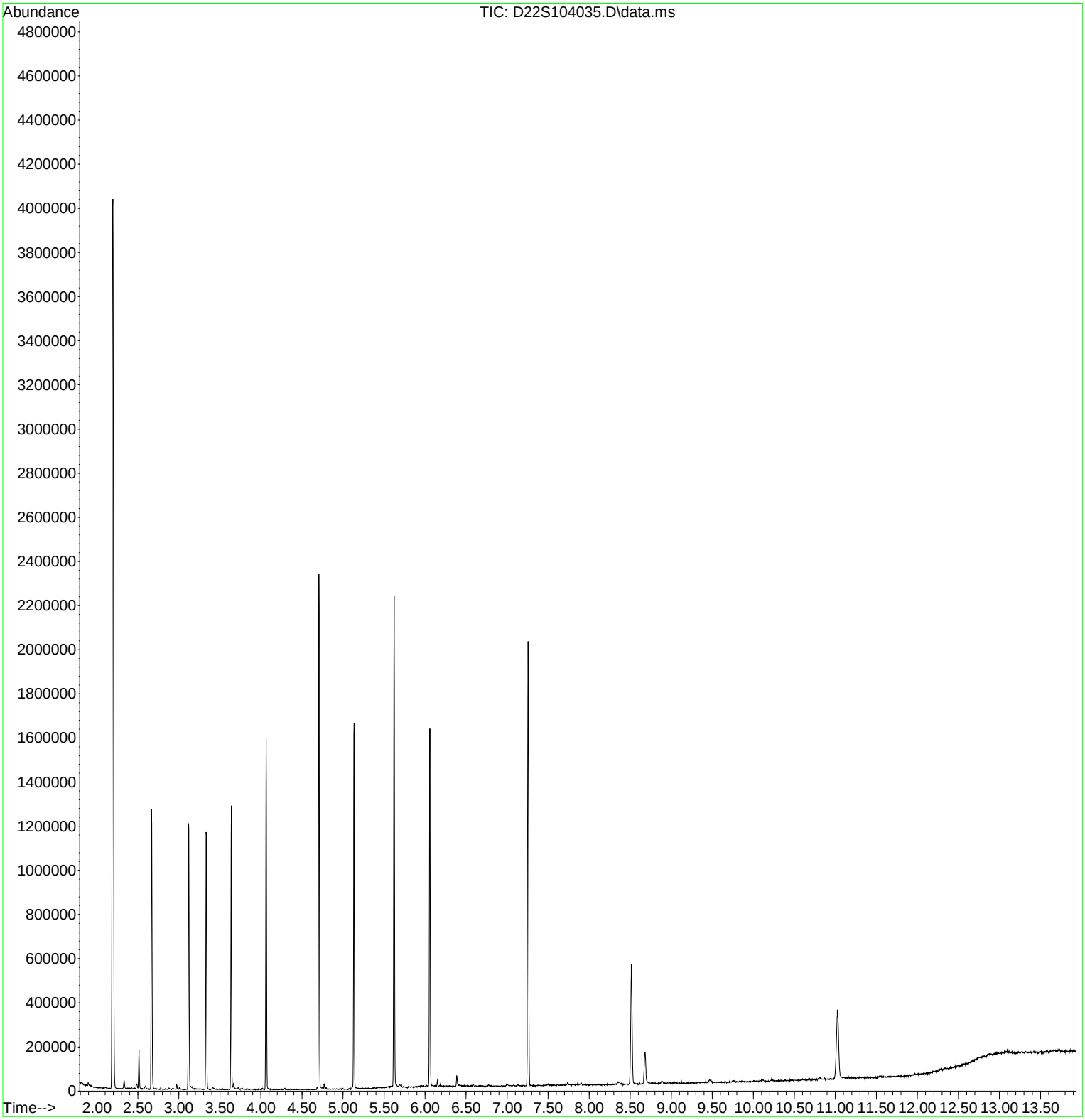
Quant Time: Apr 15 08:12:12 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.334	152	122245	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	467885	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	245829	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	403884	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	225891	40.00	ug/ml	0.00
80) PERYLENE-D12	11.025	264	194205	40.00	ug/ml	0.02
System Monitoring Compounds						
2) 2-Fluorophenol	2.667	112	248184	65.34	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 32.67%			
3) Phenol-d6	3.120	99	279837	45.59	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 22.80%#			
20) Nitrobenzene-d5	3.638	82	266226	52.87	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.87%			
36) 2-Fluorobiphenyl	4.706	172	471909	58.28	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 58.28%			
37) 2,4,6-Tribromophenol	5.623	330	151193	140.48	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 70.24%			
72) Terphenyl-d14	7.256	244	572653	88.00	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 88.00%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104035.D
Acq On : 14 Apr 2022 9:47 pm
Operator : BGL
Sample : 22D0541-11 Inst : GCMSSV4
Misc :
ALS Vial : 35 Sample Multiplier: 1

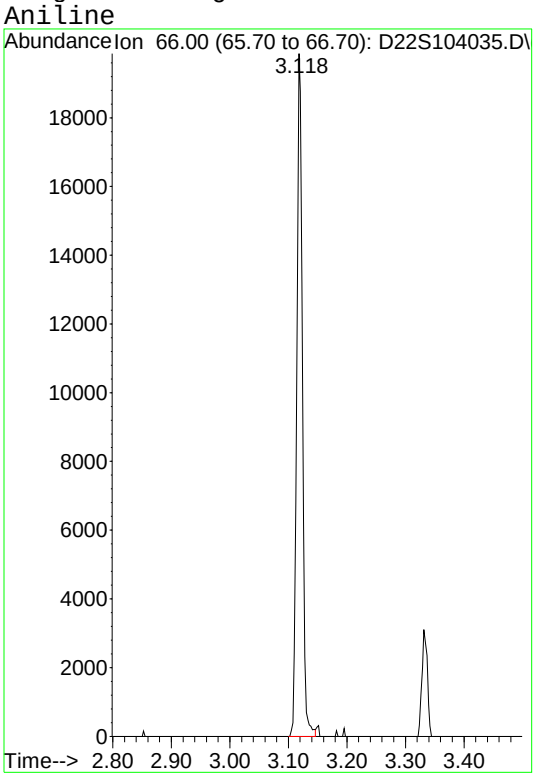
Quant Time: Apr 15 08:12:12 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104035.D
Acq On : 14 Apr 2022 9:47 pm
Operator : BGL
Sample : 22D0541-11
Misc :

Quant Time : Fri Apr 15 08:12:12 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

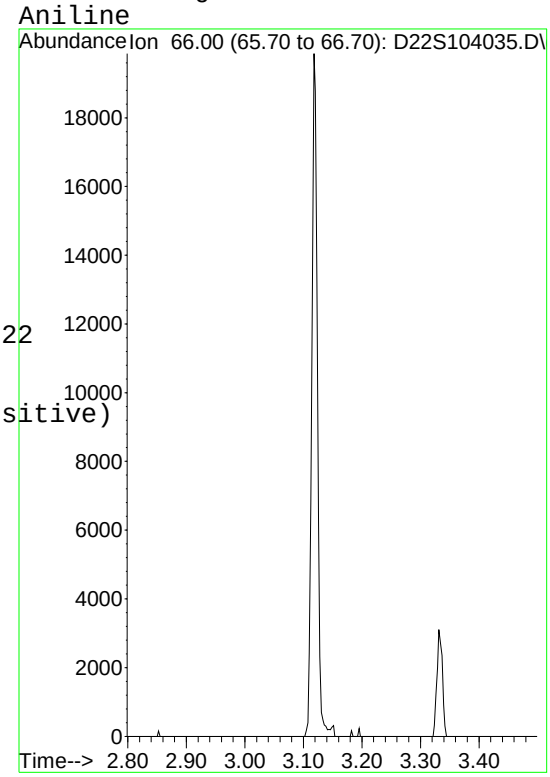
RT : 3.12
Area : 13250
Amount: 5.2264

Manual Int. Results

Fri Apr 15 08:12:12 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12	File ID:	D22S104036.D
Sampled:	04/05/22 13:51	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 22:12
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	990 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.52	5.1	
208-96-8	Acenaphthylene		0.49	5.1	
98-86-2	Acetophenone		0.54	10	
62-53-3	Aniline		0.70	5.1	V-05
120-12-7	Anthracene		0.46	5.1	
92-87-5	Benzidine		10	20	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.41	5.1	
50-32-8	Benzo(a)pyrene		0.57	5.1	
205-99-2	Benzo(b)fluoranthene		0.48	5.1	
191-24-2	Benzo(g,h,i)perylene		0.62	5.1	
207-08-9	Benzo(k)fluoranthene		0.49	5.1	
65-85-0	Benzoic Acid		8.5	10	
111-91-1	Bis(2-chloroethoxy)methane		0.46	10	
111-44-4	Bis(2-chloroethyl)ether		0.58	10	
108-60-1	Bis(2-chloroisopropyl)ether		0.70	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.85	10	
101-55-3	4-Bromophenylphenylether		0.47	10	
85-68-7	Butylbenzylphthalate		0.68	10	
86-74-8	Carbazole		0.43	10	
106-47-8	4-Chloroaniline		0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol		0.56	10	
91-58-7	2-Chloronaphthalene		0.49	10	
95-57-8	2-Chlorophenol		0.48	10	
7005-72-3	4-Chlorophenylphenylether		0.48	10	
218-01-9	Chrysene		0.40	5.1	
53-70-3	Dibenz(a,h)anthracene		0.70	5.1	
132-64-9	Dibenzofuran		0.49	5.1	
84-74-2	Di-n-butylphthalate		0.46	10	
95-50-1	1,2-Dichlorobenzene		0.67	5.1	
541-73-1	1,3-Dichlorobenzene		0.68	5.1	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12	File ID:	D22S104036.D
Sampled:	04/05/22 13:51	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 22:12
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	990 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.67	5.1	
91-94-1	3,3-Dichlorobenzidine		0.72	10	
120-83-2	2,4-Dichlorophenol		0.48	10	
84-66-2	Diethylphthalate		0.42	10	
105-67-9	2,4-Dimethylphenol		0.71	10	
131-11-3	Dimethylphthalate		0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol		7.1	10	
51-28-5	2,4-Dinitrophenol		8.1	10	
121-14-2	2,4-Dinitrotoluene		0.62	10	
606-20-2	2,6-Dinitrotoluene		0.52	10	
117-84-0	Di-n-octylphthalate		4.0	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.58	10	
206-44-0	Fluoranthene		0.43	5.1	
86-73-7	Fluorene		0.53	5.1	
118-74-1	Hexachlorobenzene		0.51	10	
87-68-3	Hexachlorobutadiene		0.78	10	
77-47-4	Hexachlorocyclopentadiene		3.7	10	
67-72-1	Hexachloroethane		0.75	10	
193-39-5	Indeno(1,2,3-cd)pyrene		0.75	5.1	
78-59-1	Isophorone		0.56	10	
90-12-0	1-Methylnaphthalene		0.61	5.1	
91-57-6	2-Methylnaphthalene		0.70	5.1	
95-48-7	2-Methylphenol		0.48	10	
108-39-4/106-4	3/4-Methylphenol		0.46	10	
91-20-3	Naphthalene		0.62	5.1	
88-74-4	2-Nitroaniline		0.70	10	
99-09-2	3-Nitroaniline		0.59	10	
100-01-6	4-Nitroaniline		0.60	10	
98-95-3	Nitrobenzene		0.63	10	
88-75-5	2-Nitrophenol		0.52	10	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12	File ID:	D22S104036.D
Sampled:	04/05/22 13:51	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 22:12
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	990 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	10	
62-75-9	N-Nitrosodimethylamine		0.79	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.39	10	
621-64-7	N-Nitrosodi-n-propylamine		0.62	10	
82-68-8	Pentachloronitrobenzene		0.63	10	
87-86-5	Pentachlorophenol		3.5	10	
85-01-8	Phenanthrene		0.48	5.1	
108-95-2	Phenol		0.23	10	
129-00-0	Pyrene		0.62	5.1	
110-86-1	Pyridine		2.5	5.1	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.66	10	
120-82-1	1,2,4-Trichlorobenzene		0.68	5.1	
95-95-4	2,4,5-Trichlorophenol		0.52	10	
88-06-2	2,4,6-Trichlorophenol		0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104036.D
Acq On : 14 Apr 2022 10:12 pm
Operator : BGL
Sample : 22D0541-12 Inst : GCMSSV4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Apr 15 08:12:37 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.334	152	119071	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	454584	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	241214	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	407725	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	227122	40.00	ug/ml	0.00
80) PERYLENE-D12	11.025	264	198078	40.00	ug/ml	0.02
System Monitoring Compounds						
2) 2-Fluorophenol	2.667	112	276842	74.83	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.41%			
3) Phenol-d6	3.118	99	328895	55.01	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 27.51%#			
20) Nitrobenzene-d5	3.638	82	302948	61.92	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 61.92%			
36) 2-Fluorobiphenyl	4.709	172	545138	68.61	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 68.61%			
37) 2,4,6-Tribromophenol	5.623	330	168604	159.66	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 79.83%			
72) Terphenyl-d14	7.256	244	644509	98.51	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 98.51%			
Target Compounds						Qvalue

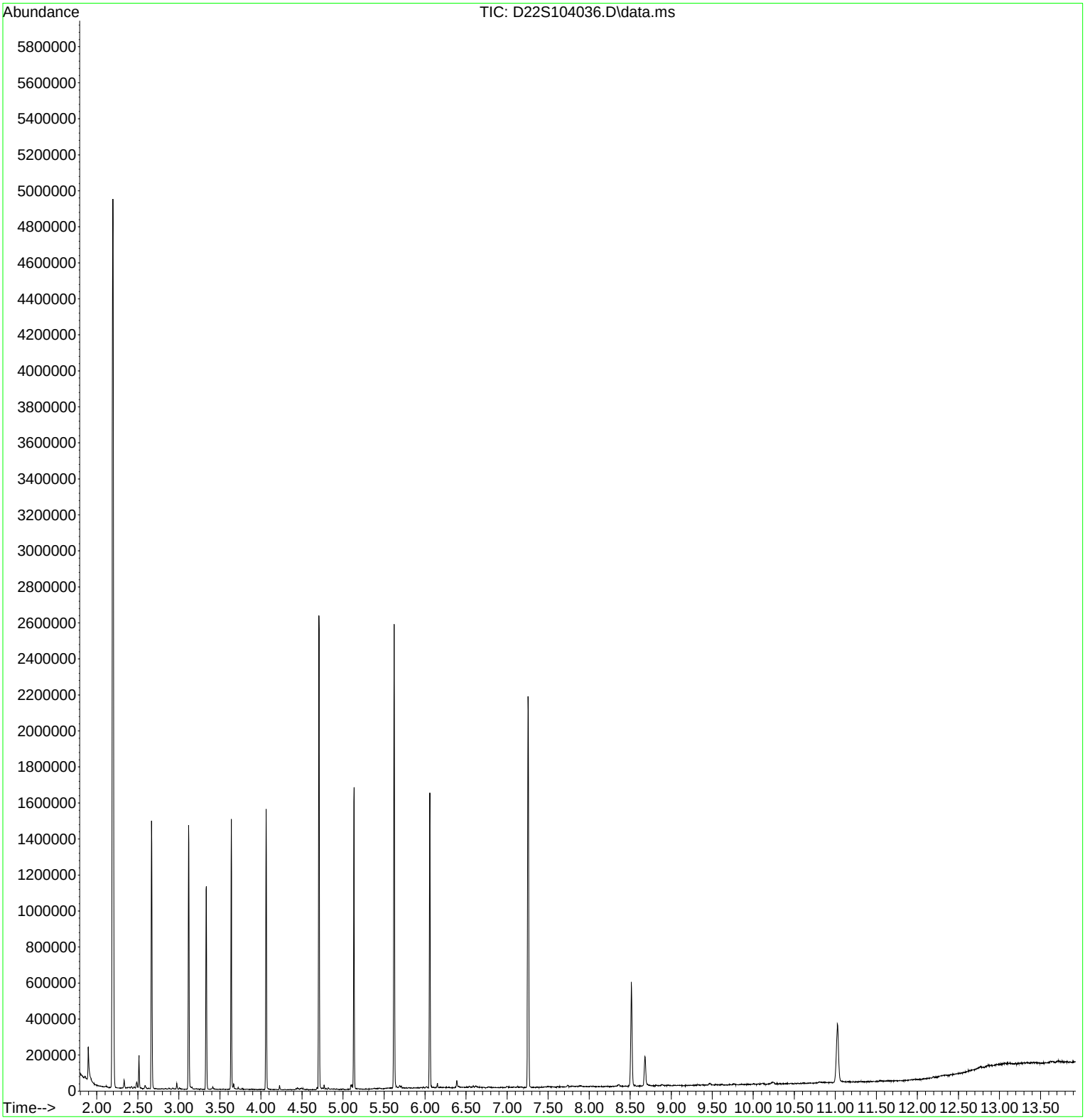
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104036.D
Acq On : 14 Apr 2022 10:12 pm
Operator : BGL
Sample : 22D0541-12 Inst : GCMSSV4
Misc :
ALS Vial : 36 Sample Multiplier: 1

620

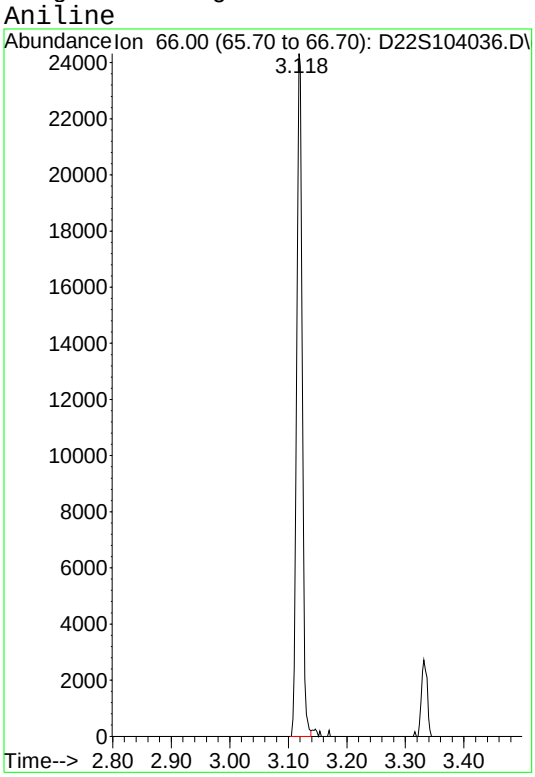
Quant Time: Apr 15 08:12:37 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104036.D
Acq On : 14 Apr 2022 10:12 pm
Operator : BGL
Sample : 22D0541-12
Misc :

Quant Time : Fri Apr 15 08:12:37 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

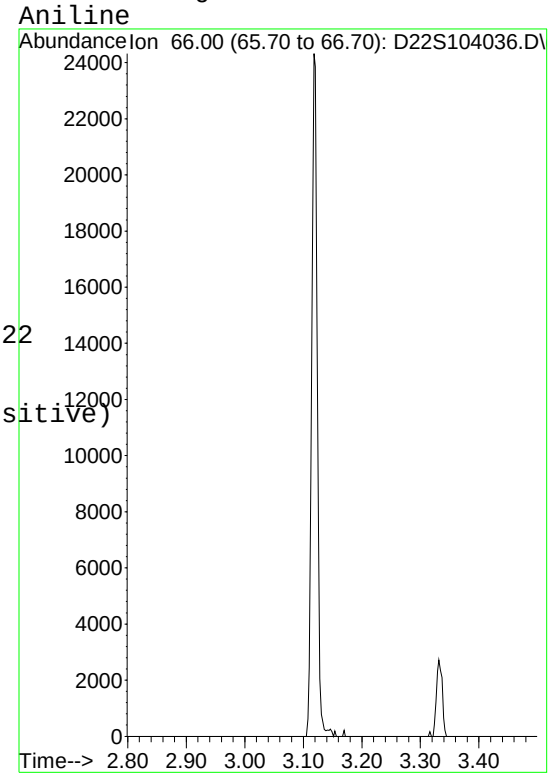
RT : 3.12
Area : 16022
Amount: 6.48826

Manual Int. Results

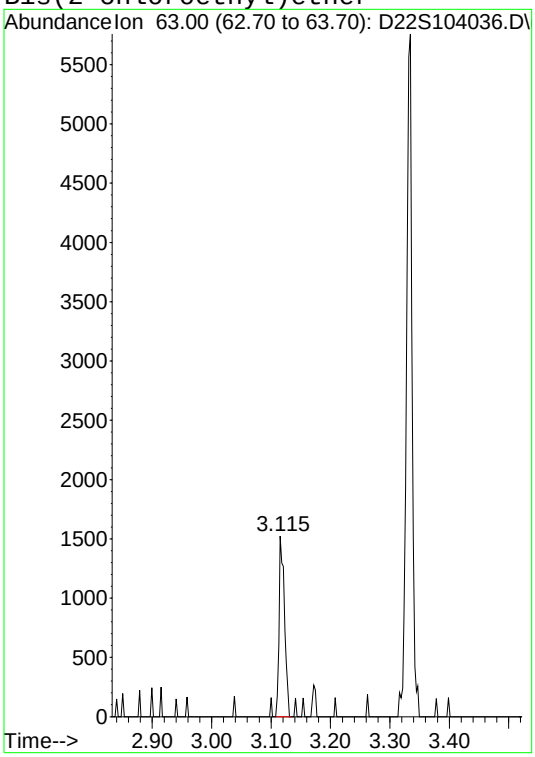
Fri Apr 15 08:12:31 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

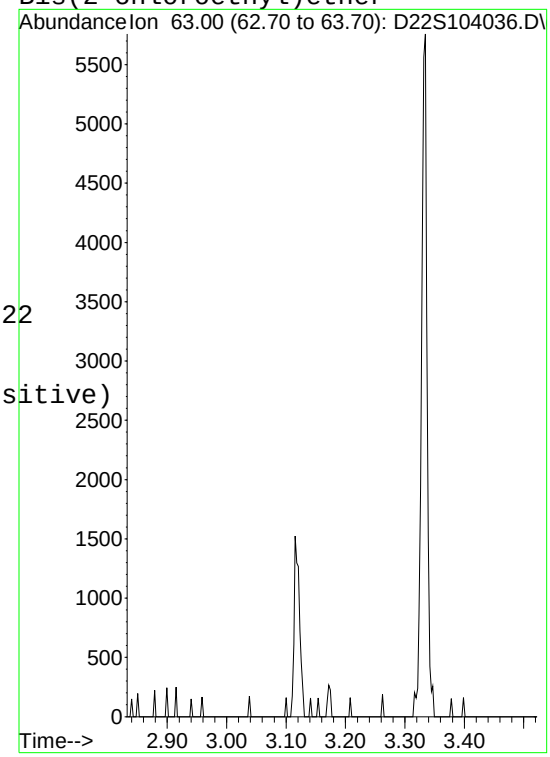
RT : 3.12
Area : 972
Amount: 0.203625

Manual Int. Results

Fri Apr 15 08:12:34 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

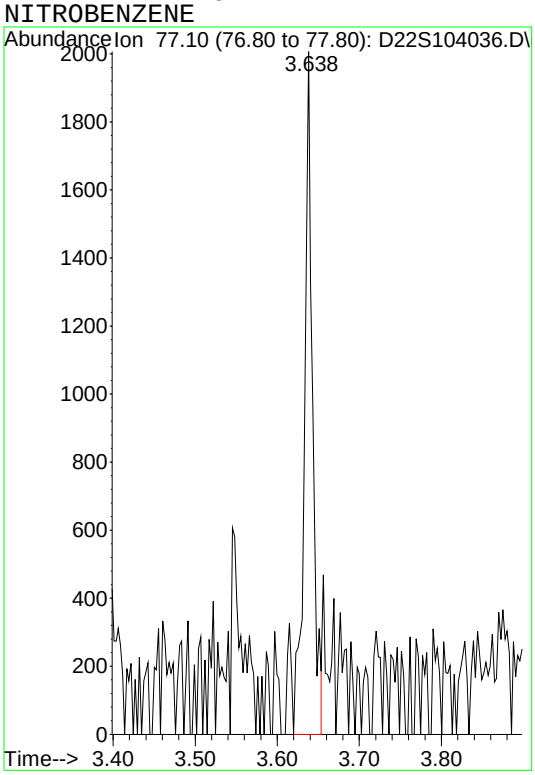
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104036.D
Acq On : 14 Apr 2022 10:12 pm
Operator : BGL
Sample : 22D0541-12
Misc :

Quant Time : Fri Apr 15 08:12:37 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
NITROBENZENE



Original Int. Results

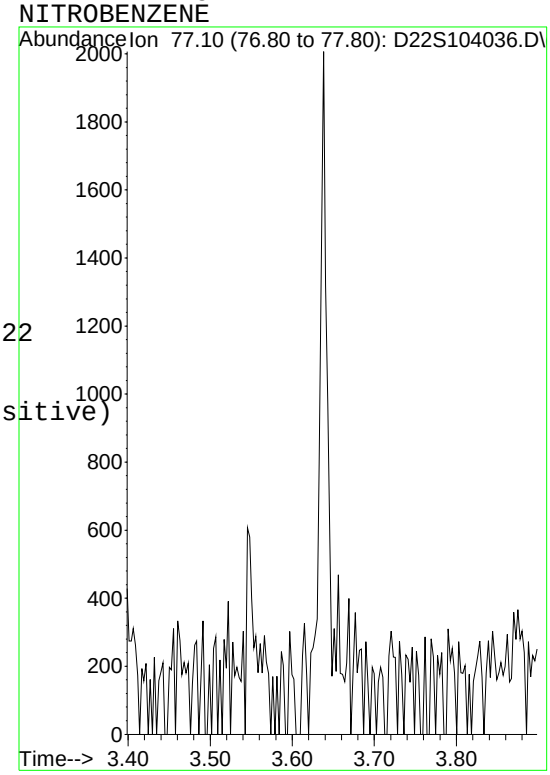
RT : 3.64
Area : 1372
Amount: 0.262001

Manual Int. Results

Fri Apr 15 08:12:37 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13	File ID:	D22S104037.D
Sampled:	04/05/22 12:15	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 22:37
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1020 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.51	4.9	
208-96-8	Acenaphthylene		0.47	4.9	
98-86-2	Acetophenone		0.52	9.8	
62-53-3	Aniline		0.68	4.9	V-05
120-12-7	Anthracene		0.45	4.9	
92-87-5	Benzidine		10	20	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.40	4.9	
50-32-8	Benzo(a)pyrene		0.56	4.9	
205-99-2	Benzo(b)fluoranthene		0.46	4.9	
191-24-2	Benzo(g,h,i)perylene		0.60	4.9	
207-08-9	Benzo(k)fluoranthene		0.48	4.9	
65-85-0	Benzoic Acid		8.3	9.8	
111-91-1	Bis(2-chloroethoxy)methane		0.45	9.8	
111-44-4	Bis(2-chloroethyl)ether		0.56	9.8	
108-60-1	Bis(2-chloroisopropyl)ether		0.67	9.8	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.82	9.8	
101-55-3	4-Bromophenylphenylether		0.46	9.8	
85-68-7	Butylbenzylphthalate		0.66	9.8	
86-74-8	Carbazole		0.42	9.8	
106-47-8	4-Chloroaniline		0.56	9.8	V-34
59-50-7	4-Chloro-3-methylphenol		0.55	9.8	
91-58-7	2-Chloronaphthalene		0.48	9.8	
95-57-8	2-Chlorophenol		0.46	9.8	
7005-72-3	4-Chlorophenylphenylether		0.47	9.8	
218-01-9	Chrysene		0.39	4.9	
53-70-3	Dibenz(a,h)anthracene		0.68	4.9	
132-64-9	Dibenzofuran		0.48	4.9	
84-74-2	Di-n-butylphthalate		0.45	9.8	
95-50-1	1,2-Dichlorobenzene		0.65	4.9	
541-73-1	1,3-Dichlorobenzene		0.66	4.9	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13	File ID:	D22S104037.D
Sampled:	04/05/22 12:15	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 22:37
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1020 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.65	4.9	
91-94-1	3,3-Dichlorobenzidine		0.70	9.8	
120-83-2	2,4-Dichlorophenol		0.47	9.8	
84-66-2	Diethylphthalate		0.41	9.8	
105-67-9	2,4-Dimethylphenol		0.69	9.8	
131-11-3	Dimethylphthalate		0.37	9.8	
534-52-1	4,6-Dinitro-2-methylphenol		6.9	9.8	
51-28-5	2,4-Dinitrophenol		7.9	9.8	
121-14-2	2,4-Dinitrotoluene		0.60	9.8	
606-20-2	2,6-Dinitrotoluene		0.51	9.8	
117-84-0	Di-n-octylphthalate		3.9	9.8	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.56	9.8	
206-44-0	Fluoranthene		0.42	4.9	
86-73-7	Fluorene		0.51	4.9	
118-74-1	Hexachlorobenzene		0.50	9.8	
87-68-3	Hexachlorobutadiene		0.76	9.8	
77-47-4	Hexachlorocyclopentadiene		3.6	9.8	
67-72-1	Hexachloroethane		0.73	9.8	
193-39-5	Indeno(1,2,3-cd)pyrene		0.73	4.9	
78-59-1	Isophorone		0.54	9.8	
90-12-0	1-Methylnaphthalene		0.59	4.9	
91-57-6	2-Methylnaphthalene		0.68	4.9	
95-48-7	2-Methylphenol		0.47	9.8	
108-39-4/106-4	3/4-Methylphenol		0.45	9.8	
91-20-3	Naphthalene		0.60	4.9	
88-74-4	2-Nitroaniline		0.68	9.8	
99-09-2	3-Nitroaniline		0.58	9.8	
100-01-6	4-Nitroaniline		0.59	9.8	
98-95-3	Nitrobenzene		0.61	9.8	
88-75-5	2-Nitrophenol		0.50	9.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13	File ID:	D22S104037.D
Sampled:	04/05/22 12:15	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 22:37
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1020 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	9.8	
62-75-9	N-Nitrosodimethylamine		0.77	9.8	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.8	
621-64-7	N-Nitrosodi-n-propylamine		0.60	9.8	
82-68-8	Pentachloronitrobenzene		0.61	9.8	
87-86-5	Pentachlorophenol		3.4	9.8	
85-01-8	Phenanthrene		0.47	4.9	
108-95-2	Phenol		0.22	9.8	
129-00-0	Pyrene		0.60	4.9	
110-86-1	Pyridine		2.4	4.9	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.64	9.8	
120-82-1	1,2,4-Trichlorobenzene		0.66	4.9	
95-95-4	2,4,5-Trichlorophenol		0.50	9.8	
88-06-2	2,4,6-Trichlorophenol		0.44	9.8	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104037.D
Acq On : 14 Apr 2022 10:37 pm
Operator : BGL
Sample : 22D0541-13 Inst : GCMSSV4
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Apr 15 08:13:27 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	120660	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	458738	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	245252	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	419566	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	253160	40.00	ug/ml	0.00
80) PERYLENE-D12	11.028	264	213271	40.00	ug/ml	0.02
System Monitoring Compounds						
2) 2-Fluorophenol	2.667	112	263833	70.37	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 35.19%			
3) Phenol-d6	3.118	99	302407	49.91	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 24.95%#			
20) Nitrobenzene-d5	3.638	82	297410	60.24	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 60.24%			
36) 2-Fluorobiphenyl	4.707	172	511981	63.38	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.38%			
37) 2,4,6-Tribromophenol	5.623	330	156035	145.32	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 72.66%			
72) Terphenyl-d14	7.256	244	613121	84.07	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 84.07%			
Target Compounds						Qvalue

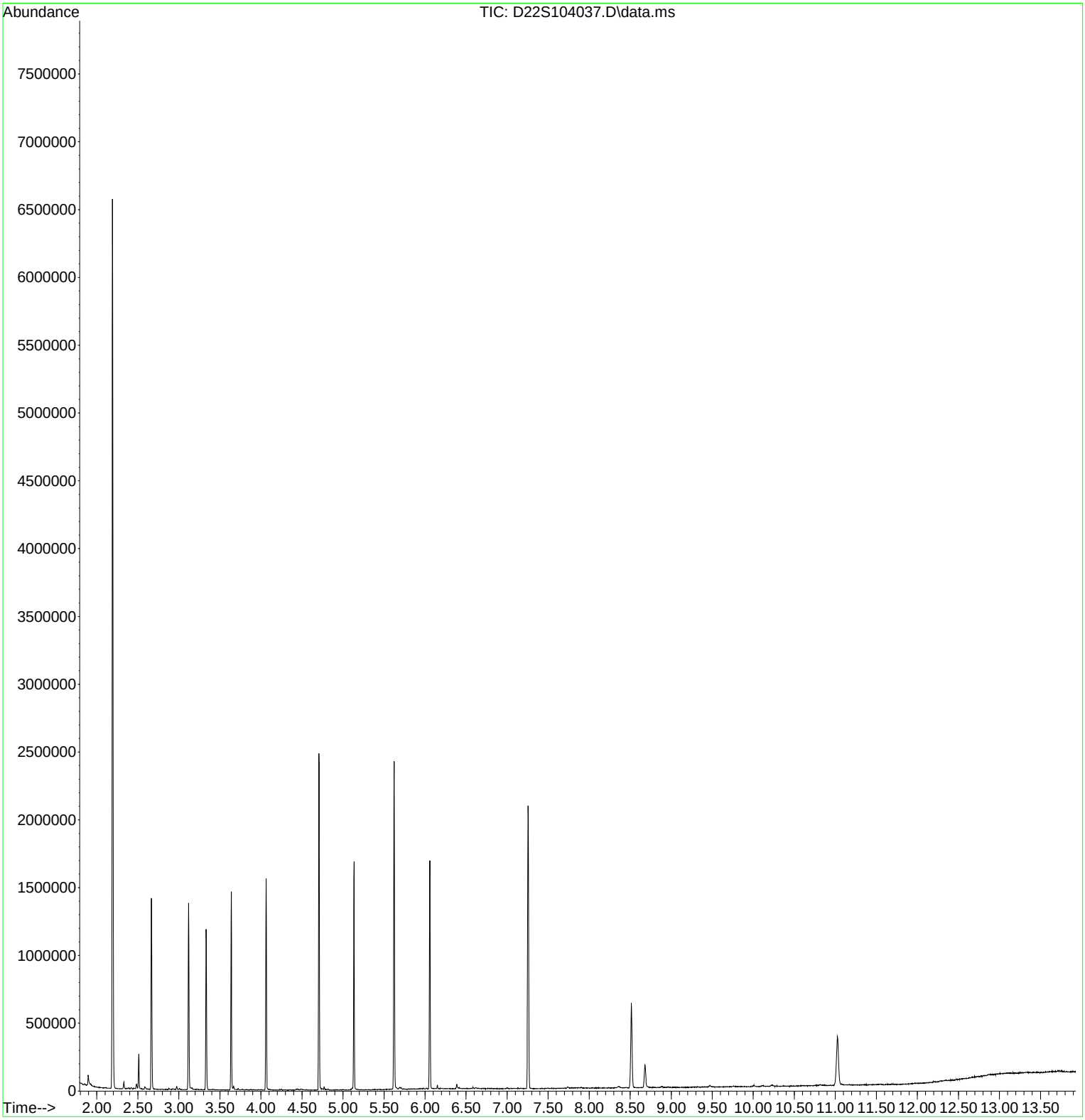
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104037.D
Acq On : 14 Apr 2022 10:37 pm
Operator : BGL
Sample : 22D0541-13 Inst : GCMSSV4
Misc :
ALS Vial : 37 Sample Multiplier: 1

627

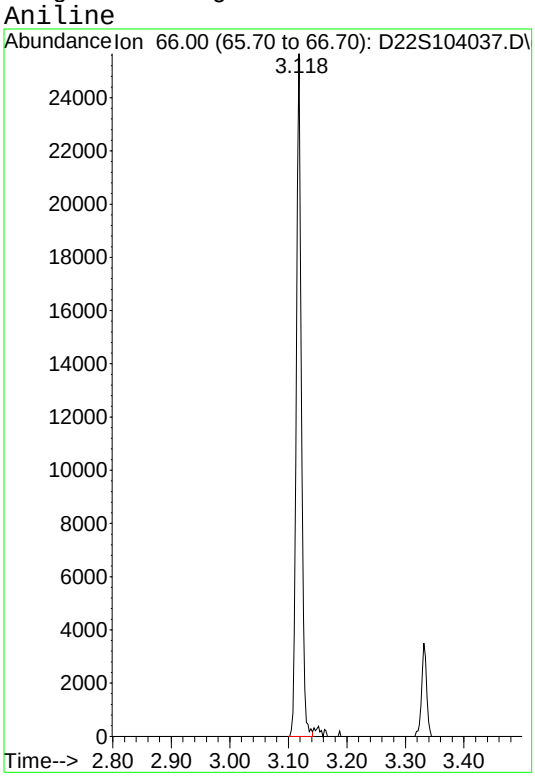
Quant Time: Apr 15 08:13:27 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104037.D
Acq On : 14 Apr 2022 10:37 pm
Operator : BGL
Sample : 22D0541-13
Misc :

Quant Time : Fri Apr 15 08:13:27 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

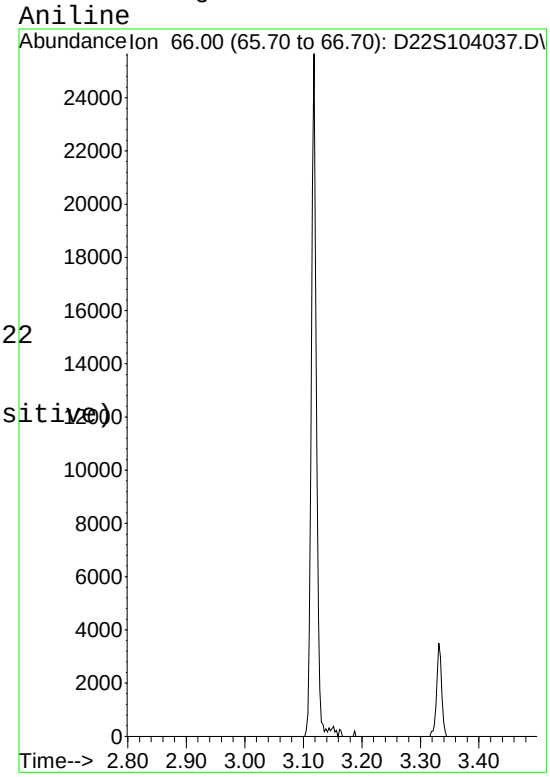
RT : 3.12
Area : 15207
Amount: 6.07712

Manual Int. Results

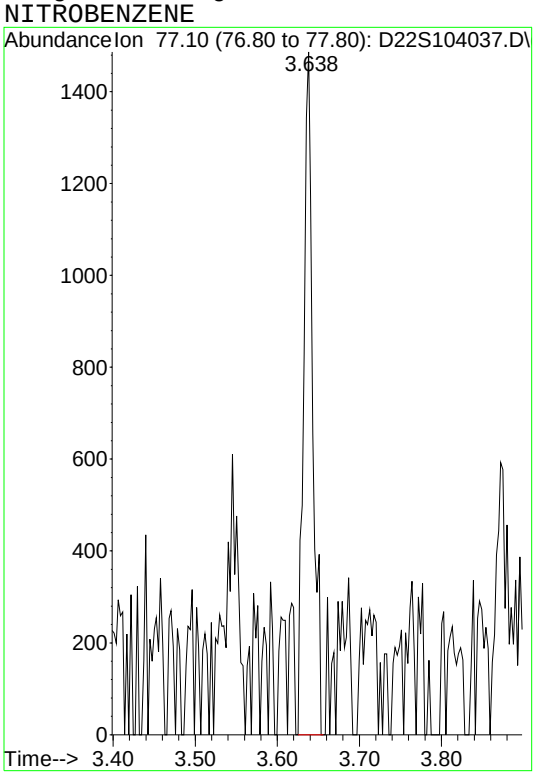
Fri Apr 15 08:13:18 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

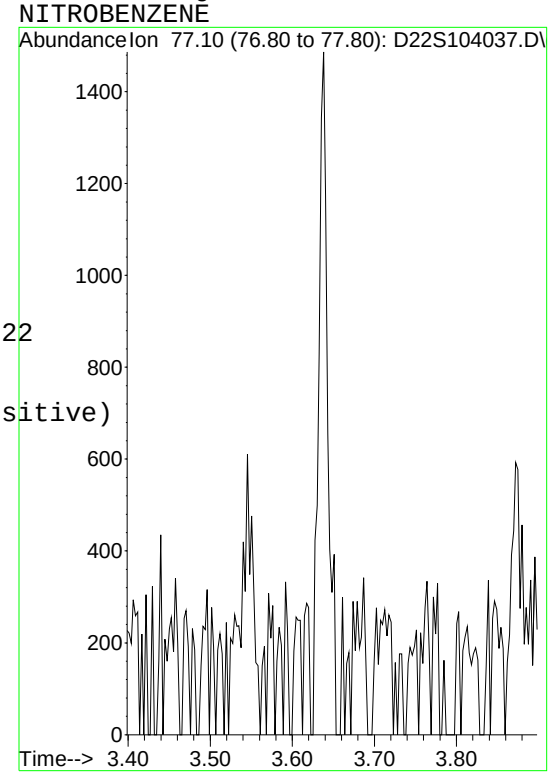
RT : 3.64
Area : 1161
Amount: 0.2197

Manual Int. Results

Fri Apr 15 08:13:22 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

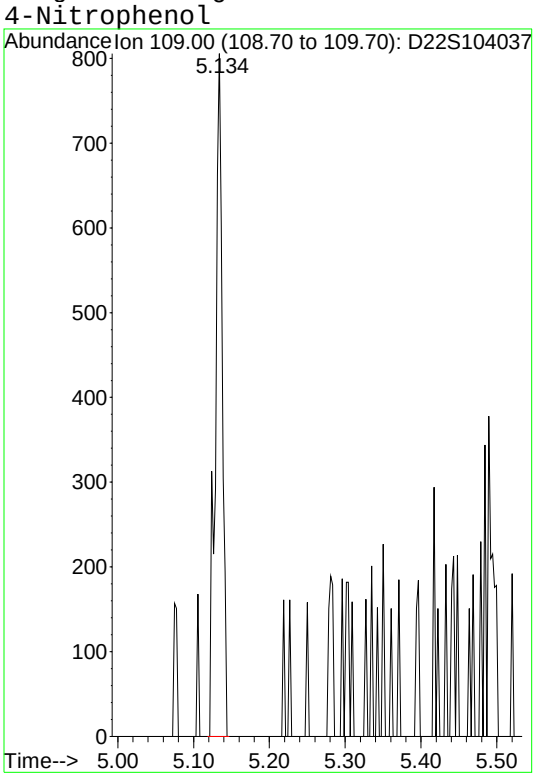
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104037.D
Acq On : 14 Apr 2022 10:37 pm
Operator : BGL
Sample : 22D0541-13
Misc :

Quant Time : Fri Apr 15 08:13:27 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

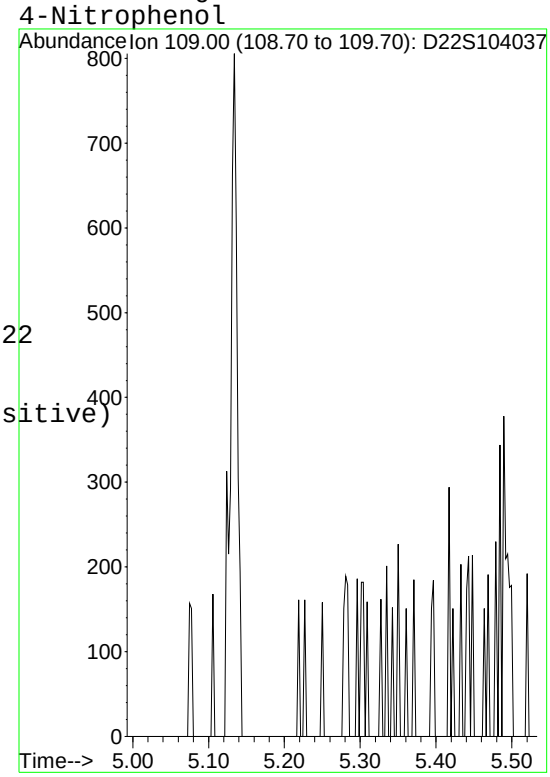
RT : 5.13
Area : 524
Amount: 0.346893

Manual Int. Results

Fri Apr 15 08:13:27 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14	File ID:	D22S108015.D
Sampled:	04/06/22 10:15	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:00
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.8	
208-96-8	Acenaphthylene		0.47	4.8	
98-86-2	Acetophenone		0.51	9.6	
62-53-3	Aniline		0.67	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		10	19	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.55	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.59	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.1	9.6	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.6	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.6	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.6	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.81	9.6	
101-55-3	4-Bromophenylphenylether		0.45	9.6	
85-68-7	Butylbenzylphthalate		0.65	9.6	
86-74-8	Carbazole		0.41	9.6	
106-47-8	4-Chloroaniline		0.55	9.6	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.6	
91-58-7	2-Chloronaphthalene		0.47	9.6	
95-57-8	2-Chlorophenol		0.46	9.6	
7005-72-3	4-Chlorophenylphenylether		0.46	9.6	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.47	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.6	
95-50-1	1,2-Dichlorobenzene		0.64	4.8	
541-73-1	1,3-Dichlorobenzene		0.65	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14	File ID:	D22S108015.D
Sampled:	04/06/22 10:15	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:00
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.6	
120-83-2	2,4-Dichlorophenol		0.46	9.6	
84-66-2	Diethylphthalate		0.40	9.6	
105-67-9	2,4-Dimethylphenol		0.67	9.6	
131-11-3	Dimethylphthalate		0.36	9.6	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.6	
51-28-5	2,4-Dinitrophenol		7.8	9.6	
121-14-2	2,4-Dinitrotoluene		0.59	9.6	
606-20-2	2,6-Dinitrotoluene		0.50	9.6	
117-84-0	Di-n-octylphthalate		3.8	9.6	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.6	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.49	9.6	
87-68-3	Hexachlorobutadiene		0.74	9.6	
77-47-4	Hexachlorocyclopentadiene		3.5	9.6	
67-72-1	Hexachloroethane		0.71	9.6	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.6	
90-12-0	1-Methylnaphthalene		0.58	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.46	9.6	
108-39-4/106-4	3/4-Methylphenol		0.44	9.6	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.67	9.6	
99-09-2	3-Nitroaniline		0.56	9.6	
100-01-6	4-Nitroaniline		0.58	9.6	
98-95-3	Nitrobenzene		0.60	9.6	
88-75-5	2-Nitrophenol		0.49	9.6	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14	File ID:	D22S108015.D
Sampled:	04/06/22 10:15	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:00
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1040 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.6	
62-75-9	N-Nitrosodimethylamine		0.75	9.6	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.6	
621-64-7	N-Nitrosodi-n-propylamine		0.59	9.6	
82-68-8	Pentachloronitrobenzene		0.60	9.6	
87-86-5	Pentachlorophenol		3.4	9.6	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.6	
129-00-0	Pyrene		0.59	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.6	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.6	
88-06-2	2,4,6-Trichlorophenol		0.43	9.6	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108015.D
Acq On : 18 Apr 2022 4:00 pm
Operator : BGL
Sample : 22D0541-14 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

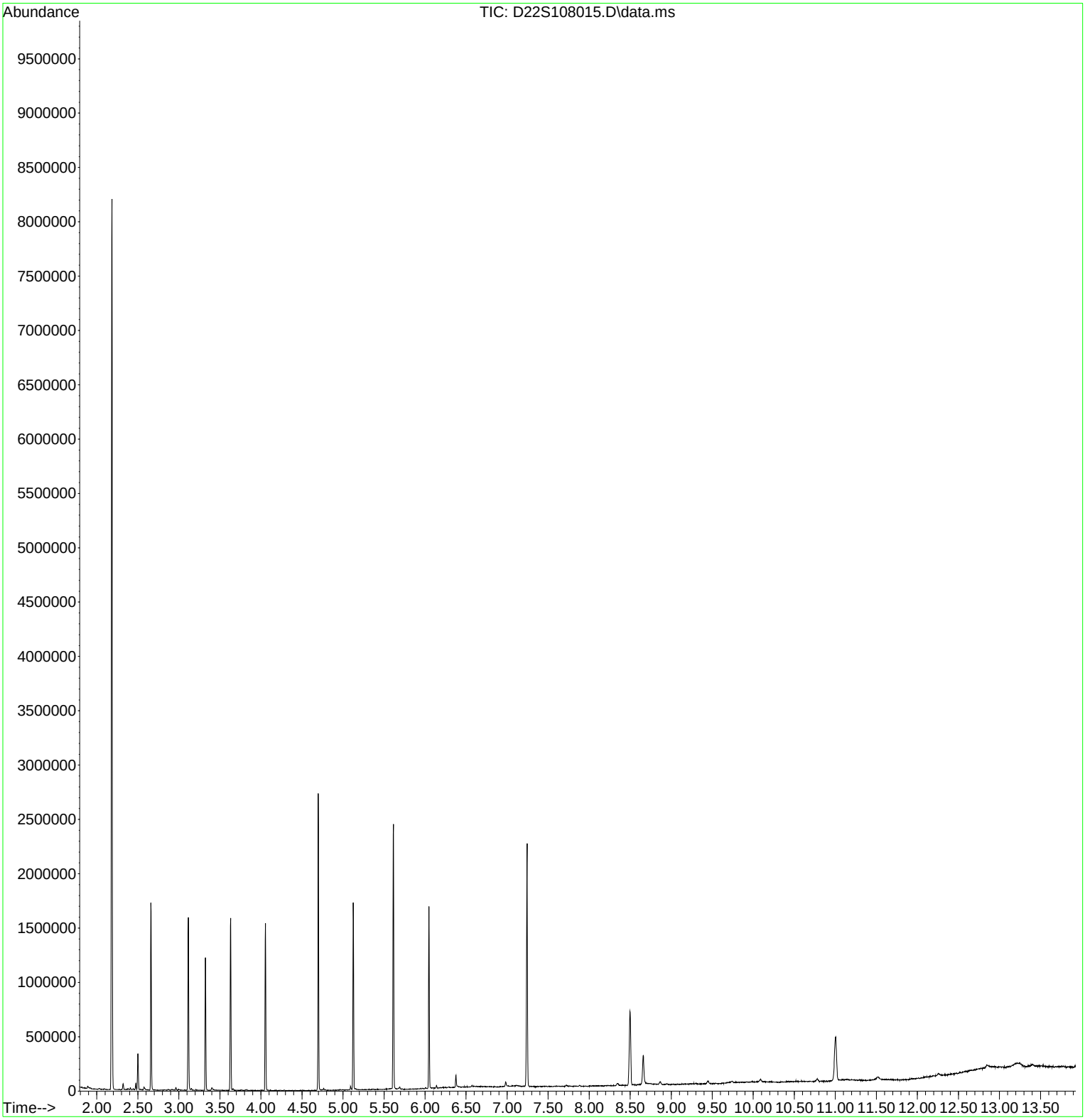
Quant Time: Apr 19 09:16:31 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

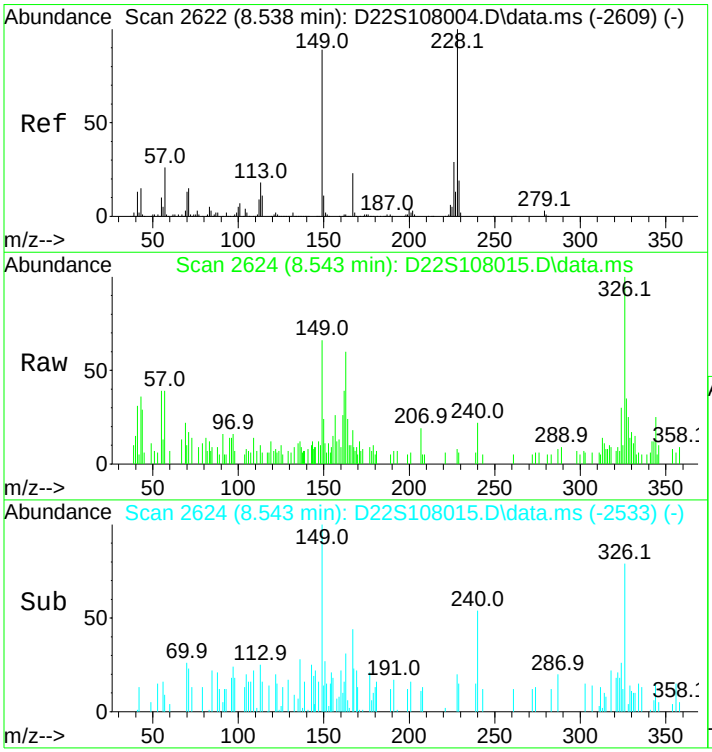
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	122783	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.055	136	464637	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.124	164	239945	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.048	188	407662	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.497	240	280223	40.00	ug/ml	-0.01
80) PERYLENE-D12	11.002	264	230149	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	304381	79.78	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 39.89%			
3) Phenol-d6	3.116	99	342878	55.61	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 27.81%#			
20) Nitrobenzene-d5	3.630	82	325718	65.13	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 65.13%			
36) 2-Fluorobiphenyl	4.699	172	554131	70.11	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 70.11%			
37) 2,4,6-Tribromophenol	5.616	330	163306	155.46	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 77.73%			
72) Terphenyl-d14	7.243	244	633999	78.54	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.54%			
Target Compounds						Qvalue
79) Bis(2-ethylhexyl)phtha...	8.543	149	1843	0.21	ug/ml#	71

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108015.D
Acq On : 18 Apr 2022 4:00 pm
Operator : BGL
Sample : 22D0541-14 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 19 09:16:31 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

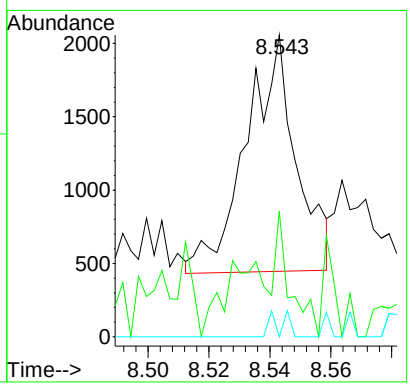




#79
Bis(2-ethylhexyl)phthalate
Concen: 0.21 ug/ml
RT: 8.543 min Scan# 2624
Delta R.T. -0.015 min
Lab File: D22S108015.D
Acq: 18 Apr 2022 4:00 pm

Tgt Ion:149 Resp: 1843

Ion	Ratio	Lower	Upper
149	100		
167	10.0	6.0	46.0
279	0.0	0.0	23.0

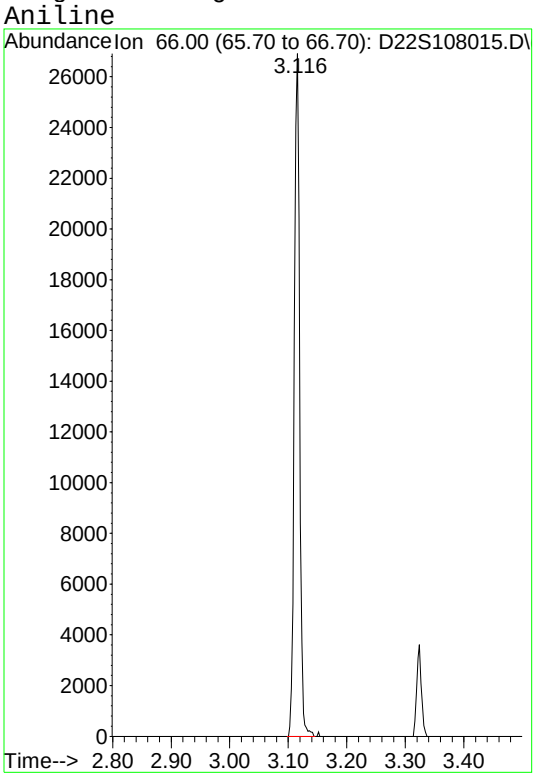


635

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108015.D
Acq On : 18 Apr 2022 4:00 pm
Operator : BGL
Sample : 22D0541-14
Misc :

Quant Time : Tue Apr 19 09:16:31 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

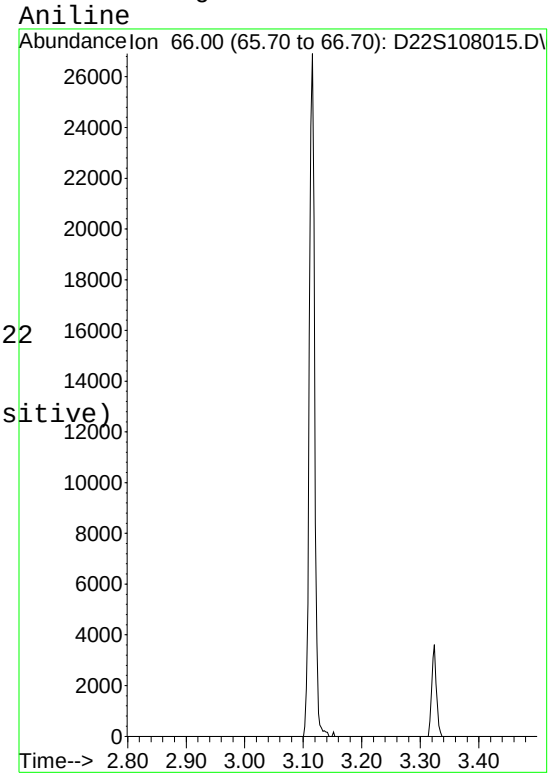
RT : 3.12
Area : 16868
Amount: 6.62434

Manual Int. Results

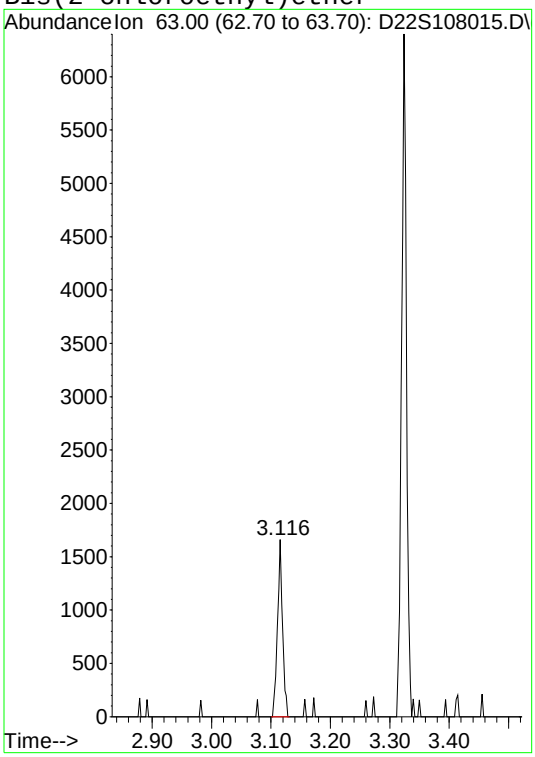
Tue Apr 19 09:16:26 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

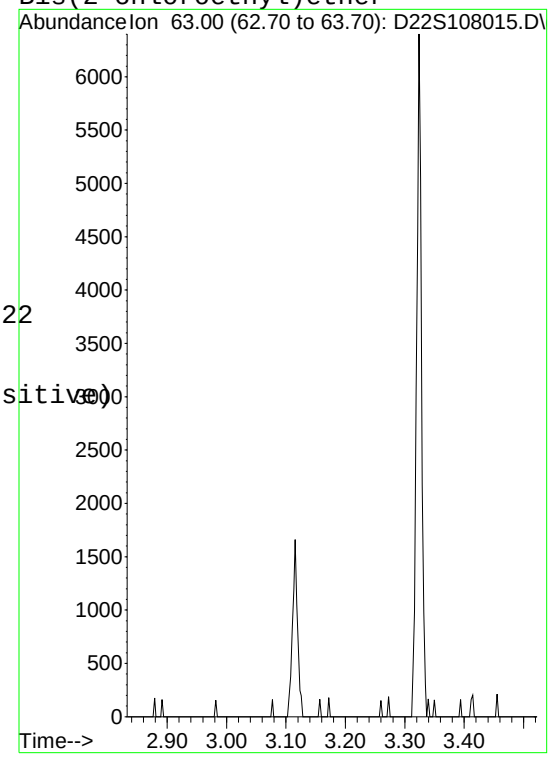
RT : 3.12
Area : 988
Amount: 0.200719

Manual Int. Results

Tue Apr 19 09:16:28 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

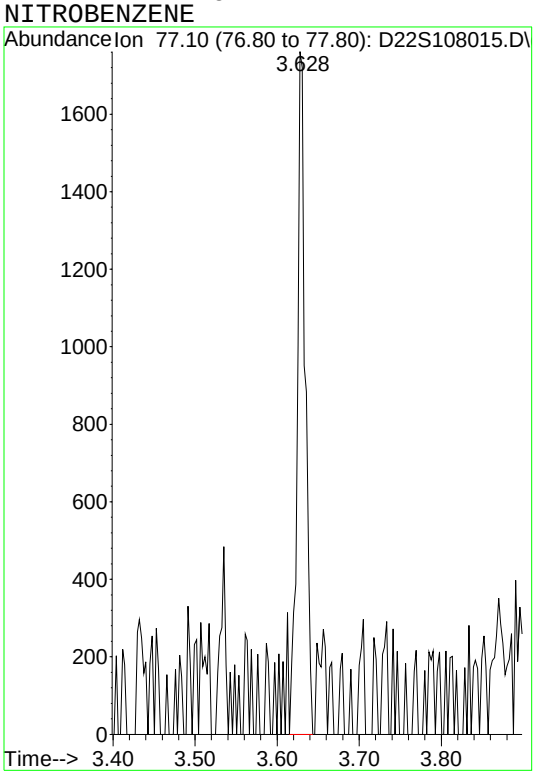
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108015.D
Acq On : 18 Apr 2022 4:00 pm
Operator : BGL
Sample : 22D0541-14
Misc :

Quant Time : Tue Apr 19 09:16:31 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
NITROBENZENE



Original Int. Results

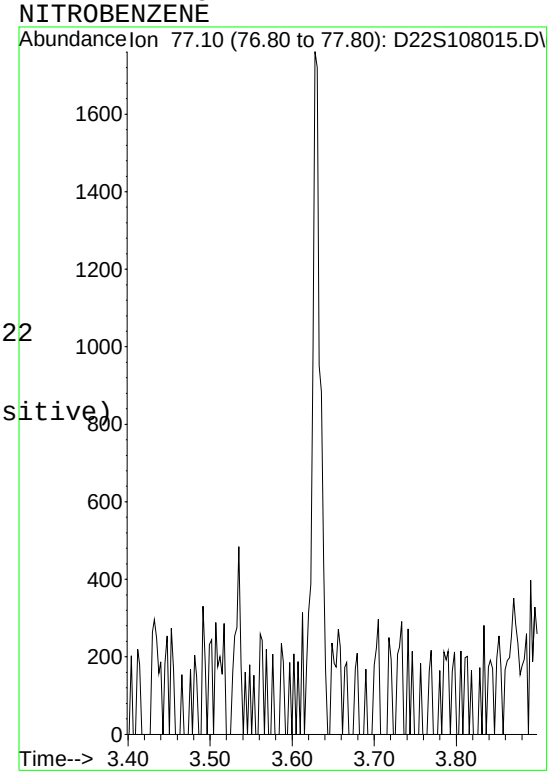
RT : 3.63
Area : 1208
Amount: 0.225692

Manual Int. Results

Tue Apr 19 09:16:30 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
NITROBENZENE



1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15	File ID:	D22S108016.D
Sampled:	04/06/22 11:48	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:25
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.52	5.0	
208-96-8	Acenaphthylene		0.48	5.0	
98-86-2	Acetophenone		0.53	10	
62-53-3	Aniline		0.70	5.0	V-05
120-12-7	Anthracene		0.46	5.0	
92-87-5	Benzidine		10	20	V-05, V-35, V-04
56-55-3	Benzo(a)anthracene		0.41	5.0	
50-32-8	Benzo(a)pyrene		0.57	5.0	
205-99-2	Benzo(b)fluoranthene		0.47	5.0	
191-24-2	Benzo(g,h,i)perylene		0.61	5.0	
207-08-9	Benzo(k)fluoranthene		0.49	5.0	
65-85-0	Benzoic Acid		8.4	10	MS-09
111-91-1	Bis(2-chloroethoxy)methane		0.46	10	
111-44-4	Bis(2-chloroethyl)ether		0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether		0.69	10	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.84	10	
101-55-3	4-Bromophenylphenylether		0.47	10	
85-68-7	Butylbenzylphthalate		0.67	10	
86-74-8	Carbazole		0.43	10	
106-47-8	4-Chloroaniline		0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol		0.56	10	
91-58-7	2-Chloronaphthalene		0.49	10	
95-57-8	2-Chlorophenol		0.47	10	
7005-72-3	4-Chlorophenylphenylether		0.48	10	
218-01-9	Chrysene		0.40	5.0	
53-70-3	Dibenz(a,h)anthracene		0.69	5.0	
132-64-9	Dibenzofuran		0.49	5.0	
84-74-2	Di-n-butylphthalate		0.46	10	
95-50-1	1,2-Dichlorobenzene		0.67	5.0	
541-73-1	1,3-Dichlorobenzene		0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15	File ID:	D22S108016.D
Sampled:	04/06/22 11:48	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:25
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.67	5.0	
91-94-1	3,3-Dichlorobenzidine		0.71	10	
120-83-2	2,4-Dichlorophenol		0.48	10	
84-66-2	Diethylphthalate		0.42	10	
105-67-9	2,4-Dimethylphenol		0.70	10	
131-11-3	Dimethylphthalate		0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol		7.0	10	
51-28-5	2,4-Dinitrophenol		8.1	10	
121-14-2	2,4-Dinitrotoluene		0.61	10	
606-20-2	2,6-Dinitrotoluene		0.52	10	
117-84-0	Di-n-octylphthalate		3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.57	10	
206-44-0	Fluoranthene		0.43	5.0	
86-73-7	Fluorene		0.52	5.0	
118-74-1	Hexachlorobenzene		0.51	10	
87-68-3	Hexachlorobutadiene		0.77	10	
77-47-4	Hexachlorocyclopentadiene		3.7	10	
67-72-1	Hexachloroethane		0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene		0.74	5.0	
78-59-1	Isophorone		0.55	10	
90-12-0	1-Methylnaphthalene		0.60	5.0	
91-57-6	2-Methylnaphthalene		0.69	5.0	
95-48-7	2-Methylphenol		0.47	10	
108-39-4/106-4	3/4-Methylphenol		0.46	10	
91-20-3	Naphthalene		0.61	5.0	
88-74-4	2-Nitroaniline		0.69	10	
99-09-2	3-Nitroaniline		0.59	10	
100-01-6	4-Nitroaniline		0.60	10	
98-95-3	Nitrobenzene		0.63	10	
88-75-5	2-Nitrophenol		0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15	File ID:	D22S108016.D
Sampled:	04/06/22 11:48	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:25
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	10	
62-75-9	N-Nitrosodimethylamine		0.78	10	MS-09
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.38	10	
621-64-7	N-Nitrosodi-n-propylamine		0.61	10	
82-68-8	Pentachloronitrobenzene		0.62	10	
87-86-5	Pentachlorophenol		3.5	10	
85-01-8	Phenanthrene		0.48	5.0	
108-95-2	Phenol		0.23	10	MS-09
129-00-0	Pyrene		0.61	5.0	
110-86-1	Pyridine		2.5	5.0	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene		0.65	10	
120-82-1	1,2,4-Trichlorobenzene		0.67	5.0	
95-95-4	2,4,5-Trichlorophenol		0.51	10	
88-06-2	2,4,6-Trichlorophenol		0.45	10	

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108016.D
Acq On : 18 Apr 2022 4:25 pm
Operator : BGL
Sample : 22D0541-15 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 19 09:17:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

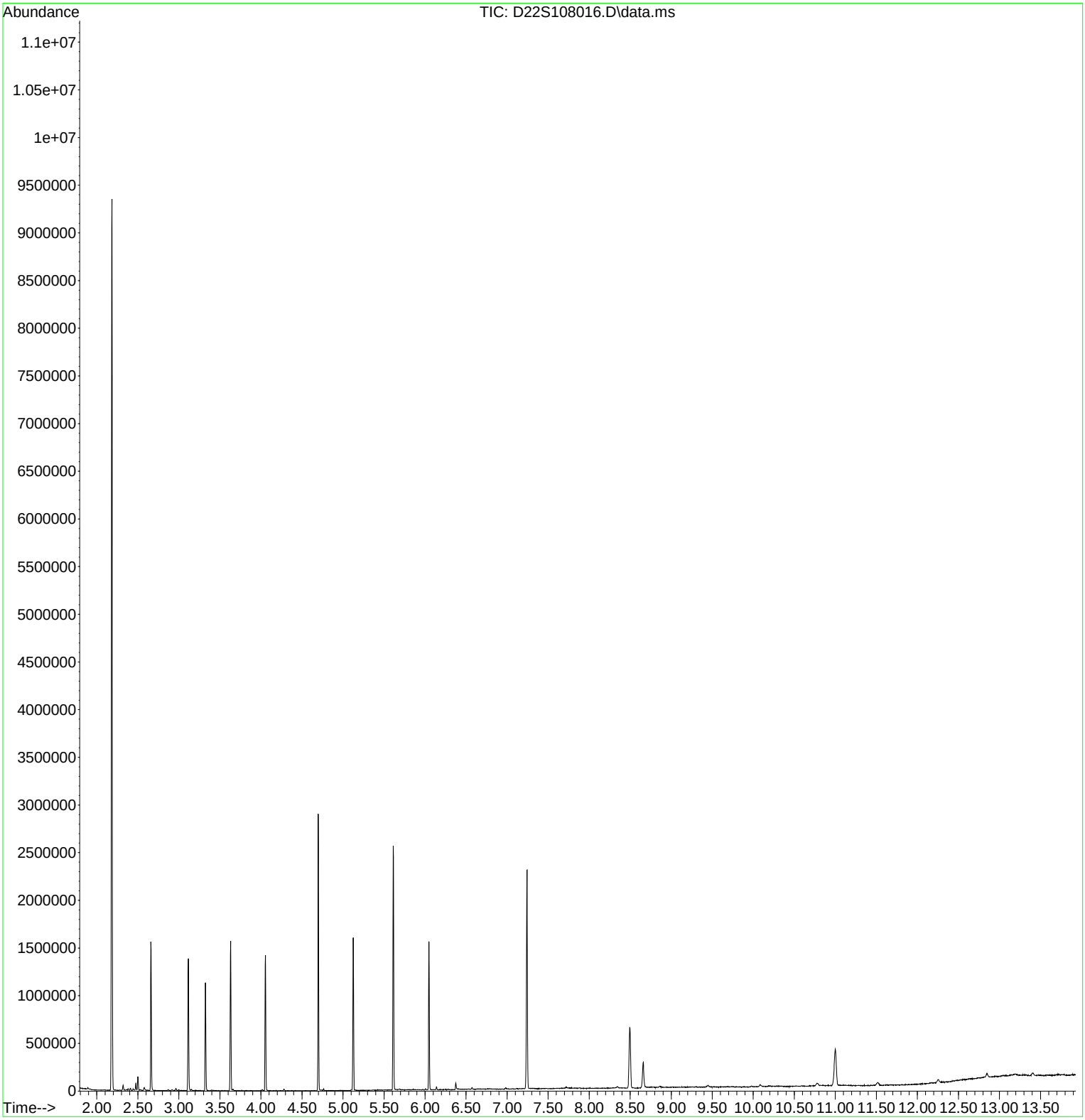
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	113120	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.055	136	428707	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.124	164	227366	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.048	188	387160	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.494	240	268056	40.00	ug/ml	-0.02
80) PERYLENE-D12	10.999	264	219894	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	275163	78.29	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 39.15%			
3) Phenol-d6	3.115	99	301875	53.14	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 26.57%#			
20) Nitrobenzene-d5	3.630	82	320265	69.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.41%			
36) 2-Fluorobiphenyl	4.699	172	575856	76.89	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.89%			
37) 2,4,6-Tribromophenol	5.616	330	171840	172.64	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 86.32%			
72) Terphenyl-d14	7.243	244	685069	88.72	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 88.72%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108016.D
Acq On : 18 Apr 2022 4:25 pm
Operator : BGL
Sample : 22D0541-15 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

642

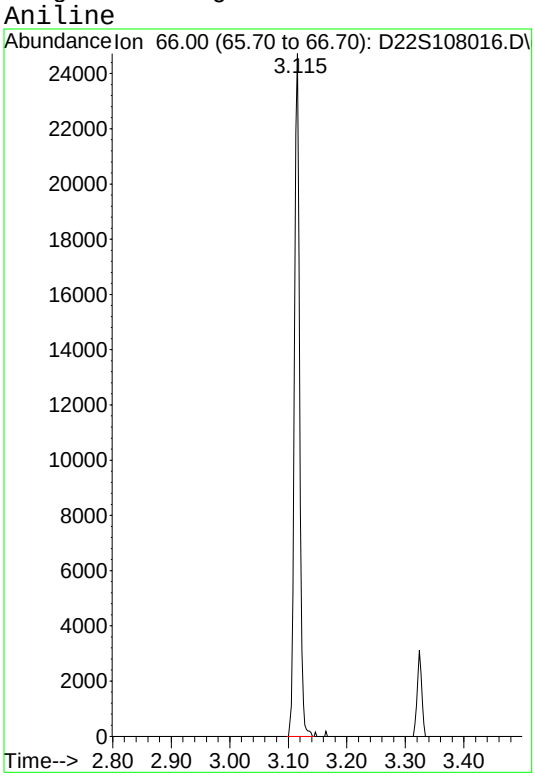
Quant Time: Apr 19 09:17:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108016.D
Acq On : 18 Apr 2022 4:25 pm
Operator : BGL
Sample : 22D0541-15
Misc :

Quant Time : Tue Apr 19 09:17:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

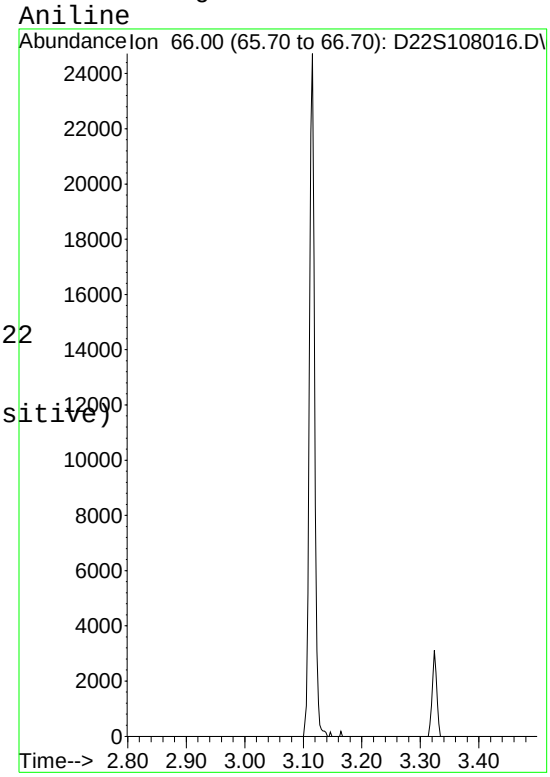
RT : 3.12
Area : 15044
Amount: 6.41271

Manual Int. Results

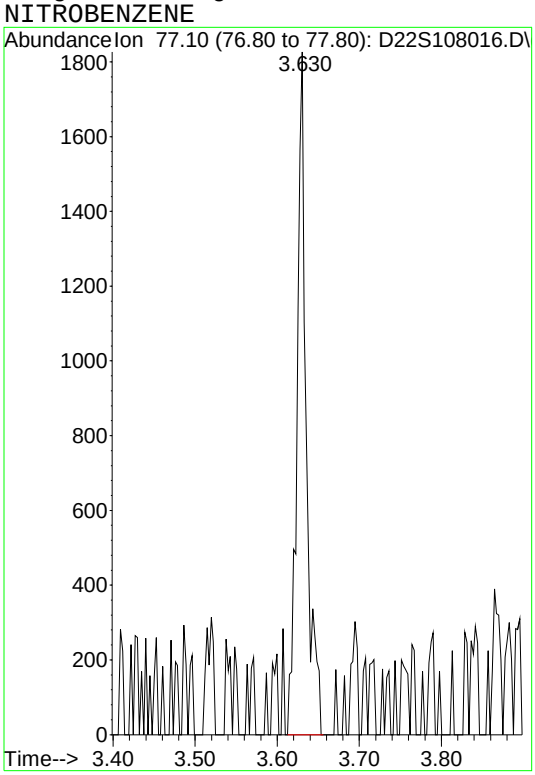
Tue Apr 19 09:16:59 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

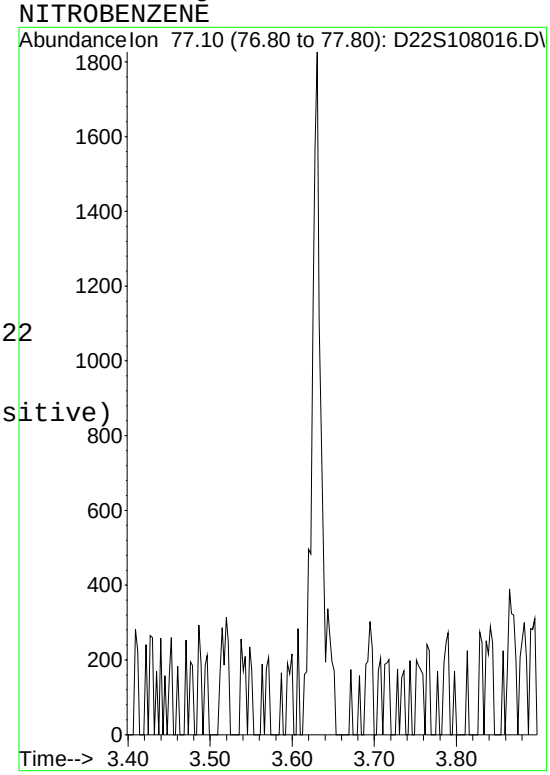
RT : 3.63
Area : 1447
Amount: 0.293002

Manual Int. Results

Tue Apr 19 09:17:02 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

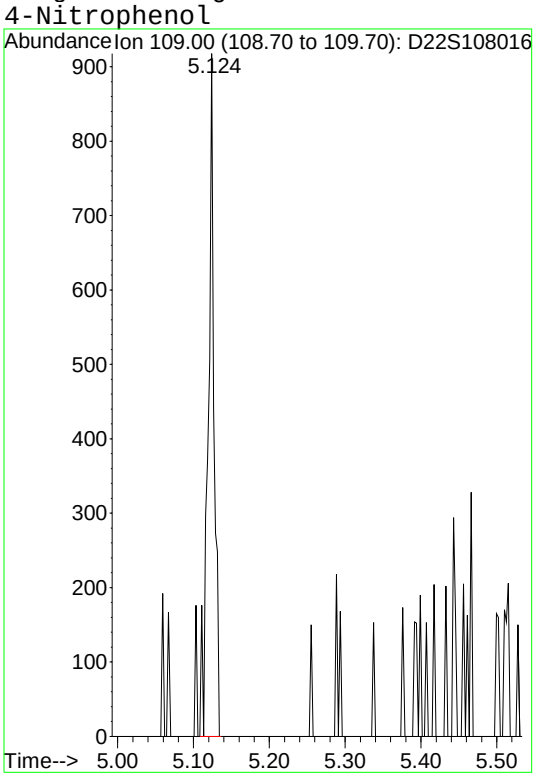
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108016.D
Acq On : 18 Apr 2022 4:25 pm
Operator : BGL
Sample : 22D0541-15
Misc :

Quant Time : Tue Apr 19 09:17:07 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

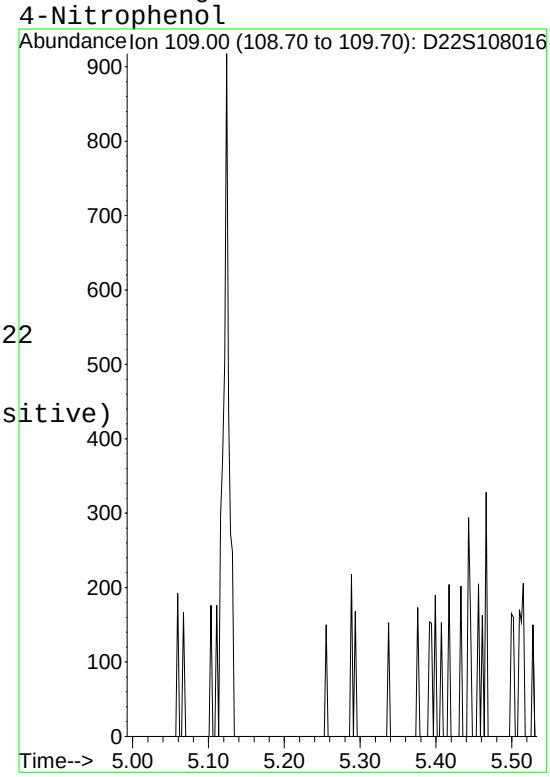
RT : 5.12
Area : 498
Amount: 0.355616

Manual Int. Results

Tue Apr 19 09:17:06 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16	File ID:	D22S104038.D
Sampled:	04/05/22 17:50	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 23:02
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.52	5.0	
208-96-8	Acenaphthylene		0.48	5.0	
98-86-2	Acetophenone		0.53	10	
62-53-3	Aniline		0.70	5.0	V-05
120-12-7	Anthracene		0.46	5.0	
92-87-5	Benzidine		10	20	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.41	5.0	
50-32-8	Benzo(a)pyrene		0.57	5.0	
205-99-2	Benzo(b)fluoranthene		0.47	5.0	
191-24-2	Benzo(g,h,i)perylene		0.61	5.0	
207-08-9	Benzo(k)fluoranthene		0.49	5.0	
65-85-0	Benzoic Acid		8.4	10	
111-91-1	Bis(2-chloroethoxy)methane		0.46	10	
111-44-4	Bis(2-chloroethyl)ether		0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether		0.69	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.84	10	
101-55-3	4-Bromophenylphenylether		0.47	10	
85-68-7	Butylbenzylphthalate		0.67	10	
86-74-8	Carbazole		0.43	10	
106-47-8	4-Chloroaniline		0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol		0.56	10	
91-58-7	2-Chloronaphthalene		0.49	10	
95-57-8	2-Chlorophenol		0.47	10	
7005-72-3	4-Chlorophenylphenylether		0.48	10	
218-01-9	Chrysene		0.40	5.0	
53-70-3	Dibenz(a,h)anthracene		0.69	5.0	
132-64-9	Dibenzofuran		0.49	5.0	
84-74-2	Di-n-butylphthalate		0.46	10	
95-50-1	1,2-Dichlorobenzene		0.67	5.0	
541-73-1	1,3-Dichlorobenzene		0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16	File ID:	D22S104038.D
Sampled:	04/05/22 17:50	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 23:02
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.67	5.0	
91-94-1	3,3-Dichlorobenzidine		0.71	10	
120-83-2	2,4-Dichlorophenol		0.48	10	
84-66-2	Diethylphthalate		0.42	10	
105-67-9	2,4-Dimethylphenol		0.70	10	
131-11-3	Dimethylphthalate		0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol		7.0	10	
51-28-5	2,4-Dinitrophenol		8.1	10	
121-14-2	2,4-Dinitrotoluene		0.61	10	
606-20-2	2,6-Dinitrotoluene		0.52	10	
117-84-0	Di-n-octylphthalate		3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.57	10	
206-44-0	Fluoranthene		0.43	5.0	
86-73-7	Fluorene		0.52	5.0	
118-74-1	Hexachlorobenzene		0.51	10	
87-68-3	Hexachlorobutadiene		0.77	10	
77-47-4	Hexachlorocyclopentadiene		3.7	10	
67-72-1	Hexachloroethane		0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene		0.74	5.0	
78-59-1	Isophorone		0.55	10	
90-12-0	1-Methylnaphthalene		0.60	5.0	
91-57-6	2-Methylnaphthalene		0.69	5.0	
95-48-7	2-Methylphenol		0.47	10	
108-39-4/106-4	3/4-Methylphenol		0.46	10	
91-20-3	Naphthalene		0.61	5.0	
88-74-4	2-Nitroaniline		0.69	10	
99-09-2	3-Nitroaniline		0.59	10	
100-01-6	4-Nitroaniline		0.60	10	
98-95-3	Nitrobenzene		0.63	10	
88-75-5	2-Nitrophenol		0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16	File ID:	D22S104038.D
Sampled:	04/05/22 17:50	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 23:02
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1000 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	10	
62-75-9	N-Nitrosodimethylamine		0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.38	10	
621-64-7	N-Nitrosodi-n-propylamine		0.61	10	
82-68-8	Pentachloronitrobenzene		0.62	10	
87-86-5	Pentachlorophenol		3.5	10	
85-01-8	Phenanthrene		0.48	5.0	
108-95-2	Phenol		0.23	10	
129-00-0	Pyrene		0.61	5.0	
110-86-1	Pyridine		2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.65	10	
120-82-1	1,2,4-Trichlorobenzene		0.67	5.0	
95-95-4	2,4,5-Trichlorophenol		0.51	10	
88-06-2	2,4,6-Trichlorophenol		0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104038.D
Acq On : 14 Apr 2022 11:02 pm
Operator : BGL
Sample : 22D0541-16 Inst : GCMSSV4
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Apr 15 08:15:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

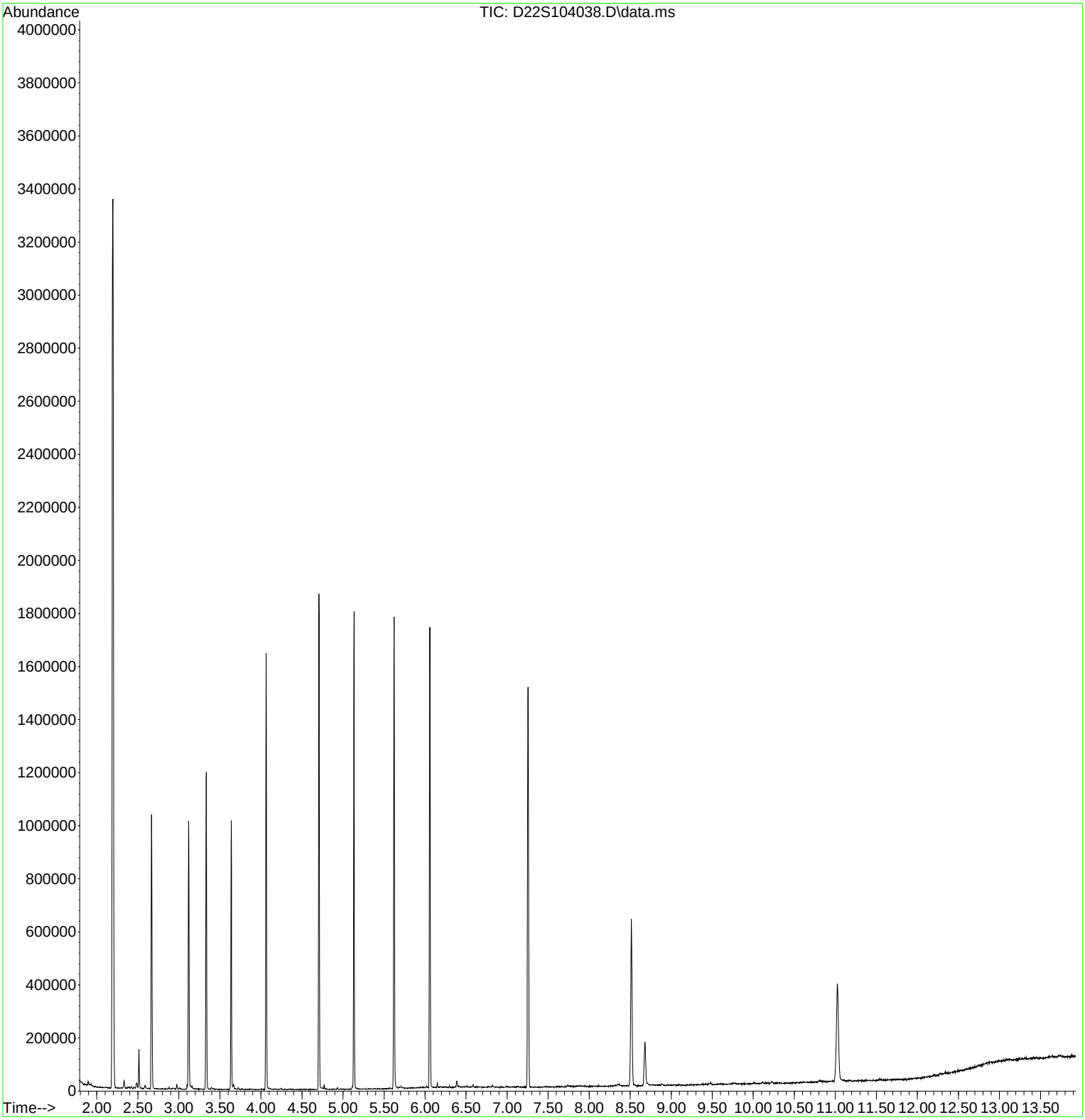
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.334	152	125325	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	479253	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	252119	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	440221	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	252821	40.00	ug/ml	0.00
80) PERYLENE-D12	11.023	264	220800	40.00	ug/ml	0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.667	112	194849	50.04	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 25.02%#			
3) Phenol-d6	3.118	99	227935	36.22	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 18.11%#			
20) Nitrobenzene-d5	3.638	82	213631	41.42	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 41.42%			
36) 2-Fluorobiphenyl	4.707	172	381243	45.91	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 45.91%			
37) 2,4,6-Tribromophenol	5.623	330	112804	102.20	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.10%			
72) Terphenyl-d14	7.256	244	447410	61.43	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 61.43%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104038.D
Acq On : 14 Apr 2022 11:02 pm
Operator : BGL
Sample : 22D0541-16 Inst : GCMSSV4
Misc :
ALS Vial : 38 Sample Multiplier: 1

649

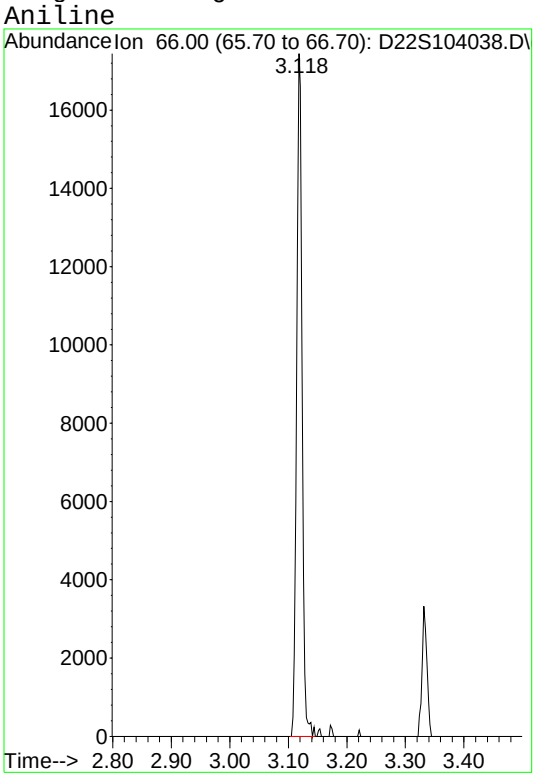
Quant Time: Apr 15 08:15:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104038.D
Acq On : 14 Apr 2022 11:02 pm
Operator : BGL
Sample : 22D0541-16
Misc :

Quant Time : Fri Apr 15 08:15:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

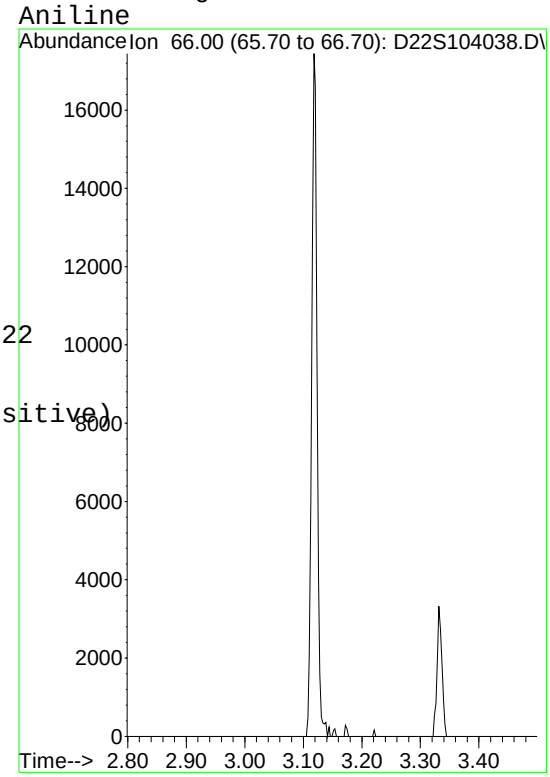
RT : 3.12
Area : 11192
Amount: 4.30613

Manual Int. Results

Fri Apr 15 08:15:42 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17	File ID:	D22S104039.D
Sampled:	04/05/22 17:50	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 23:27
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.50	4.9	
208-96-8	Acenaphthylene		0.47	4.9	
98-86-2	Acetophenone		0.52	9.7	
62-53-3	Aniline		0.68	4.9	V-05
120-12-7	Anthracene		0.45	4.9	
92-87-5	Benzidine		10	19	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.40	4.9	
50-32-8	Benzo(a)pyrene		0.55	4.9	
205-99-2	Benzo(b)fluoranthene		0.46	4.9	
191-24-2	Benzo(g,h,i)perylene		0.59	4.9	
207-08-9	Benzo(k)fluoranthene		0.47	4.9	
65-85-0	Benzoic Acid		8.2	9.7	
111-91-1	Bis(2-chloroethoxy)methane		0.44	9.7	
111-44-4	Bis(2-chloroethyl)ether		0.55	9.7	
108-60-1	Bis(2-chloroisopropyl)ether		0.67	9.7	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.82	9.7	
101-55-3	4-Bromophenylphenylether		0.46	9.7	
85-68-7	Butylbenzylphthalate		0.65	9.7	
86-74-8	Carbazole		0.41	9.7	
106-47-8	4-Chloroaniline		0.56	9.7	V-34
59-50-7	4-Chloro-3-methylphenol		0.54	9.7	
91-58-7	2-Chloronaphthalene		0.47	9.7	
95-57-8	2-Chlorophenol		0.46	9.7	
7005-72-3	4-Chlorophenylphenylether		0.47	9.7	
218-01-9	Chrysene		0.38	4.9	
53-70-3	Dibenz(a,h)anthracene		0.67	4.9	
132-64-9	Dibenzofuran		0.47	4.9	
84-74-2	Di-n-butylphthalate		0.45	9.7	
95-50-1	1,2-Dichlorobenzene		0.65	4.9	
541-73-1	1,3-Dichlorobenzene		0.65	4.9	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17	File ID:	D22S104039.D
Sampled:	04/05/22 17:50	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 23:27
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.65	4.9	
91-94-1	3,3-Dichlorobenzidine		0.69	9.7	
120-83-2	2,4-Dichlorophenol		0.46	9.7	
84-66-2	Diethylphthalate		0.41	9.7	
105-67-9	2,4-Dimethylphenol		0.68	9.7	
131-11-3	Dimethylphthalate		0.37	9.7	
534-52-1	4,6-Dinitro-2-methylphenol		6.8	9.7	
51-28-5	2,4-Dinitrophenol		7.8	9.7	
121-14-2	2,4-Dinitrotoluene		0.60	9.7	
606-20-2	2,6-Dinitrotoluene		0.50	9.7	
117-84-0	Di-n-octylphthalate		3.8	9.7	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.56	9.7	
206-44-0	Fluoranthene		0.42	4.9	
86-73-7	Fluorene		0.50	4.9	
118-74-1	Hexachlorobenzene		0.49	9.7	
87-68-3	Hexachlorobutadiene		0.75	9.7	
77-47-4	Hexachlorocyclopentadiene		3.6	9.7	
67-72-1	Hexachloroethane		0.72	9.7	
193-39-5	Indeno(1,2,3-cd)pyrene		0.72	4.9	
78-59-1	Isophorone		0.54	9.7	
90-12-0	1-Methylnaphthalene		0.58	4.9	
91-57-6	2-Methylnaphthalene		0.67	4.9	
95-48-7	2-Methylphenol		0.46	9.7	
108-39-4/106-4	3/4-Methylphenol		0.44	9.7	
91-20-3	Naphthalene		0.60	4.9	
88-74-4	2-Nitroaniline		0.67	9.7	
99-09-2	3-Nitroaniline		0.57	9.7	
100-01-6	4-Nitroaniline		0.58	9.7	
98-95-3	Nitrobenzene		0.61	9.7	
88-75-5	2-Nitrophenol		0.50	9.7	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17	File ID:	D22S104039.D
Sampled:	04/05/22 17:50	Prepared:	04/12/22 07:16	Analyzed:	04/14/22 23:27
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1030 mL / 1 mL				
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.7	
62-75-9	N-Nitrosodimethylamine		0.76	9.7	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.37	9.7	
621-64-7	N-Nitrosodi-n-propylamine		0.60	9.7	
82-68-8	Pentachloronitrobenzene		0.60	9.7	
87-86-5	Pentachlorophenol		3.4	9.7	
85-01-8	Phenanthrene		0.46	4.9	
108-95-2	Phenol		0.22	9.7	
129-00-0	Pyrene		0.59	4.9	
110-86-1	Pyridine		2.4	4.9	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.63	9.7	
120-82-1	1,2,4-Trichlorobenzene		0.65	4.9	
95-95-4	2,4,5-Trichlorophenol		0.50	9.7	
88-06-2	2,4,6-Trichlorophenol		0.44	9.7	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104039.D
Acq On : 14 Apr 2022 11:27 pm
Operator : BGL
Sample : 22D0541-17 Inst : GCMSSV4
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Apr 15 08:17:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	116906	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	451677	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	241026	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	418634	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	250889	40.00	ug/ml	0.00
80) PERYLENE-D12	11.023	264	207888	40.00	ug/ml	0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.668	112	295575	81.37	ug/ml	0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.69%			
3) Phenol-d6	3.118	99	343695	58.55	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 29.28%#			
20) Nitrobenzene-d5	3.638	82	327739	67.42	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 67.42%			
36) 2-Fluorobiphenyl	4.707	172	574852	72.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 72.41%			
37) 2,4,6-Tribromophenol	5.623	330	174187	165.08	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 82.54%			
72) Terphenyl-d14	7.256	244	684470	94.70	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 94.70%			
Target Compounds						Qvalue
79) Bis(2-ethylhexyl)phtha...	8.559	149	4727	0.61	ug/ml#	98

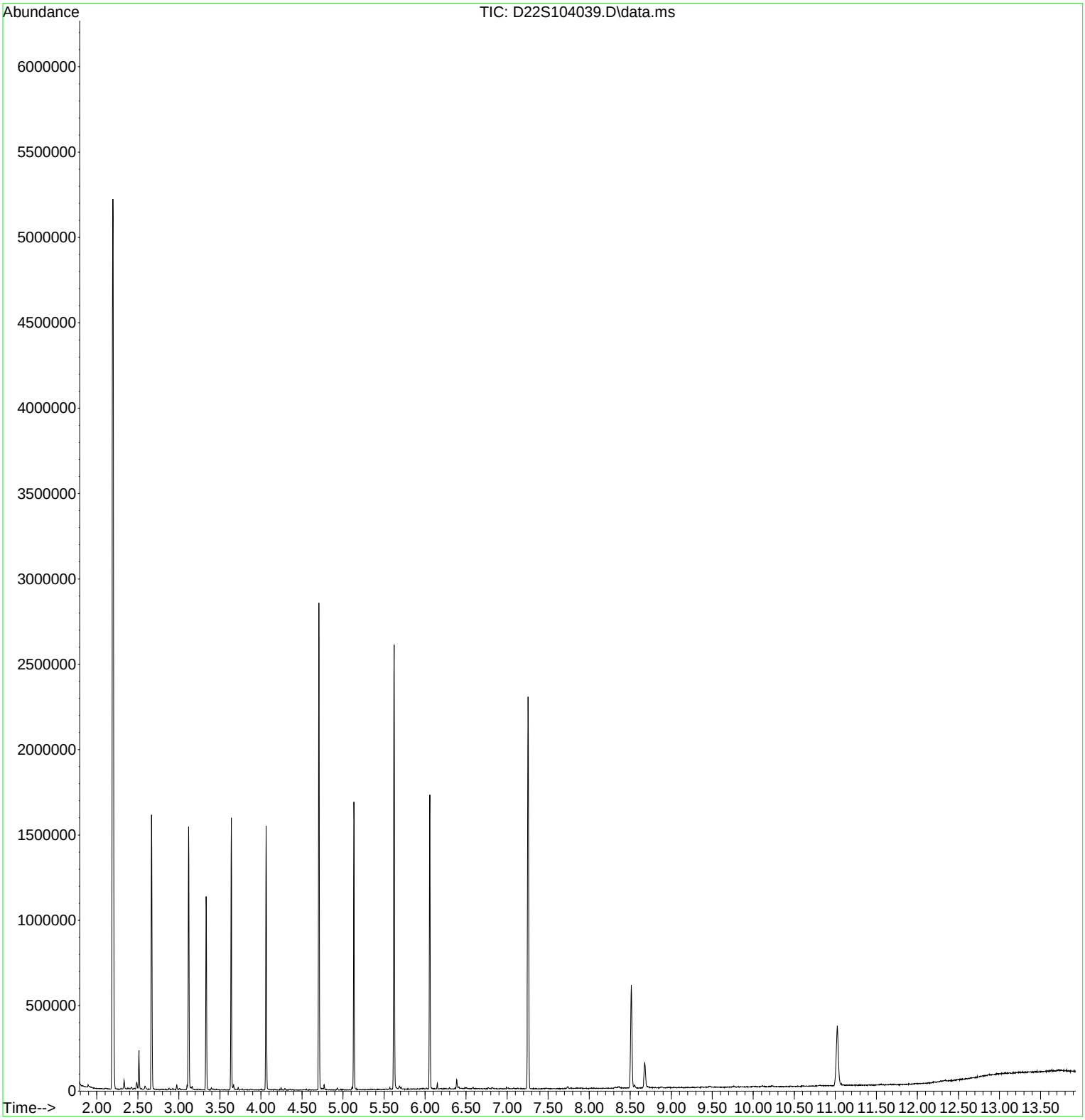
(#) = qualifier out of range (m) = manual integration (+) = signals summed

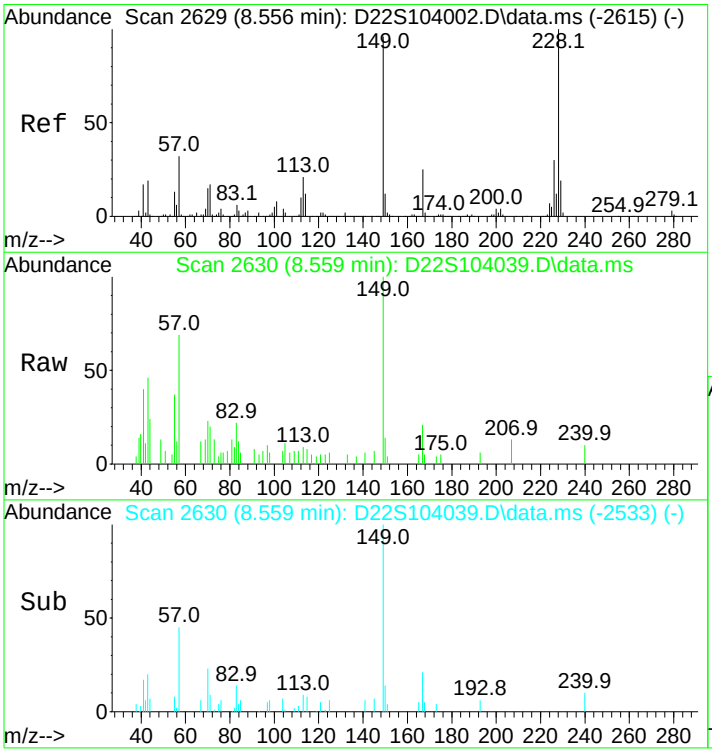
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104039.D
Acq On : 14 Apr 2022 11:27 pm
Operator : BGL
Sample : 22D0541-17 Inst : GCMSSV4
Misc :
ALS Vial : 39 Sample Multiplier: 1

655

Quant Time: Apr 15 08:17:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

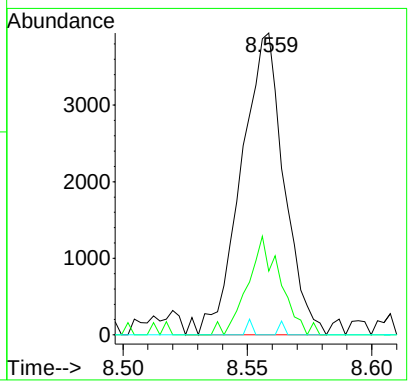




#79
Bis(2-ethylhexyl)phthalate
Concen: 0.61 ug/ml
RT: 8.559 min Scan# 2630
Delta R.T. 0.000 min
Lab File: D22S104039.D
Acq: 14 Apr 2022 11:27 pm

Tgt Ion:149 Resp: 4727

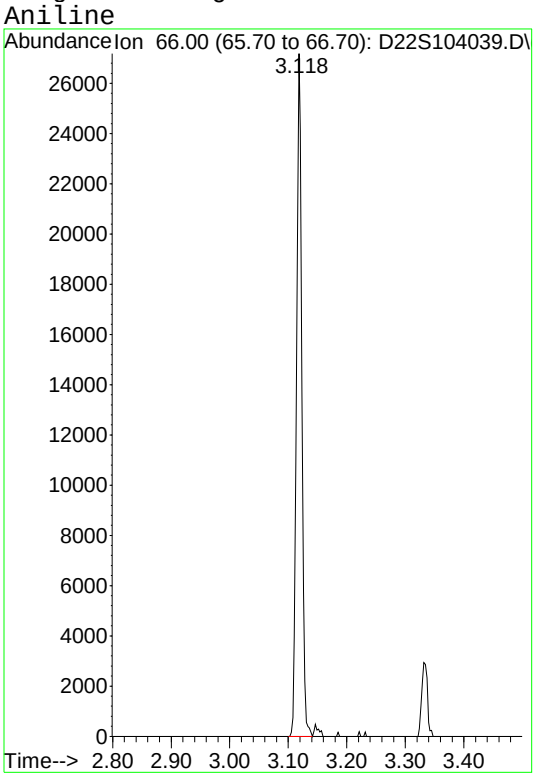
Ion	Ratio	Lower	Upper
149	100		
167	25.2	6.0	46.0
279	0.0	0.0	23.0



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104039.D
Acq On : 14 Apr 2022 11:27 pm
Operator : BGL
Sample : 22D0541-17
Misc :

Quant Time : Fri Apr 15 08:17:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

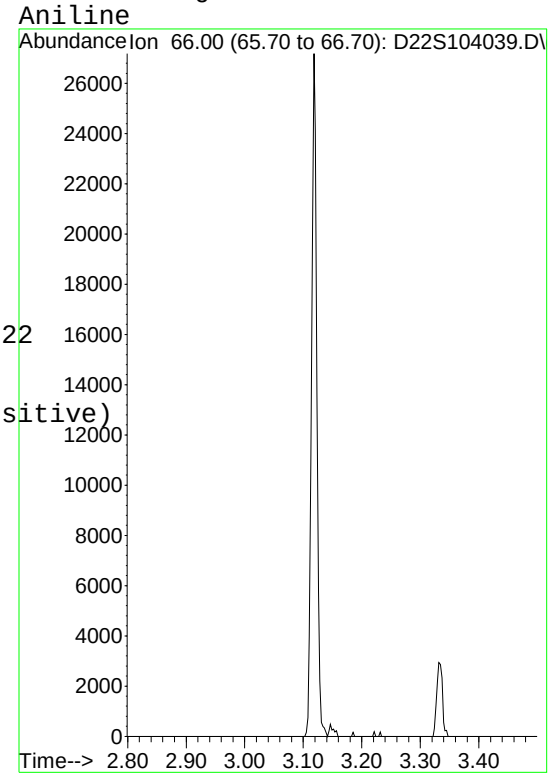
RT : 3.12
Area : 16968
Amount: 6.9986

Manual Int. Results

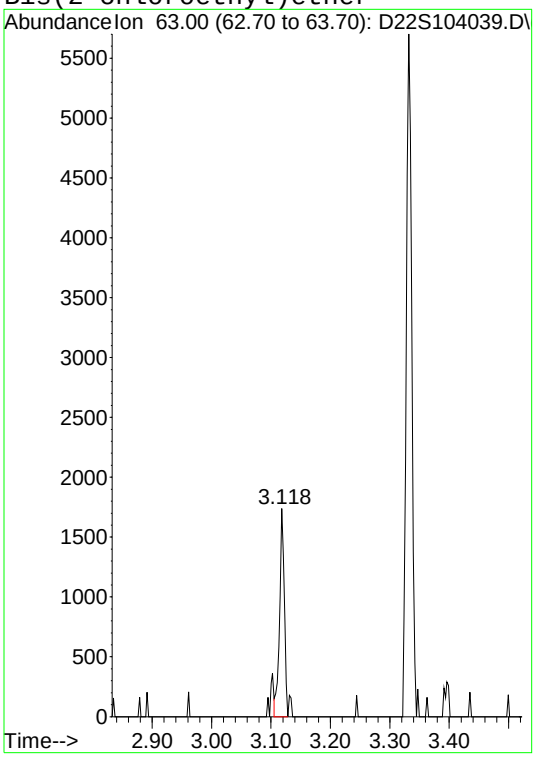
Fri Apr 15 08:16:18 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
Bis(2-chloroethyl)ether



Original Int. Results

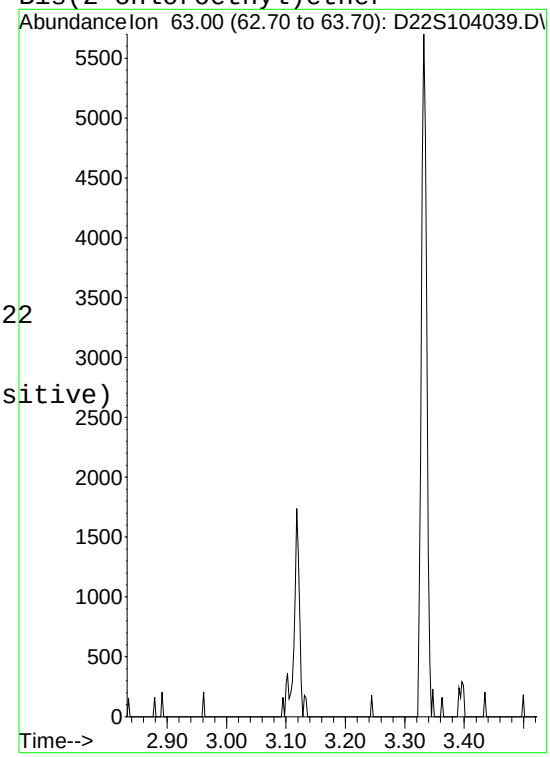
RT : 3.12
Area : 961
Amount: 0.205049

Manual Int. Results

Fri Apr 15 08:16:21 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

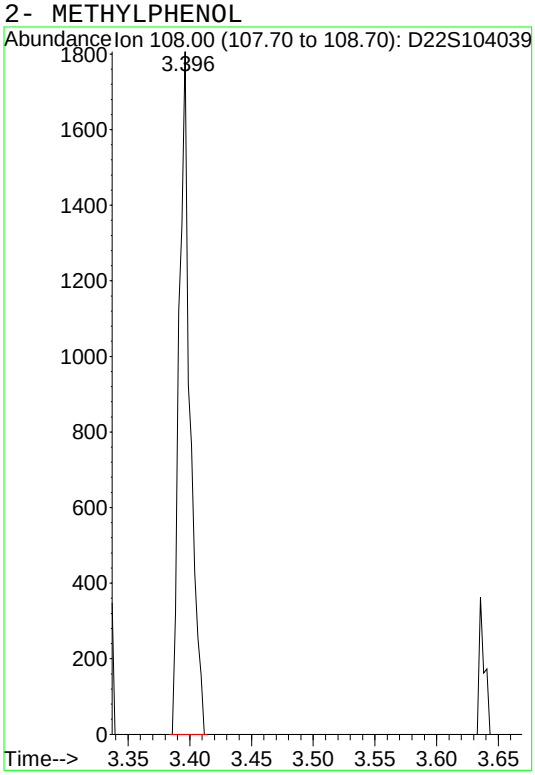
Manual Integration
Bis(2-chloroethyl)ether



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104039.D
Acq On : 14 Apr 2022 11:27 pm
Operator : BGL
Sample : 22D0541-17
Misc :

Quant Time : Fri Apr 15 08:17:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
2- METHYLPHENOL



Original Int. Results

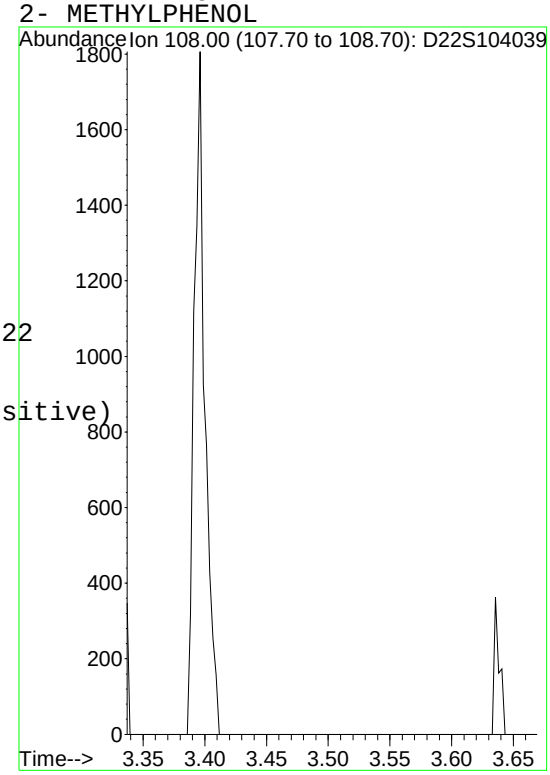
RT : 3.40
Area : 1101
Amount: 0.242541

Manual Int. Results

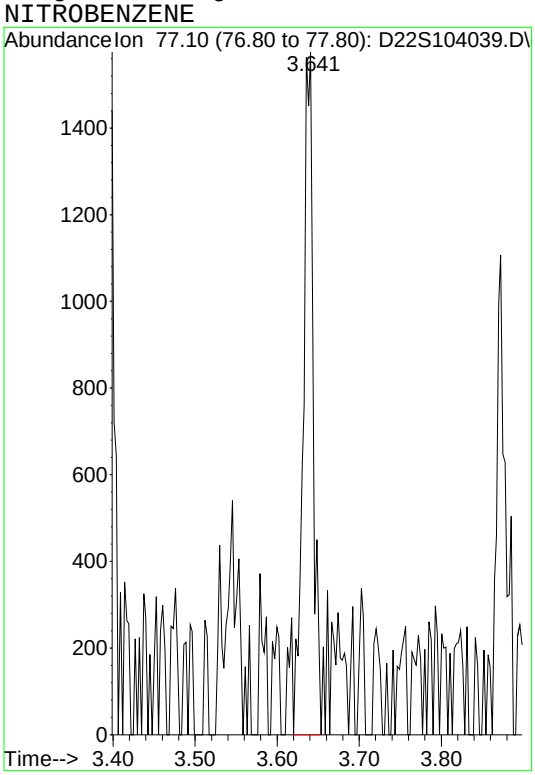
Fri Apr 15 08:17:41 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2- METHYLPHENOL



Original Integration
NITROBENZENE



Original Int. Results

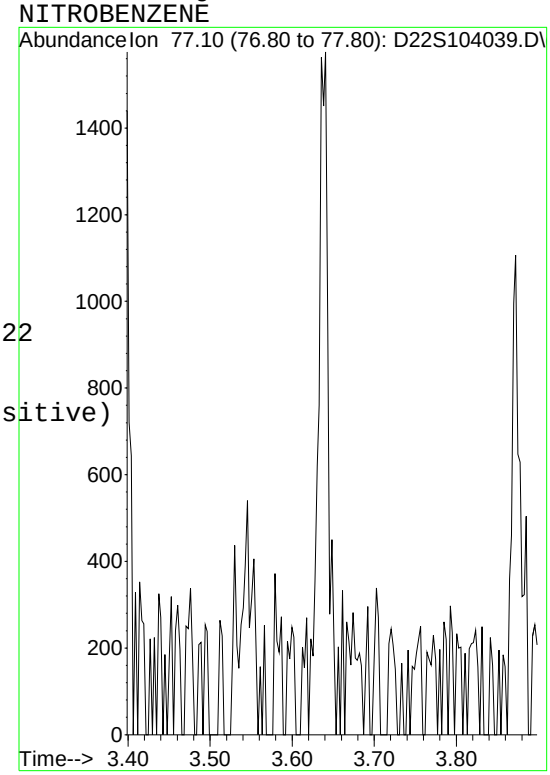
RT : 3.64
Area : 1325
Amount: 0.254654

Manual Int. Results

Fri Apr 15 08:17:44 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

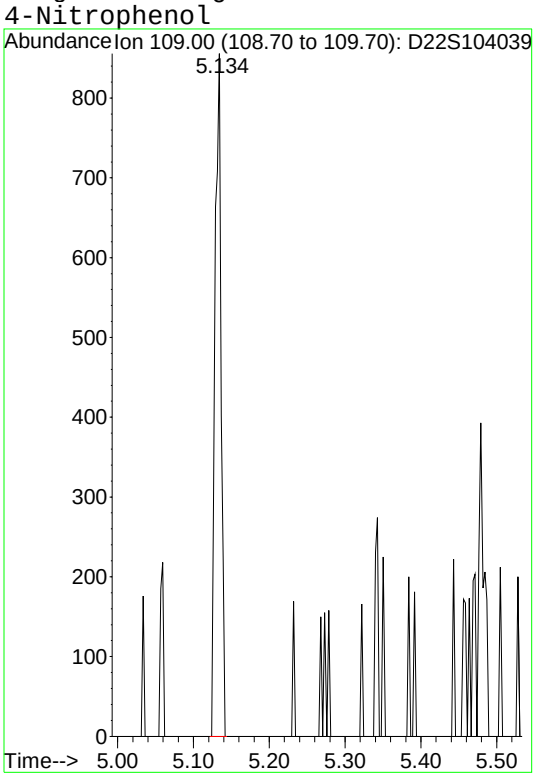
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104039.D
Acq On : 14 Apr 2022 11:27 pm
Operator : BGL
Sample : 22D0541-17
Misc :

Quant Time : Fri Apr 15 08:17:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

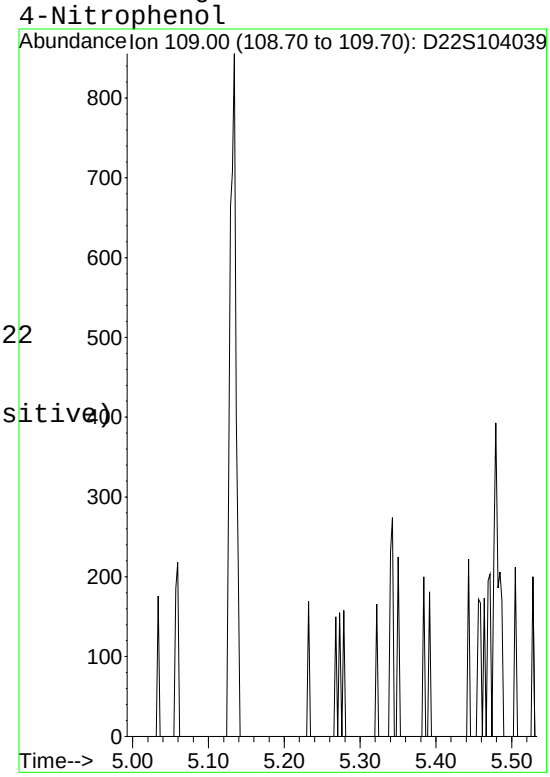
RT : 5.13
Area : 488
Amount: 0.328725

Manual Int. Results

Fri Apr 15 08:17:50 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18	File ID:	D22S108018.D
Sampled:	04/06/22 15:30	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 17:16
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1050 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.49	4.8	
208-96-8	Acenaphthylene		0.46	4.8	
98-86-2	Acetophenone		0.51	9.5	
62-53-3	Aniline		0.66	4.8	V-05
120-12-7	Anthracene		0.44	4.8	
92-87-5	Benzidine		9.9	19	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.39	4.8	
50-32-8	Benzo(a)pyrene		0.54	4.8	
205-99-2	Benzo(b)fluoranthene		0.45	4.8	
191-24-2	Benzo(g,h,i)perylene		0.58	4.8	
207-08-9	Benzo(k)fluoranthene		0.47	4.8	
65-85-0	Benzoic Acid		8.0	9.5	
111-91-1	Bis(2-chloroethoxy)methane		0.43	9.5	
111-44-4	Bis(2-chloroethyl)ether		0.54	9.5	
108-60-1	Bis(2-chloroisopropyl)ether		0.66	9.5	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.80	9.5	
101-55-3	4-Bromophenylphenylether		0.45	9.5	
85-68-7	Butylbenzylphthalate		0.64	9.5	
86-74-8	Carbazole		0.41	9.5	
106-47-8	4-Chloroaniline		0.55	9.5	V-34
59-50-7	4-Chloro-3-methylphenol		0.53	9.5	
91-58-7	2-Chloronaphthalene		0.46	9.5	
95-57-8	2-Chlorophenol		0.45	9.5	
7005-72-3	4-Chlorophenylphenylether		0.46	9.5	
218-01-9	Chrysene		0.38	4.8	
53-70-3	Dibenz(a,h)anthracene		0.66	4.8	
132-64-9	Dibenzofuran		0.46	4.8	
84-74-2	Di-n-butylphthalate		0.44	9.5	
95-50-1	1,2-Dichlorobenzene		0.63	4.8	
541-73-1	1,3-Dichlorobenzene		0.64	4.8	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18	File ID:	D22S108018.D
Sampled:	04/06/22 15:30	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 17:16
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1050 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.64	4.8	
91-94-1	3,3-Dichlorobenzidine		0.68	9.5	
120-83-2	2,4-Dichlorophenol		0.46	9.5	
84-66-2	Diethylphthalate		0.40	9.5	
105-67-9	2,4-Dimethylphenol		0.67	9.5	
131-11-3	Dimethylphthalate		0.36	9.5	
534-52-1	4,6-Dinitro-2-methylphenol		6.7	9.5	
51-28-5	2,4-Dinitrophenol		7.7	9.5	
121-14-2	2,4-Dinitrotoluene		0.58	9.5	
606-20-2	2,6-Dinitrotoluene		0.49	9.5	
117-84-0	Di-n-octylphthalate		3.7	9.5	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.55	9.5	
206-44-0	Fluoranthene		0.41	4.8	
86-73-7	Fluorene		0.50	4.8	
118-74-1	Hexachlorobenzene		0.48	9.5	
87-68-3	Hexachlorobutadiene		0.74	9.5	
77-47-4	Hexachlorocyclopentadiene		3.5	9.5	
67-72-1	Hexachloroethane		0.70	9.5	
193-39-5	Indeno(1,2,3-cd)pyrene		0.71	4.8	
78-59-1	Isophorone		0.53	9.5	
90-12-0	1-Methylnaphthalene		0.57	4.8	
91-57-6	2-Methylnaphthalene		0.66	4.8	
95-48-7	2-Methylphenol		0.45	9.5	
108-39-4/106-4	3/4-Methylphenol		0.44	9.5	
91-20-3	Naphthalene		0.59	4.8	
88-74-4	2-Nitroaniline		0.66	9.5	
99-09-2	3-Nitroaniline		0.56	9.5	
100-01-6	4-Nitroaniline		0.57	9.5	
98-95-3	Nitrobenzene		0.60	9.5	
88-75-5	2-Nitrophenol		0.49	9.5	

1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18	File ID:	D22S108018.D
Sampled:	04/06/22 15:30	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 17:16
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1050 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
				Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.5	
62-75-9	N-Nitrosodimethylamine		0.75	9.5	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.36	9.5	
621-64-7	N-Nitrosodi-n-propylamine		0.58	9.5	
82-68-8	Pentachloronitrobenzene		0.59	9.5	
87-86-5	Pentachlorophenol		3.3	9.5	
85-01-8	Phenanthrene		0.46	4.8	
108-95-2	Phenol		0.22	9.5	
129-00-0	Pyrene		0.58	4.8	
110-86-1	Pyridine		2.4	4.8	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.62	9.5	
120-82-1	1,2,4-Trichlorobenzene		0.64	4.8	
95-95-4	2,4,5-Trichlorophenol		0.49	9.5	
88-06-2	2,4,6-Trichlorophenol		0.43	9.5	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108018.D
Acq On : 18 Apr 2022 5:16 pm
Operator : BGL
Sample : 22D0541-18 Inst : GCMSSV4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 19 09:18:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

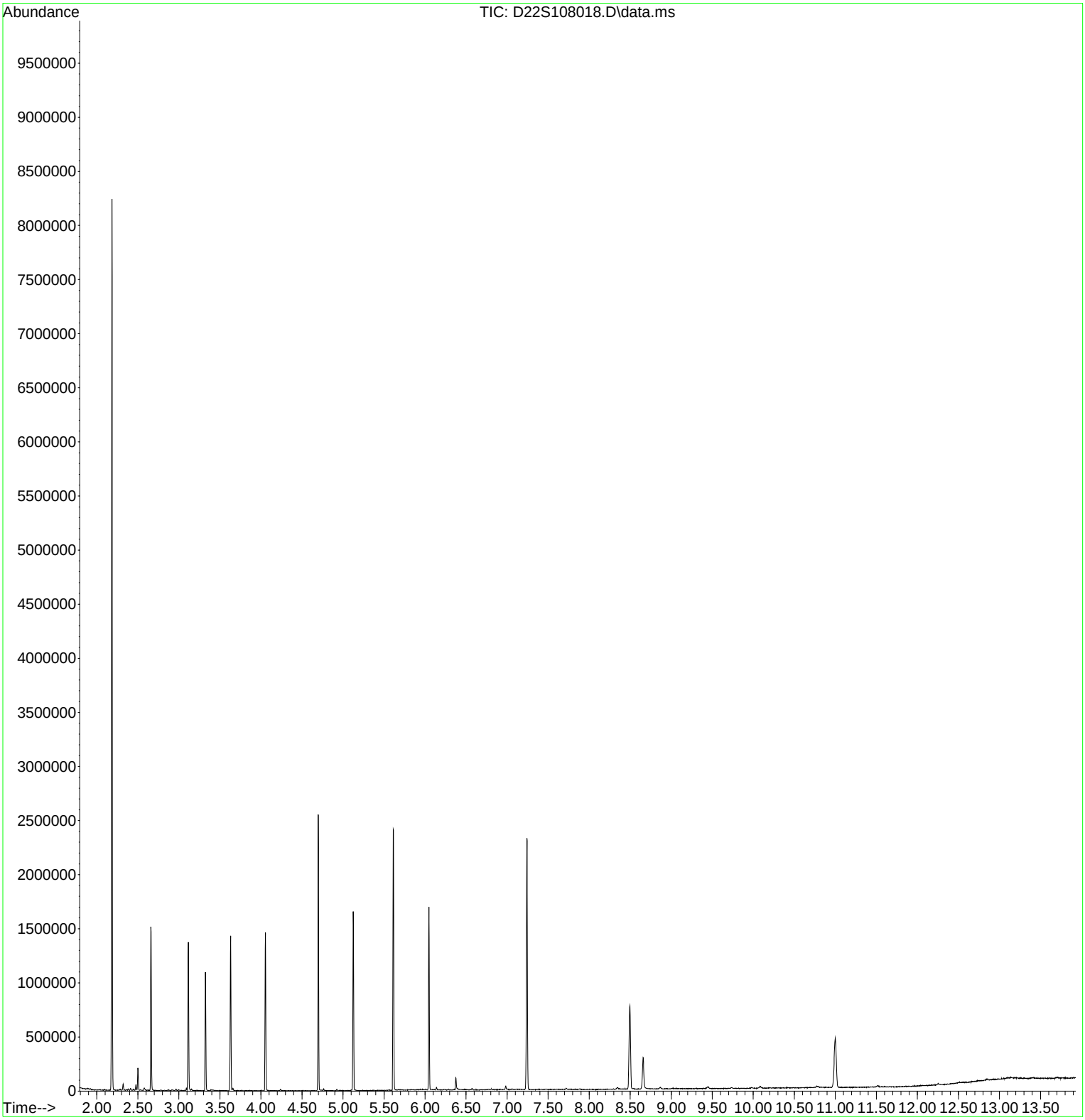
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	111370	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.055	136	433629	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.124	164	239909	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.048	188	422805	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.497	240	311980	40.00	ug/ml	-0.01
80) PERYLENE-D12	10.999	264	268152	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	265881	76.83	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 38.41%			
3) Phenol-d6	3.115	99	304613	54.47	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 27.23%#			
20) Nitrobenzene-d5	3.630	82	288011	61.71	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 61.71%			
36) 2-Fluorobiphenyl	4.699	172	513139	64.93	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 64.93%			
37) 2,4,6-Tribromophenol	5.616	330	171772	163.54	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 81.77%			
72) Terphenyl-d14	7.243	244	699028	77.78	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.78%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108018.D
Acq On : 18 Apr 2022 5:16 pm
Operator : BGL
Sample : 22D0541-18 Inst : GCMSSV4
Misc :
ALS Vial : 18 Sample Multiplier: 1

664

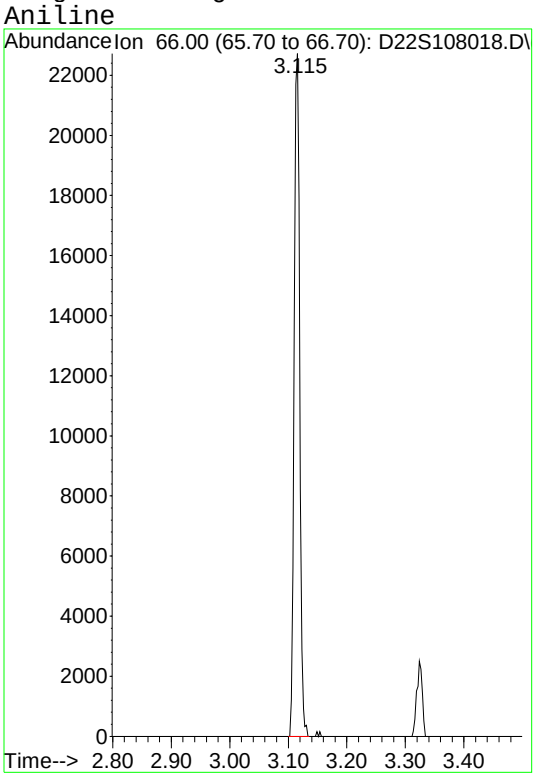
Quant Time: Apr 19 09:18:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108018.D
Acq On : 18 Apr 2022 5:16 pm
Operator : BGL
Sample : 22D0541-18
Misc :

Quant Time : Tue Apr 19 09:18:14 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

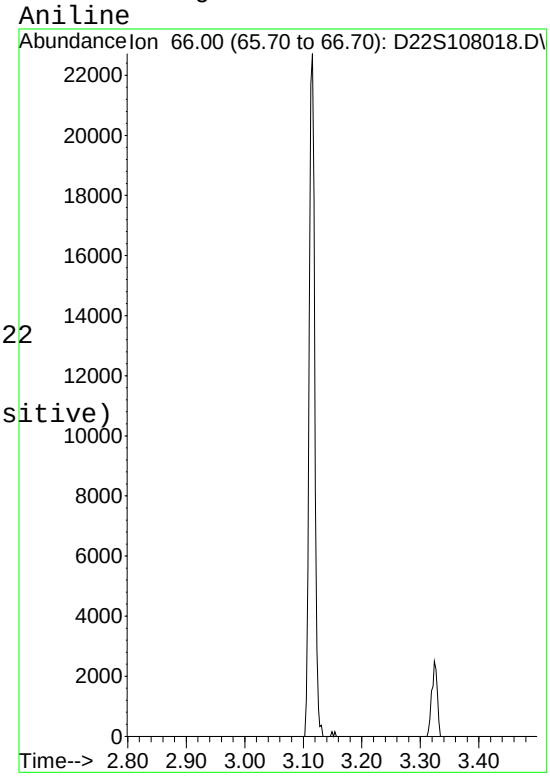
RT : 3.12
Area : 14761
Amount: 6.39094

Manual Int. Results

Tue Apr 19 09:18:14 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19	File ID:	D22S108019.D
Sampled:	04/06/22 15:30	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 17:41
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1060 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.49	4.7	
208-96-8	Acenaphthylene		0.46	4.7	
98-86-2	Acetophenone		0.50	9.4	
62-53-3	Aniline		0.66	4.7	V-05
120-12-7	Anthracene		0.43	4.7	
92-87-5	Benzidine		9.8	19	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene		0.38	4.7	
50-32-8	Benzo(a)pyrene		0.54	4.7	
205-99-2	Benzo(b)fluoranthene		0.45	4.7	
191-24-2	Benzo(g,h,i)perylene		0.58	4.7	
207-08-9	Benzo(k)fluoranthene		0.46	4.7	
65-85-0	Benzoic Acid		8.0	9.4	
111-91-1	Bis(2-chloroethoxy)methane		0.43	9.4	
111-44-4	Bis(2-chloroethyl)ether		0.54	9.4	
108-60-1	Bis(2-chloroisopropyl)ether		0.65	9.4	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate		0.79	9.4	
101-55-3	4-Bromophenylphenylether		0.44	9.4	
85-68-7	Butylbenzylphthalate		0.64	9.4	
86-74-8	Carbazole		0.40	9.4	
106-47-8	4-Chloroaniline		0.54	9.4	V-34
59-50-7	4-Chloro-3-methylphenol		0.53	9.4	
91-58-7	2-Chloronaphthalene		0.46	9.4	
95-57-8	2-Chlorophenol		0.45	9.4	
7005-72-3	4-Chlorophenylphenylether		0.45	9.4	
218-01-9	Chrysene		0.37	4.7	
53-70-3	Dibenz(a,h)anthracene		0.65	4.7	
132-64-9	Dibenzofuran		0.46	4.7	
84-74-2	Di-n-butylphthalate		0.43	9.4	
95-50-1	1,2-Dichlorobenzene		0.63	4.7	
541-73-1	1,3-Dichlorobenzene		0.63	4.7	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19	File ID:	D22S108019.D
Sampled:	04/06/22 15:30	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 17:41
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1060 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193	Instrument:	GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.63	4.7	
91-94-1	3,3-Dichlorobenzidine		0.67	9.4	
120-83-2	2,4-Dichlorophenol		0.45	9.4	
84-66-2	Diethylphthalate		0.39	9.4	
105-67-9	2,4-Dimethylphenol		0.66	9.4	
131-11-3	Dimethylphthalate		0.36	9.4	
534-52-1	4,6-Dinitro-2-methylphenol		6.6	9.4	
51-28-5	2,4-Dinitrophenol		7.6	9.4	
121-14-2	2,4-Dinitrotoluene		0.58	9.4	
606-20-2	2,6-Dinitrotoluene		0.49	9.4	
117-84-0	Di-n-octylphthalate		3.7	9.4	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.54	9.4	
206-44-0	Fluoranthene		0.41	4.7	
86-73-7	Fluorene		0.49	4.7	
118-74-1	Hexachlorobenzene		0.48	9.4	
87-68-3	Hexachlorobutadiene		0.73	9.4	
77-47-4	Hexachlorocyclopentadiene		3.5	9.4	
67-72-1	Hexachloroethane		0.70	9.4	
193-39-5	Indeno(1,2,3-cd)pyrene		0.70	4.7	
78-59-1	Isophorone		0.52	9.4	
90-12-0	1-Methylnaphthalene		0.57	4.7	
91-57-6	2-Methylnaphthalene		0.65	4.7	
95-48-7	2-Methylphenol		0.45	9.4	
108-39-4/106-4	3/4-Methylphenol		0.43	9.4	
91-20-3	Naphthalene		0.58	4.7	
88-74-4	2-Nitroaniline		0.65	9.4	
99-09-2	3-Nitroaniline		0.55	9.4	
100-01-6	4-Nitroaniline		0.56	9.4	
98-95-3	Nitrobenzene		0.59	9.4	
88-75-5	2-Nitrophenol		0.48	9.4	

1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19	File ID:	D22S108019.D
Sampled:	04/06/22 15:30	Prepared:	04/13/22 07:43	Analyzed:	04/18/22 17:41
Solids:		Preparation:	SW-846 3510C	Dilution:	1
Initial/Final:	1060 mL / 1 mL				
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.0	9.4	
62-75-9	N-Nitrosodimethylamine		0.74	9.4	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.36	9.4	
621-64-7	N-Nitrosodi-n-propylamine		0.58	9.4	
82-68-8	Pentachloronitrobenzene		0.59	9.4	
87-86-5	Pentachlorophenol		3.3	9.4	
85-01-8	Phenanthrene		0.45	4.7	
108-95-2	Phenol		0.21	9.4	
129-00-0	Pyrene		0.58	4.7	
110-86-1	Pyridine		2.3	4.7	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.62	9.4	
120-82-1	1,2,4-Trichlorobenzene		0.63	4.7	
95-95-4	2,4,5-Trichlorophenol		0.49	9.4	
88-06-2	2,4,6-Trichlorophenol		0.42	9.4	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108019.D
Acq On : 18 Apr 2022 5:41 pm
Operator : BGL
Sample : 22D0541-19 Inst : GCMSSV4
Misc :
ALS Vial : 19 Sample Multiplier: 1

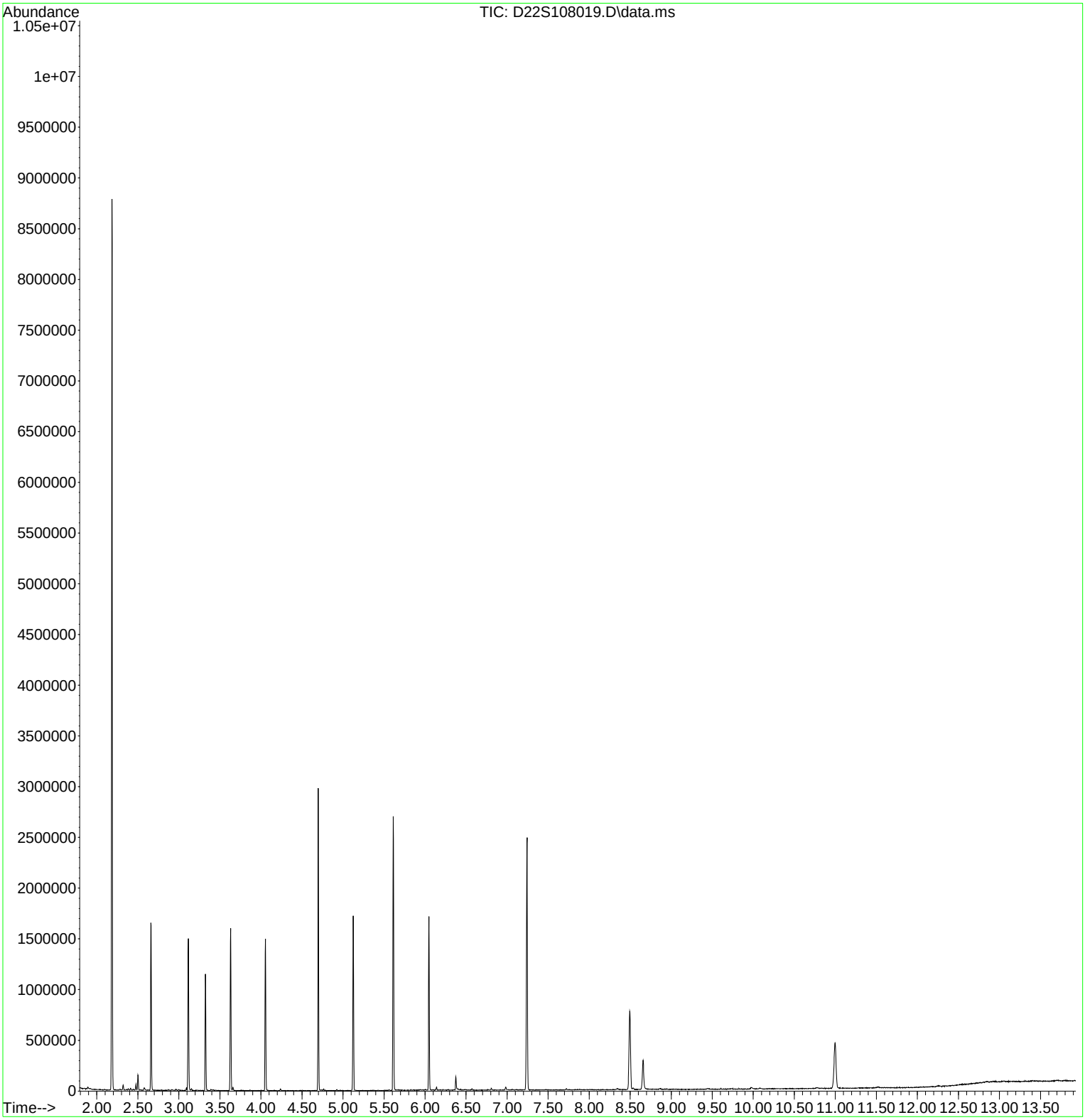
Quant Time: Apr 19 09:18:58 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

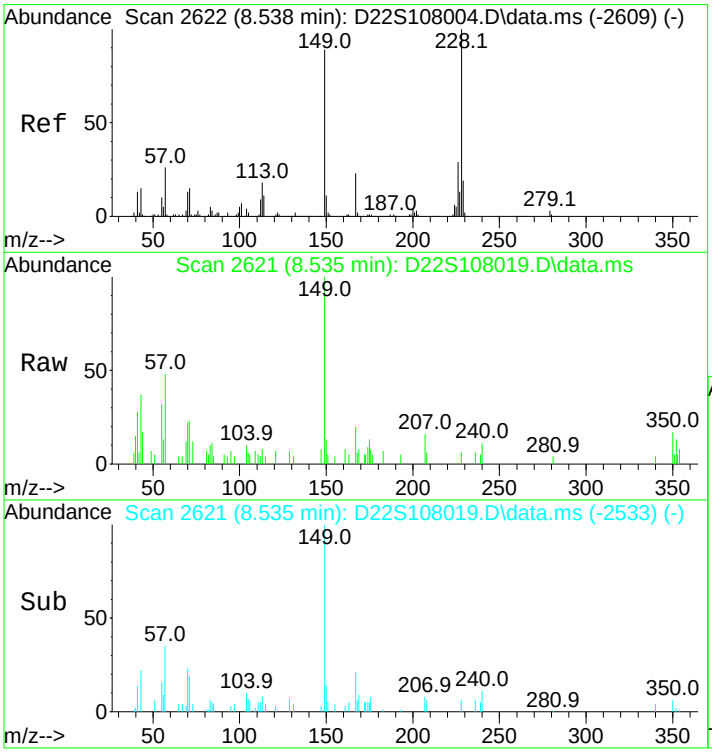
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	116646	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.055	136	449616	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.124	164	246134	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.048	188	430722	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.494	240	324815	40.00	ug/ml	-0.02
80) PERYLENE-D12	10.999	264	257078	40.00	ug/ml	-0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	296157	81.71	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.85%			
3) Phenol-d6	3.115	99	336965	57.53	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 28.77%#			
20) Nitrobenzene-d5	3.630	82	329169	68.02	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 68.02%			
36) 2-Fluorobiphenyl	4.699	172	592321	73.06	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 73.06%			
37) 2,4,6-Tribromophenol	5.613	330	188108	174.57	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 87.28%			
72) Terphenyl-d14	7.243	244	763492	81.59	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 81.59%			
Target Compounds						Qvalue
79) Bis(2-ethylhexyl)phtha...	8.535	149	4489	0.45	ug/ml#	95

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108019.D
Acq On : 18 Apr 2022 5:41 pm
Operator : BGL
Sample : 22D0541-19 Inst : GCMSSV4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 19 09:18:58 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

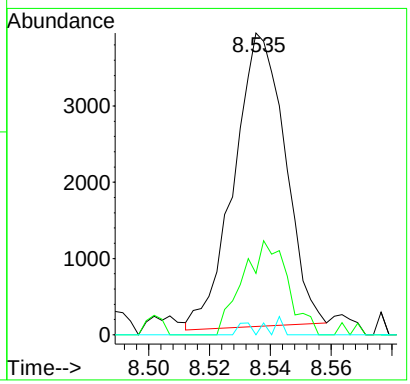




#79
Bis(2-ethylhexyl)phthalate
Concen: 0.45 ug/ml
RT: 8.535 min Scan# 2621
Delta R.T. -0.023 min
Lab File: D22S108019.D
Acq: 18 Apr 2022 5:41 pm

Tgt Ion:149 Resp: 4489

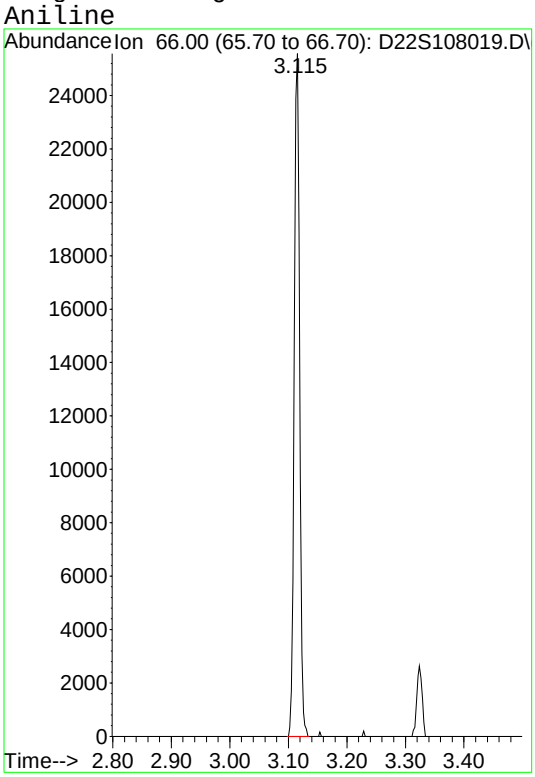
Ion	Ratio	Lower	Upper
149	100		
167	28.2	6.0	46.0
279	0.0	0.0	23.0



Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108019.D
Acq On : 18 Apr 2022 5:41 pm
Operator : BGL
Sample : 22D0541-19
Misc :

Quant Time : Tue Apr 19 09:18:58 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

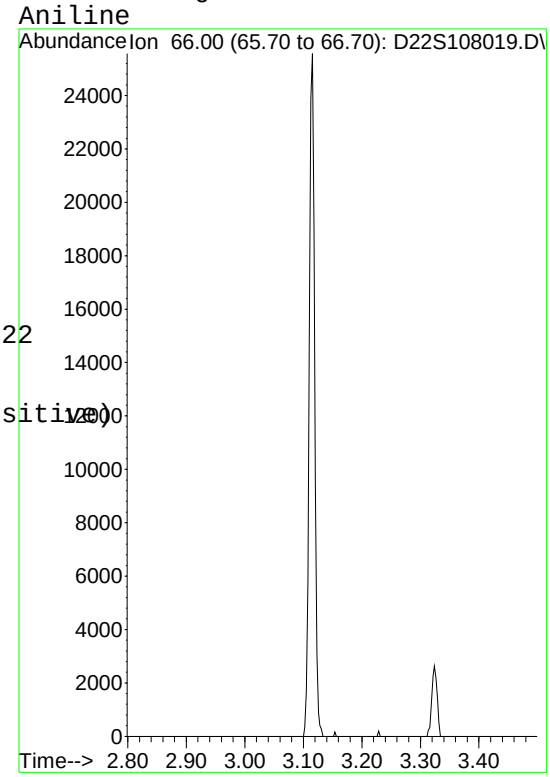
RT : 3.12
Area : 16248
Amount: 6.71657

Manual Int. Results

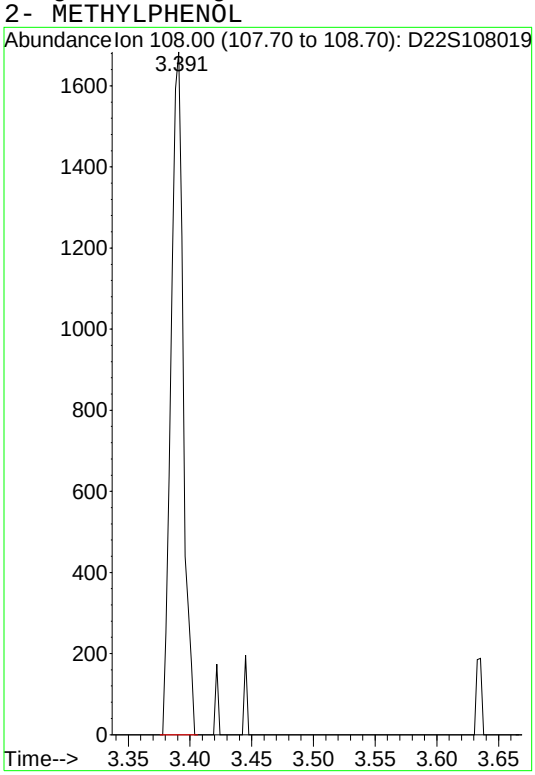
Tue Apr 19 09:18:47 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
2- METHYLPHENOL



Original Int. Results

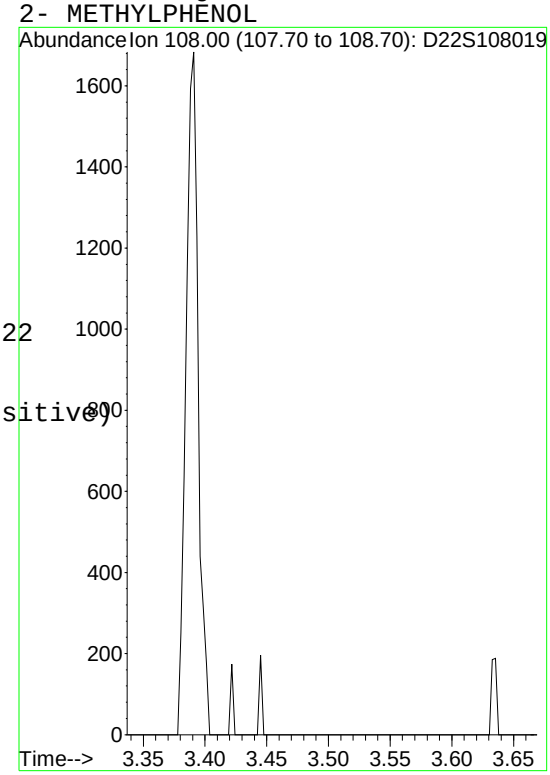
RT : 3.39
Area : 1155
Amount: 0.255004

Manual Int. Results

Tue Apr 19 09:18:58 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
2- METHYLPHENOL



QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Instrument:	GCMSSV4

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
22D0541-03	87.8	77.5	42.2	74.7	29.6	85.0
22D0541-04	87.2	73.1	41.0	71.9	28.3	78.9
22D0541-05	78.8	69.4	36.5	62.5	25.3	77.0
22D0541-08	72.0	60.0	36.8	58.4	25.2	70.8
22D0541-09	91.9	80.8	43.1	76.5	29.6	85.0
22D0541-10	79.3	69.3	40.8	63.8	30.8	107
22D0541-11	70.2	58.3	32.7	52.9	22.8	88.0
22D0541-12	79.8	68.6	37.4	61.9	27.5	98.5
22D0541-13	72.7	63.4	35.2	60.2	25.0	84.1
22D0541-16	51.1	45.9	25.0	41.4	18.1	61.4
22D0541-17	82.5	72.4	40.7	67.4	29.3	94.7
B305535-BLK1	83.3	67.7	39.4	68.5	27.6	75.2
B305535-BS1	101	91.8	44.9	81.6	35.6	91.9
B305535-BSD1	94.5	80.6	48.4	77.4	34.5	84.3

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Instrument:	GCMSSV4

	2,4,6-TBP (15% - 110%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (15% - 110%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (15% - 110%)	Terphnyl-d14 (30% - 130%)
22D0541-01	80.3	66.8	37.1	61.0	26.7	76.8
22D0541-02	78.5	69.3	27.6	62.6	18.4	75.4
22D0541-06	90.4	79.1	46.8	70.9	32.7	88.4
22D0541-07	80.6	73.0	43.9	69.1	29.8	83.1
22D0541-14	77.7	70.1	39.9	65.1	27.8	78.5
22D0541-15	86.3	76.9	39.1	69.4	26.6	88.7
22D0541-18	81.8	64.9	38.4	61.7	27.2	77.8
22D0541-19	87.3	73.1	40.9	68.0	28.8	81.6
B305646-BLK1	81.9	64.8	40.5	67.0	27.5	71.3
B305646-BS1	96.8	87.8	48.8	83.1	35.1	89.6
B305646-BSD1	88.2	78.7	45.1	74.7	31.5	79.4
B305646-MS1	76.2	72.4	37.6	65.9	26.1	69.3
B305646-MSD1	78.3	70.7	37.3	59.2	26.4	76.0

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B305646	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B305646-MS1
Initial/Final:	1000 mL / 1 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
Acenaphthene	50.0	ND	32.4	64.8		40 - 140
Acenaphthylene	50.0	ND	32.9	65.8		40 - 140
Acetophenone	50.0	ND	31.7	63.5		40 - 140
Aniline	50.0	ND	23.4	46.9		40 - 140
Anthracene	50.0	ND	33.1	66.2		40 - 140
Benzidine	50.0	ND	30.0	60.0		40 - 140
Benzo(a)anthracene	50.0	ND	32.7	65.4		40 - 140
Benzo(a)pyrene	50.0	ND	35.7	71.4		40 - 140
Benzo(b)fluoranthene	50.0	ND	34.2	68.3		40 - 140
Benzo(g,h,i)perylene	50.0	ND	34.8	69.7		40 - 140
Benzo(k)fluoranthene	50.0	ND	36.9	73.8		40 - 140
Benzoic Acid	50.0	ND	13.9	27.9	*	40 - 140
Bis(2-chloroethoxy)methane	50.0	ND	31.6	63.3		40 - 140
Bis(2-chloroethyl)ether	50.0	ND	26.7	53.4		40 - 140
Bis(2-chloroisopropyl)ether	50.0	ND	28.2	56.4		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	ND	31.6	63.3		40 - 140
4-Bromophenylphenylether	50.0	ND	32.7	65.3		40 - 140
Butylbenzylphthalate	50.0	ND	30.9	61.8		40 - 140
Carbazole	50.0	ND	32.8	65.7		40 - 140
4-Chloroaniline	50.0	ND	24.6	49.3		40 - 140
4-Chloro-3-methylphenol	50.0	ND	30.7	61.5		30 - 130
2-Chloronaphthalene	50.0	ND	31.0	61.9		40 - 140
2-Chlorophenol	50.0	ND	27.5	55.1		30 - 130
4-Chlorophenylphenylether	50.0	ND	33.8	67.6		40 - 140
Chrysene	50.0	ND	31.9	63.8		40 - 140
Dibenz(a,h)anthracene	50.0	ND	33.2	66.4		40 - 140
Dibenzofuran	50.0	ND	36.0	72.1		40 - 140
Di-n-butylphthalate	50.0	ND	31.7	63.4		40 - 140
1,2-Dichlorobenzene	50.0	ND	28.4	56.9		40 - 140
1,3-Dichlorobenzene	50.0	ND	26.9	53.7		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B305646	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B305646-MS1
Initial/Final:	1000 mL / 1 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.	QC LIMITS REC.
1,4-Dichlorobenzene	50.0	ND	27.3	54.7	40 - 140
3,3-Dichlorobenzidine	50.0	ND	31.4	62.8	40 - 140
2,4-Dichlorophenol	50.0	ND	33.0	66.0	30 - 130
Diethylphthalate	50.0	ND	32.3	64.6	40 - 140
2,4-Dimethylphenol	50.0	ND	30.0	60.1	30 - 130
Dimethylphthalate	50.0	ND	31.8	63.5	40 - 140
4,6-Dinitro-2-methylphenol	50.0	ND	31.9	63.7	30 - 130
2,4-Dinitrophenol	50.0	ND	28.9	57.7	30 - 130
2,4-Dinitrotoluene	50.0	ND	35.2	70.4	40 - 140
2,6-Dinitrotoluene	50.0	ND	35.3	70.6	40 - 140
Di-n-octylphthalate	50.0	ND	35.4	70.8	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	ND	31.9	63.9	40 - 140
Fluoranthene	50.0	ND	33.4	66.9	40 - 140
Fluorene	50.0	ND	33.9	67.7	40 - 140
Hexachlorobenzene	50.0	ND	34.3	68.7	40 - 140
Hexachlorobutadiene	50.0	ND	32.2	64.4	40 - 140
Hexachlorocyclopentadiene	50.0	ND	20.1	40.1	30 - 130
Hexachloroethane	50.0	ND	26.0	52.0	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	ND	32.2	64.4	40 - 140
Isophorone	50.0	ND	34.8	69.6	40 - 140
1-Methylnaphthalene	50.0	ND	30.4	60.8	40 - 140
2-Methylnaphthalene	50.0	ND	35.1	70.2	40 - 140
2-Methylphenol	50.0	ND	26.2	52.4	30 - 130
3/4-Methylphenol	50.0	ND	25.5	51.1	30 - 130
Naphthalene	50.0	ND	31.2	62.4	40 - 140
2-Nitroaniline	50.0	ND	37.8	75.7	40 - 140
3-Nitroaniline	50.0	ND	29.2	58.3	40 - 140
4-Nitroaniline	50.0	ND	34.7	69.4	40 - 140
Nitrobenzene	50.0	ND	31.3	62.6	40 - 140
2-Nitrophenol	50.0	ND	31.2	62.4	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B305646	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B305646-MS1
Initial/Final:	1000 mL / 1 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC.		QC LIMITS REC.
4-Nitrophenol	50.0	ND	17.0	34.1		30 - 130
N-Nitrosodimethylamine	50.0	ND	18.2	36.3	*	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	ND	33.9	67.9		40 - 140
N-Nitrosodi-n-propylamine	50.0	ND	31.3	62.6		40 - 140
Pentachloronitrobenzene	50.0	ND	35.3	70.5		40 - 140
Pentachlorophenol	50.0	ND	31.2	62.4		30 - 130
Phenanthrene	50.0	ND	32.7	65.4		40 - 140
Phenol	50.0	ND	11.7	23.3	*	30 - 130
Pyrene	50.0	ND	33.8	67.7		40 - 140
Pyridine	50.0	ND	11.4	22.7	*	40 - 140
1,2,4,5-Tetrachlorobenzene	50.0	ND	33.6	67.1		40 - 140
1,2,4-Trichlorobenzene	50.0	ND	32.3	64.6		40 - 140
2,4,5-Trichlorophenol	50.0	ND	37.4	74.8		30 - 130
2,4,6-Trichlorophenol	50.0	ND	34.7	69.5		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B305646	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B305646-MSD1
Initial/Final:	980 mL / 1 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	51.0	32.3	63.3		0.415	30	40 - 140
Acenaphthylene	51.0	32.9	64.4		0.00746	30	40 - 140
Acetophenone	51.0	30.0	58.8		5.70	30	40 - 140
Aniline	51.0	25.2	49.5		7.33	30	40 - 140
Anthracene	51.0	34.2	67.0		3.16	30	40 - 140
Benzidine	51.0	37.2	73.0		21.6	30	40 - 140
Benzo(a)anthracene	51.0	34.3	67.2		4.64	30	40 - 140
Benzo(a)pyrene	51.0	36.6	71.7		2.50	30	40 - 140
Benzo(b)fluoranthene	51.0	34.7	67.9		1.43	30	40 - 140
Benzo(g,h,i)perylene	51.0	33.1	64.9		5.12	30	40 - 140
Benzo(k)fluoranthene	51.0	37.1	72.6		0.436	30	40 - 140
Benzoic Acid	51.0	15.5	30.4	*	10.7	30	40 - 140
Bis(2-chloroethoxy)methane	51.0	29.2	57.2		8.15	30	40 - 140
Bis(2-chloroethyl)ether	51.0	24.2	47.4		9.90	30	40 - 140
Bis(2-chloroisopropyl)ether	51.0	25.3	49.6		10.7	30	40 - 140
Bis(2-Ethylhexyl)phthalate	51.0	34.7	68.0		9.15	30	40 - 140
4-Bromophenylphenylether	51.0	35.1	68.8		7.21	30	40 - 140
Butylbenzylphthalate	51.0	33.0	64.7		6.51	30	40 - 140
Carbazole	51.0	34.0	66.6		3.32	30	40 - 140
4-Chloroaniline	51.0	30.4	59.6		21.0	30	40 - 140
4-Chloro-3-methylphenol	51.0	31.3	61.3		1.79	30	30 - 130
2-Chloronaphthalene	51.0	30.0	58.9		3.05	30	40 - 140
2-Chlorophenol	51.0	26.8	52.5		2.74	30	30 - 130
4-Chlorophenylphenylether	51.0	33.9	66.5		0.351	30	40 - 140
Chrysene	51.0	33.6	65.9		5.26	30	40 - 140
Dibenz(a,h)anthracene	51.0	32.3	63.3		2.82	30	40 - 140
Dibenzofuran	51.0	35.9	70.4		0.423	30	40 - 140
Di-n-butylphthalate	51.0	32.3	63.3		1.89	30	40 - 140
1,2-Dichlorobenzene	51.0	25.8	50.6		9.67	30	40 - 140
1,3-Dichlorobenzene	51.0	24.4	47.8		9.73	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B305646	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B305646-MSD1
Initial/Final:	980 mL / 1 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	51.0	24.7	48.5	9.97	30	40 - 140
3,3-Dichlorobenzidine	51.0	35.0	68.5	10.7	30	40 - 140
2,4-Dichlorophenol	51.0	31.7	62.2	3.94	30	30 - 130
Diethylphthalate	51.0	33.3	65.4	3.13	30	40 - 140
2,4-Dimethylphenol	51.0	29.7	58.3	0.954	30	30 - 130
Dimethylphthalate	51.0	32.8	64.4	3.33	30	40 - 140
4,6-Dinitro-2-methylphenol	51.0	32.5	63.7	2.02	30	30 - 130
2,4-Dinitrophenol	51.0	29.8	58.5	3.29	30	30 - 130
2,4-Dinitrotoluene	51.0	35.8	70.2	1.71	30	40 - 140
2,6-Dinitrotoluene	51.0	36.7	72.0	3.96	30	40 - 140
Di-n-octylphthalate	51.0	34.3	67.3	3.08	30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	51.0	32.4	63.6	1.58	30	40 - 140
Fluoranthene	51.0	32.9	64.5	1.60	30	40 - 140
Fluorene	51.0	34.6	67.8	2.05	30	40 - 140
Hexachlorobenzene	51.0	37.2	72.8	7.93	30	40 - 140
Hexachlorobutadiene	51.0	30.0	58.8	7.04	30	40 - 140
Hexachlorocyclopentadiene	51.0	15.8	30.9	24.0	30	30 - 130
Hexachloroethane	51.0	22.6	44.3	13.8	30	40 - 140
Indeno(1,2,3-cd)pyrene	51.0	31.9	62.5	0.912	30	40 - 140
Isophorone	51.0	33.0	64.7	5.34	30	40 - 140
1-Methylnaphthalene	51.0	28.9	56.7	4.92	30	40 - 140
2-Methylnaphthalene	51.0	33.1	64.9	5.77	30	40 - 140
2-Methylphenol	51.0	26.7	52.3	1.71	30	30 - 130
3/4-Methylphenol	51.0	25.9	50.8	1.47	30	30 - 130
Naphthalene	51.0	28.8	56.5	7.98	30	40 - 140
2-Nitroaniline	51.0	32.9	64.5	14.0	30	40 - 140
3-Nitroaniline	51.0	34.0	66.6	15.3	30	40 - 140
4-Nitroaniline	51.0	36.3	71.2	4.47	30	40 - 140
Nitrobenzene	51.0	28.7	56.2	8.82	30	40 - 140
2-Nitrophenol	51.0	29.2	57.3	6.44	30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 8270E
Batch:	B305646	Preparation:	SW-846 3510C
% Solids:		Laboratory ID:	B305646-MSD1
Initial/Final:	980 mL / 1 mL	Sample Lab ID:	22D0541-15
Column:			

ANALYTE	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
4-Nitrophenol	51.0	18.5	36.3		8.38	30	30 - 130
N-Nitrosodimethylamine	51.0	18.1	35.5	*	0.152	30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	51.0	35.4	69.5		4.35	30	40 - 140
N-Nitrosodi-n-propylamine	51.0	28.9	56.7		7.88	30	40 - 140
Pentachloronitrobenzene	51.0	37.0	72.5		4.79	30	40 - 140
Pentachlorophenol	51.0	32.6	64.0		4.49	30	30 - 130
Phenanthrene	51.0	34.2	67.1		4.52	30	40 - 140
Phenol	51.0	12.1	23.7	*	3.72	30	30 - 130
Pyrene	51.0	36.1	70.8		6.58	30	40 - 140
Pyridine	51.0	11.8	23.2	*	4.28	30	40 - 140
1,2,4,5-Tetrachlorobenzene	51.0	33.6	65.9		0.186	30	40 - 140
1,2,4-Trichlorobenzene	51.0	29.6	58.1		8.65	30	40 - 140
2,4,5-Trichlorophenol	51.0	38.4	75.3		2.63	30	30 - 130
2,4,6-Trichlorophenol	51.0	35.9	70.5		3.42	30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305535	Laboratory ID:	B305535-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.0	41.9	83.9	40 - 140
Acenaphthylene	50.0	42.1	84.1	40 - 140
Acetophenone	50.0	38.3	76.6	40 - 140
Aniline	50.0	34.9	69.9	40 - 140
Anthracene	50.0	45.6	91.2	40 - 140
Benzidine	50.0	66.6	133	40 - 140
Benzo(a)anthracene	50.0	45.5	90.9	40 - 140
Benzo(a)pyrene	50.0	51.2	102	40 - 140
Benzo(b)fluoranthene	50.0	47.3	94.5	40 - 140
Benzo(g,h,i)perylene	50.0	51.4	103	40 - 140
Benzo(k)fluoranthene	50.0	50.6	101	40 - 140
Benzoic Acid	50.0	10.5	21.0	10 - 130
Bis(2-chloroethoxy)methane	50.0	39.8	79.5	40 - 140
Bis(2-chloroethyl)ether	50.0	30.5	61.0	40 - 140
Bis(2-chloroisopropyl)ether	50.0	33.8	67.7	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	43.8	87.7	40 - 140
4-Bromophenylphenylether	50.0	41.8	83.6	40 - 140
Butylbenzylphthalate	50.0	42.0	84.0	40 - 140
Carbazole	50.0	46.0	92.0	40 - 140
4-Chloroaniline	50.0	41.9	83.8	40 - 140
4-Chloro-3-methylphenol	50.0	41.5	83.0	30 - 130
2-Chloronaphthalene	50.0	37.8	75.7	40 - 140
2-Chlorophenol	50.0	32.3	64.5	30 - 130
4-Chlorophenylphenylether	50.0	43.6	87.3	40 - 140
Chrysene	50.0	45.2	90.3	40 - 140
Dibenz(a,h)anthracene	50.0	48.4	96.9	40 - 140
Dibenzofuran	50.0	47.0	93.9	40 - 140
Di-n-butylphthalate	50.0	43.5	87.0	40 - 140
1,2-Dichlorobenzene	50.0	25.6	51.3	40 - 140
1,3-Dichlorobenzene	50.0	23.4	46.9	40 - 140
1,4-Dichlorobenzene	50.0	24.2	48.4	40 - 140
3,3-Dichlorobenzidine	50.0	46.8	93.6	40 - 140
2,4-Dichlorophenol	50.0	41.0	81.9	30 - 130
Diethylphthalate	50.0	44.2	88.5	40 - 140
2,4-Dimethylphenol	50.0	40.4	80.8	30 - 130
Dimethylphthalate	50.0	42.8	85.6	40 - 140
4,6-Dinitro-2-methylphenol	50.0	44.4	88.9	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305535	Laboratory ID:	B305535-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,4-Dinitrophenol	50.0	40.4	80.8	30 - 130
2,4-Dinitrotoluene	50.0	48.0	96.1	40 - 140
2,6-Dinitrotoluene	50.0	47.8	95.7	40 - 140
Di-n-octylphthalate	50.0	43.2	86.3	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	44.2	88.5	40 - 140
Fluoranthene	50.0	46.2	92.4	40 - 140
Fluorene	50.0	45.0	89.9	40 - 140
Hexachlorobenzene	50.0	45.4	90.8	40 - 140
Hexachlorobutadiene	50.0	27.8	55.6	40 - 140
Hexachlorocyclopentadiene	50.0	31.4	62.7	30 - 140
Hexachloroethane	50.0	21.8	43.7	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	48.9	97.8	40 - 140
Isophorone	50.0	45.3	90.6	40 - 140
1-Methylnaphthalene	50.0	35.4	70.9	40 - 140
2-Methylnaphthalene	50.0	40.2	80.3	40 - 140
2-Methylphenol	50.0	34.7	69.4	30 - 130
3/4-Methylphenol	50.0	34.5	69.0	30 - 130
Naphthalene	50.0	34.0	67.9	40 - 140
2-Nitroaniline	50.0	53.8	108	40 - 140
3-Nitroaniline	50.0	44.1	88.2	40 - 140
4-Nitroaniline	50.0	48.1	96.2	40 - 140
Nitrobenzene	50.0	38.4	76.9	40 - 140
2-Nitrophenol	50.0	37.3	74.6	30 - 130
4-Nitrophenol	50.0	23.5	47.1	10 - 130
N-Nitrosodimethylamine	50.0	22.2	44.3	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	46.3	92.6	40 - 140
N-Nitrosodi-n-propylamine	50.0	39.2	78.4	40 - 140
Pentachloronitrobenzene	50.0	45.2	90.4	40 - 140
Pentachlorophenol	50.0	42.2	84.3	30 - 130
Phenanthrene	50.0	45.2	90.4	40 - 140
Phenol	50.0	16.0	32.0	20 - 130
Pyrene	50.0	44.7	89.3	40 - 140
Pyridine	50.0	15.5	31.0	10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	39.9	79.7	40 - 140
1,2,4-Trichlorobenzene	50.0	31.4	62.7	40 - 140
2,4,5-Trichlorophenol	50.0	48.4	96.9	30 - 130
2,4,6-Trichlorophenol	50.0	45.8	91.6	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305535	Laboratory ID:	B305535-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	38.0	76.0	9.88		20	40 - 140
Acenaphthylene	50.0	37.8	75.5	10.8		20	40 - 140
Acetophenone	50.0	36.9	73.8	3.72		20	40 - 140
Aniline	50.0	34.9	69.8	0.143		50	40 - 140
Anthracene	50.0	42.0	84.0	8.18		20	40 - 140
Benzidine	50.0	25.4	50.8	89.6	*	20	40 - 140
Benzo(a)anthracene	50.0	42.3	84.5	7.32		20	40 - 140
Benzo(a)pyrene	50.0	47.0	94.0	8.58		20	40 - 140
Benzo(b)fluoranthene	50.0	44.0	88.1	7.03		20	40 - 140
Benzo(g,h,i)perylene	50.0	47.9	95.8	6.93		20	40 - 140
Benzo(k)fluoranthene	50.0	47.1	94.2	7.19		20	40 - 140
Benzoic Acid	50.0	13.7	27.5	26.8		50	10 - 130
Bis(2-chloroethoxy)methane	50.0	36.0	72.0	9.87		20	40 - 140
Bis(2-chloroethyl)ether	50.0	31.6	63.2	3.41		20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	34.4	68.9	1.73		20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	40.9	81.9	6.84		20	40 - 140
4-Bromophenylphenylether	50.0	38.9	77.9	7.06		20	40 - 140
Butylbenzylphthalate	50.0	39.5	79.1	5.99		20	40 - 140
Carbazole	50.0	43.2	86.3	6.37		20	40 - 140
4-Chloroaniline	50.0	40.6	81.1	3.25		20	40 - 140
4-Chloro-3-methylphenol	50.0	38.6	77.2	7.27		20	30 - 130
2-Chloronaphthalene	50.0	33.6	67.1	12.0		20	40 - 140
2-Chlorophenol	50.0	32.6	65.1	0.925		20	30 - 130
4-Chlorophenylphenylether	50.0	39.7	79.3	9.53		20	40 - 140
Chrysene	50.0	41.5	82.9	8.52		20	40 - 140
Dibenz(a,h)anthracene	50.0	45.5	91.1	6.15		20	40 - 140
Dibenzofuran	50.0	42.4	84.7	10.3		20	40 - 140
Di-n-butylphthalate	50.0	41.5	83.1	4.68		20	40 - 140
1,2-Dichlorobenzene	50.0	27.0	54.0	5.28		20	40 - 140
1,3-Dichlorobenzene	50.0	25.1	50.2	6.76		20	40 - 140
1,4-Dichlorobenzene	50.0	25.8	51.7	6.43		20	40 - 140
3,3-Dichlorobenzidine	50.0	43.4	86.8	7.56		20	40 - 140
2,4-Dichlorophenol	50.0	37.1	74.2	9.94		20	30 - 130
Diethylphthalate	50.0	41.7	83.5	5.79		20	40 - 140
2,4-Dimethylphenol	50.0	37.2	74.4	8.32		20	30 - 130
Dimethylphthalate	50.0	40.3	80.7	5.94		50	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305535	Laboratory ID:	B305535-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	50.0	42.7	85.4	3.97	50	30 - 130
2,4-Dinitrophenol	50.0	40.3	80.6	0.149	50	30 - 130
2,4-Dinitrotoluene	50.0	45.6	91.1	5.34	20	40 - 140
2,6-Dinitrotoluene	50.0	44.8	89.5	6.63	20	40 - 140
Di-n-octylphthalate	50.0	41.2	82.4	4.60	20	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	40.7	81.5	8.26	20	40 - 140
Fluoranthene	50.0	43.5	87.0	6.09	20	40 - 140
Fluorene	50.0	41.0	82.0	9.14	20	40 - 140
Hexachlorobenzene	50.0	41.5	83.0	9.07	20	40 - 140
Hexachlorobutadiene	50.0	26.8	53.7	3.44	20	40 - 140
Hexachlorocyclopentadiene	50.0	27.8	55.7	11.9	50	30 - 140
Hexachloroethane	50.0	23.3	46.6	6.47	50	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	45.1	90.2	8.08	50	40 - 140
Isophorone	50.0	41.8	83.6	7.99	20	40 - 140
1-Methylnaphthalene	50.0	32.6	65.2	8.38	20	40 - 140
2-Methylnaphthalene	50.0	36.4	72.9	9.72	20	40 - 140
2-Methylphenol	50.0	32.9	65.9	5.23	20	30 - 130
3/4-Methylphenol	50.0	32.4	64.8	6.37	20	30 - 130
Naphthalene	50.0	32.7	65.4	3.84	20	40 - 140
2-Nitroaniline	50.0	50.2	100	6.88	20	40 - 140
3-Nitroaniline	50.0	42.7	85.4	3.20	20	40 - 140
4-Nitroaniline	50.0	45.3	90.5	6.04	20	40 - 140
Nitrobenzene	50.0	37.0	74.1	3.71	20	40 - 140
2-Nitrophenol	50.0	35.7	71.4	4.41	20	30 - 130
4-Nitrophenol	50.0	22.6	45.2	4.12	50	10 - 130
N-Nitrosodimethylamine	50.0	23.9	47.8	7.47	20	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	42.2	84.3	9.36	20	40 - 140
N-Nitrosodi-n-propylamine	50.0	36.3	72.5	7.76	20	40 - 140
Pentachloronitrobenzene	50.0	42.4	84.8	6.42	20	40 - 140
Pentachlorophenol	50.0	39.0	77.9	7.92	50	30 - 130
Phenanthrene	50.0	41.9	83.8	7.65	20	40 - 140
Phenol	50.0	15.8	31.7	0.879	20	20 - 130
Pyrene	50.0	41.7	83.3	6.95	20	40 - 140
Pyridine	50.0	12.3	24.6	23.0	50	10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	34.8	69.6	13.6	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305535	Laboratory ID:	B305535-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene	50.0	30.2	60.4	3.67	20	40 - 140
2,4,5-Trichlorophenol	50.0	44.6	89.1	8.32	20	30 - 130
2,4,6-Trichlorophenol	50.0	41.5	82.9	9.95	50	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305646	Laboratory ID:	B305646-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
Acenaphthene	50.0	42.1	84.2		40 - 140
Acenaphthylene	50.0	42.5	85.0		40 - 140
Acetophenone	50.0	40.4	80.7		40 - 140
Aniline	50.0	38.6	77.2		40 - 140
Anthracene	50.0	46.1	92.2		40 - 140
Benzidine	50.0	95.9	192	*	40 - 140
Benzo(a)anthracene	50.0	45.6	91.2		40 - 140
Benzo(a)pyrene	50.0	51.6	103		40 - 140
Benzo(b)fluoranthene	50.0	49.8	99.6		40 - 140
Benzo(g,h,i)perylene	50.0	39.7	79.3		40 - 140
Benzo(k)fluoranthene	50.0	52.7	105		40 - 140
Benzoic Acid	50.0	19.3	38.6		10 - 130
Bis(2-chloroethoxy)methane	50.0	40.9	81.8		40 - 140
Bis(2-chloroethyl)ether	50.0	33.9	67.8		40 - 140
Bis(2-chloroisopropyl)ether	50.0	38.5	77.0		40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	44.8	89.7		40 - 140
4-Bromophenylphenylether	50.0	43.4	86.9		40 - 140
Butylbenzylphthalate	50.0	42.8	85.6		40 - 140
Carbazole	50.0	46.6	93.3		40 - 140
4-Chloroaniline	50.0	45.9	91.9		40 - 140
4-Chloro-3-methylphenol	50.0	41.1	82.3		30 - 130
2-Chloronaphthalene	50.0	39.2	78.5		40 - 140
2-Chlorophenol	50.0	34.5	69.0		30 - 130
4-Chlorophenylphenylether	50.0	43.6	87.2		40 - 140
Chrysene	50.0	44.3	88.6		40 - 140
Dibenz(a,h)anthracene	50.0	39.1	78.2		40 - 140
Dibenzofuran	50.0	46.7	93.3		40 - 140
Di-n-butylphthalate	50.0	44.3	88.6		40 - 140
1,2-Dichlorobenzene	50.0	28.6	57.3		40 - 140
1,3-Dichlorobenzene	50.0	26.1	52.3		40 - 140
1,4-Dichlorobenzene	50.0	27.0	53.9		40 - 140
3,3-Dichlorobenzidine	50.0	48.8	97.7		40 - 140
2,4-Dichlorophenol	50.0	41.4	82.9		30 - 130
Diethylphthalate	50.0	44.6	89.1		40 - 140
2,4-Dimethylphenol	50.0	41.0	82.0		30 - 130
Dimethylphthalate	50.0	42.8	85.7		40 - 140
4,6-Dinitro-2-methylphenol	50.0	43.8	87.6		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305646	Laboratory ID:	B305646-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.	QC LIMITS REC.
2,4-Dinitrophenol	50.0	41.6	83.3	30 - 130
2,4-Dinitrotoluene	50.0	47.3	94.6	40 - 140
2,6-Dinitrotoluene	50.0	48.0	95.9	40 - 140
Di-n-octylphthalate	50.0	49.6	99.1	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	45.2	90.5	40 - 140
Fluoranthene	50.0	46.6	93.3	40 - 140
Fluorene	50.0	44.8	89.6	40 - 140
Hexachlorobenzene	50.0	45.4	90.9	40 - 140
Hexachlorobutadiene	50.0	28.6	57.1	40 - 140
Hexachlorocyclopentadiene	50.0	31.6	63.3	30 - 140
Hexachloroethane	50.0	23.7	47.4	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	38.6	77.1	40 - 140
Isophorone	50.0	46.5	93.1	40 - 140
1-Methylnaphthalene	50.0	35.9	71.8	40 - 140
2-Methylnaphthalene	50.0	41.1	82.2	40 - 140
2-Methylphenol	50.0	35.5	71.0	30 - 130
3/4-Methylphenol	50.0	34.7	69.4	30 - 130
Naphthalene	50.0	36.3	72.7	40 - 140
2-Nitroaniline	50.0	53.9	108	40 - 140
3-Nitroaniline	50.0	44.6	89.2	40 - 140
4-Nitroaniline	50.0	48.0	95.9	40 - 140
Nitrobenzene	50.0	40.5	81.0	40 - 140
2-Nitrophenol	50.0	38.5	77.1	30 - 130
4-Nitrophenol	50.0	22.7	45.4	10 - 130
N-Nitrosodimethylamine	50.0	23.2	46.4	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	46.3	92.6	40 - 140
N-Nitrosodi-n-propylamine	50.0	41.1	82.3	40 - 140
Pentachloronitrobenzene	50.0	47.5	95.1	40 - 140
Pentachlorophenol	50.0	43.9	87.9	30 - 130
Phenanthrene	50.0	46.0	92.0	40 - 140
Phenol	50.0	16.1	32.1	20 - 130
Pyrene	50.0	45.8	91.6	40 - 140
Pyridine	50.0	16.0	31.9	10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	38.5	77.0	40 - 140
1,2,4-Trichlorobenzene	50.0	33.0	65.9	40 - 140
2,4,5-Trichlorophenol	50.0	48.2	96.4	30 - 130
2,4,6-Trichlorophenol	50.0	45.2	90.4	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305646	Laboratory ID:	B305646-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	37.3	74.6		12.1	20	40 - 140
Acenaphthylene	50.0	37.6	75.3		12.1	20	40 - 140
Acetophenone	50.0	36.0	72.1		11.3	20	40 - 140
Aniline	50.0	33.2	66.5		14.9	50	40 - 140
Anthracene	50.0	39.4	78.7		15.8	20	40 - 140
Benzidine	50.0	86.8	174	*	9.92	20	40 - 140
Benzo(a)anthracene	50.0	39.8	79.7		13.5	20	40 - 140
Benzo(a)pyrene	50.0	43.7	87.3		16.6	20	40 - 140
Benzo(b)fluoranthene	50.0	42.2	84.4		16.5	20	40 - 140
Benzo(g,h,i)perylene	50.0	34.7	69.4		13.4	20	40 - 140
Benzo(k)fluoranthene	50.0	44.5	89.0		16.9	20	40 - 140
Benzoic Acid	50.0	15.7	31.3		20.8	50	10 - 130
Bis(2-chloroethoxy)methane	50.0	35.2	70.4		15.0	20	40 - 140
Bis(2-chloroethyl)ether	50.0	31.0	61.9		9.04	20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	34.3	68.5		11.6	20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	38.4	76.8		15.5	20	40 - 140
4-Bromophenylphenylether	50.0	37.2	74.4		15.5	20	40 - 140
Butylbenzylphthalate	50.0	36.8	73.5		15.1	20	40 - 140
Carbazole	50.0	39.8	79.6		15.8	20	40 - 140
4-Chloroaniline	50.0	39.8	79.6		14.4	20	40 - 140
4-Chloro-3-methylphenol	50.0	35.6	71.1		14.5	20	30 - 130
2-Chloronaphthalene	50.0	33.0	65.9		17.4	20	40 - 140
2-Chlorophenol	50.0	31.4	62.8		9.50	20	30 - 130
4-Chlorophenylphenylether	50.0	38.8	77.6		11.6	20	40 - 140
Chrysene	50.0	39.0	78.1		12.6	20	40 - 140
Dibenz(a,h)anthracene	50.0	35.1	70.3		10.7	20	40 - 140
Dibenzofuran	50.0	41.2	82.4		12.5	20	40 - 140
Di-n-butylphthalate	50.0	37.6	75.2		16.3	20	40 - 140
1,2-Dichlorobenzene	50.0	28.2	56.3		1.73	20	40 - 140
1,3-Dichlorobenzene	50.0	26.0	52.1		0.383	20	40 - 140
1,4-Dichlorobenzene	50.0	26.8	53.7		0.520	20	40 - 140
3,3-Dichlorobenzidine	50.0	43.7	87.4		11.1	20	40 - 140
2,4-Dichlorophenol	50.0	36.6	73.1		12.5	20	30 - 130
Diethylphthalate	50.0	38.5	77.0		14.6	20	40 - 140
2,4-Dimethylphenol	50.0	36.3	72.6		12.1	20	30 - 130
Dimethylphthalate	50.0	37.4	74.8		13.6	50	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305646	Laboratory ID:	B305646-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	50.0	37.4	74.8	15.7	50	30 - 130
2,4-Dinitrophenol	50.0	35.1	70.2	17.0	50	30 - 130
2,4-Dinitrotoluene	50.0	41.2	82.5	13.7	20	40 - 140
2,6-Dinitrotoluene	50.0	41.3	82.6	15.0	20	40 - 140
Di-n-octylphthalate	50.0	41.4	82.7	18.0	20	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	38.2	76.3	17.0	20	40 - 140
Fluoranthene	50.0	39.7	79.5	16.0	20	40 - 140
Fluorene	50.0	39.6	79.2	12.3	20	40 - 140
Hexachlorobenzene	50.0	40.2	80.3	12.3	20	40 - 140
Hexachlorobutadiene	50.0	28.6	57.3	0.245	20	40 - 140
Hexachlorocyclopentadiene	50.0	30.9	61.8	2.40	50	30 - 140
Hexachloroethane	50.0	24.4	48.9	3.03	50	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	34.4	68.8	11.4	50	40 - 140
Isophorone	50.0	39.5	79.1	16.2	20	40 - 140
1-Methylnaphthalene	50.0	32.5	65.0	10.0	20	40 - 140
2-Methylnaphthalene	50.0	36.9	73.9	10.6	20	40 - 140
2-Methylphenol	50.0	31.7	63.4	11.3	20	30 - 130
3/4-Methylphenol	50.0	29.9	59.8	14.8	20	30 - 130
Naphthalene	50.0	33.3	66.6	8.70	20	40 - 140
2-Nitroaniline	50.0	45.4	90.8	17.1	20	40 - 140
3-Nitroaniline	50.0	39.5	79.0	12.2	20	40 - 140
4-Nitroaniline	50.0	41.4	82.7	14.8	20	40 - 140
Nitrobenzene	50.0	35.6	71.1	13.1	20	40 - 140
2-Nitrophenol	50.0	34.6	69.1	10.8	20	30 - 130
4-Nitrophenol	50.0	19.4	38.8	15.6	50	10 - 130
N-Nitrosodimethylamine	50.0	21.2	42.4	8.92	20	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	40.2	80.3	14.1	20	40 - 140
N-Nitrosodi-n-propylamine	50.0	35.3	70.7	15.2	20	40 - 140
Pentachloronitrobenzene	50.0	40.2	80.3	16.8	20	40 - 140
Pentachlorophenol	50.0	38.0	76.1	14.3	50	30 - 130
Phenanthrene	50.0	39.2	78.4	15.9	20	40 - 140
Phenol	50.0	14.2	28.4	12.3	20	20 - 130
Pyrene	50.0	39.8	79.6	14.0	20	40 - 140
Pyridine	50.0	15.0	29.9	6.40	50	10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	36.3	72.5	5.99	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B305646	Laboratory ID:	B305646-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,4-Trichlorobenzene	50.0	31.7	63.4	3.84	20	40 - 140
2,4,5-Trichlorophenol	50.0	42.8	85.7	11.8	20	30 - 130
2,4,6-Trichlorophenol	50.0	40.2	80.5	11.6	50	30 - 130

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Blank ID:	B305535-BLK1 Batch: B305535	Prepared:	04/12/2022 07:16

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
907017-MW-113S	22D0541-03	D22S103025.D	20:01
907017-DUP-04062022	22D0541-04	D22S103026.D	20:26
907017-MW-101	22D0541-05	D22S103027.D	20:50
907017-MW-114S	22D0541-08	D22S103028.D	21:14
907017-MW-115S	22D0541-09	D22S103029.D	21:38
LCS	B305535-BS1	D22S104015.D	13:41
LCS Dup	B305535-BSD1	D22S104016.D	14:05
907017-MW-102I	22D0541-10	D22S104034.D	21:23
907017-MW-102S	22D0541-11	D22S104035.D	21:47
907017-MW-117D	22D0541-12	D22S104036.D	22:12
907017-MW-117I	22D0541-13	D22S104037.D	22:37
907017-RB-04052022	22D0541-16	D22S104038.D	23:02
907017-FB-04052022	22D0541-17	D22S104039.D	23:27

4 - FORM IV
METHOD BLANK SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Blank ID:	B305646-BLK1 Batch: B305646	Prepared:	04/13/2022 07:43

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B305646-BS1	D22S104003.D	08:25
LCS Dup	B305646-BSD1	D22S104004.D	08:50
907017-MW-116S	22D0541-01	D22S105021.D	16:03
907017-MW-109S	22D0541-02	D22S105022.D	16:30
907017-MW-117S	22D0541-06	C2210607.D	11:52
907017-MW-118S	22D0541-07	C2210608.D	12:19
Matrix Spike Dup	B305646-MSD1	D22S108014.D	15:35
907017-MW-109I	22D0541-14	D22S108015.D	16:00
907017-MW-109D	22D0541-15	D22S108016.D	16:25
Matrix Spike	B305646-MS1	D22S108017.D	16:51
907017-RB-04062022	22D0541-18	D22S108018.D	17:16
907017-FB-04062022	22D0541-19	D22S108019.D	17:41

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	C2205401.D	Injection Date:	02/23/22
Instrument ID:	GCMSSV3	Injection Time:	06:57
Sequence:	S069429	Lab Sample ID:	S069429-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	1.52	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.486	PASS
197	Less than 2% of 198	0.156	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.74	PASS
365	1 - 100% of 198	2.69	PASS
441	Less than 150% of 443	79.7	PASS
442	Less than 100% of 198	72.6	PASS
443	15 - 24% of 442	20.1	PASS

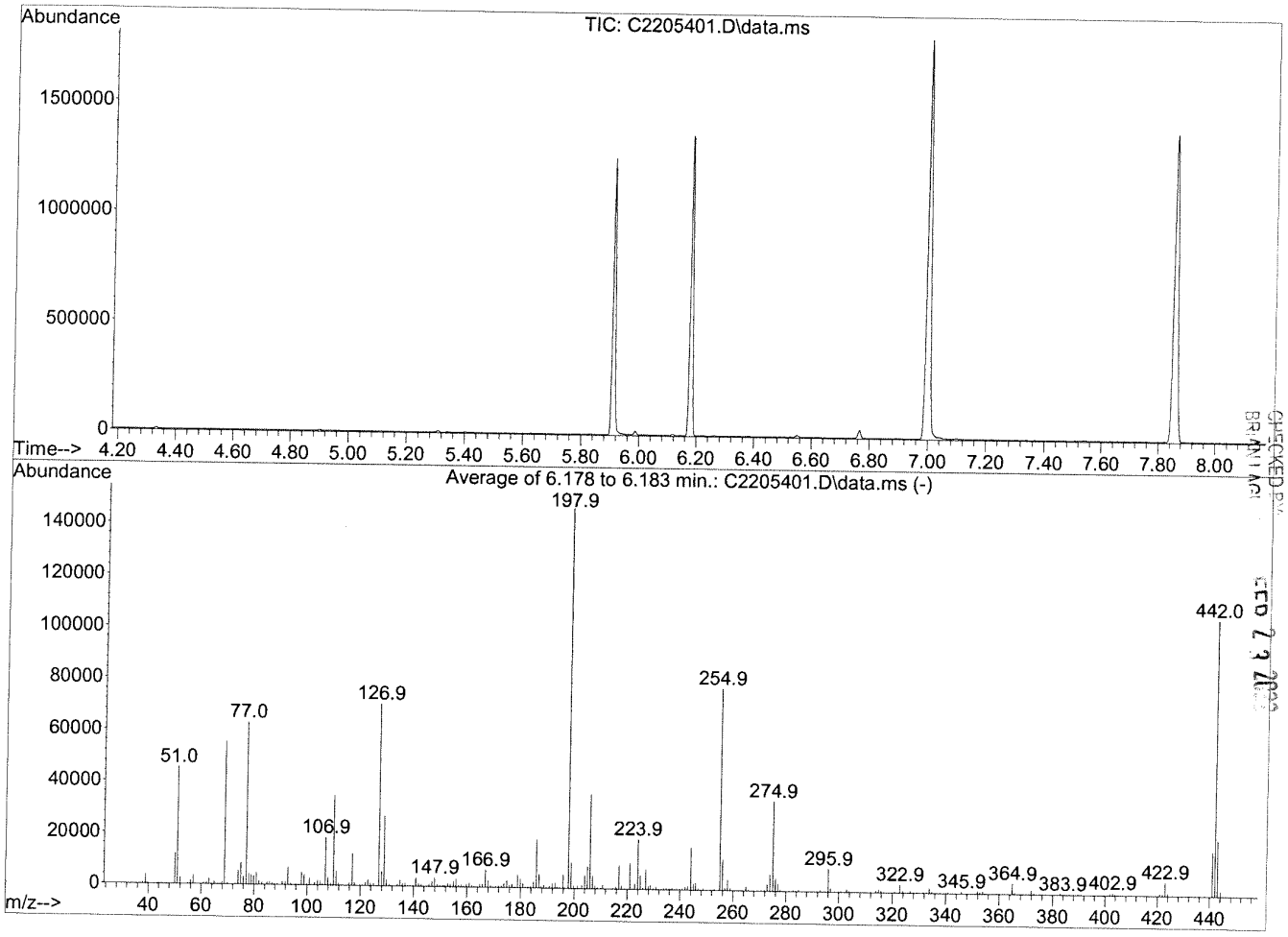
Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
2	S069429-CAL8	C2205403.D	02/23/2022	7:49:00
5	S069429-CAL1	C2205404.D	02/23/2022	8:16:00
10	S069429-CAL2	C2205405.D	02/23/2022	8:43:00
20	S069429-CAL3	C2205406.D	02/23/2022	9:10:00
50	S069429-CAL4	C2205407.D	02/23/2022	9:37:00
80	S069429-CAL5	C2205408.D	02/23/2022	10:04:00
100	S069429-CAL6	C2205409.D	02/23/2022	10:31:00
120	S069429-CAL7	C2205410.D	02/23/2022	10:58:00
160	S069429-CALA	C2205411.D	02/23/2022	11:25:00
ICV 50	S069429-ICV1	C2205412.D	02/23/2022	11:52:00

DFTPP

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPPE.M
Title : dftpp
Last Update : Thu Mar 10 13:31:06 2016



AutoFind: Scans 1687, 1688, 1689; Background Corrected with Scan 1679

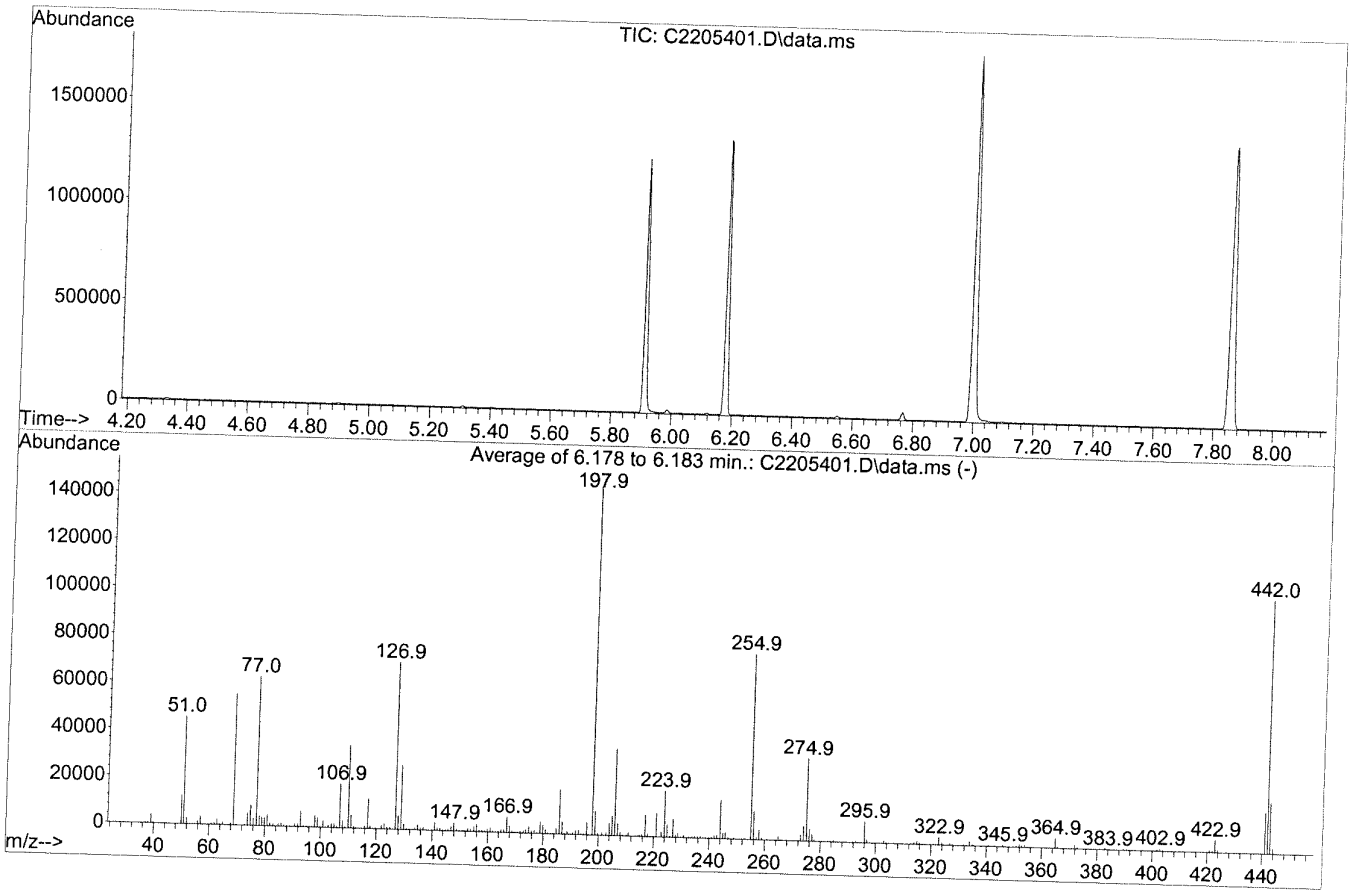
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	840	PASS
69	69	100	100	100.0	55313	PASS
70	69	0.00	2	0.5	269	PASS
197	198	0.00	2	0.2	229	PASS
198	198	100	100	100.0	147229	PASS
199	198	5	9	6.7	9926	PASS
365	198	1	100	2.7	3955	PASS
441	443	0.01	150	79.7	17143	PASS
442	198	50	100	72.6	106883	PASS
443	442	15	24	20.1	21507	PASS

DFTPP

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPPD.M
Title : dftpp
Last Update : Thu Mar 10 13:31:06 2016



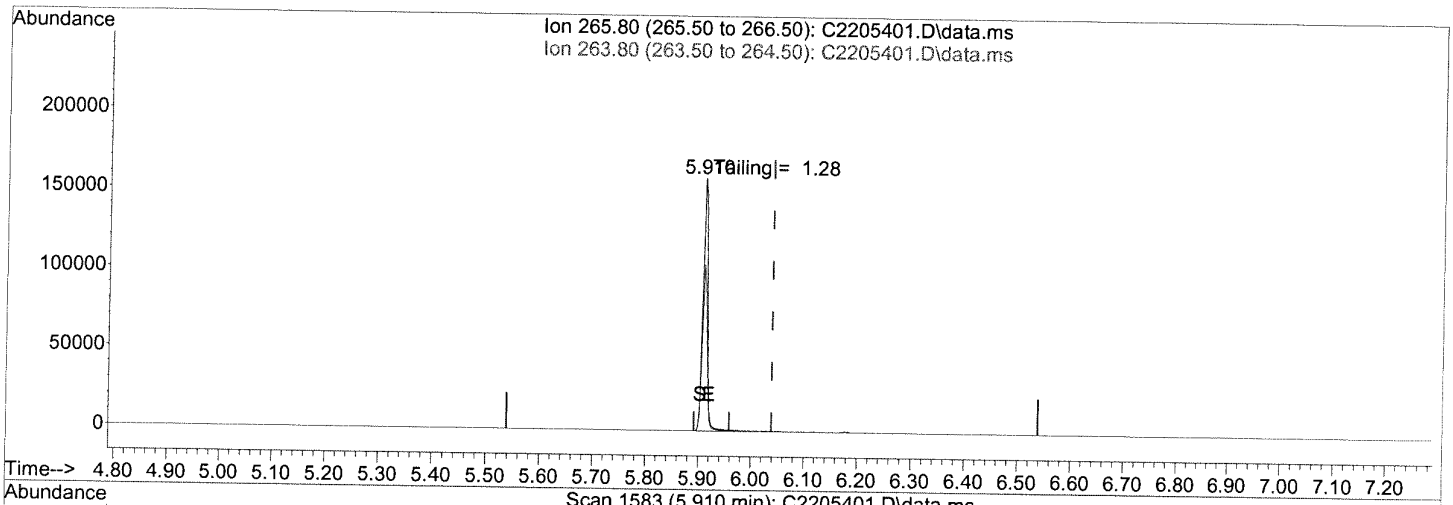
AutoFind: Scans 1687, 1688, 1689; Background Corrected with Scan 1679

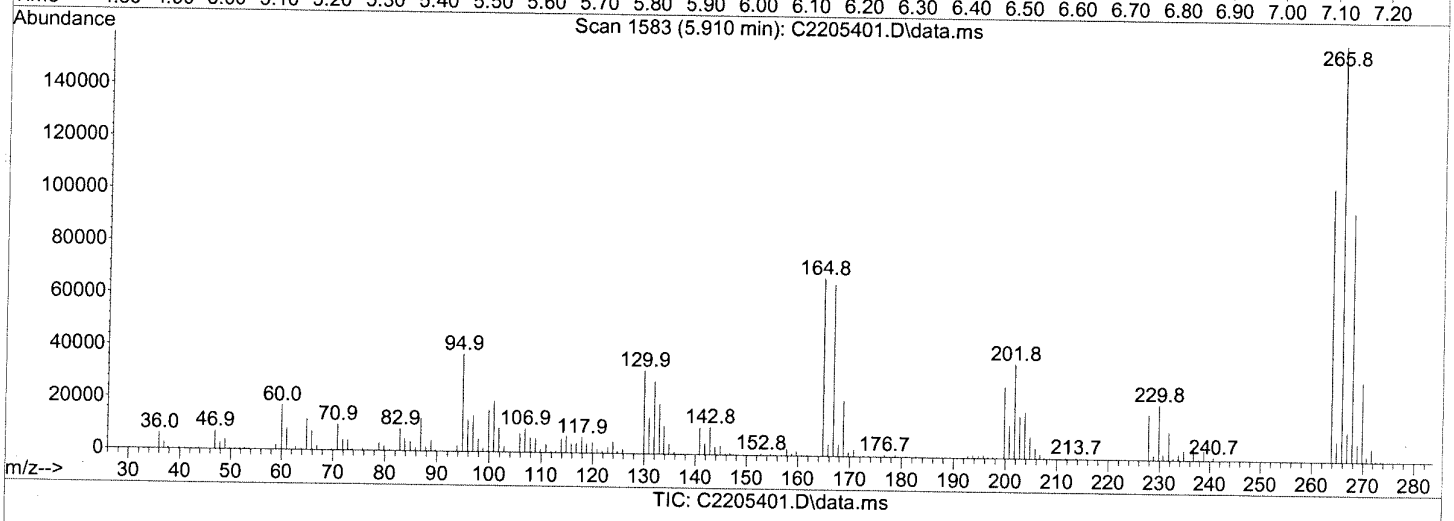
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.7	45270	PASS
68	69	0.00	2	1.5	840	PASS
69	69	100	100	100.0	55313	PASS
70	69	0.00	2	0.5	269	PASS
127	198	10	80	47.9	70515	PASS
197	198	0.00	2	0.2	229	PASS
198	198	100	100	100.0	147229	PASS
199	198	5	9	6.7	9926	PASS
275	198	10	60	23.5	34579	PASS
365	198	1	100	2.7	3955	PASS
441	442	0.01	24	16.0	17143	PASS
442	198	50	100	72.6	106883	PASS
443	442	15	24	20.1	21507	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24 Inst : GCMSSV3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 14:55:54 2022
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : dftpp
QLast Update : Thu Mar 10 13:31:06 2016
Response via : Initial Calibration





TIC: C2205401.D\data.ms

(1) Pentachlorophenol

5.910min (-0.129) 42.35

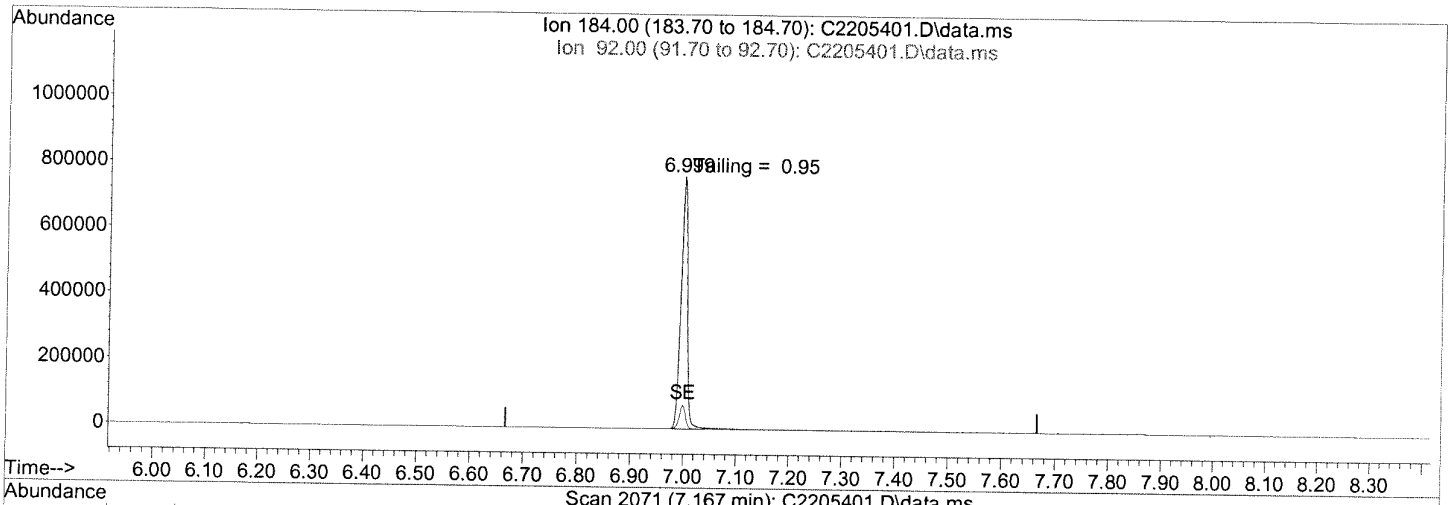
response 101978

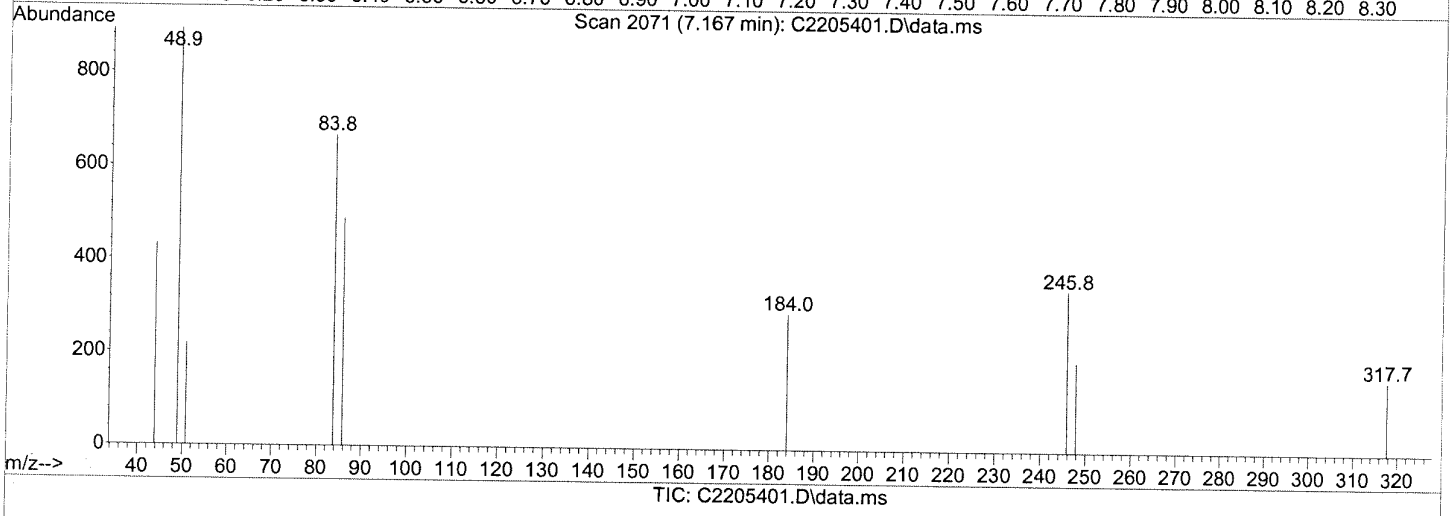
Ion	Exp%	Act%
265.80	100.00	100.00
263.80	64.90	63.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24 Inst : GCMSSV3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 14:55:54 2022
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : dftpp
QLast Update : Thu Mar 10 13:31:06 2016
Response via : Initial Calibration





(3) Benzidine

7.167min (-7.167) 0.00

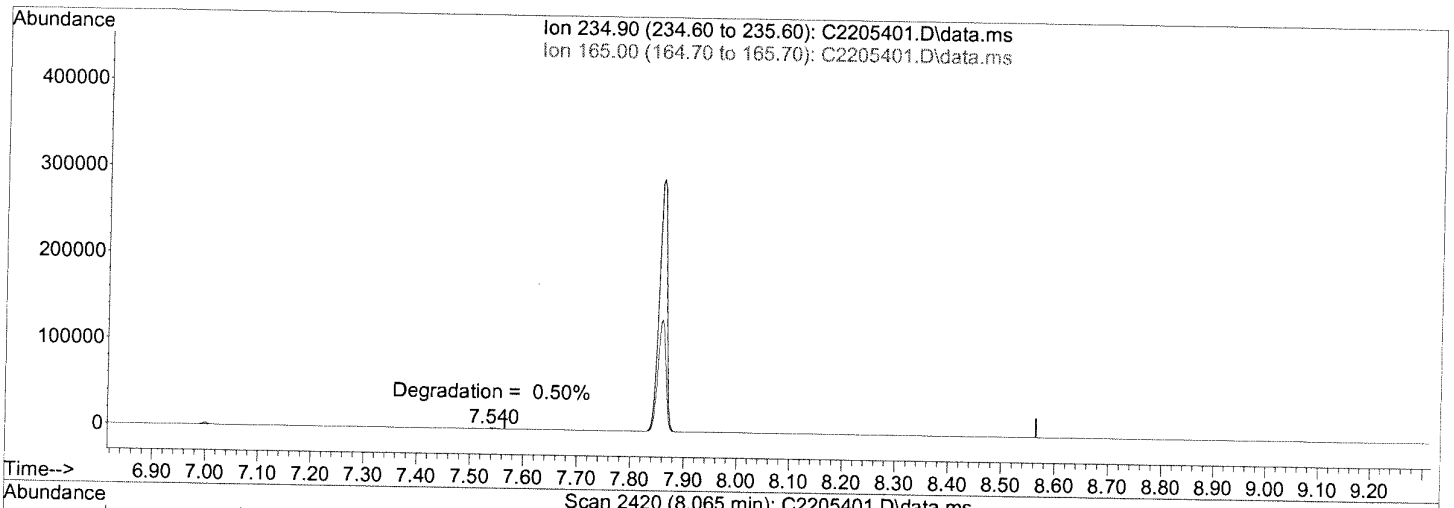
response 0

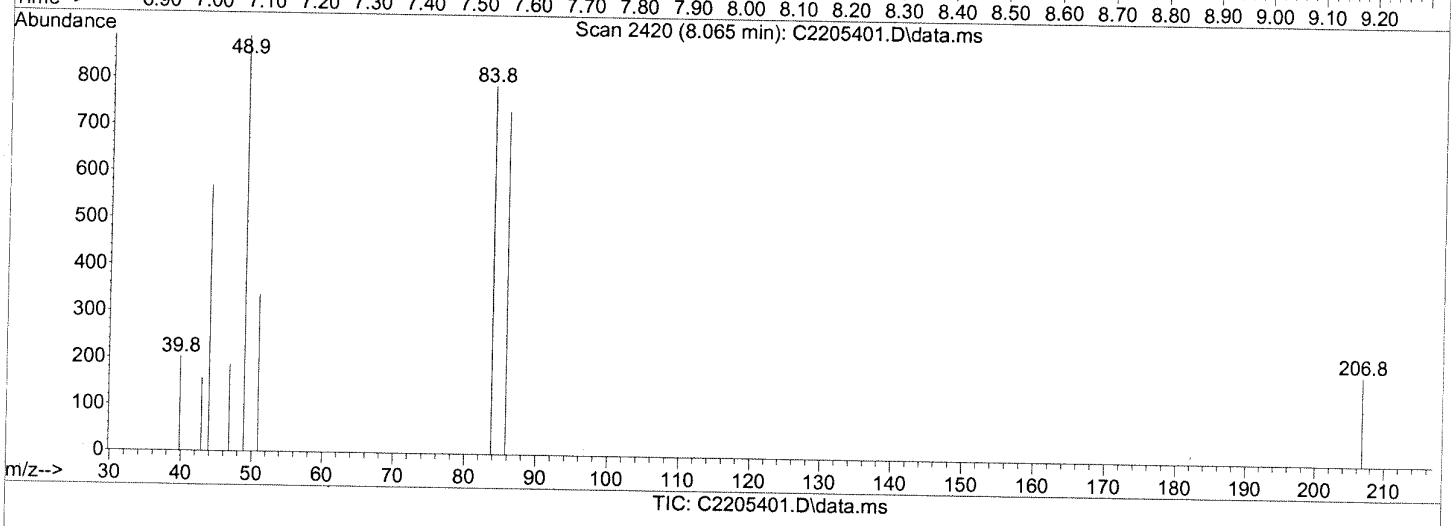
Ion	Exp%	Act%
184.00	100.00	0.00
92.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24 Inst : GCMSSV3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 14:55:54 2022
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : dftpp
QLast Update : Thu Mar 10 13:31:06 2016
Response via : Initial Calibration





(4) DDT

8.065min (-8.065) 0.00

response 0

Ion	Exp%	Act%
234.90	100.00	0.00
165.00	39.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	D22S094001.D	Injection Date:	04/04/22
Instrument ID:	GCMSSV4	Injection Time:	08:41
Sequence:	S070338	Lab Sample ID:	S070338-TUN1

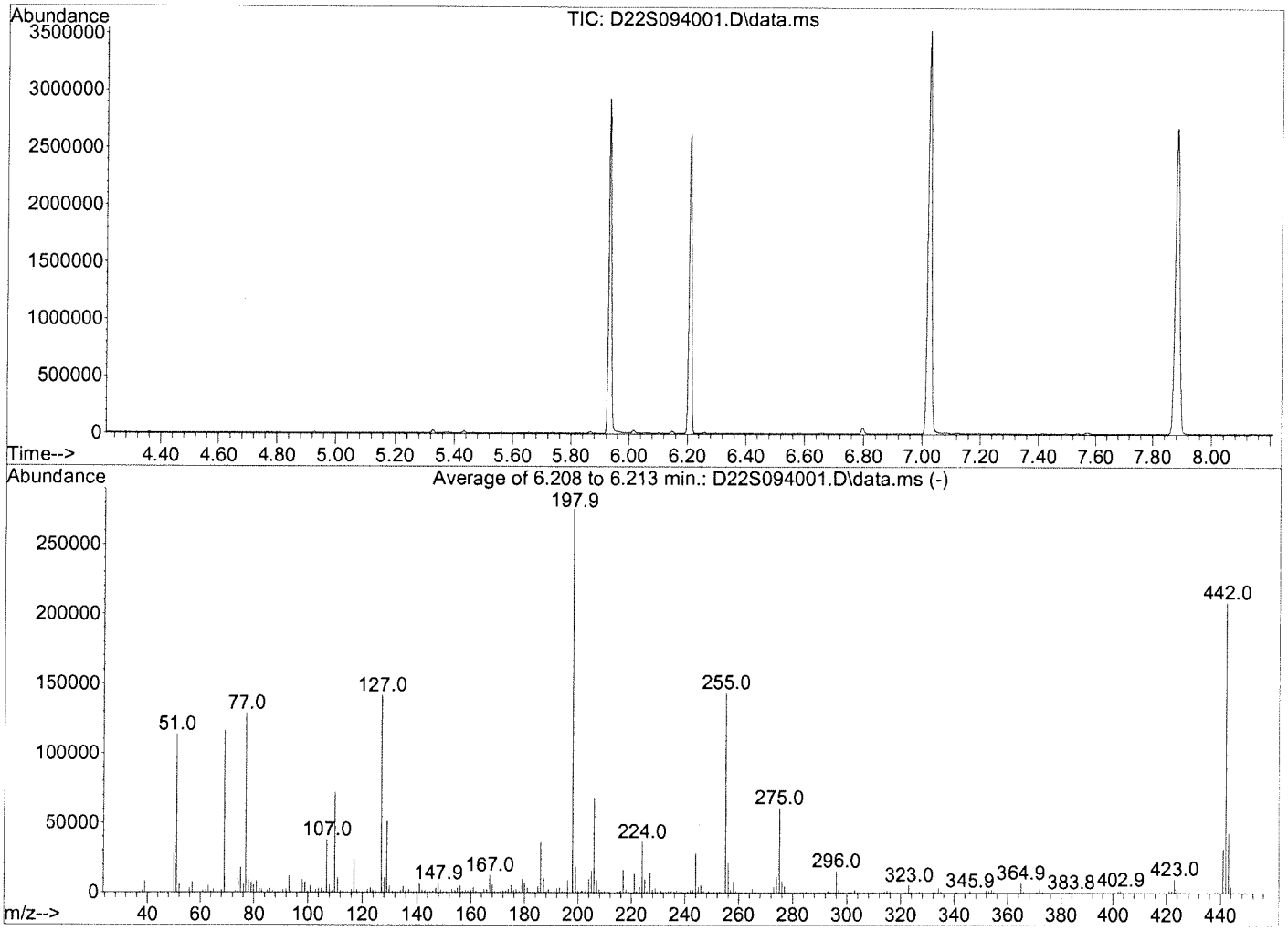
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	1.49	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.505	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.72	PASS
365	1 - 100% of 198	2.43	PASS
441	Less than 150% of 443	73.2	PASS
442	Less than 100% of 198	75.5	PASS
443	15 - 24% of 442	20.5	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
2	S070338-CAL8	D22S094013.D	04/04/2022	13:43:00
5	S070338-CAL1	D22S094014.D	04/04/2022	14:08:00
10	S070338-CAL2	D22S094015.D	04/04/2022	14:32:00
20	S070338-CAL3	D22S094016.D	04/04/2022	14:56:00
50	S070338-CAL4	D22S094017.D	04/04/2022	15:21:00
80	S070338-CAL5	D22S094018.D	04/04/2022	15:45:00
100	S070338-CAL6	D22S094019.D	04/04/2022	16:10:00
120	S070338-CAL7	D22S094020.D	04/04/2022	16:34:00
160	S070338-CALA	D22S094021.D	04/04/2022	16:59:00
ICV 50	S070338-ICV1	D22S094022.D	04/04/2022	17:23:00

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPE.M
Title : dftpp svms4 merge method C Criteria
Last Update : Sat Mar 14 15:39:58 2009



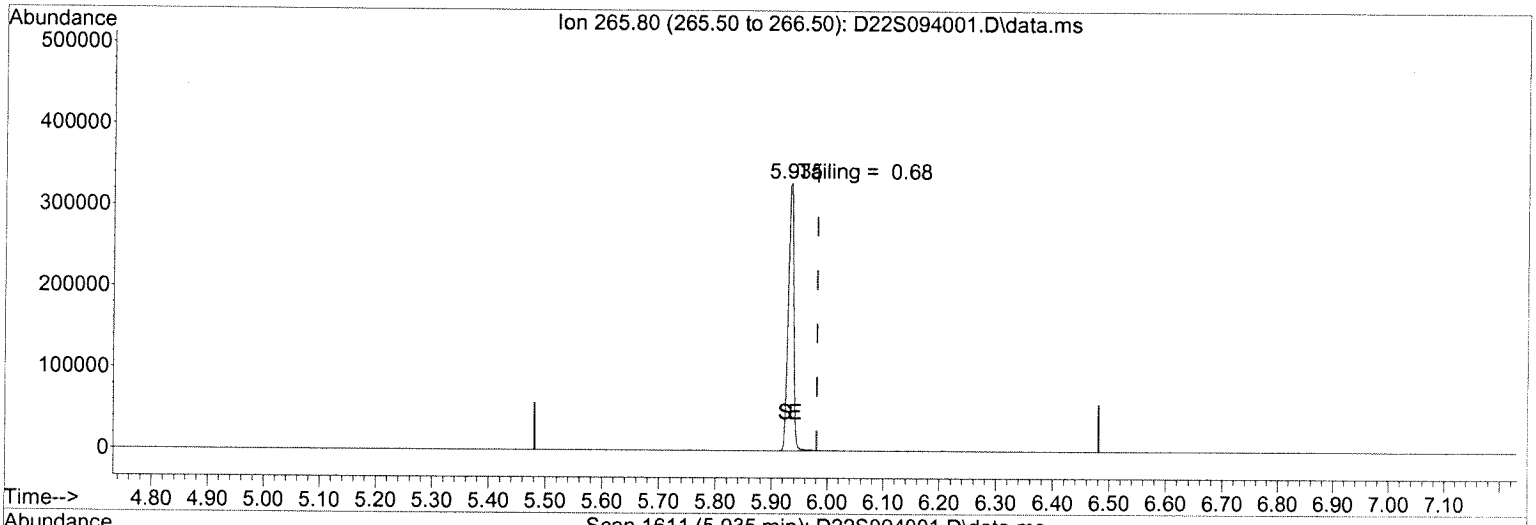
AutoFind: Scans 1717, 1718, 1719; Background Corrected with Scan 1709

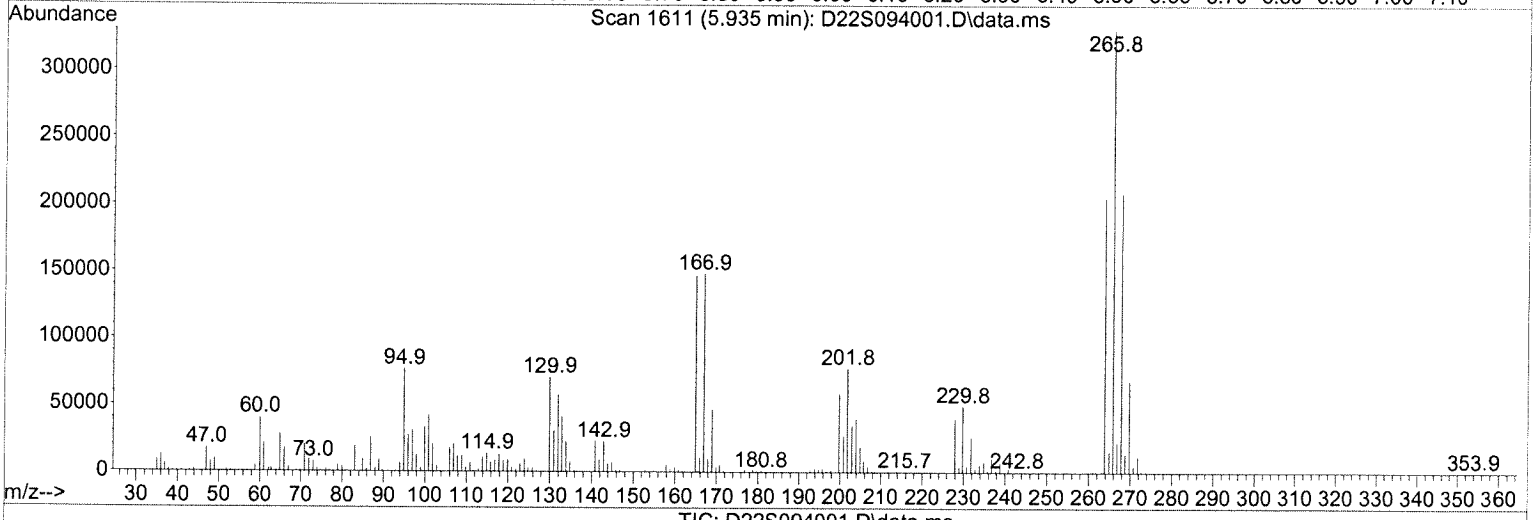
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	1723	PASS
69	69	100	100	100.0	115922	PASS
70	69	0.00	2	0.5	585	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	276352	PASS
199	198	5	9	6.7	18561	PASS
365	198	1	100	2.4	6705	PASS
441	443	0.01	150	73.2	31336	PASS
442	198	0.01	100	75.5	208597	PASS
443	442	15	24	20.5	42808	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 05 11:07:04 2022
Quant Method : C:\msdchem\1\METHODS\DFTPPE.M
DataAcq Meth:BND04022.M
Quant Title : dftpp svms4 merge method C Criteria
QLast Update : Mon Jul 12 16:04:12 2021
Response via : Initial Calibration





TIC: D22S094001.D\data.ms

(1) Pentachlorophenol

5.935min (-0.046) 0.00

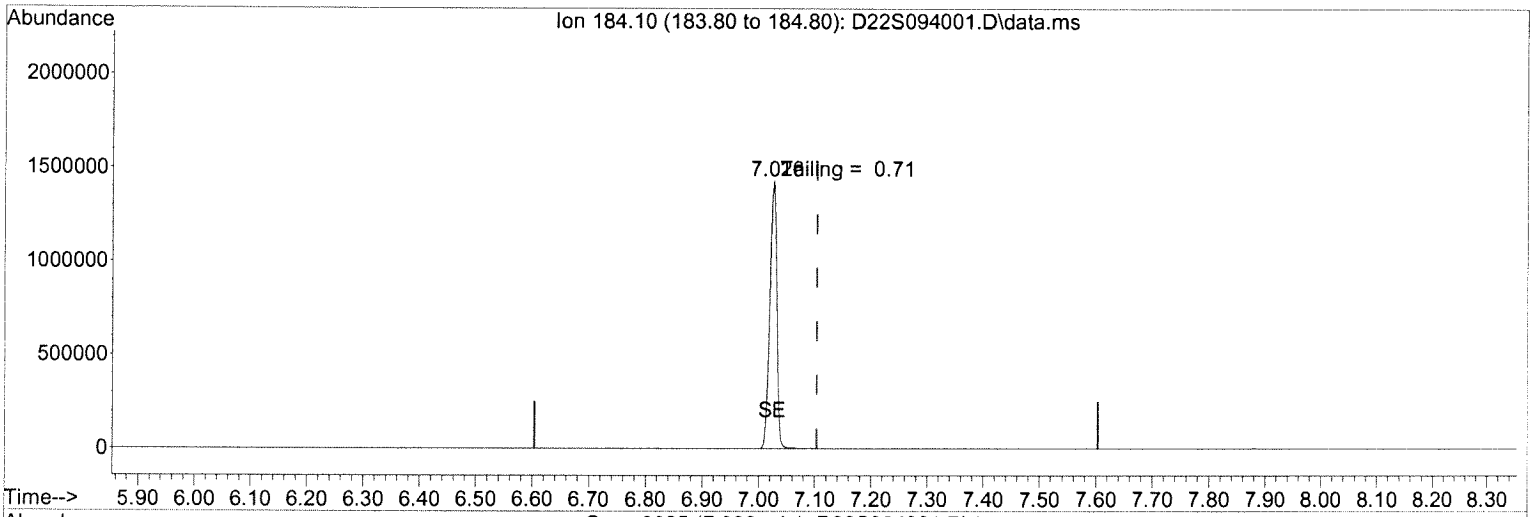
response 221710

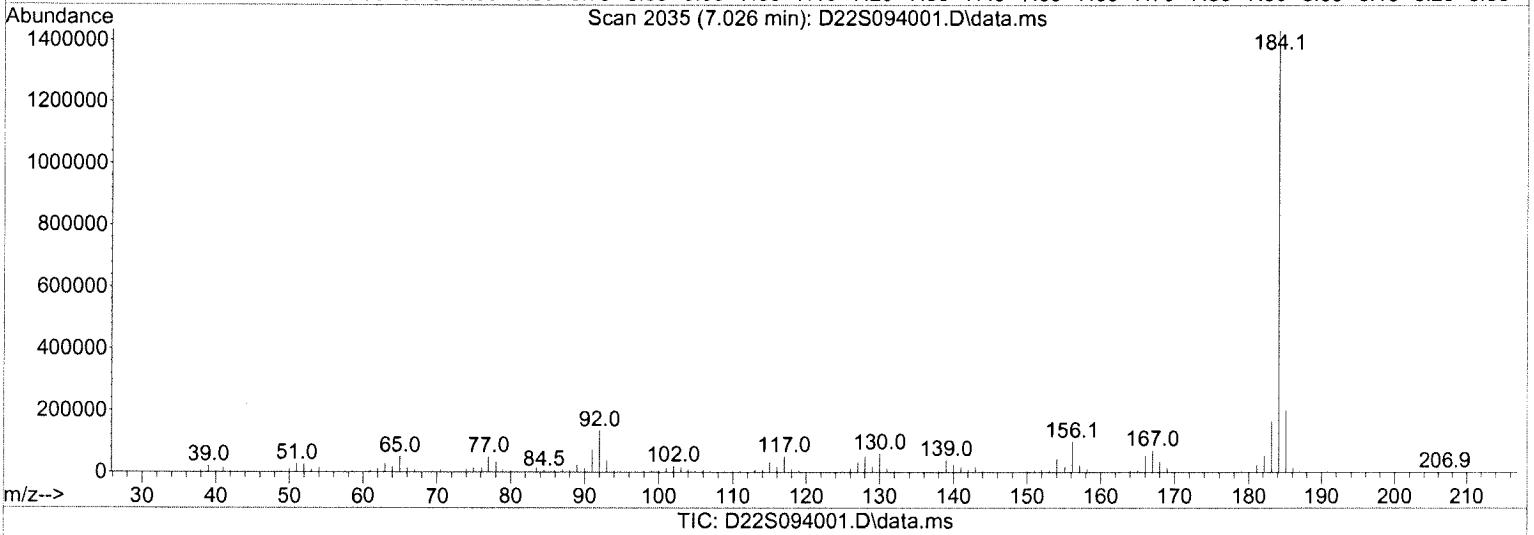
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 05 11:07:04 2022
Quant Method : C:\msdchem\1\METHODS\DFTPPE.M
DataAcq Meth:BND04022.M
Quant Title : dftpp svms4 merge method C Criteria
QLast Update : Mon Jul 12 16:04:12 2021
Response via : Initial Calibration





TIC: D22S094001.D\data.ms

(3) benzidine

7.026min (-0.077) 0.00

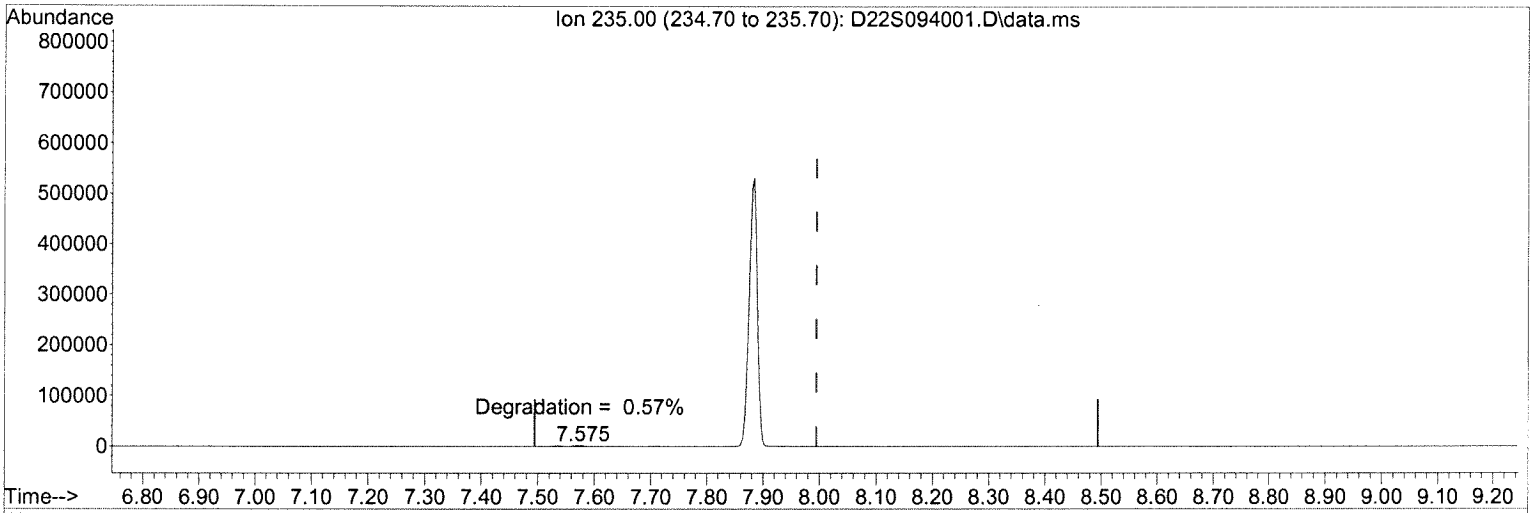
response 1236763

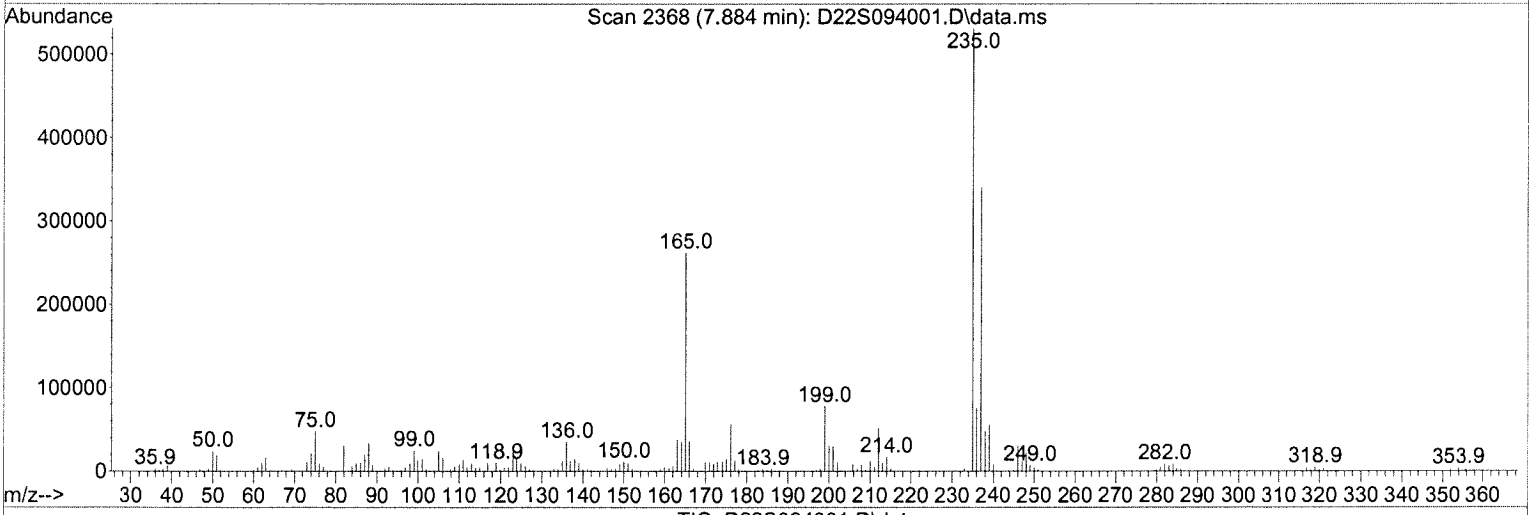
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 05 11:07:04 2022
Quant Method : C:\msdchem\1\METHODS\DFTPPE.M
DataAcq Meth:BND04022.M
Quant Title : dftpp svms4 merge method C Criteria
QLast Update : Mon Jul 12 16:04:12 2021
Response via : Initial Calibration





TIC: D22S094001.D\data.ms

(4) DDT

7.884min (-0.111) 0.00

response 532630

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	D22S103001.D	Injection Date:	04/13/22
Instrument ID:	GCMSSV4	Injection Time:	09:41
Sequence:	S070357	Lab Sample ID:	S070357-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	1.11	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.302	PASS
197	Less than 2% of 198	0.191	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.79	PASS
365	1 - 100% of 198	2.28	PASS
441	Less than 150% of 443	76.3	PASS
442	Less than 100% of 198	57.5	PASS
443	15 - 24% of 442	20.5	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070357-CCV1	D22S103002.D	04/13/2022	10:06:00
907017-MW-113S	22D0541-03	D22S103025.D	04/13/2022	20:01:00
907017-DUP-04062022	22D0541-04	D22S103026.D	04/13/2022	20:26:00
907017-MW-101	22D0541-05	D22S103027.D	04/13/2022	20:50:00
907017-MW-114S	22D0541-08	D22S103028.D	04/13/2022	21:14:00
907017-MW-115S	22D0541-09	D22S103029.D	04/13/2022	21:38:00

File Not Found: Sequence\S\S070357-TUN1_D22S103001.D.pdf

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	D22S104001.D	Injection Date:	04/14/22
Instrument ID:	GCMSSV4	Injection Time:	07:14
Sequence:	S070384	Lab Sample ID:	S070384-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	1.41	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.582	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.72	PASS
365	1 - 100% of 198	2.35	PASS
441	Less than 150% of 443	73.7	PASS
442	Less than 100% of 198	64	PASS
443	15 - 24% of 442	20.8	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070384-CCV1	D22S104002.D	04/14/2022	7:39:00
LCS	B305646-BS1	D22S104003.D	04/14/2022	8:25:00
LCS Dup	B305646-BSD1	D22S104004.D	04/14/2022	8:50:00
Blank	B305646-BLK1	D22S104005.D	04/14/2022	9:14:00

File Not Found: Sequence\S\S070384-TUN1_D22S104001.D.pdf

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	D22S104012.D	Injection Date:	04/14/22
Instrument ID:	GCMSSV4	Injection Time:	12:25
Sequence:	S070405	Lab Sample ID:	S070405-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	1.29	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.42	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.69	PASS
365	1 - 100% of 198	2.24	PASS
441	Less than 150% of 443	75.2	PASS
442	Less than 100% of 198	61.6	PASS
443	15 - 24% of 442	20.8	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070405-CCV1	D22S104013.D	04/14/2022	12:50:00
LCS	B305535-BS1	D22S104015.D	04/14/2022	13:41:00
LCS Dup	B305535-BSD1	D22S104016.D	04/14/2022	14:05:00
Blank	B305535-BLK1	D22S104017.D	04/14/2022	14:29:00
907017-MW-102I	22D0541-10	D22S104034.D	04/14/2022	21:23:00
907017-MW-102S	22D0541-11	D22S104035.D	04/14/2022	21:47:00
907017-MW-117D	22D0541-12	D22S104036.D	04/14/2022	22:12:00
907017-MW-117I	22D0541-13	D22S104037.D	04/14/2022	22:37:00
907017-RB-04052022	22D0541-16	D22S104038.D	04/14/2022	23:02:00
907017-FB-04052022	22D0541-17	D22S104039.D	04/14/2022	23:27:00

File Not Found: Sequence\S\S070405-TUN1_D22S104012.D.pdf

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	D22S105001.D	Injection Date:	04/15/22
Instrument ID:	GCMSSV4	Injection Time:	07:48
Sequence:	S070424	Lab Sample ID:	S070424-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	0.591	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.87	PASS
365	1 - 100% of 198	2.44	PASS
441	Less than 150% of 443	72.8	PASS
442	Less than 100% of 198	69.4	PASS
443	15 - 24% of 442	20.5	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070424-CCV1	D22S105002.D	04/15/2022	8:14:00
907017-MW-116S	22D0541-01	D22S105021.D	04/15/2022	16:03:00
907017-MW-109S	22D0541-02	D22S105022.D	04/15/2022	16:30:00

File Not Found: Sequence\S\S070424-TUN1_D22S105001.D.pdf

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	C2210601.D	Injection Date:	04/16/22
Instrument ID:	GCMSSV3	Injection Time:	09:09
Sequence:	S070490	Lab Sample ID:	S070490-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	0.56	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.423	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.42	PASS
365	1 - 100% of 198	2.84	PASS
441	Less than 150% of 443	74.8	PASS
442	Less than 100% of 198	73.2	PASS
443	15 - 24% of 442	20.2	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070490-CCV1	C2210602.D	04/16/2022	9:35:00
907017-MW-117S	22D0541-06	C2210607.D	04/16/2022	11:52:00
907017-MW-118S	22D0541-07	C2210608.D	04/16/2022	12:19:00

File Not Found: Sequence\S\S070490-TUN1_C2210601.D.pdf

5 - FORM V
INSTRUMENT PERFORMANCE CHECK

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Lab File ID:	D22S108001.D	Injection Date:	04/18/22
Instrument ID:	GCMSSV4	Injection Time:	10:10
Sequence:	S070527	Lab Sample ID:	S070527-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
68	Less than 2% of 69	1.55	PASS
69	Base peak, 100% relative abundance	100	PASS
70	Less than 2% of 69	0.405	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.76	PASS
365	1 - 100% of 198	2.4	PASS
441	Less than 150% of 443	70.2	PASS
442	Less than 100% of 198	67.7	PASS
443	15 - 24% of 442	21.1	PASS

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S070527-CCV1	D22S108004.D	04/18/2022	11:23:00
Matrix Spike Dup	B305646-MSD1	D22S108014.D	04/18/2022	15:35:00
907017-MW-109I	22D0541-14	D22S108015.D	04/18/2022	16:00:00
907017-MW-109D	22D0541-15	D22S108016.D	04/18/2022	16:25:00
Matrix Spike	B305646-MS1	D22S108017.D	04/18/2022	16:51:00
907017-RB-04062022	22D0541-18	D22S108018.D	04/18/2022	17:16:00
907017-FB-04062022	22D0541-19	D22S108019.D	04/18/2022	17:41:00

File Not Found: Sequence\S\S070527-TUN1_D22S108001.D.pdf

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200130 Instrument: GCMSSV3

Calibration Date: 2/23/2022 6:57:32AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acenaphthene	5	1.184065	10	1.399713	20	1.346074	50	1.341448	80	1.356096	100	1.437324
Acenaphthylene	5	1.850366	10	2.074117	20	2.048663	50	2.001931	80	2.01381	100	2.092592
Acetophenone	5	2.078052	10	2.417873	20	2.345057	50	2.147136	80	2.072892	100	2.177372
Aniline	5	0.595466	10	0.6855373	20	0.6393816	50	0.5400291	80	0.4780118	100	0.5348932
Anthracene	5	1.106531	10	1.298484	20	1.259158	50	1.214755	80	1.239211	100	1.260708
Benzidine	5	0.2636751	10	0.361212	20	0.2178175	50	0.1195017	80	8.876353E-02		
Benzo(a)anthracene	5	1.290346	10	1.505159	20	1.442826	50	1.419248	80	1.406376	100	1.473945
Benzo(a)pyrene	5	1.094545	10	1.28263	20	1.264287	50	1.275341	80	1.297714	100	1.375063
Benzo(b)fluoranthene	5	1.278397	10	1.467834	20	1.459067	50	1.483857	80	1.526707	100	1.620165
Benzo(g,h,i)perylene	5	1.029671	10	1.209389	20	1.197613	50	1.195414	80	1.144289	100	1.057838
Benzo(k)fluoranthene	5	1.130862	10	1.315693	20	1.306101	50	1.303777	80	1.337952	100	1.379969
Benzoic Acid			10	0.1817256	20	0.2013811	50	0.2277603	80	0.2352348	100	0.2574964
Bis(2-chloroethoxy)methane	5	0.4005435	10	0.4533893	20	0.4608434	50	0.4358153	80	0.4401966	100	0.4581939
Bis(2-chloroethyl)ether	5	0.921462	10	1.049313	20	1.009236	50	1.007204	80	0.9873892	100	0.9619105
Bis(2-chloroisopropyl)ether	5	1.409015	10	1.604453	20	1.514591	50	1.394916	80	1.330892	100	1.37103
Bis(2-Ethylhexyl)phthalate	5	0.8133949	10	0.9508946	20	0.9289468	50	0.9221016	80	0.9333509	100	0.9678805
4-Bromophenylphenylether	5	0.2065402	10	0.2397199	20	0.2443914	50	0.2348222	80	0.2423849	100	0.2526445
Butylbenzylphthalate	5	0.5838583	10	0.7052072	20	0.6789397	50	0.6663878	80	0.6807736	100	0.6923676
Carbazole	5	1.024612	10	1.188519	20	1.133639	50	1.136686	80	1.160225	100	1.202371
4-Chloroaniline	5	0.379796	10	0.44483	20	0.4221148	50	0.3936819	80	0.3523382	100	0.3867788
4-Chloro-3-methylphenol	5	0.3054557	10	0.3607559	20	0.3538258	50	0.3536019	80	0.3550675	100	0.3780949
2-Chloronaphthalene	5	1.34909	10	1.550398	20	1.43681	50	1.479312	80	1.447029	100	1.614205
2-Chlorophenol	5	1.536856	10	1.800969	20	1.741048	50	1.665512	80	1.627757	100	1.694974
4-Chlorophenylphenylether	5	0.6653936	10	0.7637897	20	0.7626639	50	0.7647324	80	0.7695275	100	0.8158337
Chrysene	5	1.267557	10	1.444088	20	1.360848	50	1.354376	80	1.350539	100	1.386921
Dibenz(a,h)anthracene	5	0.9333214	10	1.102979	20	1.097864	50	1.182887	80	1.205078	100	1.196278
Dibenzofuran	5	1.613845	10	1.794365	20	1.750149	50	1.712906	80	1.721651	100	1.80394
Di-n-butylphthalate	5	1.193461	10	1.435714	20	1.423245	50	1.396206	80	1.396834	100	1.456258
1,2-Dichlorobenzene	5	1.504395	10	1.751963	20	1.68901	50	1.598656	80	1.578631	100	1.64333
1,3-Dichlorobenzene	5	1.556534	10	1.787169	20	1.679807	50	1.647212	80	1.678227	100	1.730407
1,4-Dichlorobenzene	5	1.576462	10	1.835316	20	1.745265	50	1.720745	80	1.701063	100	1.775121

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200130 Instrument: GCMSSV3

Calibration Date: 2/23/2022 6:57:32AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
3,3-Dichlorobenzidine	5	0.400259	10	0.4824011	20	0.4632111	50	0.4577387	80	0.4251582	100	0.4324398
2,4-Dichlorophenol	5	0.3178165	10	0.360125	20	0.3583513	50	0.3572822	80	0.3599457	100	0.3776961
Diethylphthalate	5	1.288888	10	1.450301	20	1.428852	50	1.411519	80	1.435472	100	1.492046
2,4-Dimethylphenol	5	0.3231641	10	0.3818174	20	0.3843319	50	0.3861619	80	0.3844481	100	0.4143415
Dimethylphthalate	5	1.357964	10	1.559368	20	1.517968	50	1.497428	80	1.506977	100	1.57895
4,6-Dinitro-2-methylphenol			10	0.1223629	20	0.1310819	50	0.1458464	80	0.1542896	100	0.1595484
2,4-Dinitrophenol			10	0.1368611	20	0.154119	50	0.1876656	80	0.2029621	100	0.2295098
2,4-Dinitrotoluene	5	0.3579824	10	0.4297987	20	0.4435588	50	0.4541478	80	0.4571199	100	0.4818141
2,6-Dinitrotoluene	5	0.2847221	10	0.3282068	20	0.3244324	50	0.3224951	80	0.3337048	100	0.3511368
Di-n-octylphthalate	5	1.364813	10	1.611316	20	1.631051	50	1.650848	80	1.700203	100	1.789384
1,2-Diphenylhydrazine/Azobenz	5	0.6377854	10	0.7374964	20	0.7400771	50	0.6881529	80	0.704494	100	0.7235782
Fluoranthene	5	1.155688	10	1.357128	20	1.342861	50	1.335688	80	1.368991	100	1.414431
Fluorene	5	1.366232	10	1.547408	20	1.522591	50	1.499278	80	1.524359	100	1.598156
Hexachlorobenzene	5	0.1987786	10	0.228707	20	0.2230644	50	0.2231398	80	0.2250489	100	0.2405795
Hexachlorobutadiene	5	0.17086	10	0.1989018	20	0.1921894	50	0.1917768	80	0.1908463	100	0.1997715
Hexachlorocyclopentadiene	5	0.1187392	10	0.175488	20	0.2042964	50	0.2445709	80	0.2674129	100	0.294449
Hexachloroethane	5	0.590578	10	0.6609421	20	0.6533365	50	0.6127173	80	0.6114612	100	0.6378188
Indeno(1,2,3-cd)pyrene	5	0.9687385	10	1.110415	20	1.100415	50	1.119472	80	1.105097	100	1.100345
Isophorone	5	0.614681	10	0.7133251	20	0.6949739	50	0.6669713	80	0.6618322	100	0.6999098
1-Methylnaphthalene	5	0.724409	10	0.8530711	20	0.8089791	50	0.787291	80	0.7901576	100	0.8352125
2-Methylnaphthalene	5	0.6408638	10	0.7572977	20	0.7307011	50	0.713718	80	0.7135331	100	0.7457903
2-Methylphenol	5	1.313008	10	1.590775	20	1.529115	50	1.416084	80	1.32321	100	1.411088
3/4-Methylphenol	10	1.618888	20	1.88601	40	1.814035	100	1.690711	160	1.621295	200	1.695009
Naphthalene	5	1.062768	10	1.235319	20	1.176499	50	1.14594	80	1.146372	100	1.192094
2-Nitroaniline	5	0.2908229	10	0.334089	20	0.3255085	50	0.3305505	80	0.3292919	100	0.3495596
3-Nitroaniline	5	0.3180498	10	0.3581084	20	0.3614178	50	0.348809	80	0.3344519	100	0.3416052
4-Nitroaniline	5	0.3550077	10	0.3702161	20	0.3619757	50	0.3747957	80	0.3715597	100	0.3962379
Nitrobenzene	5	0.3586979	10	0.4059901	20	0.3904753	50	0.3867481	80	0.3840174	100	0.3950378
2-Nitrophenol	5	0.2002572	10	0.2361358	20	0.2280808	50	0.2348363	80	0.2324959	100	0.247105
4-Nitrophenol	5	0.1521173	10	0.1722283	20	0.1759994	50	0.1771234	80	0.1823671	100	0.1951011
N-Nitrosodimethylamine	5	0.5231478	10	0.5993008	20	0.5693394	50	0.5729307	80	0.5703587	100	0.5976525

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200130 Instrument: GCMSSV3

Calibration Date: 2/23/2022 6:57:32AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
N-Nitrosodiphenylamine/Diphen	4.28	0.6284742	8.56	0.720889	17.1	0.7152531	42.8	0.6801326	68.5	0.692869	85.6	0.7226271
N-Nitrosodi-n-propylamine	5	1.10232	10	1.268032	20	1.220534	50	1.115523	80	1.071989	100	1.122166
Pentachloronitrobenzene	5	3.374252E-02	10	4.076021E-02	20	3.994569E-02	50	3.883897E-02	80	4.084103E-02	100	4.306228E-02
Pentachlorophenol	5	0.1014727	10	0.1350902	20	0.13889	50	0.1473913	80	0.1617514	100	0.1756472
Phenanthrene	5	1.094821	10	1.267379	20	1.215415	50	1.175121	80	1.188642	100	1.236727
Phenol	5	1.819862	10	2.194983	20	2.140653	50	2.056327	80	2.006273	100	2.093706
Pyrene	5	1.353412	10	1.571448	20	1.544274	50	1.492138	80	1.483577	100	1.539023
Pyridine	5	1.081765	10	1.321271	20	1.315976	50	1.404599	80	1.393707	100	1.46636
1,2,4,5-Tetrachlorobenzene	5	0.58094	10	0.6631536	20	0.638011	50	0.6322171	80	0.6372825	100	0.6754438
1,2,4-Trichlorobenzene	5	0.3218784	10	0.3693583	20	0.3496754	50	0.3504247	80	0.3518837	100	0.3735896
2,4,5-Trichlorophenol	5	0.3723522	10	0.4290879	20	0.4131893	50	0.4231934	80	0.4297687	100	0.4515397
2,4,6-Trichlorophenol	5	0.3679656	10	0.4426661	20	0.4261687	50	0.4330991	80	0.4420563	100	0.4663184
2-Fluorophenol	10	0.8690721	20	1.058176	40	1.070862	100	1.072861	160	1.06322	200	1.108603
Phenol-d6	10	1.632361	20	1.891622	40	1.869888	100	1.779843	160	1.71056	200	1.783351
Nitrobenzene-d5	5	0.339879	10	0.3893588	20	0.381479	50	0.3653155	80	0.364869	100	0.3756919
2-Fluorobiphenyl	5	1.254502	10	1.437556	20	1.383617	50	1.344952	80	1.359007	100	1.413072
2,4,6-Tribromophenol	10	0.1483862	20	0.1618853	40	0.1615586	100	0.1691959	160	0.1771152	200	0.1960825
p-Terphenyl-d14	5	1.000977	10	1.151207	20	1.126778	50	1.107215	80	1.11757	100	1.162997

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200130 Instrument: GCMSSV3

Calibration Date: 2/23/2022 6:57:32AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acenaphthene	120	1.512147	2	1.235154								
Acenaphthylene	120	2.207035	2	1.873102								
Acetophenone	120	2.304695										
Aniline	120	0.547166										
Anthracene	120	1.319501	2	1.166521								
Benzidine			2	0.2864639								
Benzo(a)anthracene	120	1.569387	2	1.399451								
Benzo(a)pyrene	120	1.438999	2	1.152746								
Benzo(b)fluoranthene	120	1.701777	2	1.302799								
Benzo(g,h,i)perylene	120	1.052745	2	1.046929								
Benzo(k)fluoranthene	120	1.482046	2	1.186648								
Benzoic Acid	120	0.2700966										
Bis(2-chloroethoxy)methane	120	0.4865982										
Bis(2-chloroethyl)ether	120	1.042876										
Bis(2-chloroisopropyl)ether	120	1.501762										
Bis(2-Ethylhexyl)phthalate	120	1.017092	2	0.849588								
4-Bromophenylphenylether	120	0.2675229										
Butylbenzylphthalate	120	0.7529338										
Carbazole	120	1.252782										
4-Chloroaniline	120	0.3789389										
4-Chloro-3-methylphenol	120	0.3917801										
2-Chloronaphthalene	120	1.636767										
2-Chlorophenol	120	1.858333										
4-Chlorophenylphenylether	120	0.8627534										
Chrysene	120	1.486198	2	1.3047								
Dibenz(a,h)anthracene	120	1.20997	2	0.9665538								
Dibenzofuran	120	1.869949	2	1.657282								
Di-n-butylphthalate	120	1.511917										
1,2-Dichlorobenzene	120	1.744091										
1,3-Dichlorobenzene	120	1.818492										
1,4-Dichlorobenzene	120	1.856503										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200130 Instrument: GCMSSV3

Calibration Date: 2/23/2022 6:57:32AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
3,3-Dichlorobenzidine	120	0.4577256										
2,4-Dichlorophenol	120	0.4003318										
Diethylphthalate	120	1.570071										
2,4-Dimethylphenol	120	0.4372069										
Dimethylphthalate	120	1.643339	2	1.427624								
4,6-Dinitro-2-methylphenol	120	0.1727709										
2,4-Dinitrophenol												
2,4-Dinitrotoluene	120	0.5028961										
2,6-Dinitrotoluene	120	0.3634333										
Di-n-octylphthalate	120	1.870809										
1,2-Diphenylhydrazine/Azobenz	120	0.7584717										
Fluoranthene	120	1.473275	2	1.224132								
Fluorene	120	1.651889	2	1.401776								
Hexachlorobenzene	120	0.2536041	2	0.2084043								
Hexachlorobutadiene	120	0.2103724	2	0.186095								
Hexachlorocyclopentadiene												
Hexachloroethane	120	0.6802133	2	0.5933964								
Indeno(1,2,3-cd)pyrene	120	1.104501	2	0.979728								
Isophorone	120	0.7330307										
1-Methylnaphthalene	120	0.865666										
2-Methylnaphthalene	120	0.7895244	2	0.687634								
2-Methylphenol	120	1.554722										
3/4-Methylphenol	240	1.835305	4	1.718256								
Naphthalene	120	1.248062	2	1.141318								
2-Nitroaniline	120	0.3599221										
3-Nitroaniline	120	0.3416066										
4-Nitroaniline	120	0.4078459										
Nitrobenzene	120	0.420064										
2-Nitrophenol	120	0.2631009										
4-Nitrophenol	120	0.2017936										
N-Nitrosodimethylamine	120	0.6341316										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200130 Instrument: GCMSSV3

Calibration Date: 2/23/2022 6:57:32AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
N-Nitrosodiphenylamine/Diphen	103	0.7526302										
N-Nitrosodi-n-propylamine	120	1.192452										
Pentachloronitrobenzene	120	4.630647E-02										
Pentachlorophenol	120	0.189208										
Phenanthrene	120	1.290228	2	1.140278								
Phenol	120	2.262855	2	1.98638								
Pyrene	120	1.659888	2	1.448867								
Pyridine	120	1.552282										
1,2,4,5-Tetrachlorobenzene	120	0.7113148	2	0.5964369								
1,2,4-Trichlorobenzene	120	0.3918799										
2,4,5-Trichlorophenol	120	0.4753449										
2,4,6-Trichlorophenol	120	0.4874503										
2-Fluorophenol	240	1.211986			320	0.807592						
Phenol-d6	240	1.941002			320	1.277112						
Nitrobenzene-d5	120	0.3997198			160	0.2728869						
2-Fluorobiphenyl	120	1.482724			160	1.013681						
2,4,6-Tribromophenol	240	0.2072296			320	0.1478373						
p-Terphenyl-d14	120	1.267855			160	0.8424647						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200130	Instrument:	GCMSSV3
		Calibration Date:	2/23/2022 6:57:32AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acenaphthene	1.351503	7.8			20	
Acenaphthylene	2.020202	5.8			20	
Acetophenone	2.22044	6.1			20	
Aniline	0.574355	12.3			20	
Anthracene	1.233109	5.7			20	
Benzidine	0.2229056	46.4			20	*
Benzo(a)anthracene	1.438342	5.7			20	
Benzo(a)pyrene	1.272666	8.7			20	
Benzo(b)fluoranthene	1.480075	9.7			20	
Benzo(g,h,i)perylene	1.116736	6.9			20	
Benzo(k)fluoranthene	1.305381	8.3			20	
Benzoic Acid	0.2289491	14.5			20	
Bis(2-chloroethoxy)methane	0.44794	5.9			20	
Bis(2-chloroethyl)ether	0.9970558	4.5			20	
Bis(2-chloroisopropyl)ether	1.446666	6.7			20	
Bis(2-Ethylhexyl)phthalate	0.9229062	7.0			20	
4-Bromophenylphenylether	0.2411466	7.7			20	
Butylbenzylphthalate	0.6800669	7.5			20	
Carbazole	1.156976	6.2			20	
4-Chloroaniline	0.3940684	7.7			20	
4-Chloro-3-methylphenol	0.3569403	7.5			20	
2-Chloronaphthalene	1.501944	6.9			20	
2-Chlorophenol	1.703636	6.3			20	
4-Chlorophenylphenylether	0.7720992	7.8			20	
Chrysene	1.369403	5.1			20	
Dibenz(a,h)anthracene	1.111866	9.8			20	
Dibenzofuran	1.740511	4.8			20	
Di-n-butylphthalate	1.401948	7.1			20	
1,2-Dichlorobenzene	1.644297	5.5			20	
1,3-Dichlorobenzene	1.699693	5.2			20	
1,4-Dichlorobenzene	1.744354	5.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200130	Instrument:	GCMSSV3
		Calibration Date:	2/23/2022 6:57:32AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.4455619	6.2			20	
2,4-Dichlorophenol	0.3616498	6.9			20	
Diethylphthalate	1.439593	5.9			20	
2,4-Dimethylphenol	0.3873531	9.1			20	
Dimethylphthalate	1.511202	5.9			20	
4,6-Dinitro-2-methylphenol	0.14765	12.6			20	
2,4-Dinitrophenol	0.1822235	20.4	0.991		0.99	
2,4-Dinitrotoluene	0.4467597	10.3			20	
2,6-Dinitrotoluene	0.329733	7.5			20	
Di-n-octylphthalate	1.659775	9.6			20	
1,2-Diphenylhydrazine/Azobenzene	0.7128651	5.7			20	
Fluoranthene	1.334024	7.6			20	
Fluorene	1.513961	6.2			20	
Hexachlorobenzene	0.2251658	7.6			20	
Hexachlorobutadiene	0.1926016	6.0			20	
Hexachlorocyclopentadiene	0.2174927	29.7	0.994		0.99	
Hexachloroethane	0.630058	5.2			20	
Indeno(1,2,3-cd)pyrene	1.073589	5.7			20	
Isophorone	0.683532	5.7			20	
1-Methylnaphthalene	0.8092552	5.9			20	
2-Methylnaphthalene	0.7223828	6.3			20	
2-Methylphenol	1.448286	7.7			20	
3/4-Methylphenol	1.734939	5.7			20	
Naphthalene	1.168546	5.0			20	
2-Nitroaniline	0.3313921	6.6			20	
3-Nitroaniline	0.3434355	4.3			20	
4-Nitroaniline	0.3768055	5.0			20	
Nitrobenzene	0.3915758	4.9			20	
2-Nitrophenol	0.2345731	8.2			20	
4-Nitrophenol	0.1795329	9.0			20	
N-Nitrosodimethylamine	0.5809802	5.9			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200130	Instrument:	GCMSSV3
		Calibration Date:	2/23/2022 6:57:32AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
N-Nitrosodiphenylamine/Diphenylamine	0.7018393	5.7			20	
N-Nitrosodi-n-propylamine	1.156145	6.2			20	
Pentachloronitrobenzene	0.0404996	9.5			20	
Pentachlorophenol	0.1499215	19.3			20	
Phenanthrene	1.201076	5.4			20	
Phenol	2.07013	6.6			20	
Pyrene	1.511578	6.0			20	
Pyridine	1.36228	10.9			20	
1,2,4,5-Tetrachlorobenzene	0.64185	6.5			20	
1,2,4-Trichlorobenzene	0.3583843	6.2			20	
2,4,5-Trichlorophenol	0.4277823	7.5			20	
2,4,6-Trichlorophenol	0.4379606	8.5			20	
2-Fluorophenol	1.032797	12.7			20	
Phenol-d6	1.735717	12.1			20	
Nitrobenzene-d5	0.36115	11.1			20	
2-Fluorobiphenyl	1.336139	11.0			20	
2,4,6-Tribromophenol	0.1711613	12.5			20	
p-Terphenyl-d14	1.097133	11.5			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200193 Instrument: GCMSSV4

Calibration Date: 4/4/2022 8:41:54AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acenaphthene	5	1.27887	10	1.603504	20	1.403591	50	1.354838	80	1.302576	100	1.333158
Acenaphthylene	5	2.069946	10	2.587837	20	2.223071	50	2.176898	80	2.072161	100	2.082077
Acetophenone	5	2.307724	10	2.930243	20	2.333417	50	2.29959	80	2.073221	100	2.071699
Aniline	5	0.7741085	10	1.060062	20	0.7345302	50	0.7401311	80	0.725619		
Anthracene	5	1.183897	10	1.523347	20	1.25237	50	1.227123	80	1.165269	100	1.175158
Benzidine	5	0.2355936	10	0.4326462	20	0.1964868	50	0.1258913	80	8.797252E-02		
Benzo(a)anthracene	5	1.376213	10	1.747185	20	1.528195	50	1.565898	80	1.51855	100	1.569518
Benzo(a)pyrene	5	1.141343	10	1.506906	20	1.301355	50	1.342725	80	1.308278	100	1.332037
Benzo(b)fluoranthene	5	1.326189	10	1.74129	20	1.493007	50	1.547152	80	1.506702	100	1.543222
Benzo(g,h,i)perylene	5	1.063394	10	1.422656	20	1.225895	50	1.206961	80	1.014741	100	0.9974562
Benzo(k)fluoranthene	5	1.161876	10	1.543786	20	1.358112	50	1.345639	80	1.303957	100	1.31863
Benzoic Acid			10	0.2820017	20	0.2670348	50	0.2962199	80	0.2728157	100	0.2901219
Bis(2-chloroethoxy)methane	5	0.4794626	10	0.636422	20	0.522058	50	0.5235546	80	0.4864502	100	0.5048889
Bis(2-chloroethyl)ether	5	1.475446	10	1.973405	20	1.522472	50	1.628809	80	1.524978	100	1.592216
Bis(2-chloroisopropyl)ether	5	2.784671	10	3.789043	20	2.815537	50	3.098632	80	2.79684	100	2.881033
Bis(2-Ethylhexyl)phthalate	5	1.112401	10	1.484933	20	1.230476	50	1.264306	80	1.173592	100	1.214825
4-Bromophenylphenylether	5	0.2046142	10	0.25778	20	0.2263127	50	0.2261054	80	0.2212723	100	0.2274504
Butylbenzylphthalate	5	0.8023183	10	1.107669	20	0.9099807	50	0.9904975	80	0.9477405	100	0.9777088
Carbazole	5	1.152163	10	1.48821	20	1.243902	50	1.207239	80	1.13821	100	1.142865
4-Chloroaniline	5	0.4166735	10	0.5355556	20	0.4381373	50	0.4318711	80	0.386224	100	0.3763691
4-Chloro-3-methylphenol	5	0.3609411	10	0.4661361	20	0.389501	50	0.4120566	80	0.393478	100	0.4085809
2-Chloronaphthalene	5	1.510588	10	1.850802	20	1.694296	50	1.520715	80	1.503571	100	1.490448
2-Chlorophenol	5	1.645481	10	2.093201	20	1.774181	50	1.8326	80	1.763405	100	1.801053
4-Chlorophenylphenylether	5	0.6904336	10	0.8624505	20	0.7417319	50	0.7269687	80	0.7021907	100	0.707301
Chrysene	5	1.329862	10	1.660228	20	1.423519	50	1.430949	80	1.353084	100	1.383475
Dibenz(a,h)anthracene	5	1.006474	10	1.367115	20	1.190328	50	1.226958	80	1.122115	100	1.11906
Dibenzofuran	5	1.684989	10	2.104857	20	1.796328	50	1.731955	80	1.638112	100	1.647129
Di-n-butylphthalate	5	1.547521	10	2.006708	20	1.661383	50	1.682193	80	1.589542	100	1.60494
1,2-Dichlorobenzene	5	1.603561	10	2.002424	20	1.689379	50	1.657468	80	1.575228	100	1.601699
1,3-Dichlorobenzene	5	1.661119	10	2.067136	20	1.789858	50	1.760303	80	1.695077	100	1.744835
1,4-Dichlorobenzene	5	1.700165	10	2.101296	20	1.767697	50	1.757369	80	1.671815	100	1.720301

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200193 Instrument: GCMSSV4

Calibration Date: 4/4/2022 8:41:54AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
3,3-Dichlorobenzidine	5	0.4492307	10	0.5936936	20	0.5433774	50	0.5670849	80	0.5321178	100	0.5249101
2,4-Dichlorophenol	5	0.3326548	10	0.4240921	20	0.3677652	50	0.3647348	80	0.3561555	100	0.3632077
Diethylphthalate	5	1.517735	10	1.963664	20	1.631645	50	1.638975	80	1.559016	100	1.599
2,4-Dimethylphenol	5	0.3448718	10	0.4498449	20	0.3946607	50	0.4023427	80	0.4023039	100	0.4117689
Dimethylphthalate	5	1.535275	10	1.941096	20	1.645528	50	1.632202	80	1.563917	100	1.591745
4,6-Dinitro-2-methylphenol			10	0.1511779	20	0.1375499	50	0.1520357	80	0.1526841	100	0.1554007
2,4-Dinitrophenol			10	0.1927769	20	0.1907433	50	0.2263511	80	0.2297638	100	0.2402829
2,4-Dinitrotoluene	5	0.3975464	10	0.5376335	20	0.4665032	50	0.4712403	80	0.4549178	100	0.4581376
2,6-Dinitrotoluene	5	0.2946622	10	0.3962968	20	0.3401465	50	0.3536867	80	0.3412792	100	0.3525431
Di-n-octylphthalate	5	1.912053	10	2.660094	20	2.257393	50	2.435711	80	2.372605	100	2.459148
1,2-Diphenylhydrazine/Azobenz	5	0.9222304	10	1.198136	20	0.9161705	50	0.9520956	80	0.8609001	100	0.8945485
Fluoranthene	5	1.228869	10	1.565991	20	1.339499	50	1.326217	80	1.283209	100	1.279995
Fluorene	5	1.413192	10	1.754734	20	1.485829	50	1.43549	80	1.354372	100	1.366387
Hexachlorobenzene	5	0.2203673	10	0.274625	20	0.2392668	50	0.2368237	80	0.2337502	100	0.2370667
Hexachlorobutadiene	5	0.1689736	10	0.2064408	20	0.1854652	50	0.1754797	80	0.1707228	100	0.1726272
Hexachlorocyclopentadiene	5	0.2873517	10	0.373475	20	0.3508236	50	0.355863	80	0.3556547	100	0.357268
Hexachloroethane	5	0.6513627	10	0.8300968	20	0.6711886	50	0.6949936	80	0.666059	100	0.6851321
Indeno(1,2,3-cd)pyrene	5	0.9676735	10	1.316474	20	1.143862	50	1.185006	80	1.068714	100	1.067441
Isophorone	5	0.7234542	10	0.9813119	20	0.7848381	50	0.8184832	80	0.7653284	100	0.8026534
1-Methylnaphthalene	5	0.7162057	10	0.8870112	20	0.7683456	50	0.7473549	80	0.7103601	100	0.7238074
2-Methylnaphthalene	5	0.6323189	10	0.8084971	20	0.6927203	50	0.6899042	80	0.6522255	100	0.6683216
2-Methylphenol	5	1.408986	10	1.880598	20	1.551269	50	1.589122	80	1.497332	100	1.51957
3/4-Methylphenol	10	1.666276	20	2.168928	40	1.741327	100	1.732052	160	1.570248	200	1.596089
Naphthalene	5	1.114578	10	1.390764	20	1.184668	50	1.150707	80	1.089227	100	1.102738
2-Nitroaniline	5	0.4557969	10	0.6067726	20	0.4778338	50	0.5016658	80	0.4746722	100	0.4947381
3-Nitroaniline	5	0.3578408	10	0.4766868	20	0.4100386	50	0.4193965	80	0.3810932	100	0.3750749
4-Nitroaniline	5	0.3710605	10	0.481578	20	0.3970343	50	0.3987531	80	0.3842368	100	0.3944904
Nitrobenzene	5	0.4429197	10	0.5651962	20	0.4479919	50	0.4635625	80	0.4314046	100	0.4500622
2-Nitrophenol	5	0.2042324	10	0.2738017	20	0.2373921	50	0.2427375	80	0.2318114	100	0.2402746
4-Nitrophenol	5	0.2070063	10	0.2823199	20	0.2369258	50	0.2529792	80	0.2462411	100	0.2530289
N-Nitrosodimethylamine	5	0.8518255	10	1.132124	20	0.9510809	50	1.123263	80	1.10646	100	1.19724

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200193 Instrument: GCMSSV4

Calibration Date: 4/4/2022 8:41:54AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
N-Nitrosodiphenylamine/Diphen	4.28	0.6706033	8.56	0.8422316	17.1	0.7015473	42.8	0.6901167	68.5	0.6534847	85.6	0.6660234
N-Nitrosodi-n-propylamine	5	1.224161	10	1.593452	20	1.23493	50	1.254603	80	1.103651	100	1.125265
Pentachloronitrobenzene	5	3.944306E-02	10	4.733551E-02	20	4.224793E-02	50	4.243516E-02	80	4.149723E-02	100	4.155443E-02
Pentachlorophenol	5	0.1235488	10	0.1761235	20	0.1519712	50	0.1619755	80	0.1651794	100	0.1689308
Phenanthrene	5	1.198063	10	1.466113	20	1.231557	50	1.209512	80	1.149985	100	1.167219
Phenol	5	2.205891	10	2.875993	20	2.374805	50	2.507996	80	2.307546	100	2.361457
Pyrene	5	1.554143	10	1.998137	20	1.701174	50	1.725479	80	1.64539	100	1.695902
Pyridine	5	1.584956	10	2.074487	20	1.788893	50	2.03464	80	2.028138	100	2.171849
1,2,4,5-Tetrachlorobenzene	5	0.5874092	10	0.7434388	20	0.6549992	50	0.6302939	80	0.6070533	100	0.6118728
1,2,4-Trichlorobenzene	5	0.3297625	10	0.4142635	20	0.3628194	50	0.3539159	80	0.3382013	100	0.3450186
2,4,5-Trichlorophenol	5	0.4281431	10	0.5403606	20	0.4643876	50	0.4652734	80	0.4525236	100	0.4628626
2,4,6-Trichlorophenol	5	0.4317867	10	0.5362092	20	0.467688	50	0.455518	80	0.4433354	100	0.4564686
2-Fluorophenol	10	1.088203	20	1.391695	40	1.225634	100	1.299586	160	1.269686	200	1.299311
Phenol-d6	10	1.887487	20	2.427269	40	1.99671	100	2.116704	160	1.981793	200	2.01695
Nitrobenzene-d5	5	0.4422236	10	0.5241959	20	0.4255134	50	0.4318818	80	0.4128652	100	0.4280652
2-Fluorobiphenyl	5	1.327124	10	1.643219	20	1.425006	50	1.319478	80	1.274217	100	1.277392
2,4,6-Tribromophenol	10	0.1584837	20	0.2003842	40	0.1801415	100	0.1740076	160	0.1772206	200	0.1798464
p-Terphenyl-d14	5	1.046086	10	1.339149	20	1.161021	50	1.192361	80	1.144975	100	1.182363

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200193 Instrument: GCMSSV4

Calibration Date: 4/4/2022 8:41:54AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Acenaphthene	120	1.236478	2	1.470553								
Acenaphthylene	120	1.936241	2	2.355884								
Acetophenone	120	1.914779										
Aniline			2	0.9428484								
Anthracene	120	1.089681	2	1.375749								
Benzidine			2	0.3546471								
Benzo(a)anthracene	120	1.467293	2	1.578784								
Benzo(a)pyrene	120	1.252287	2	1.284395								
Benzo(b)fluoranthene	120	1.436289	2	1.481604								
Benzo(g,h,i)perylene	120	0.8972212	2	1.227012								
Benzo(k)fluoranthene	120	1.2327	2	1.367845								
Benzoic Acid	120	0.2798973										
Bis(2-chloroethoxy)methane	120	0.474325										
Bis(2-chloroethyl)ether	120	1.507707										
Bis(2-chloroisopropyl)ether	120	2.757747										
Bis(2-Ethylhexyl)phthalate	120	1.123133	2	1.233593								
4-Bromophenylphenylether	120	0.2072271										
Butylbenzylphthalate	120	0.9235965										
Carbazole	120	1.057591										
4-Chloroaniline	120	0.332521										
4-Chloro-3-methylphenol	120	0.3860092										
2-Chloronaphthalene	120	1.355744										
2-Chlorophenol	120	1.712071										
4-Chlorophenylphenylether	120	0.6466832										
Chrysene	120	1.273859	2	1.523019								
Dibenz(a,h)anthracene	120	1.005758	2	1.159202								
Dibenzofuran	120	1.526536	2	1.982906								
Di-n-butylphthalate	120	1.486973										
1,2-Dichlorobenzene	120	1.509294										
1,3-Dichlorobenzene	120	1.621533										
1,4-Dichlorobenzene	120	1.613081										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200193 Instrument: GCMSSV4

Calibration Date: 4/4/2022 8:41:54AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
3,3-Dichlorobenzidine	120	0.4773324										
2,4-Dichlorophenol	120	0.3389291										
Diethylphthalate	120	1.486608										
2,4-Dimethylphenol	120	0.3784886										
Dimethylphthalate	120	1.478905	2	1.784667								
4,6-Dinitro-2-methylphenol	120	0.1460372										
2,4-Dinitrophenol	120	0.2305549										
2,4-Dinitrotoluene	120	0.4324866										
2,6-Dinitrotoluene	120	0.3278037										
Di-n-octylphthalate	120	2.291529										
1,2-Diphenylhydrazine/Azobenz	120	0.8319474										
Fluoranthene	120	1.189138	2	1.399837								
Fluorene	120	1.270945	2	1.640973								
Hexachlorobenzene	120	0.2171663	2	0.255424								
Hexachlorobutadiene	120	0.1599566	2	0.1942603								
Hexachlorocyclopentadiene	120	0.3320049										
Hexachloroethane	120	0.650723	2	0.7798906								
Indeno(1,2,3-cd)pyrene	120	0.9616351	2	1.105918								
Isophorone	120	0.7568337										
1-Methylnaphthalene	120	0.670326	2	0.8251944								
2-Methylnaphthalene	120	0.6196013	2	0.7442152								
2-Methylphenol	120	1.425478										
3/4-Methylphenol	240	1.467777	4	1.918221								
Naphthalene	120	1.037657	2	1.319907								
2-Nitroaniline	120	0.4715747										
3-Nitroaniline	120	0.3447298										
4-Nitroaniline	120	0.3688834										
Nitrobenzene	120	0.4243477										
2-Nitrophenol	120	0.228802										
4-Nitrophenol	120	0.2460699										
N-Nitrosodimethylamine	120	1.156061										

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0540

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200193 Instrument: GCMSSV4

Calibration Date: 4/4/2022 8:41:54AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
N-Nitrosodiphenylamine/Diphen	103	0.6136033										
N-Nitrosodi-n-propylamine	120	1.051202										
Pentachloronitrobenzene	120	3.911426E-02										
Pentachlorophenol	120	0.1573379										
Phenanthrene	120	1.085384	2	1.381576								
Phenol	120	2.227467	2	2.513293								
Pyrene	120	1.571268	2	1.883208								
Pyridine	120	2.029734										
1,2,4,5-Tetrachlorobenzene	120	0.5652867										
1,2,4-Trichlorobenzene	120	0.322116										
2,4,5-Trichlorophenol	120	0.4284598										
2,4,6-Trichlorophenol	120	0.4265153										
2-Fluorophenol	240	1.229944			320	1.138933						
Phenol-d6	240	1.910603			320	1.731124						
Nitrobenzene-d5	120	0.4044575			160	0.3748776						
2-Fluorobiphenyl	120	1.172333			160	1.101821						
2,4,6-Tribromophenol	240	0.1668669			320	0.1639895						
p-Terphenyl-d14	120	1.090829			160	1.061648						

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200193	Instrument:	GCMSSV4
		Calibration Date:	4/4/2022 8:41:54AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acenaphthene	1.372946	8.6			20	
Acenaphthylene	2.188014	9.3			20	
Acetophenone	2.27581	14.4			20	
Aniline	0.8295499	16.8			20	
Anthracene	1.249074	11.1			20	
Benzidine	0.2388729	55.6			20	*
Benzo(a)anthracene	1.543954	6.9			20	
Benzo(a)pyrene	1.308666	7.8			20	
Benzo(b)fluoranthene	1.509432	7.8			20	
Benzo(g,h,i)perylene	1.131917	14.9			20	
Benzo(k)fluoranthene	1.329068	8.4			20	
Benzoic Acid	0.2813486	3.8			20	
Bis(2-chloroethoxy)methane	0.5181659	10.8			20	
Bis(2-chloroethyl)ether	1.603576	10.7			20	
Bis(2-chloroisopropyl)ether	2.989072	12.4			20	
Bis(2-Ethylhexyl)phthalate	1.229657	9.5			20	
4-Bromophenylphenylether	0.2243946	7.8			20	
Butylbenzylphthalate	0.9513588	9.7			20	
Carbazole	1.204311	11.5			20	
4-Chloroaniline	0.4167645	15.3			20	
4-Chloro-3-methylphenol	0.4023861	8.1			20	
2-Chloronaphthalene	1.560881	10.3			20	
2-Chlorophenol	1.803142	7.9			20	
4-Chlorophenylphenylether	0.7253942	9.3			20	
Chrysene	1.422249	8.6			20	
Dibenz(a,h)anthracene	1.149626	10.3			20	
Dibenzofuran	1.764101	10.9			20	
Di-n-butylphthalate	1.65418	10.2			20	
1,2-Dichlorobenzene	1.662722	9.7			20	
1,3-Dichlorobenzene	1.762837	8.3			20	
1,4-Dichlorobenzene	1.761675	9.0			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200193	Instrument:	GCMSSV4
		Calibration Date:	4/4/2022 8:41:54AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.526821	9.4			20	
2,4-Dichlorophenol	0.3639342	8.2			20	
Diethylphthalate	1.628092	9.7			20	
2,4-Dimethylphenol	0.3977545	8.0			20	
Dimethylphthalate	1.646667	9.1			20	
4,6-Dinitro-2-methylphenol	0.1491476	4.3			20	
2,4-Dinitrophenol	0.2184121	9.7			20	
2,4-Dinitrotoluene	0.4597808	9.3			20	
2,6-Dinitrotoluene	0.343774	8.9			20	
Di-n-octylphthalate	2.341219	9.9			20	
1,2-Diphenylhydrazine/Azobenzene	0.9394326	12.9			20	
Fluoranthene	1.326594	8.8			20	
Fluorene	1.46524	10.9			20	
Hexachlorobenzene	0.2393112	7.7			20	
Hexachlorobutadiene	0.1792408	8.5			20	
Hexachlorocyclopentadiene	0.3446344	8.1			20	
Hexachloroethane	0.7036808	9.3			20	
Indeno(1,2,3-cd)pyrene	1.10209	10.6			20	
Isophorone	0.8047004	10.4			20	
1-Methylnaphthalene	0.7560757	9.2			20	
2-Methylnaphthalene	0.6884755	9.0			20	
2-Methylphenol	1.553194	10.2			20	
3/4-Methylphenol	1.732615	12.8			20	
Naphthalene	1.173781	10.4			20	
2-Nitroaniline	0.4975792	10.1			20	
3-Nitroaniline	0.3949801	11.3			20	
4-Nitroaniline	0.3994338	9.6			20	
Nitrobenzene	0.4607835	10.4			20	
2-Nitrophenol	0.2370074	8.7			20	
4-Nitrophenol	0.2463673	9.1			20	
N-Nitrosodimethylamine	1.074008	11.6			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200193	Instrument:	GCMSSV4
		Calibration Date:	4/4/2022 8:41:54AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
N-Nitrosodiphenylamine/Diphenylamine	0.6910872	10.5			20	
N-Nitrosodi-n-propylamine	1.226752	14.6			20	
Pentachloronitrobenzene	0.0419468	6.5			20	
Pentachlorophenol	0.1578667	10.8			20	
Phenanthrene	1.236176	10.2			20	
Phenol	2.421806	8.9			20	
Pyrene	1.721838	8.8			20	
Pyridine	1.958957	10.3			20	
1,2,4,5-Tetrachlorobenzene	0.628622	9.3			20	
1,2,4-Trichlorobenzene	0.3522996	8.7			20	
2,4,5-Trichlorophenol	0.4631444	8.1			20	
2,4,6-Trichlorophenol	0.4596459	8.0			20	
2-Fluorophenol	1.242874	7.7			20	
Phenol-d6	2.00858	10.1			20	
Nitrobenzene-d5	0.43051	10.0			20	
2-Fluorobiphenyl	1.317574	12.5			20	
2,4,6-Tribromophenol	0.1751175	7.4			20	
p-Terphenyl-d14	1.152304	8.1			20	

INITIAL CALIBRATION STANDARDS

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S069429	Instrument:	GCMSSV3
Calibration:	2200130		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2202022	DFTPP Tuning standard - 50ng	S069429-TUN1	C2205401.D	02/23/22 06:57
2111140	SEMI BNA curve#8-- 2. ugmL	S069429-CAL8	C2205403.D	02/23/22 07:49
2111132	SEMI BNA curve#1- 5 ugmL	S069429-CAL1	C2205404.D	02/23/22 08:16
2111134	SEMI BNA curve#2- 10 ugmL	S069429-CAL2	C2205405.D	02/23/22 08:43
2111135	SEMI BNA curve#3--20 ugmL	S069429-CAL3	C2205406.D	02/23/22 09:10
2111136	SEMI BNA curve#4--50 ugmL	S069429-CAL4	C2205407.D	02/23/22 09:37
2111137	SEMI BNA curve#5--80 ugmL	S069429-CAL5	C2205408.D	02/23/22 10:04
2111138	SEMI BNA curve#6--100 ugmL	S069429-CAL6	C2205409.D	02/23/22 10:31
2111139	SEMI BNA curve#7--120 ugmL	S069429-CAL7	C2205410.D	02/23/22 10:58
2110474	SEMI BNA Calibration Std-160ug/ml	S069429-CALA	C2205411.D	02/23/22 11:25

Sequence Name: C:\msdchem\1\sequence\C022322.S
Comment: SEMI GCMSSV3(C)
Operator: BGL
Data Path: C:\MSDCHEM\1\DATA\C022322\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

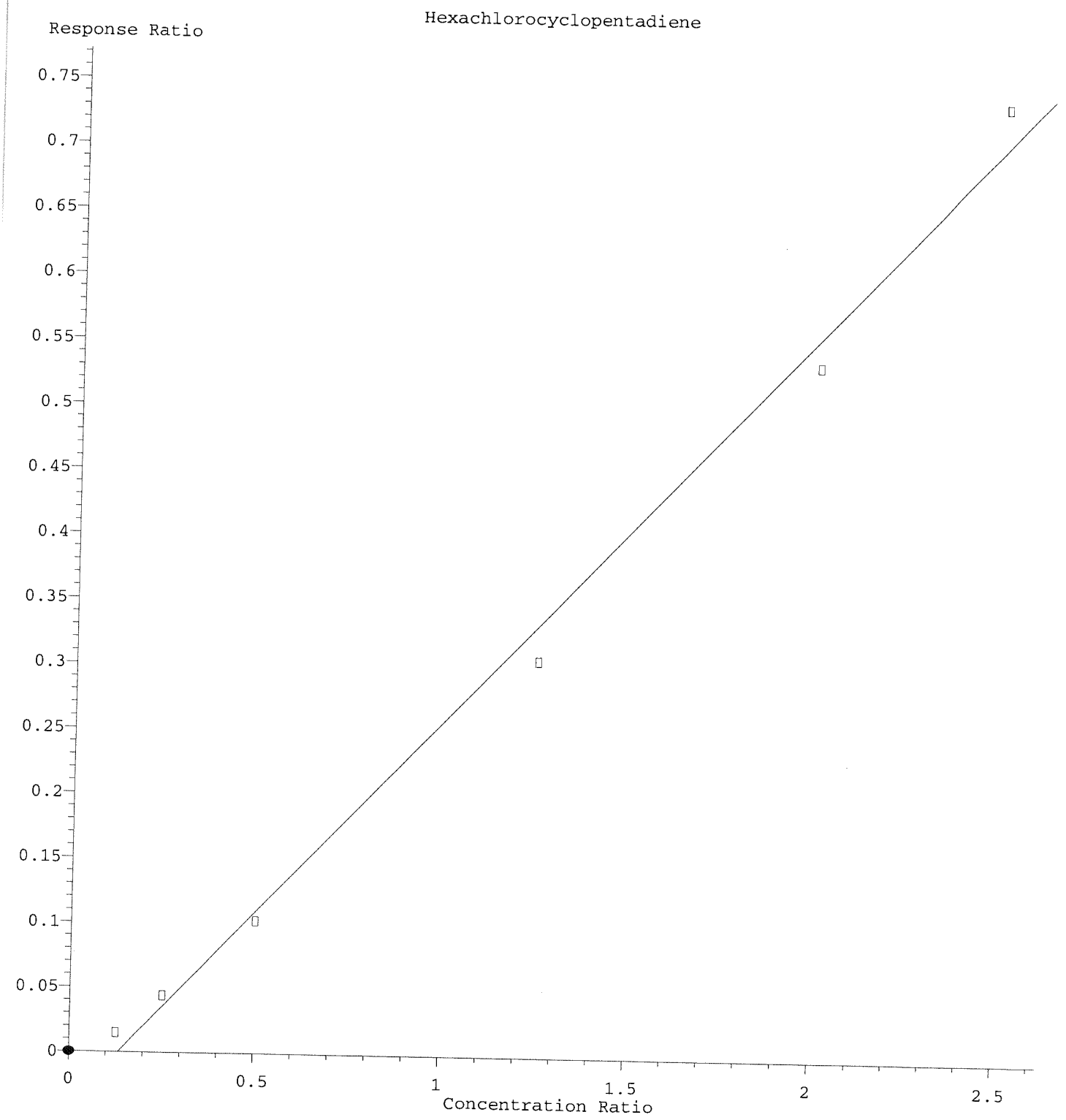
Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	1	C2205401 BNC02232 DFTPP 50 ng 2202022 f11941r24
2) Sample	2	C2205402 BNC02232 8270std 50ppm 2202023
3) Sample	3	C2205403 BNC02232 8270std 2ppm 2111140
4) Sample	4	C2205404 BNC02232 8270std 5ppm 2111132
5) Sample	5	C2205405 BNC02232 8270std 10ppm 2111134
6) Sample	6	C2205406 BNC02232 8270std 20ppm 2111135
7) Sample	7	C2205407 BNC02232 8270std 50ppm 2111136
8) Sample	8	C2205408 BNC02232 8270std 80ppm 2111137
9) Sample	9	C2205409 BNC02232 8270std 100ppm 2111138
10) Sample	10	C2205410 BNC02232 8270std 120ppm 2111139
11) Sample	11	C2205411 BNC02232 8270std 160ppm 2110474
12) Sample	12	C2205412 BNC02232 ICV 50 PPM
13) Sample	13	C2205413 BNC02232 2202365 svms

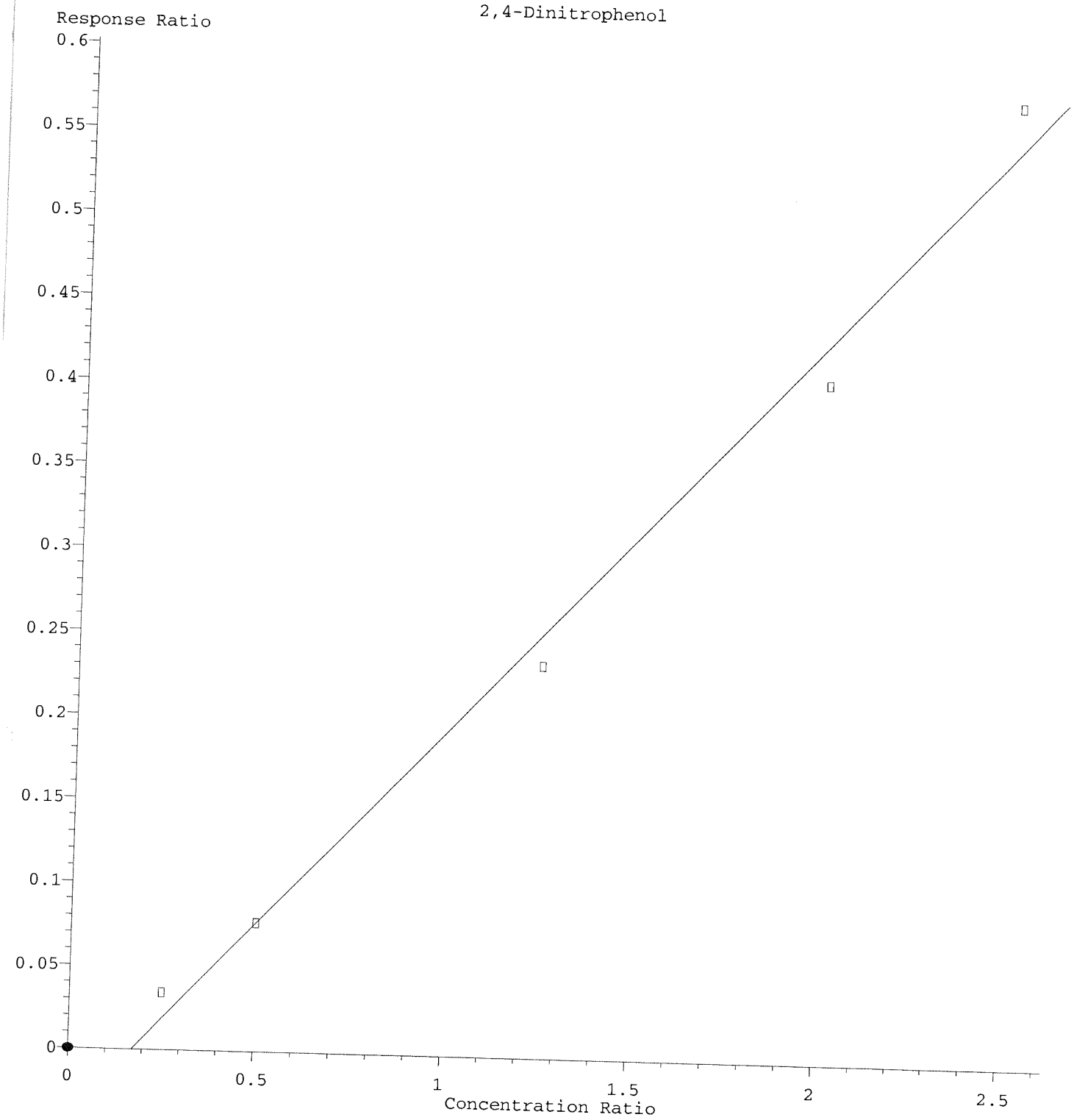
BNC 02232.M

5069479 & 2200130

Last Modified: Wed Feb 23 11:27:27 2022



Response = 2.979e-001 * Amt - 3.933e-002
Coef of Det (r^2) = 0.994 Curve Fit: Linear
Method Name: C:\msdchem\1\methods\BNC02232.M
Calibration Table Last Updated: Wed Feb 23 11:58:38 2022



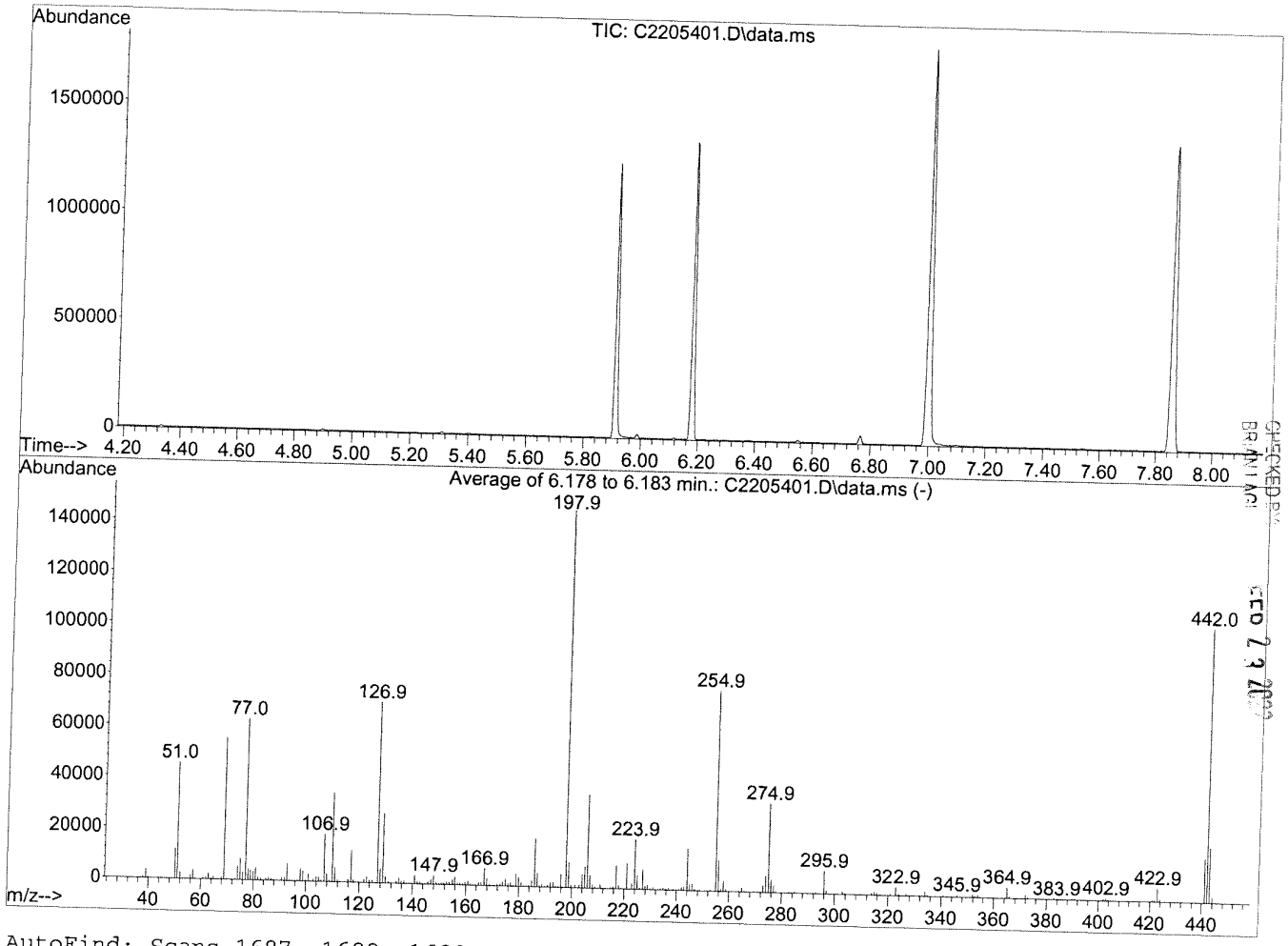
Response = 2.349e-001 * Amt - 4.030e-002
oef of Det (r^2) = 0.991 Curve Fit: Linear
ethod Name: C:\msdchem\1\methods\BNC02232.M
alibration Table Last Updated: Wed Feb 23 13:27:01 2022

DFTPP

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPPE.M
Title : dftpp
Last Update : Thu Mar 10 13:31:06 2016



AutoFind: Scans 1687, 1688, 1689; Background Corrected with Scan 1679

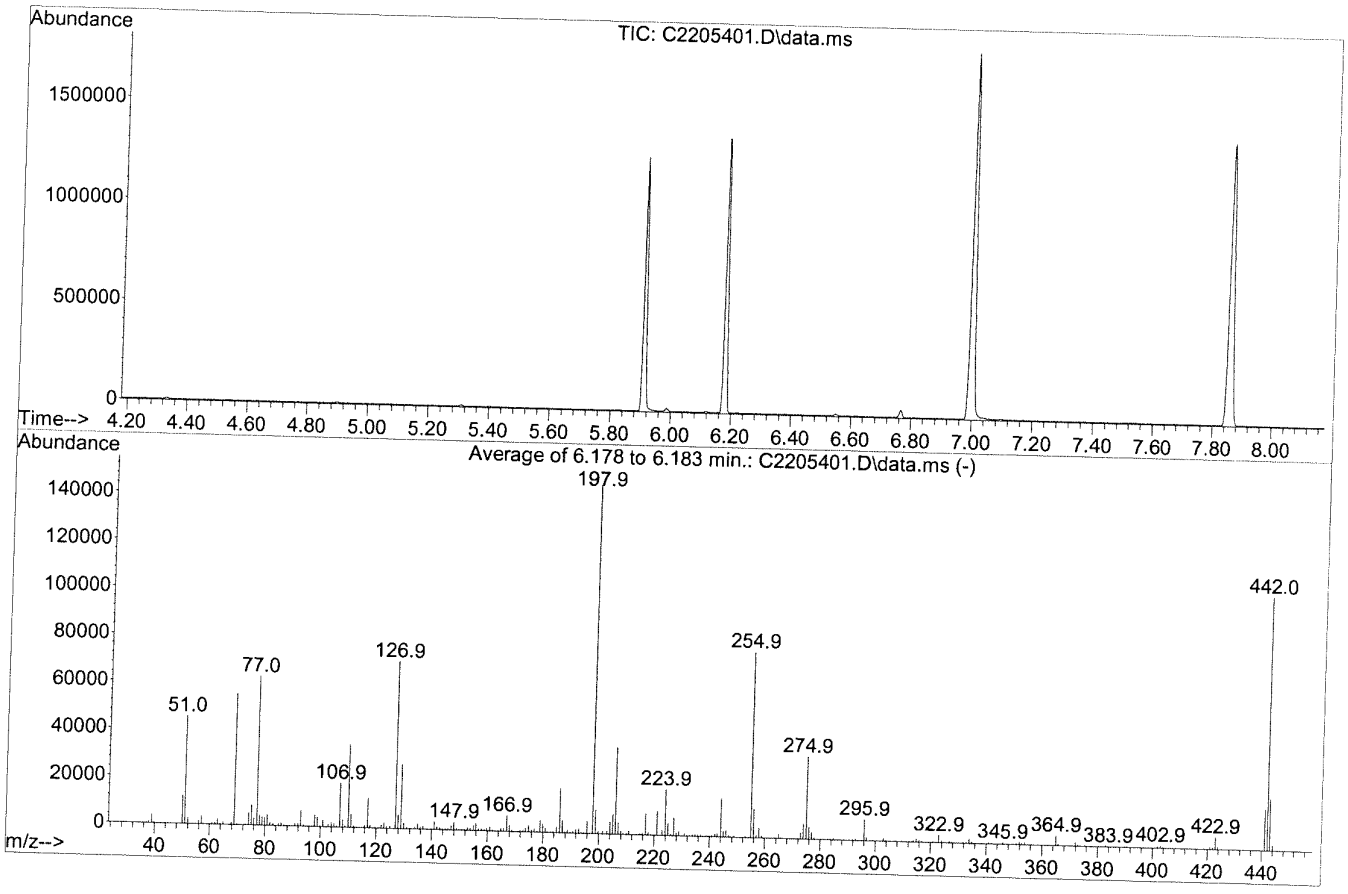
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	840	PASS
69	69	100	100	100.0	55313	PASS
70	69	0.00	2	0.5	269	PASS
197	198	0.00	2	0.2	229	PASS
198	198	100	100	100.0	147229	PASS
199	198	5	9	6.7	9926	PASS
365	198	1	100	2.7	3955	PASS
441	443	0.01	150	79.7	17143	PASS
442	198	50	100	72.6	106883	PASS
443	442	15	24	20.1	21507	PASS

DFTPP

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPPD.M
Title : dftpp
Last Update : Thu Mar 10 13:31:06 2016



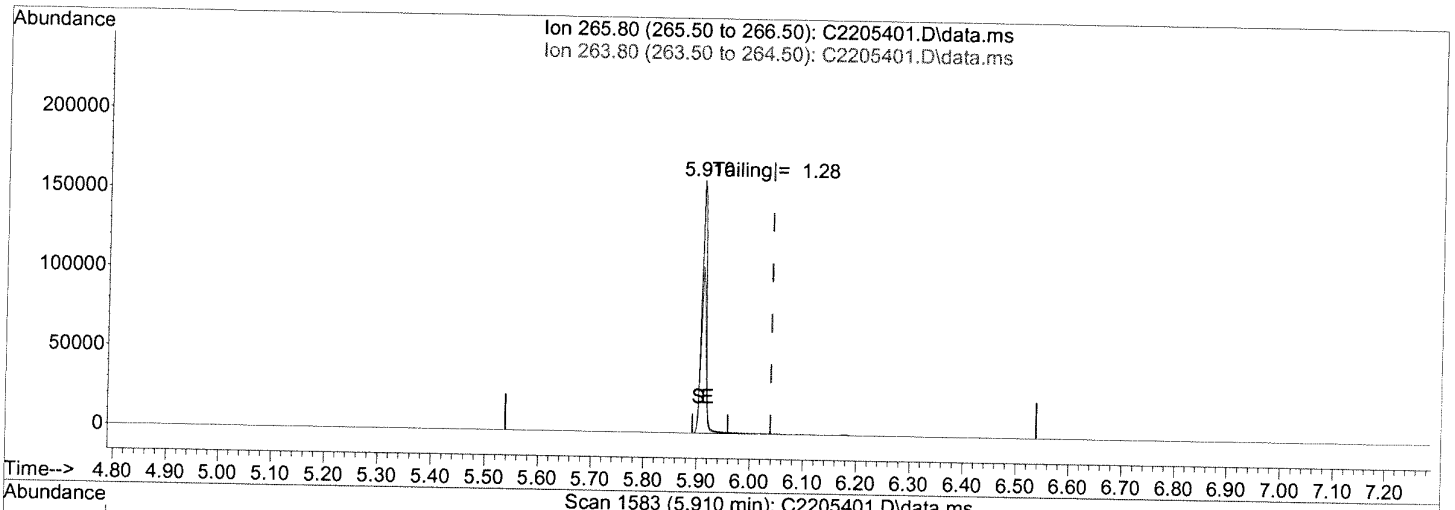
AutoFind: Scans 1687, 1688, 1689; Background Corrected with Scan 1679

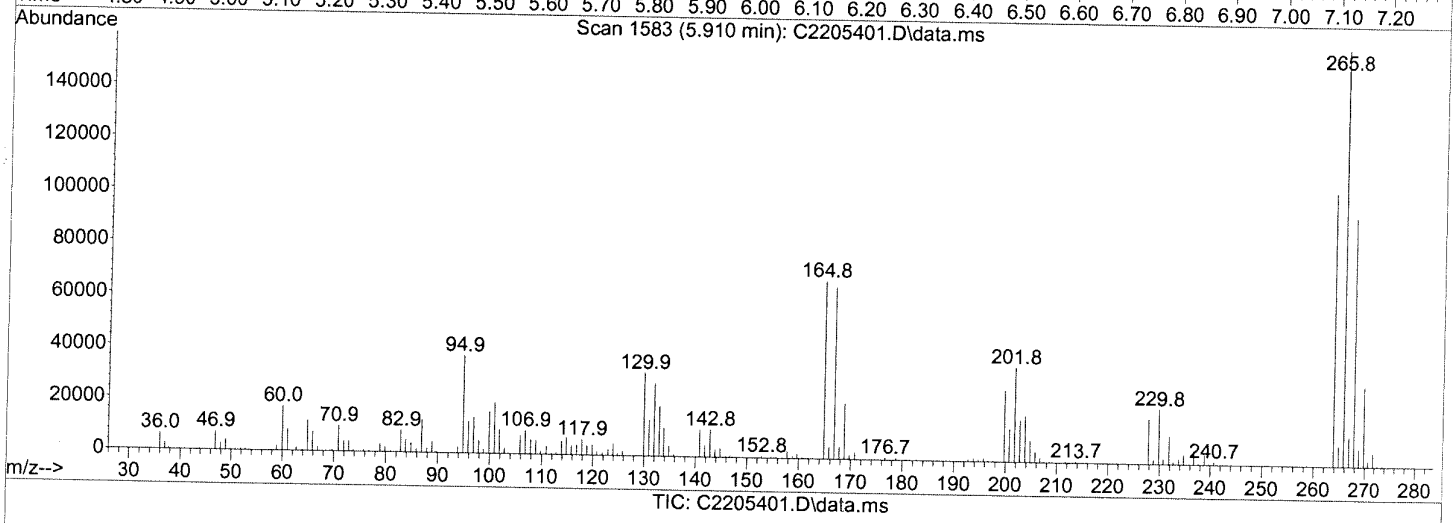
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.7	45270	PASS
68	69	0.00	2	1.5	840	PASS
69	69	100	100	100.0	55313	PASS
70	69	0.00	2	0.5	269	PASS
127	198	10	80	47.9	70515	PASS
197	198	0.00	2	0.2	229	PASS
198	198	100	100	100.0	147229	PASS
199	198	5	9	6.7	9926	PASS
275	198	10	60	23.5	34579	PASS
365	198	1	100	2.7	3955	PASS
441	442	0.01	24	16.0	17143	PASS
442	198	50	100	72.6	106883	PASS
443	442	15	24	20.1	21507	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24 Inst : GCMSSV3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 14:55:54 2022
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : dftpp
QLast Update : Thu Mar 10 13:31:06 2016
Response via : Initial Calibration





(1) Pentachlorophenol

5.910min (-0.129) 42.35

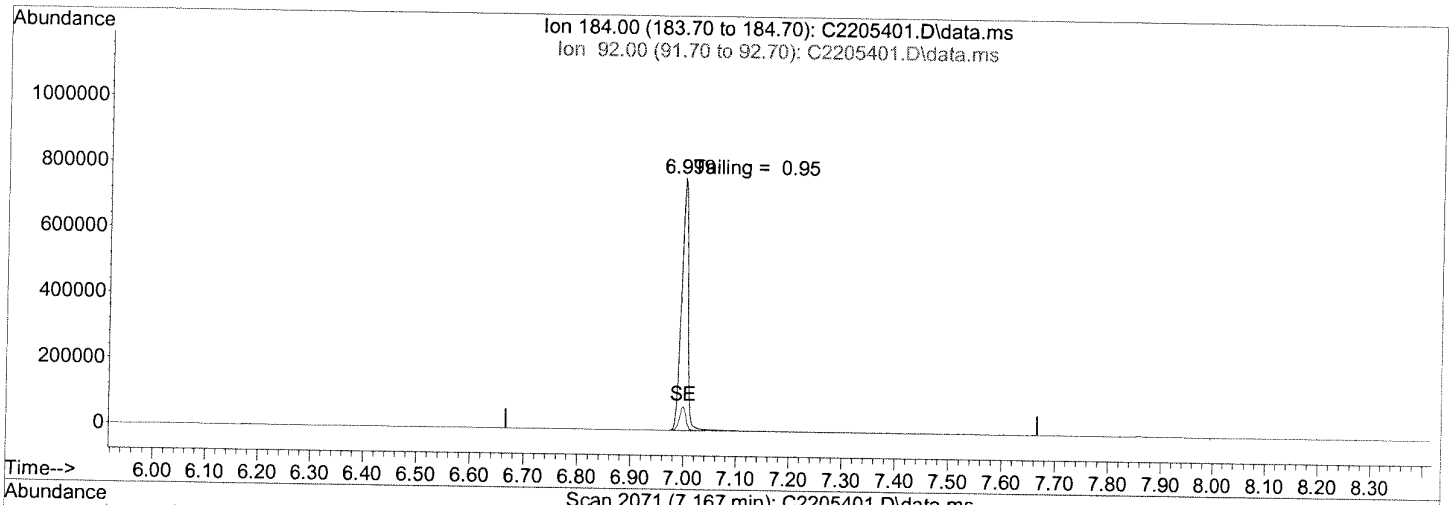
response 101978

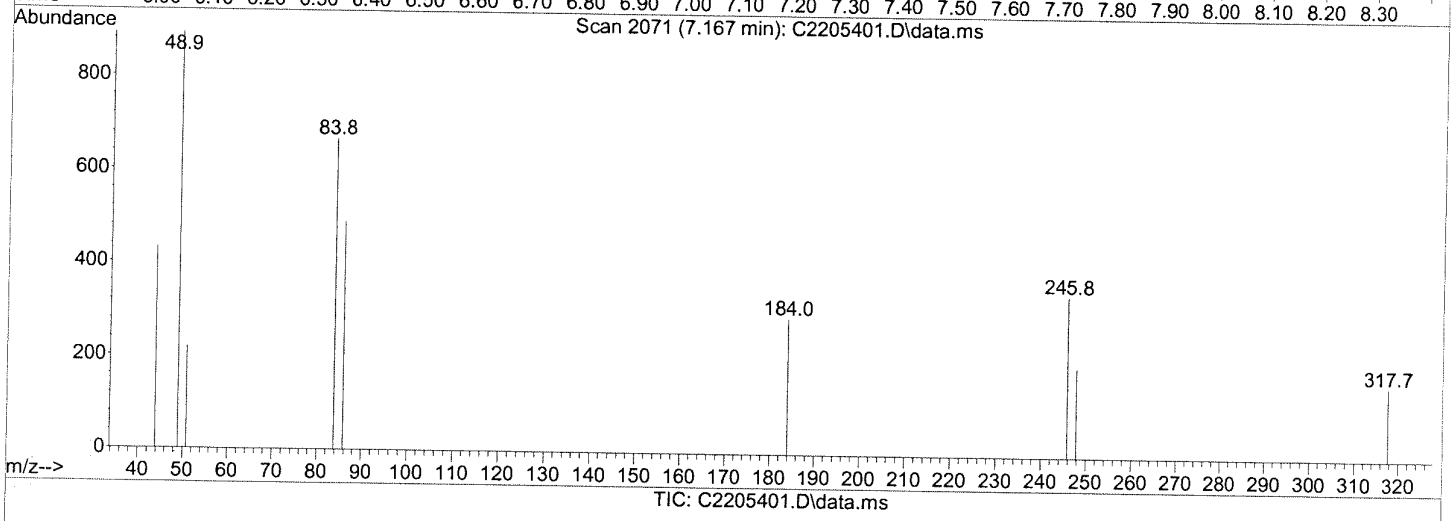
Ion	Exp%	Act%
265.80	100.00	100.00
263.80	64.90	63.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24 Inst : GCMSSV3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 14:55:54 2022
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : dftpp
QLast Update : Thu Mar 10 13:31:06 2016
Response via : Initial Calibration





(3) Benzidine

7.167min (-7.167) 0.00

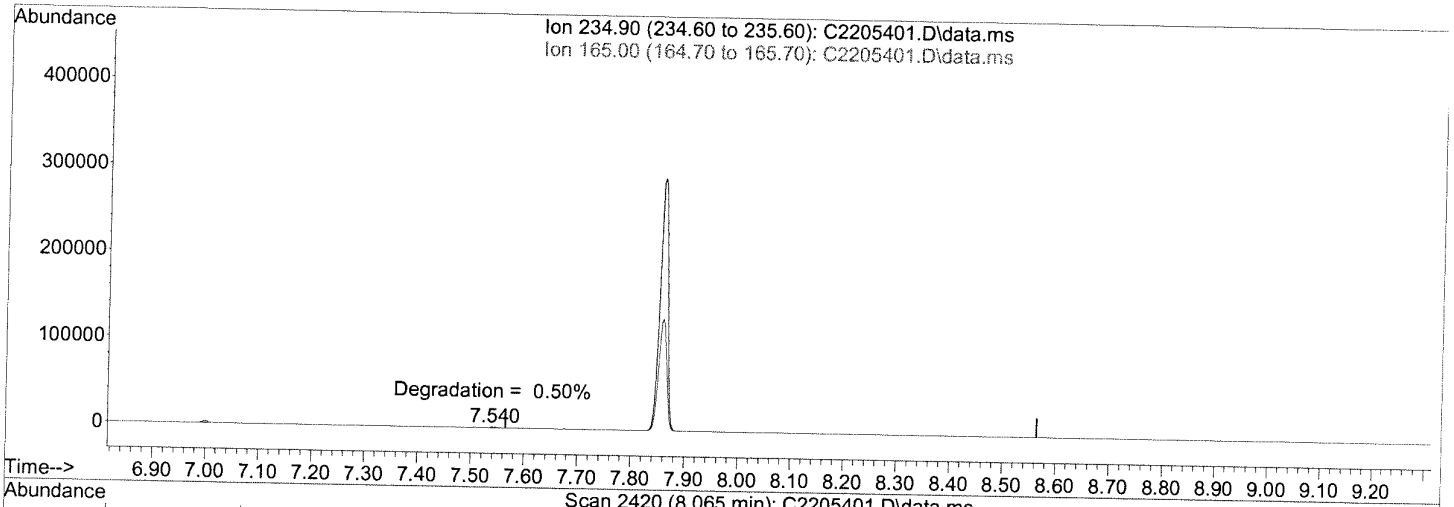
response 0

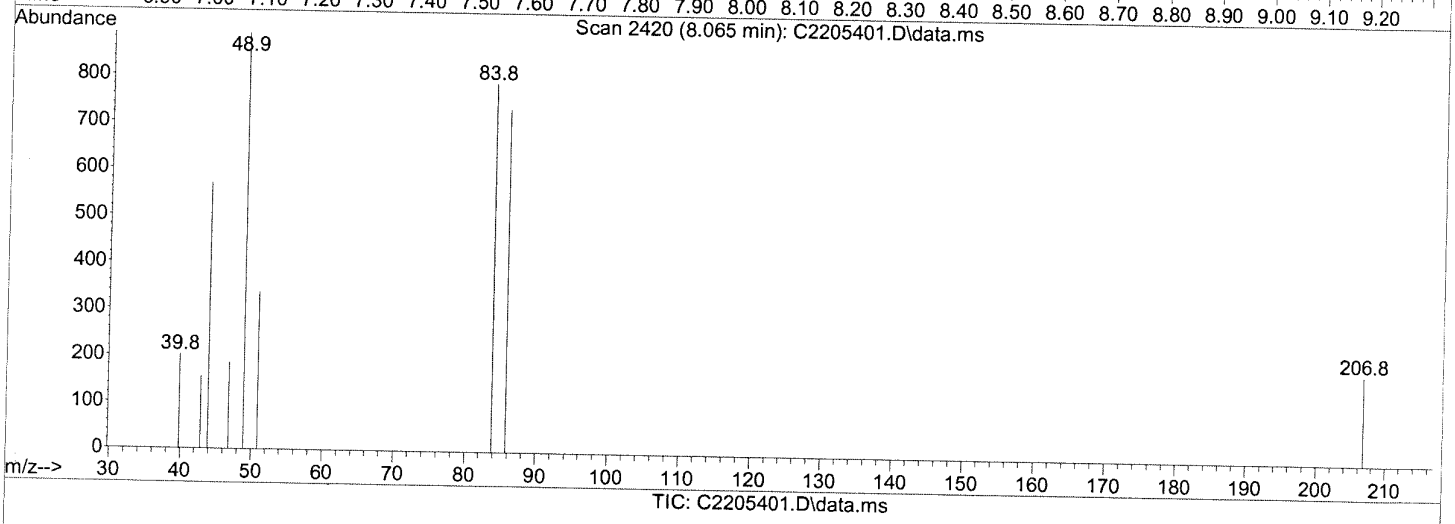
Ion	Exp%	Act%
184.00	100.00	0.00
92.00	8.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205401.D
Acq On : 23 Feb 2022 6:57 am
Operator : BGL
Sample : DFTPP 50 ng 2202022 f11941r24 Inst : GCMSSV3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 14:55:54 2022
Quant Method : C:\msdchem\1\methods\DFTPPE.M
Quant Title : dftpp
QLast Update : Thu Mar 10 13:31:06 2016
Response via : Initial Calibration





(4) DDT

8.065min (-8.065) 0.00

response 0

Ion	Exp%	Act%
234.90	100.00	0.00
165.00	39.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205403.D
Acq On : 23 Feb 2022 7:49 am
Operator : BGL
Sample : 8270std 2ppm 2111140 Inst : GCMSSV3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 23 14:58:02 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	79441	40.00	ug/ml	-0.14
19) NAPHTHALENE-d8	4.043	136	353153	40.00	ug/ml	-0.14
35) ACENAPHTHENE-D10	5.112	164	208136	40.00	ug/ml	-0.14
58) PHENANTHRENE-D10	6.034	188	390203	40.00	ug/ml	-0.14
71) CHRYSENE-D12	8.495	240	352924	40.00	ug/ml	-0.24
80) PERYLENE-D12	11.029	264	330949	40.00	ug/ml	-0.31
System Monitoring Compounds						
2) 2-Fluorophenol	2.643	112	7410	3.61	ug/ml	-0.13
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.80%#			
3) Phenol-d6	3.091	99	13530	3.92	ug/ml	-0.13
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.96%#			
20) Nitrobenzene-d5	3.619	82	6145	1.93	ug/ml	-0.14
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.93%#			
36) 2-Fluorobiphenyl	4.687	172	13453	1.93	ug/ml	-0.14
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.93%#			
37) 2,4,6-Tribromophenol	5.599	330	3085	3.46	ug/ml	-0.13
Spiked Amount 200.000	Range 30 - 130		Recovery = 1.73%#			
72) Terphenyl-d14	7.223	244	18399	1.90	ug/ml	-0.19
Spiked Amount 100.000	Range 30 - 130		Recovery = 1.90%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.020	42	2191	1.90	ug/ml	85
5) Pyridine	2.051	79	4490	1.66	ug/ml	90
6) Aniline	3.132	66	2498	2.19	ug/ml	91
7) Phenol	3.098	94	7890	1.92	ug/ml	90
8) Bis(2-chloroethyl)ether	3.153	63	3951	2.00	ug/ml	98
9) 2-Chlorophenol	3.201	128	6625	1.96	ug/ml	97
10) 1,3-Dichlorobenzene	3.286	146	6234	1.85	ug/ml	98
11) 1,4-Dichlorobenzene	3.325	146	6609	1.91	ug/ml	90
12) 1,2-Dichlorobenzene	3.410	146	6131	1.88	ug/ml	95
13) 2- METHYLPHENOL	3.428	108	5804	2.02	ug/ml	95
14) Bis(2-Chloroisopropyl)...	3.446	45	6170	2.15	ug/ml	81
15) Acetophenone	3.526	105	9022	2.05	ug/ml	98
16) 3/4- METHYLPHENOL	3.513	107	13650	3.96	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	3.516	70	4852	2.11	ug/ml	99
18) Hexachloroethane	3.601	117	2357	1.88	ug/ml	95
21) NITROBENZENE	3.629	77	6542	1.89	ug/ml	98
22) Isophorone	3.760	82	11246	1.86	ug/ml	99
23) 2-Nitrophenol	3.814	139	3659	1.77	ug/ml	81
24) 2,4-Dimethylphenol	3.819	122	5906	1.73	ug/ml	95
25) Bis(2-Chloroethoxy)met...	3.876	93	7490	1.89	ug/ml	98
26) Benzoic Acid	3.843	122	1894	0.94	ug/ml	93
27) 2,4-Dichlorophenol	3.953	162	5613	1.76	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.005	180	5856	1.85	ug/ml	95
29) Naphthalene	4.056	128	20153	1.95	ug/ml	99
30) 4-Chloroaniline	4.077	127	7099	2.04	ug/ml	93
31) Hexachlorobutadiene	4.121	225	3286	1.93	ug/ml	96
32) 4-Chloro-3-Methylphenol	4.360	107	5722	1.82	ug/ml	97
33) 2-MethylNaphthalene	4.471	142	12142	1.90	ug/ml	94
34) 1-Methylnaphthalene	4.530	142	13574	1.90	ug/ml	96
38) Hexachlorocyclopentadiene	4.564	237	1099	0.91	ug/ml	85
39) 1,2,4,5-Tetrachloroben...	4.569	216	6207	1.86	ug/ml	100
40) 2,4,6-Trichlorophenol	4.636	196	4200	1.84	ug/ml	98
41) 2,4,5-Trichlorophenol	4.661	196	4013	1.80	ug/ml	97

BNC02232.M Wed Feb 23 14:59:08 2022

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205403.D
Acq On : 23 Feb 2022 7:49 am
Operator : BGL
Sample : 8270std 2ppm 2111140 Inst : GCMSSV3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 23 14:58:02 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

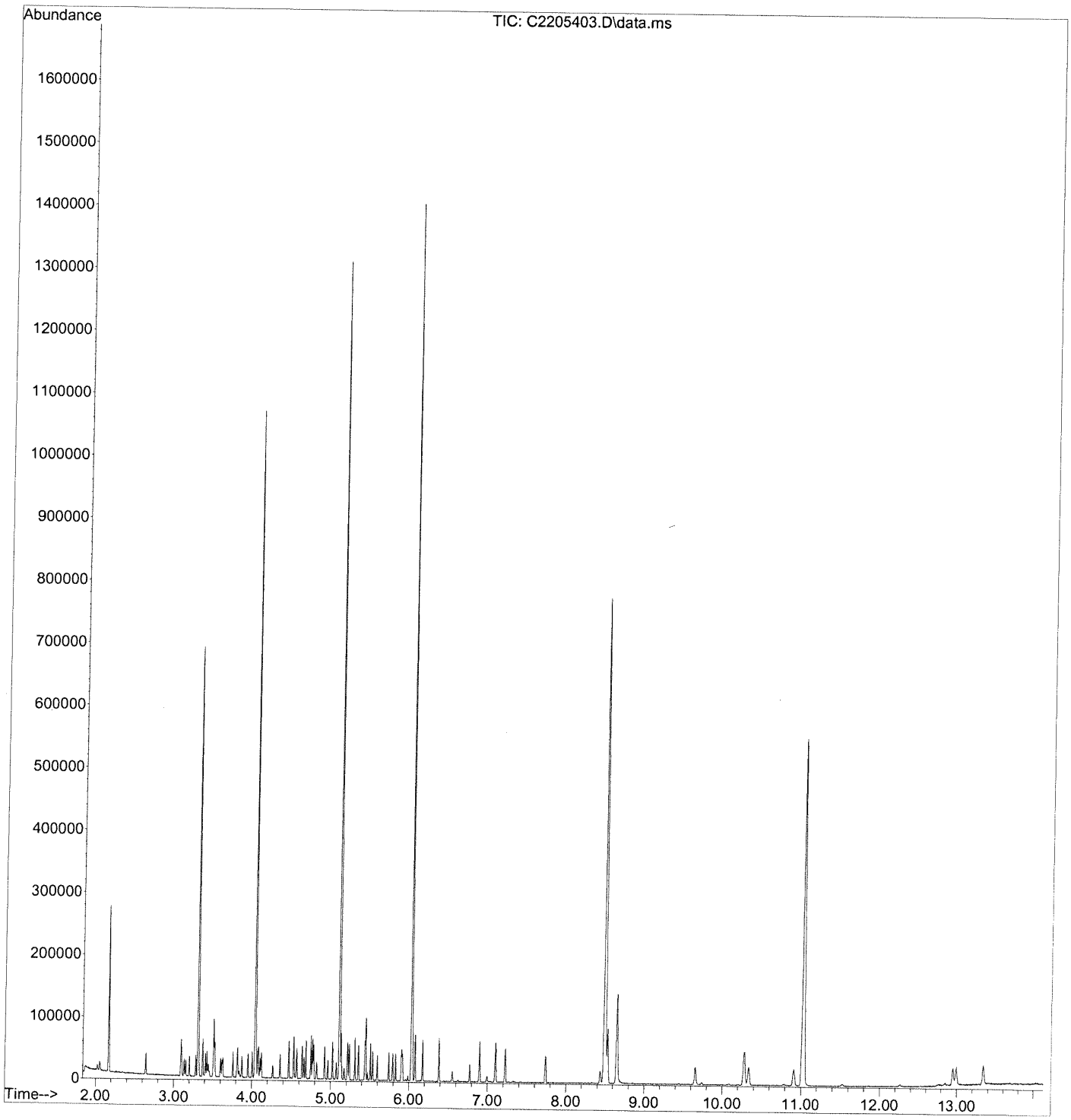
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2-ChloroNaphthalene	4.785	162	11189	1.72 ug/ml	98
43) 2-Nitroaniline	4.824	65	3103	1.80 ug/ml	94
44) 1,1-Biphenyl	4.749	154	15769	1.86 ug/ml	96
45) DIMETHYL PHTHALATE	4.924	163	14857	1.89 ug/ml#	82
46) 2,6-DinitroToluene	4.968	165	2995	1.75 ug/ml	88
47) Acenaphthylene	5.027	152	19493	1.85 ug/ml	99
48) 3-Nitroaniline	5.073	138	3194	1.79 ug/ml	99
49) Acenaphthene	5.133	154	12854	1.83 ug/ml	96
50) 2,4-Dinitrophenol	5.143	184	828	0.83 ug/ml#	50
51) 4-Nitrophenol	5.174	109	1439	1.54 ug/ml#	57
52) Dibenzofuran	5.236	168	17247	1.90 ug/ml	95
53) 2,4-Dinitrotoluene	5.220	165	4012	1.73 ug/ml	98
54) DIETHYL PHTHALATE	5.357	149	14487	1.93 ug/ml	97
55) 4-Chlorophenyl phenyl ...	5.439	204	7541	1.88 ug/ml	98
56) Flourene	5.449	166	14588	1.85 ug/ml	98
57) 4-Nitroaniline	5.449	138	3596	1.83 ug/ml#	85
59) 4,6-Dinitro-2-Methylph...	5.475	198	1543	1.07 ug/ml	84
60) N-Nitrosodiphenylamine	5.508	169	11109	1.62 ug/ml	100
61) 1,2-Diphenylhydrazine	5.537	77	12741	1.83 ug/ml	96
62) 4-Bromophenyl phenyl e...	5.743	248	4317	1.84 ug/ml	97
63) Hexachlorobenzene	5.792	284	4066	1.85 ug/ml	98
64) Pentachlorophenol	5.910	266	2064	1.41 ug/ml	95
65) Pentachloronitrobenzene	5.918	295	672	1.70 ug/ml	94
66) Phenanthrene	6.047	178	22247	1.90 ug/ml	99
67) Anthracene	6.080	178	22759	1.89 ug/ml	99
68) Carbazole	6.175	167	21213	1.88 ug/ml	96
69) Di-N-Butyl Phthalate	6.384	149	25879	1.89 ug/ml	99
70) Flouranthene	6.899	202	23883	1.84 ug/ml	96
73) Benzidine	6.994	184	5055	2.57 ug/ml	98
74) Pyrene	7.100	202	25567	1.92 ug/ml	98
75) Butylbenzyl phthalate	7.736	149	11199	1.87 ug/ml	95
76) 3,3'-Dichlorobenzidine	8.441	252	6991	1.78 ug/ml	99
77) Benzo(a)anthracene	8.482	228	24695	1.95 ug/ml	100
78) Chrysene	8.531	228	23023	1.91 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.529	149	14992	1.84 ug/ml	100
81) Di-n-octylphthalate	9.654	149	23886	1.74 ug/ml	98
82) Benzo(b)fluoranthene	10.285	252	21558	1.76 ug/ml	96
83) Benzo(k)fluoranthene	10.339	252	19636	1.82 ug/ml	94
84) Benzo(a)pyrene	10.910	252	19075	1.81 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.952	276	16212	1.83 ug/ml	92
86) Dibenz(a,h)anthracene	12.996	278	15994	1.79 ug/ml	92
87) Benzo(g,h,i)perylene	13.341	276	17324	1.87 ug/ml	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205403.D
Acq On : 23 Feb 2022 7:49 am
Operator : BGL
Sample : 8270std 2ppm 2111140 Inst : GCMSSV3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 23 14:58:02 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205404.D
Acq On : 23 Feb 2022 8:16 am
Operator : BGL
Sample : 8270std 5ppm 2111132 Inst : GCMSSV3
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 15:01:25 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	63829	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.044	136	273768	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.112	164	158667	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	293754	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.498	240	267147	40.00	ug/ml	0.00
80) PERYLENE-D12	11.029	264	257729	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.640	112	13868	8.41	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 4.21%#			
3) Phenol-d6	3.091	99	26048	9.40	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 4.70%#			
20) Nitrobenzene-d5	3.619	82	11631	4.71	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.71%#			
36) 2-Fluorobiphenyl	4.685	172	24881	4.69	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.69%#			
37) 2,4,6-Tribromophenol	5.596	330	5886	8.67	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 4.34%#			
72) Terphenyl-d14	7.226	244	33426	4.56	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 4.56%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.017	42	4174	4.50	ug/ml	89
5) Pyridine	2.048	79	8631	3.97	ug/ml	92
6) Aniline	3.132	66	4751	5.18	ug/ml	99
7) Phenol	3.099	94	14520	4.40	ug/ml	90
8) Bis(2-chloroethyl)ether	3.153	63	7352	4.62	ug/ml	98
9) 2-Chlorophenol	3.202	128	12262	4.51	ug/ml	98
10) 1,3-Dichlorobenzene	3.287	146	12419	4.58	ug/ml	99
11) 1,4-Dichlorobenzene	3.323	146	12578	4.52	ug/ml	97
12) 1,2-Dichlorobenzene	3.410	146	12003	4.57	ug/ml	98
13) 2- METHYLPHENOL	3.428	108	10476	4.53	ug/ml	96
14) Bis(2-Chloroisopropyl)...	3.446	45	11242	4.87	ug/ml	89
15) Acetophenone	3.529	105	16580	4.68	ug/ml	97
16) 3/4- METHYLPHENOL	3.513	107	25833	9.33	ug/ml	96
17) N-Nitroso-Di-N-Propyla...	3.518	70	8795	4.77	ug/ml	98
18) Hexachloroethane	3.601	117	4712	4.69	ug/ml	94
21) NITROBENZENE	3.629	77	12275	4.58	ug/ml	96
22) Isophorone	3.760	82	21035	4.50	ug/ml	98
23) 2-Nitrophenol	3.814	139	6853	4.27	ug/ml	88
24) 2,4-Dimethylphenol	3.820	122	11059	4.17	ug/ml	97
25) Bis(2-Chloroethoxy)met...	3.876	93	13707	4.47	ug/ml	99
26) Benzoic Acid	3.845	122	4746	3.03	ug/ml#	85
27) 2,4-Dichlorophenol	3.953	162	10876	4.39	ug/ml	97
28) 1,2,4-Trichlorobenzene	4.005	180	11015	4.49	ug/ml	94
29) Naphthalene	4.056	128	36369	4.55	ug/ml	99
30) 4-Chloroaniline	4.077	127	12997	4.82	ug/ml	93
31) Hexachlorobutadiene	4.121	225	5847	4.44	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.360	107	10453	4.28	ug/ml	95
33) 2-MethylNaphthalene	4.471	142	21931	4.44	ug/ml	94
34) 1-Methylnaphthalene	4.530	142	24790	4.48	ug/ml	96
38) Hexachlorocyclopentadiene	4.564	237	2355	2.55	ug/ml	94
39) 1,2,4,5-Tetrachloroben...	4.571	216	11522	4.53	ug/ml	100
40) 2,4,6-Trichlorophenol	4.636	196	7298	4.20	ug/ml	93
41) 2,4,5-Trichlorophenol	4.661	196	7385	4.35	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205404.D
Acq On : 23 Feb 2022 8:16 am
Operator : BGL
Sample : 8270std 5ppm 2111132 Inst : GCMSSV3
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 15:01:25 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

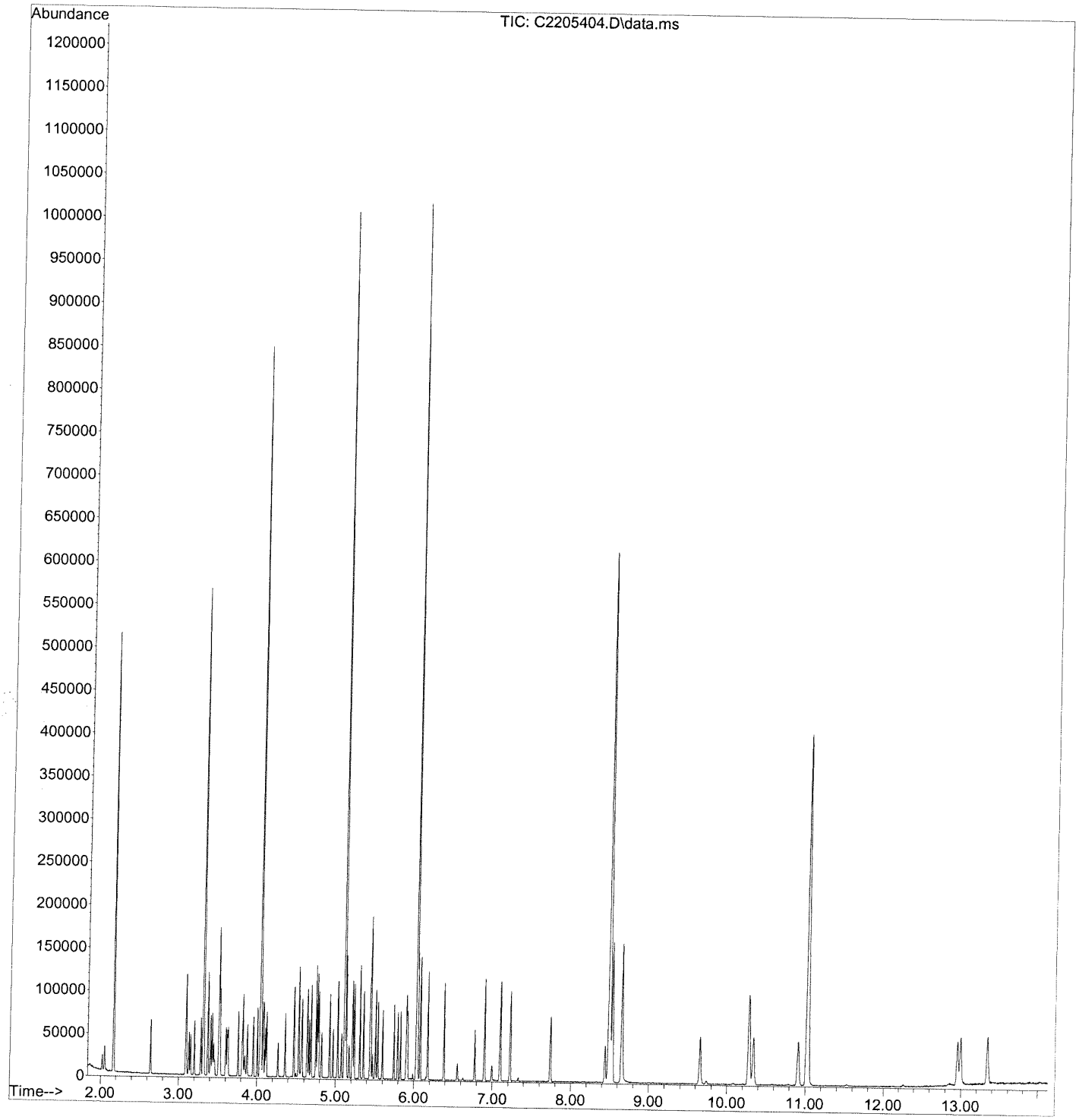
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2-ChloroNaphthalene	4.770	162	26757	5.39 ug/ml	99
43) 2-Nitroaniline	4.824	65	5768	4.39 ug/ml	89
44) 1,1-Biphenyl	4.749	154	28417	4.39 ug/ml	98
45) DIMETHYL PHTHALATE	4.924	163	26933	4.49 ug/ml#	82
46) 2,6-DinitroToluene	4.968	165	5647	4.32 ug/ml	88
47) Acenaphthylene	5.027	152	36699	4.58 ug/ml	99
48) 3-Nitroaniline	5.073	138	6308	4.63 ug/ml	92
49) Acenaphthene	5.133	154	23484	4.38 ug/ml	97
50) 2,4-Dinitrophenol	5.140	184	1823	2.39 ug/ml#	74
51) 4-Nitrophenol	5.171	109	3017	4.24 ug/ml#	68
52) Dibenzofuran	5.236	168	32008	4.64 ug/ml	91
53) 2,4-Dinitrotoluene	5.220	165	7100	4.01 ug/ml	98
54) DIETHYL PHTHALATE	5.357	149	25563	4.48 ug/ml	98
55) 4-Chlorophenyl phenyl ...	5.439	204	13197	4.31 ug/ml	97
56) Flourene	5.449	166	27097	4.51 ug/ml	99
57) 4-Nitroaniline	5.449	138	7041	4.71 ug/ml#	80
59) 4,6-Dinitro-2-Methylph...	5.473	198	3210	2.96 ug/ml	94
60) N-Nitrosodiphenylamine	5.511	169	19754	3.82 ug/ml	99
61) 1,2-Diphenylhydrazine	5.539	77	23419	4.47 ug/ml	96
62) 4-Bromophenyl phenyl e...	5.743	248	7584	4.28 ug/ml	97
63) Hexachlorobenzene	5.792	284	7299	4.41 ug/ml	98
64) Pentachlorophenol	5.910	266	3726	3.38 ug/ml	96
65) Pentachloronitrobenzene	5.918	295	1239	4.17 ug/ml#	87
66) Phenanthrene	6.047	178	40201	4.56 ug/ml	98
67) Anthracene	6.080	178	40631	4.49 ug/ml	99
68) Carbazole	6.175	167	37623	4.43 ug/ml	98
69) Di-N-Butyl Phthalate	6.384	149	43823	4.26 ug/ml	98
70) Flouranthene	6.899	202	42436	4.33 ug/ml	97
73) Benzidine	6.997	184	8805	5.91 ug/ml	96
74) Pyrene	7.100	202	45195	4.48 ug/ml	99
75) Butylbenzyl phthalate	7.738	149	19497	4.29 ug/ml	99
76) 3,3'-Dichlorobenzidine	8.441	252	13366	4.49 ug/ml	98
77) Benzo(a)anthracene	8.482	228	43089	4.49 ug/ml	99
78) Chrysene	8.534	228	42328	4.63 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.529	149	27162	4.41 ug/ml	98
81) Di-n-octylphthalate	9.657	149	43969	4.11 ug/ml	99
82) Benzo(b)fluoranthene	10.287	252	41185	4.32 ug/ml	96
83) Benzo(k)fluoranthene	10.339	252	36432	4.33 ug/ml	94
84) Benzo(a)pyrene	10.910	252	35262	4.30 ug/ml	96
85) Indeno(1,2,3-cd)pyrene	12.955	276	31209	4.51 ug/ml	93
86) Dibenz(a,h)anthracene	12.999	278	30068	4.33 ug/ml	91
87) Benzo(g,h,i)perylene	13.346	276	33172	4.61 ug/ml	90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205404.D
Acq On : 23 Feb 2022 8:16 am
Operator : BGL
Sample : 8270std 5ppm 2111132 Inst : GCMSSV3
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 15:01:25 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205405.D
Acq On : 23 Feb 2022 8:43 am
Operator : BGL
Sample : 8270std 10ppm 2111134 Inst : GCMSSV3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 15:02:21 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	65216	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.043	136	278992	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.112	164	163202	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	291657	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.495	240	268341	40.00	ug/ml	0.00
80) PERYLENE-D12	11.026	264	261441	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.640	112	34505	20.49	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 10.24%#			
3) Phenol-d6	3.091	99	61682	21.80	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 10.90%#			
20) Nitrobenzene-d5	3.619	82	27157	10.78	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.78%#			
36) 2-Fluorobiphenyl	4.685	172	58653	10.76	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.76%#			
37) 2,4,6-Tribromophenol	5.599	330	13210	18.92	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 9.46%#			
72) Terphenyl-d14	7.223	244	77229	10.49	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.49%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.017	42	9771	10.32	ug/ml#	82
5) Pyridine	2.048	79	21542	9.70	ug/ml	92
6) Aniline	3.132	66	11177	11.94	ug/ml#	91
7) Phenol	3.099	94	35787	10.60	ug/ml	88
8) Bis(2-chloroethyl)ether	3.153	63	17108	10.52	ug/ml	98
9) 2-Chlorophenol	3.202	128	29363	10.57	ug/ml	98
10) 1,3-Dichlorobenzene	3.286	146	29138	10.51	ug/ml	99
11) 1,4-Dichlorobenzene	3.325	146	29923	10.52	ug/ml	98
12) 1,2-Dichlorobenzene	3.410	146	28564	10.65	ug/ml	99
13) 2- METHYLPHENOL	3.431	108	25936	10.98	ug/ml	90
14) Bis(2-Chloroisopropyl)...	3.446	45	26159	11.09	ug/ml	84
15) Acetophenone	3.529	105	39421	10.89	ug/ml	99
16) 3/4- METHYLPHENOL	3.513	107	61499	21.74	ug/ml	96
17) N-Nitroso-Di-N-Propyla...	3.518	70	20674	10.97	ug/ml	98
18) Hexachloroethane	3.603	117	10776	10.49	ug/ml	95
21) NITROBENZENE	3.629	77	28317	10.37	ug/ml	97
22) Isophorone	3.760	82	49753	10.44	ug/ml	98
23) 2-Nitrophenol	3.814	139	16470	10.07	ug/ml	88
24) 2,4-Dimethylphenol	3.819	122	26631	9.86	ug/ml	97
25) Bis(2-Chloroethoxy)met...	3.876	93	31623	10.12	ug/ml	97
26) Benzoic Acid	3.853	122	12675	7.94	ug/ml	85
27) 2,4-Dichlorophenol	3.953	162	25118	9.96	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.005	180	25762	10.31	ug/ml	96
29) Naphthalene	4.056	128	86161	10.57	ug/ml	99
30) 4-Chloroaniline	4.077	127	31026	11.29	ug/ml	96
31) Hexachlorobutadiene	4.121	225	13873	10.33	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.360	107	25162	10.11	ug/ml	96
33) 2-MethylNaphthalene	4.471	142	52820	10.48	ug/ml	93
34) 1-Methylnaphthalene	4.530	142	59500	10.54	ug/ml	95
38) Hexachlorocyclopentadiene	4.564	237	7160	7.53	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	4.571	216	27057	10.33	ug/ml	99
40) 2,4,6-Trichlorophenol	4.638	196	18061	10.11	ug/ml	96
41) 2,4,5-Trichlorophenol	4.661	196	17507	10.03	ug/ml	96

nonnet

CURRENT STANDARD FOR 23 Feb 22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205405.D
Acq On : 23 Feb 2022 8:43 am
Operator : BGL
Sample : 8270std 10ppm 2111134 Inst : GCMSSV3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 15:02:21 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

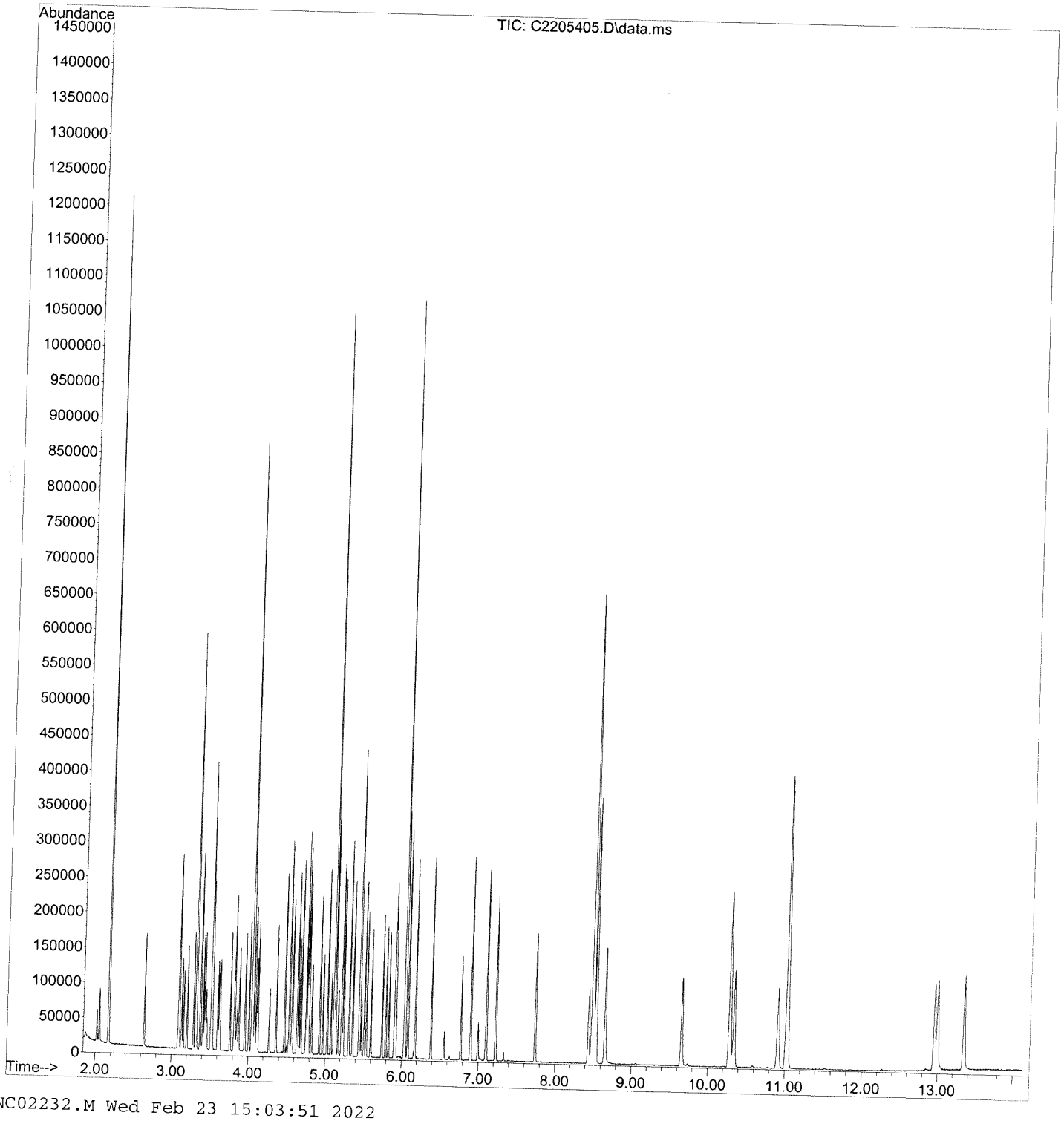
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2-ChloroNaphthalene	4.770	162	63257	11.93 ug/ml	99
43) 2-Nitroaniline	4.824	65	13631	10.08 ug/ml	94
44) 1,1-Biphenyl	4.749	154	69594	10.46 ug/ml	96
45) DIMETHYL PHTHALATE	4.924	163	63623	10.32 ug/ml#	82
46) 2,6-DinitroToluene	4.968	165	13391	9.95 ug/ml	89
47) Acenaphthylene	5.027	152	84625	10.27 ug/ml	99
48) 3-Nitroaniline	5.073	138	14611	10.43 ug/ml	96
49) Acenaphthene	5.133	154	57109	10.36 ug/ml	98
50) 2,4-Dinitrophenol	5.143	184	5584	7.11 ug/ml	97
51) 4-Nitrophenol	5.171	109	7027	9.59 ug/ml#	62
52) Dibenzofuran	5.236	168	73211	10.31 ug/ml	94
53) 2,4-Dinitrotoluene	5.218	165	17536	9.62 ug/ml	98
54) DIETHYL PHTHALATE	5.357	149	59173	10.07 ug/ml	98
55) 4-Chlorophenyl phenyl ...	5.439	204	31163	9.89 ug/ml	98
56) Flourene	5.449	166	63135	10.22 ug/ml	99
57) 4-Nitroaniline	5.449	138	15105	9.83 ug/ml#	83
59) 4,6-Dinitro-2-Methylph...	5.472	198	8922	8.29 ug/ml	95
60) N-Nitrosodiphenylamine	5.511	169	44994	8.77 ug/ml	98
61) 1,2-Diphenylhydrazine	5.537	77	53774	10.35 ug/ml	95
62) 4-Bromophenyl phenyl e...	5.743	248	17479	9.94 ug/ml	96
63) Hexachlorobenzene	5.792	284	16676	10.16 ug/ml	99
64) Pentachlorophenol	5.910	266	9850	9.01 ug/ml	100
65) Pentachloronitrobenzene	5.918	295	2972	10.06 ug/ml#	89
66) Phenanthrene	6.047	178	92410	10.55 ug/ml	98
67) Anthracene	6.080	178	94678	10.53 ug/ml	99
68) Carbazole	6.175	167	86660	10.27 ug/ml	97
69) Di-N-Butyl Phthalate	6.384	149	104684	10.24 ug/ml	99
70) Flouranthene	6.899	202	98954	10.17 ug/ml	97
73) Benzidine	6.994	184	24232	16.20 ug/ml	96
74) Pyrene	7.102	202	105421	10.40 ug/ml	99
75) Butylbenzyl phthalate	7.736	149	47309	10.37 ug/ml	97
76) 3,3'-Dichlorobenzidine	8.439	252	32362	10.83 ug/ml	99
77) Benzo(a)anthracene	8.482	228	100974	10.46 ug/ml	99
78) Chrysene	8.534	228	96877	10.55 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.526	149	63791	10.30 ug/ml	97
81) Di-n-octylphthalate	9.654	149	105316	9.71 ug/ml	98
82) Benzo(b)fluoranthene	10.287	252	95938	9.92 ug/ml	97
83) Benzo(k)fluoranthene	10.341	252	85994	10.08 ug/ml	95
84) Benzo(a)pyrene	10.910	252	83833	10.08 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.957	276	72577	10.34 ug/ml	94
86) Dibenz(a,h)anthracene	12.996	278	72091	10.23 ug/ml	91
87) Benzo(g,h,i)perylene	13.346	276	79046	10.83 ug/ml	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205405.D
Acq On : 23 Feb 2022 8:43 am
Operator : BGL
Sample : 8270std 10ppm 2111134 Inst : GCMSSV3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 15:02:21 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205406.D
Acq On : 23 Feb 2022 9:10 am
Operator : BGL
Sample : 8270std 20ppm 2111135 Inst : GCMSSV3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 15:03:57 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	59764	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.044	136	255883	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.112	164	150546	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	271769	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.498	240	247969	40.00	ug/ml	0.00
80) PERYLENE-D12	11.026	264	229777	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.643	112	63999	41.47	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 20.73%#			
3) Phenol-d6	3.093	99	111752	43.09	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 21.55%#			
20) Nitrobenzene-d5	3.619	82	48807	21.13	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.13%#			
36) 2-Fluorobiphenyl	4.687	172	104149	20.71	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.71%#			
37) 2,4,6-Tribromophenol	5.599	330	24322	37.76	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 18.88%#			
72) Terphenyl-d14	7.226	244	139703	20.54	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.54%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.017	42	17013	19.60	ug/ml#	81
5) Pyridine	2.046	79	39324	19.32	ug/ml	92
6) Aniline	3.132	66	19106	22.26	ug/ml	94
7) Phenol	3.101	94	63967	20.68	ug/ml	89
8) Bis(2-chloroethyl)ether	3.153	63	30158	20.24	ug/ml	100
9) 2-Chlorophenol	3.202	128	52026	20.44	ug/ml	98
10) 1,3-Dichlorobenzene	3.287	146	50196	19.77	ug/ml	99
11) 1,4-Dichlorobenzene	3.325	146	52152	20.01	ug/ml	99
12) 1,2-Dichlorobenzene	3.410	146	50471	20.54	ug/ml	97
13) 2- METHYLPHENOL	3.431	108	45693	21.12	ug/ml	91
14) Bis(2-Chloroisopropyl)...	3.446	45	45259	20.94	ug/ml	85
15) Acetophenone	3.529	105	70075	21.12	ug/ml	94
16) 3/4- METHYLPHENOL	3.513	107	108414	41.82	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	3.521	70	36472	21.11	ug/ml	98
18) Hexachloroethane	3.601	117	19523	20.74	ug/ml	93
21) NITROBENZENE	3.632	77	49958	19.94	ug/ml	96
22) Isophorone	3.763	82	88916	20.33	ug/ml	99
23) 2-Nitrophenol	3.814	139	29181	19.45	ug/ml	87
24) 2,4-Dimethylphenol	3.822	122	49172	19.84	ug/ml	98
25) Bis(2-Chloroethoxy)met...	3.876	93	58961	20.58	ug/ml	98
26) Benzoic Acid	3.861	122	25765	17.59	ug/ml	88
27) 2,4-Dichlorophenol	3.953	162	45848	19.82	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.005	180	44738	19.51	ug/ml	96
29) Naphthalene	4.056	128	150523	20.14	ug/ml	99
30) 4-Chloroaniline	4.077	127	54006	21.42	ug/ml	96
31) Hexachlorobutadiene	4.121	225	24589	19.96	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.360	107	45269	19.83	ug/ml	96
33) 2-MethylNaphthalene	4.471	142	93487	20.23	ug/ml	94
34) 1-Methylnaphthalene	4.533	142	103502	19.99	ug/ml	96
38) Hexachlorocyclopentadiene	4.564	237	15378	17.54	ug/ml	97
39) 1,2,4,5-Tetrachloroben...	4.571	216	48025	19.88	ug/ml	99
40) 2,4,6-Trichlorophenol	4.638	196	32079	19.46	ug/ml	98
41) 2,4,5-Trichlorophenol	4.664	196	31102	19.32	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205406.D
Acq On : 23 Feb 2022 9:10 am
Operator : BGL
Sample : 8270std 20ppm 2111135 Inst : GCMSSV3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 15:03:57 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration

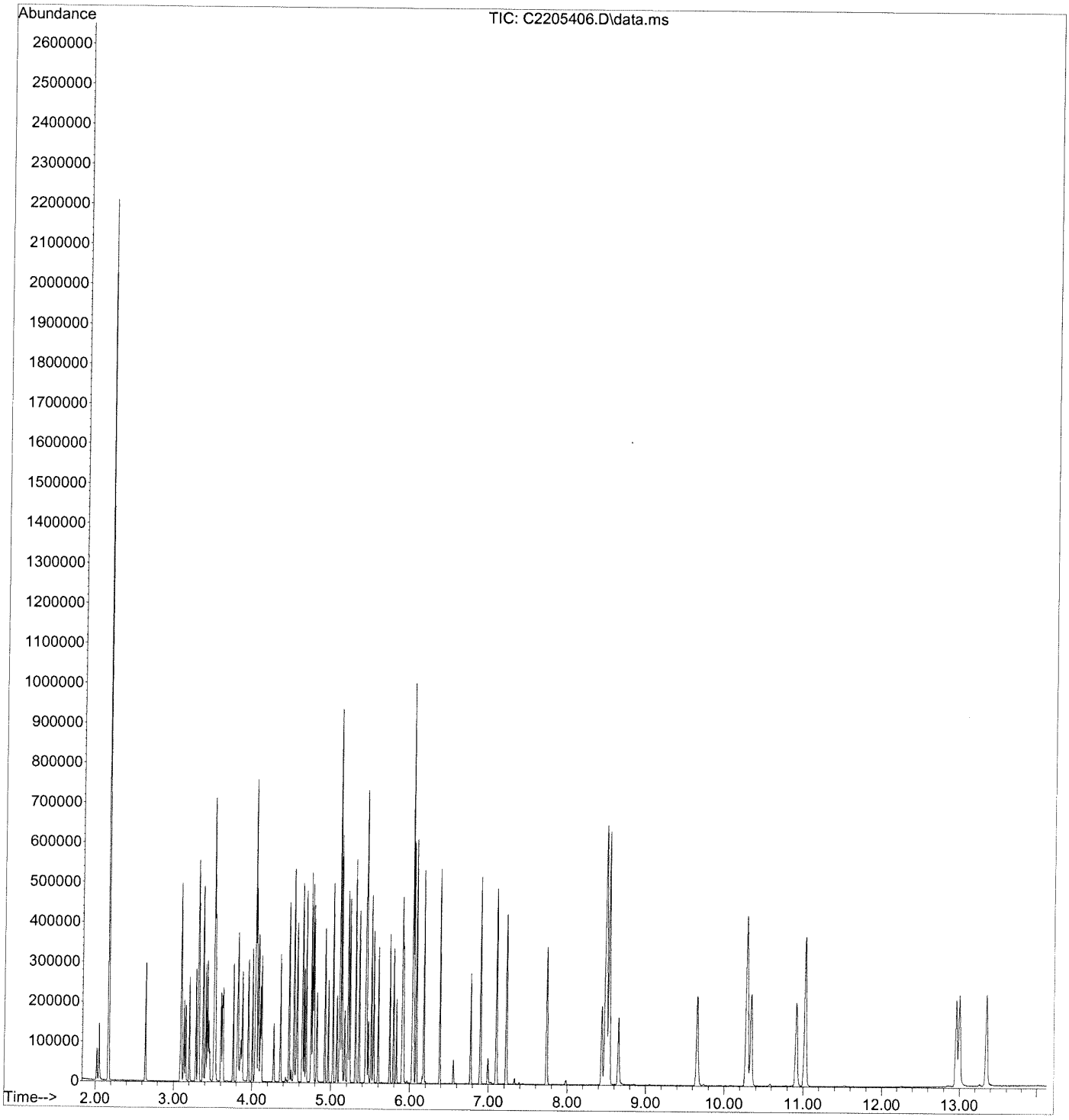
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-ChloroNaphthalene	4.770	162	108153	21.30	ug/ml	99
43) 2-Nitroaniline	4.824	65	24502	19.64	ug/ml	90
44) 1,1-Biphenyl	4.752	154	120276	19.59	ug/ml	98
45) DIMETHYL PHTHALATE	4.927	163	114262	20.09	ug/ml	99
46) 2,6-DinitroToluene	4.968	165	24421	19.68	ug/ml	90
47) Acenaphthylene	5.027	152	154209	20.28	ug/ml	99
48) 3-Nitroaniline	5.076	138	27205	21.05	ug/ml	93
49) Acenaphthene	5.133	154	101323	19.92	ug/ml	98
50) 2,4-Dinitrophenol	5.143	184	11601	16.02	ug/ml	93
51) 4-Nitrophenol	5.171	109	13248	19.61	ug/ml#	64
52) Dibenzofuran	5.238	168	131739	20.11	ug/ml	93
53) 2,4-Dinitrotoluene	5.220	165	33388	19.86	ug/ml	94
54) DIETHYL PHTHALATE	5.359	149	107554	19.85	ug/ml	97
55) 4-Chlorophenyl phenyl ...	5.439	204	57408	19.76	ug/ml	98
56) Flourene	5.449	166	114610	20.11	ug/ml	98
57) 4-Nitroaniline	5.452	138	27247	19.21	ug/ml#	83
59) 4,6-Dinitro-2-Methylph...	5.475	198	17812	17.76	ug/ml	95
60) N-Nitrosodiphenylamine	5.511	169	83099	17.37	ug/ml	98
61) 1,2-Diphenylhydrazine	5.539	77	100565	20.76	ug/ml	95
62) 4-Bromophenyl phenyl e...	5.743	248	33209	20.27	ug/ml	98
63) Hexachlorobenzene	5.792	284	30311	19.81	ug/ml	99
64) Pentachlorophenol	5.910	266	18873	18.53	ug/ml	100
65) Pentachloronitrobenzene	5.918	295	5428	19.73	ug/ml#	90
66) Phenanthrene	6.047	178	165156	20.24	ug/ml	98
67) Anthracene	6.080	178	171100	20.42	ug/ml	99
68) Carbazole	6.175	167	154044	19.60	ug/ml	98
69) Di-N-Butyl Phthalate	6.384	149	193397	20.30	ug/ml	99
70) Flouranthene	6.899	202	182474	20.13	ug/ml	97
73) Benzidine	6.994	184	27006	19.54	ug/ml	97
74) Pyrene	7.100	202	191466	20.43	ug/ml	99
75) Butylbenzyl phthalate	7.738	149	84178	19.97	ug/ml	98
76) 3,3'-Dichlorobenzidine	8.441	252	57431	20.79	ug/ml	99
77) Benzo(a)anthracene	8.482	228	178888	20.06	ug/ml	99
78) Chrysene	8.534	228	168724	19.88	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.529	149	115175	20.13	ug/ml	98
81) Di-n-octylphthalate	9.657	149	187389	19.65	ug/ml	97
82) Benzo(b)fluoranthene	10.290	252	167630	19.72	ug/ml	97
83) Benzo(k)fluoranthene	10.344	252	150056	20.01	ug/ml	95
84) Benzo(a)pyrene	10.916	252	145252	19.87	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	12.957	276	126425	20.50	ug/ml	92
86) Dibenz(a,h)anthracene	12.996	278	126132	20.29	ug/ml	93
87) Benzo(g,h,i)perylene	13.349	276	137592	21.45	ug/ml	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205406.D
Acq On : 23 Feb 2022 9:10 am
Operator : BGL
Sample : 8270std 20ppm 2111135 Inst : GCMSSV3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 15:03:57 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 14:57:58 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205407.D
Acq On : 23 Feb 2022 9:37 am
Operator : BGL
Sample : 8270std 50ppm 2111136 Inst : GCMSSV3
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 15:10:45 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:09:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	57748	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.046	136	230639	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.112	164	134469	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	249605	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.500	240	234775	40.00	ug/ml	0.00
80) PERYLENE-D12	11.031	264	217779	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.643	112	154889	103.88	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.94%			
3) Phenol-d6	3.096	99	256956	102.54	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.27%			
20) Nitrobenzene-d5	3.621	82	105320	50.58	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.58%			
36) 2-Fluorobiphenyl	4.687	172	226068	50.33	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.33%			
37) 2,4,6-Tribromophenol	5.601	330	56879	98.85	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 49.42%			
72) Terphenyl-d14	7.226	244	324933	50.46	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.46%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.020	42	41357	49.31	ug/ml#	97
5) Pyridine	2.048	79	101391	51.55	ug/ml	93
6) Aniline	3.137	66	38982	47.01	ug/ml	98
7) Phenol	3.104	94	148436	49.67	ug/ml	88
8) Bis(2-chloroethyl)ether	3.155	63	72705	50.51	ug/ml	96
9) 2-Chlorophenol	3.204	128	120225	48.88	ug/ml	99
10) 1,3-Dichlorobenzene	3.286	146	118904	48.46	ug/ml	99
11) 1,4-Dichlorobenzene	3.325	146	124212	49.32	ug/ml	99
12) 1,2-Dichlorobenzene	3.410	146	115399	48.61	ug/ml	99
13) 2- METHYLPHENOL	3.431	108	102220	48.89	ug/ml	92
14) Bis(2-Chloroisopropyl)...	3.449	45	100692	48.21	ug/ml	82
15) Acetophenone	3.531	105	154991	48.35	ug/ml	92
16) 3/4- METHYLPHENOL	3.518	107	244088	97.45	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	3.523	70	80524	48.24	ug/ml	97
18) Hexachloroethane	3.603	117	44229	48.62	ug/ml	95
21) NITROBENZENE	3.632	77	111499	49.38	ug/ml	95
22) Isophorone	3.765	82	192287	48.79	ug/ml	98
23) 2-Nitrophenol	3.814	139	67703	50.06	ug/ml	85
24) 2,4-Dimethylphenol	3.822	122	111330	49.85	ug/ml	97
25) Bis(2-Chloroethoxy)met...	3.879	93	125645	48.65	ug/ml	96
26) Benzoic Acid	3.876	122	65663	49.74	ug/ml	86
27) 2,4-Dichlorophenol	3.953	162	103004	49.40	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.007	180	101027	48.89	ug/ml	96
29) Naphthalene	4.059	128	330373	49.03	ug/ml	100
30) 4-Chloroaniline	4.080	127	113498	49.95	ug/ml	97
31) Hexachlorobutadiene	4.123	225	55289	49.79	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.363	107	101943	49.53	ug/ml	96
33) 2-MethylNaphthalene	4.471	142	205764	49.40	ug/ml	95
34) 1-Methylnaphthalene	4.533	142	226975	48.64	ug/ml	97
38) Hexachlorocyclopentadiene	4.564	237	41109	46.33	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	4.574	216	106267	49.25	ug/ml	99
40) 2,4,6-Trichlorophenol	4.638	196	72798	49.44	ug/ml	98
41) 2,4,5-Trichlorophenol	4.667	196	71133	49.46	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205407.D
Acq On : 23 Feb 2022 9:37 am
Operator : BGL
Sample : 8270std 50ppm 2111136 Inst : GCMSSV3
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 15:10:45 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:09:33 2022
Response via : Initial Calibration

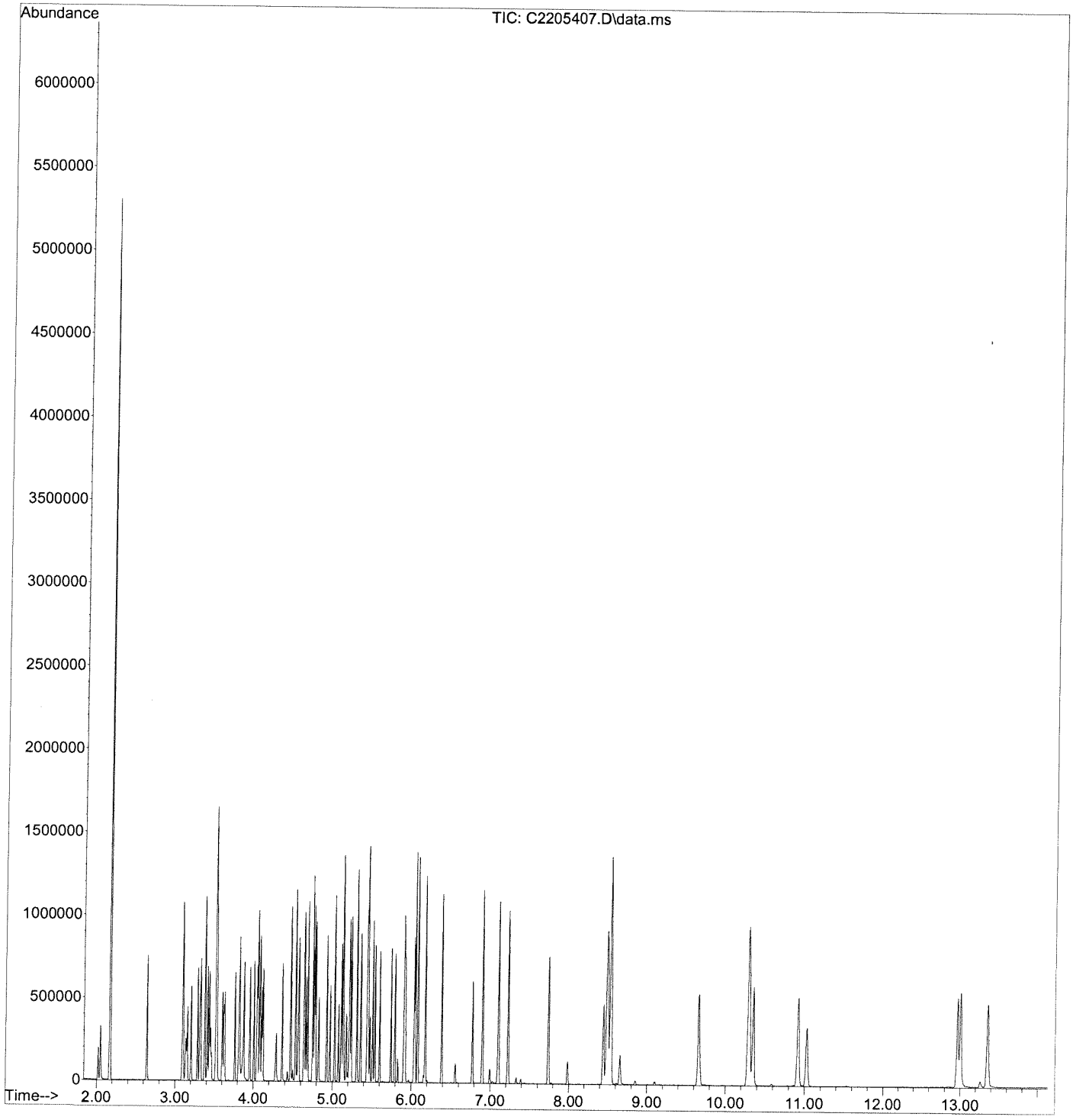
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2-ChloroNaphthalene	4.772	162	248652	53.40 ug/ml	99
43) 2-Nitroaniline	4.826	65	55561	49.87 ug/ml	91
44) 1,1-Biphenyl	4.752	154	271800	49.56 ug/ml	98
45) DIMETHYL PHTHALATE	4.927	163	251697	49.54 ug/ml	100
46) 2,6-DinitroToluene	4.970	165	54207	48.90 ug/ml	88
47) Acenaphthylene	5.027	152	336497	49.55 ug/ml	98
48) 3-Nitroaniline	5.079	138	58630	50.78 ug/ml	92
49) Acenaphthene	5.133	154	225479	49.63 ug/ml	98
50) 2,4-Dinitrophenol	5.145	184	31544	46.80 ug/ml#	38
51) 4-Nitrophenol	5.174	109	29772	49.33 ug/ml#	60
52) Dibenzofuran	5.238	168	287916	49.21 ug/ml	94
53) 2,4-Dinitrotoluene	5.223	165	76336	50.83 ug/ml	94
54) DIETHYL PHTHALATE	5.359	149	237257	49.02 ug/ml	97
55) 4-Chlorophenyl phenyl ...	5.442	204	128541	49.52 ug/ml	97
56) Flourene	5.449	166	252008	49.52 ug/ml	99
57) 4-Nitroaniline	5.457	138	62998	49.73 ug/ml#	83
59) 4,6-Dinitro-2-Methylph...	5.478	198	45505	49.39 ug/ml	94
60) N-Nitrosodiphenylamine	5.514	169	181648	41.35 ug/ml	99
61) 1,2-Diphenylhydrazine	5.539	77	214708	48.27 ug/ml	95
62) 4-Bromophenyl phenyl e...	5.745	248	73266	48.69 ug/ml	98
63) Hexachlorobenzene	5.794	284	69621	49.55 ug/ml	98
64) Pentachlorophenol	5.913	266	45987	49.16 ug/ml	99
65) Pentachloronitrobenzene	5.920	295	12118	47.95 ug/ml#	90
66) Phenanthrene	6.049	178	366645	48.92 ug/ml	99
67) Anthracene	6.083	178	379011	49.26 ug/ml	100
68) Carbazole	6.178	167	354653	49.12 ug/ml	98
69) Di-N-Butyl Phthalate	6.387	149	435625	49.80 ug/ml	99
70) Flouranthene	6.901	202	416743	50.06 ug/ml	97
73) Benzidine	6.997	184	35070	26.81 ug/ml	96
74) Pyrene	7.105	202	437896	49.36 ug/ml	99
75) Butylbenzyl phthalate	7.741	149	195564	48.99 ug/ml	98
76) 3,3'-Dichlorobenzidine	8.444	252	134332	51.37 ug/ml	98
77) Benzo(a)anthracene	8.488	228	416505	49.34 ug/ml	100
78) Chrysene	8.539	228	397467	49.45 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.531	149	270608	49.96 ug/ml	98
81) Di-n-octylphthalate	9.659	149	449400	49.73 ug/ml	97
82) Benzo(b)fluoranthene	10.305	252	403941	50.13 ug/ml	97
83) Benzo(k)fluoranthene	10.352	252	354919	49.94 ug/ml	95
84) Benzo(a)pyrene	10.921	252	347178	50.11 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.968	276	304747	52.14 ug/ml	93
86) Dibenz(a,h)anthracene	13.006	278	322010	54.29 ug/ml	94
87) Benzo(g,h,i)perylene	13.359	276	325420	53.52 ug/ml	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205407.D
Acq On : 23 Feb 2022 9:37 am
Operator : BGL
Sample : 8270std 50ppm 2111136 Inst : GCMSSV3
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 15:10:45 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:09:33 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205408.D
Acq On : 23 Feb 2022 10:04 am
Operator : BGL
Sample : 8270std 80ppm 2111137 Inst : GCMSSV3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 15:13:26 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:12:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	54279	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.046	136	210122	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.115	164	122481	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	225080	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.503	240	215922	40.00	ug/ml	0.00
80) PERYLENE-D12	11.031	264	193958	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.643	112	230842	164.71	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 82.36%			
3) Phenol-d6	3.096	99	371390	157.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 78.84%			
20) Nitrobenzene-d5	3.621	82	153334	80.82	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.82%			
36) 2-Fluorobiphenyl	4.687	172	332905	81.37	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 81.37%			
37) 2,4,6-Tribromophenol	5.601	330	86773	165.57	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 82.78%			
72) Terphenyl-d14	7.229	244	482616	81.49	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 81.49%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.020	42	61917	78.54	ug/ml	100
5) Pyridine	2.048	79	151298	81.85	ug/ml	99
6) Aniline	3.135	66	51892	66.58	ug/ml#	56
7) Phenol	3.104	94	217797	77.53	ug/ml	100
8) Bis(2-chloroethyl)ether	3.155	63	107189	79.22	ug/ml#	70
9) 2-Chlorophenol	3.204	128	176706	76.44	ug/ml	99
10) 1,3-Dichlorobenzene	3.287	146	182185	78.99	ug/ml	99
11) 1,4-Dichlorobenzene	3.325	146	184664	78.01	ug/ml	99
12) 1,2-Dichlorobenzene	3.410	146	171373	76.81	ug/ml	99
13) 2- METHYLPHENOL	3.433	108	143645	73.09	ug/ml	97
14) Bis(2-Chloroisopropyl)...	3.449	45	144479	73.60	ug/ml	98
15) Acetophenone	3.531	105	225029	74.68	ug/ml#	55
16) 3/4- METHYLPHENOL	3.521	107	352009	149.52	ug/ml#	79
17) N-Nitroso-Di-N-Propyla...	3.526	70	116373	74.18	ug/ml	99
18) Hexachloroethane	3.603	117	66379	77.64	ug/ml	99
21) NITROBENZENE	3.634	77	161381	78.46	ug/ml	100
22) Isophorone	3.768	82	278131	77.46	ug/ml	99
23) 2-Nitrophenol	3.814	139	97705	79.29	ug/ml	98
24) 2,4-Dimethylphenol	3.825	122	161562	79.40	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.879	93	184990	78.62	ug/ml	100
26) Benzoic Acid	3.884	122	98856	82.20	ug/ml	98
27) 2,4-Dichlorophenol	3.956	162	151265	79.62	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.007	180	147877	78.55	ug/ml	99
29) Naphthalene	4.059	128	481756	78.48	ug/ml	100
30) 4-Chloroaniline	4.082	127	148068	71.53	ug/ml	99
31) Hexachlorobutadiene	4.123	225	80202	79.27	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.365	107	149215	79.58	ug/ml	100
33) 2-MethylNaphthalene	4.471	142	299858	79.02	ug/ml	99
34) 1-Methylnaphthalene	4.533	142	332059	78.11	ug/ml	100
38) Hexachlorocyclopentadiene	4.566	237	65506	77.10	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.574	216	156110	79.43	ug/ml	99
40) 2,4,6-Trichlorophenol	4.638	196	108287	80.75	ug/ml	99
41) 2,4,5-Trichlorophenol	4.669	196	105277	80.37	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205408.D
Acq On : 23 Feb 2022 10:04 am
Operator : BGL
Sample : 8270std 80ppm 2111137 Inst : GCMSSV3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 15:13:26 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:12:15 2022
Response via : Initial Calibration

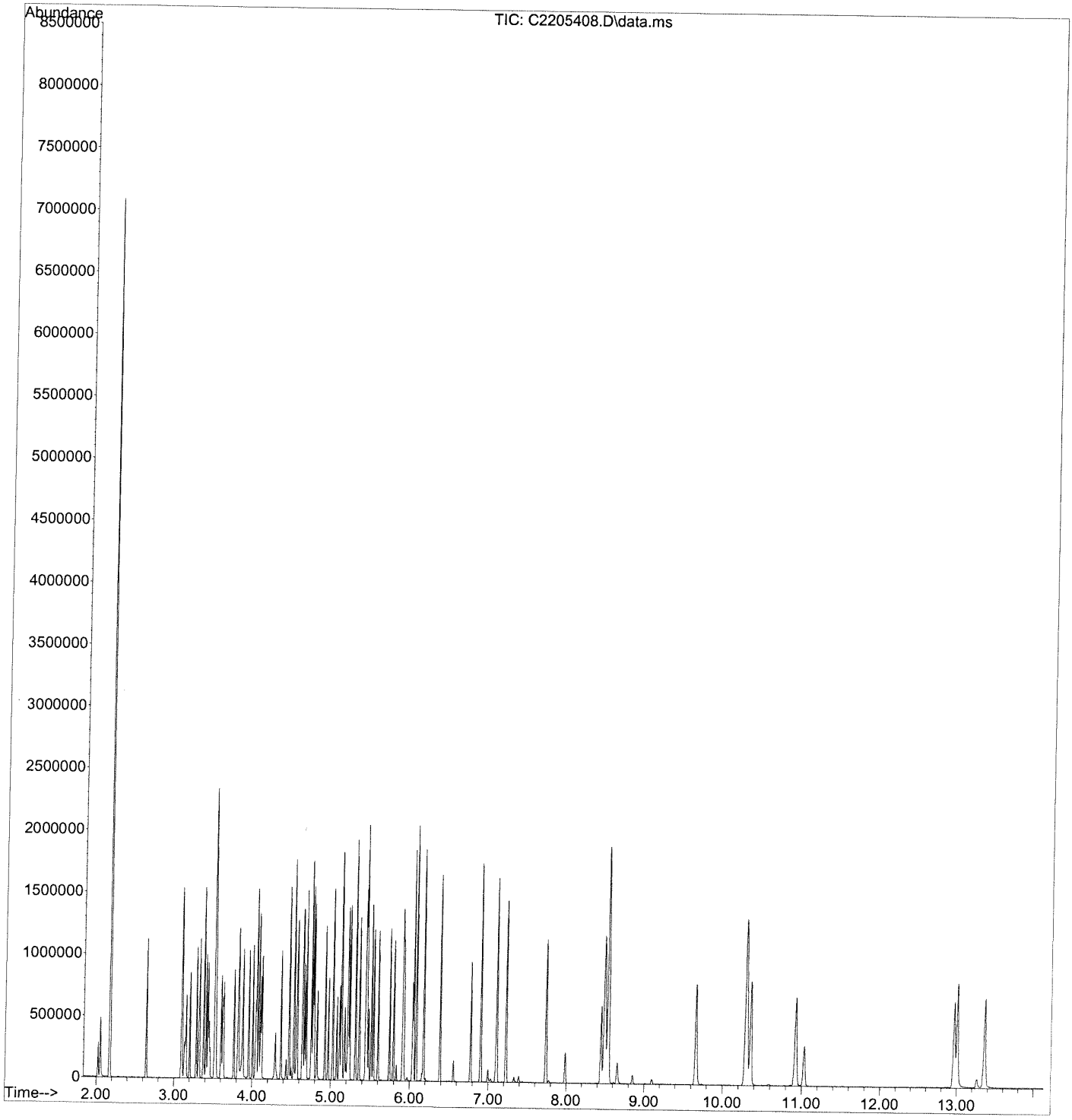
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-ChloroNaphthalene	4.772	162	354467	83.58	ug/ml	100
43) 2-Nitroaniline	4.826	65	80664	79.49	ug/ml	99
44) 1,1-Biphenyl	4.754	154	393853	78.85	ug/ml	99
45) DIMETHYL PHTHALATE	4.929	163	369152	79.78	ug/ml	100
46) 2,6-DinitroToluene	4.973	165	81745	80.96	ug/ml	99
47) Acenaphthylene	5.030	152	493307	79.75	ug/ml	99
48) 3-Nitroaniline	5.079	138	81928	77.91	ug/ml	99
49) Acenaphthene	5.133	154	332192	80.27	ug/ml	100
50) 2,4-Dinitrophenol	5.146	184	49718	75.98	ug/ml	96
51) 4-Nitrophenol	5.176	109	44673	81.26	ug/ml	98
52) Dibenzofuran	5.241	168	421739	79.13	ug/ml	100
53) 2,4-Dinitrotoluene	5.223	165	111977	81.86	ug/ml	100
54) DIETHYL PHTHALATE	5.362	149	351636	79.77	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.442	204	188505	79.73	ug/ml	100
56) Flourene	5.452	166	373410	80.55	ug/ml	99
57) 4-Nitroaniline	5.460	138	91018	78.89	ug/ml	92
59) 4,6-Dinitro-2-Methylph...	5.480	198	69455	83.60	ug/ml	99
60) N-Nitrosodiphenylamine	5.514	169	267066	67.42	ug/ml	100
61) 1,2-Diphenylhydrazine	5.542	77	317135	79.06	ug/ml	100
62) 4-Bromophenyl phenyl e...	5.745	248	109112	80.41	ug/ml	99
63) Hexachlorobenzene	5.794	284	101308	79.96	ug/ml	100
64) Pentachlorophenol	5.913	266	72814	86.31	ug/ml	99
65) Pentachloronitrobenzene	5.923	295	18385	80.67	ug/ml	99
66) Phenanthrene	6.052	178	535079	79.17	ug/ml	100
67) Anthracene	6.083	178	557843	80.40	ug/ml	100
68) Carbazole	6.178	167	522287	80.22	ug/ml	100
69) Di-N-Butyl Phthalate	6.387	149	628799	79.71	ug/ml	100
70) Flouranthene	6.902	202	616265	82.10	ug/ml	100
73) Benzidine	6.997	184	38332	31.86	ug/ml	98
74) Pyrene	7.105	202	640674	78.52	ug/ml	99
75) Butylbenzyl phthalate	7.741	149	293988	80.08	ug/ml	99
76) 3,3'-Dichlorobenzidine	8.446	252	183602	76.34	ug/ml	100
77) Benzo(a)anthracene	8.488	228	607335	78.22	ug/ml	99
78) Chrysene	8.544	228	583222	78.90	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.534	149	403062	80.91	ug/ml	100
81) Di-n-octylphthalate	9.662	149	659536	81.95	ug/ml	99
82) Benzo(b)fluoranthene	10.308	252	592234	82.52	ug/ml	99
83) Benzo(k)fluoranthene	10.359	252	519013	82.00	ug/ml	100
84) Benzo(a)pyrene	10.923	252	503404	81.57	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	12.970	276	428685	82.35	ug/ml	100
86) Dibenz(a,h)anthracene	13.011	278	467469	88.12	ug/ml	100
87) Benzo(g,h,i)perylene	13.364	276	443888	81.97	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205408.D
Acq On : 23 Feb 2022 10:04 am
Operator : BGL
Sample : 8270std 80ppm 2111137 Inst : GCMSSV3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 15:13:26 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:12:15 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205409.D
Acq On : 23 Feb 2022 10:31 am
Operator : BGL
Sample : 8270std 100ppm 2111138 Inst : GCMSSV3
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 15:14:43 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:14:18 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	51715	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.046	136	199588	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.115	164	117168	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.036	188	218948	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.506	240	209175	40.00	ug/ml	0.00
80) PERYLENE-D12	11.031	264	185492	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.643	112	286657	214.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 107.34%			
3) Phenol-d6	3.099	99	461130	205.49	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 102.75%			
20) Nitrobenzene-d5	3.624	82	187459	104.03	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 104.03%			
36) 2-Fluorobiphenyl	4.690	172	413917	105.76	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 105.76%			
37) 2,4,6-Tribromophenol	5.601	330	114873	229.12	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 114.56%			
72) Terphenyl-d14	7.229	244	608175	106.00	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 106.00%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.022	42	77269	102.87	ug/ml	99
5) Pyridine	2.048	79	189582	107.64	ug/ml	98
6) Aniline	3.135	66	69155	93.13	ug/ml#	66
7) Phenol	3.106	94	270690	101.14	ug/ml	100
8) Bis(2-chloroethyl)ether	3.158	63	124363	96.48	ug/ml#	72
9) 2-Chlorophenol	3.204	128	219139	99.49	ug/ml	99
10) 1,3-Dichlorobenzene	3.287	146	223720	101.81	ug/ml	100
11) 1,4-Dichlorobenzene	3.325	146	229501	101.76	ug/ml	100
12) 1,2-Dichlorobenzene	3.410	146	212462	99.94	ug/ml	99
13) 2- METHYLPHENOL	3.433	108	182436	97.43	ug/ml	98
14) Bis(2-Chloroisopropyl)...	3.449	45	177257	94.77	ug/ml	99
15) Acetophenone	3.534	105	281507	98.06	ug/ml#	55
16) 3/4- METHYLPHENOL	3.521	107	438287	195.40	ug/ml#	79
17) N-Nitroso-Di-N-Propyla...	3.529	70	145082	97.06	ug/ml	99
18) Hexachloroethane	3.603	117	82462	101.23	ug/ml	100
21) NITROBENZENE	3.634	77	197112	100.88	ug/ml	99
22) Isophorone	3.768	82	349234	102.40	ug/ml	99
23) 2-Nitrophenol	3.817	139	123298	105.34	ug/ml	99
24) 2,4-Dimethylphenol	3.825	122	206744	106.97	ug/ml	100
25) Bis(2-Chloroethoxy)met...	3.879	93	228625	102.29	ug/ml	99
26) Benzoic Acid	3.892	122	128483	112.47	ug/ml	100
27) 2,4-Dichlorophenol	3.956	162	188459	104.44	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.007	180	186410	104.24	ug/ml	99
29) Naphthalene	4.059	128	594819	102.02	ug/ml	100
30) 4-Chloroaniline	4.082	127	192991	98.15	ug/ml	98
31) Hexachlorobutadiene	4.123	225	99680	103.72	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.368	107	188658	105.93	ug/ml	99
33) 2-MethylNaphthalene	4.471	142	372127	103.24	ug/ml	100
34) 1-Methylnaphthalene	4.533	142	416746	103.21	ug/ml	99
38) Hexachlorocyclopentadiene	4.566	237	86250	104.13	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.574	216	197851	105.23	ug/ml	100
40) 2,4,6-Trichlorophenol	4.641	196	136594	106.47	ug/ml	99
41) 2,4,5-Trichlorophenol	4.669	196	132265	105.55	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205409.D
Acq On : 23 Feb 2022 10:31 am
Operator : BGL
Sample : 8270std 100ppm 2111138 Inst : GCMSSV3
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 15:14:43 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:14:18 2022
Response via : Initial Calibration

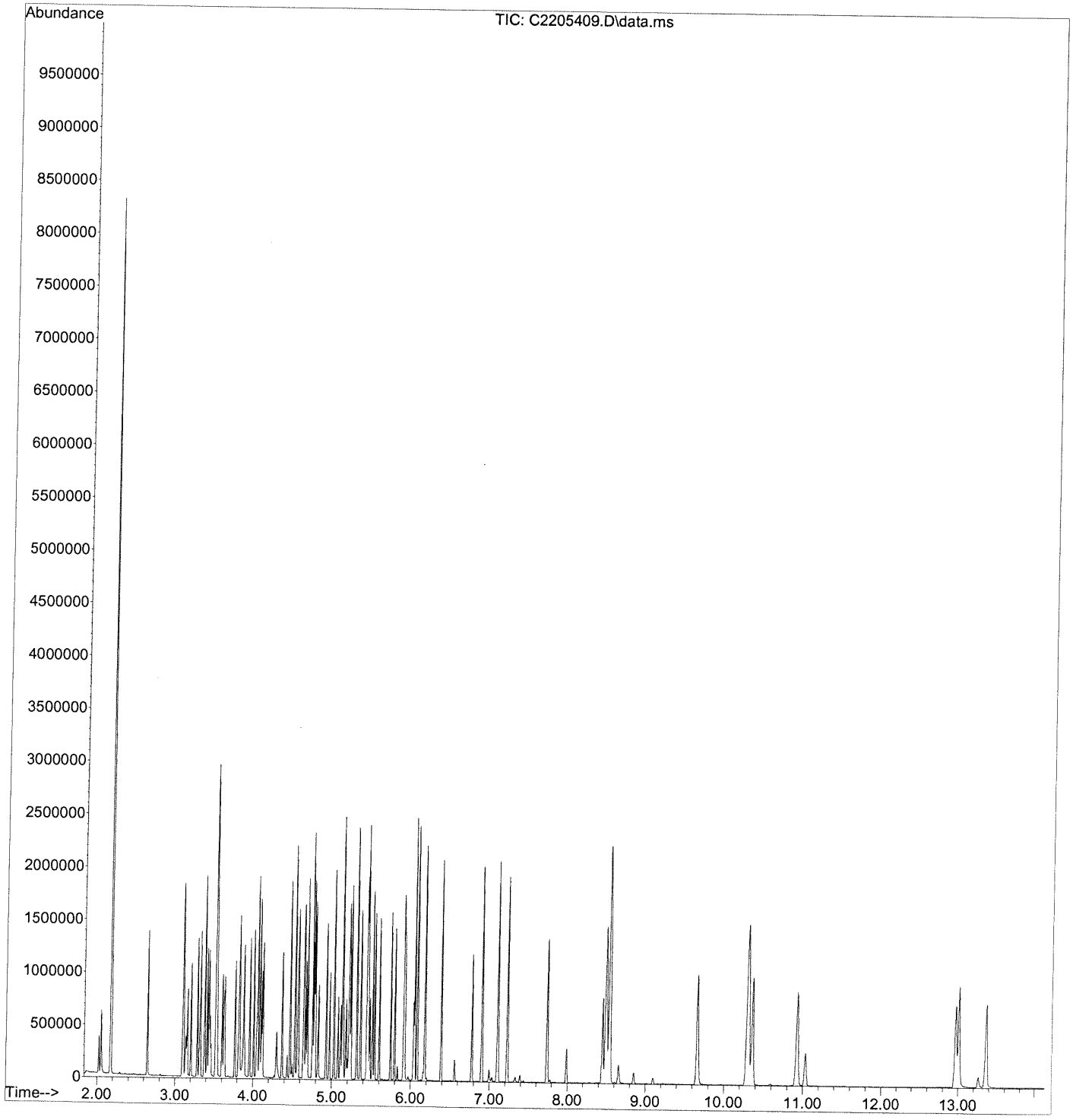
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-ChloroNaphthalene	4.772	162	472833	113.17	ug/ml	95
43) 2-Nitroaniline	4.829	65	102393	105.48	ug/ml	98
44) 1,1-Biphenyl	4.754	154	492310	103.02	ug/ml	100
45) DIMETHYL PHTHALATE	4.929	163	462506	104.48	ug/ml	99
46) 2,6-DinitroToluene	4.973	165	102855	106.49	ug/ml	98
47) Acenaphthylene	5.030	152	612962	103.58	ug/ml	99
48) 3-Nitroaniline	5.081	138	100063	99.47	ug/ml	98
49) Acenaphthene	5.135	154	421021	106.35	ug/ml	99
50) 2,4-Dinitrophenol	5.146	184	67228	104.55	ug/ml	96
51) 4-Nitrophenol	5.179	109	57149	108.67	ug/ml	98
52) Dibenzofuran	5.241	168	528410	103.64	ug/ml	100
53) 2,4-Dinitrotoluene	5.225	165	141133	107.85	ug/ml	99
54) DIETHYL PHTHALATE	5.362	149	437050	103.64	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.442	204	238974	105.66	ug/ml	100
56) Flourene	5.452	166	468132	105.56	ug/ml	100
57) 4-Nitroaniline	5.462	138	116066	105.16	ug/ml	93
59) 4,6-Dinitro-2-Methylph...	5.480	198	87332	108.06	ug/ml	98
60) N-Nitrosodiphenylamine	5.516	169	338586	87.87	ug/ml	99
61) 1,2-Diphenylhydrazine	5.542	77	396065	101.50	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.745	248	138290	104.77	ug/ml	99
63) Hexachlorobenzene	5.794	284	131686	106.85	ug/ml	99
64) Pentachlorophenol	5.913	266	96144	117.16	ug/ml	99
65) Pentachloronitrobenzene	5.923	295	23571	106.33	ug/ml	96
66) Phenanthrene	6.052	178	676947	102.97	ug/ml	99
67) Anthracene	6.083	178	690074	102.24	ug/ml	99
68) Carbazole	6.181	167	658142	103.92	ug/ml	99
69) Di-N-Butyl Phthalate	6.387	149	797112	103.87	ug/ml	100
70) Flouranthene	6.904	202	774217	106.03	ug/ml	100
73) Benzidine	6.997	184	43360	37.20	ug/ml	98
74) Pyrene	7.107	202	804813	101.82	ug/ml	99
75) Butylbenzyl phthalate	7.743	149	362065	101.81	ug/ml	100
76) 3,3'-Dichlorobenzidine	8.446	252	226139	97.05	ug/ml	99
77) Benzo(a)anthracene	8.490	228	770781	102.48	ug/ml	100
78) Chrysene	8.544	228	725273	101.28	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.534	149	506141	104.87	ug/ml	99
81) Di-n-octylphthalate	9.664	149	829791	107.81	ug/ml	99
82) Benzo(b)fluoranthene	10.316	252	751319	109.47	ug/ml	100
83) Benzo(k)fluoranthene	10.362	252	639933	105.71	ug/ml	99
84) Benzo(a)pyrene	10.931	252	637658	108.05	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.973	276	510263	102.49	ug/ml	99
86) Dibenz(a,h)anthracene	13.014	278	554750	108.78	ug/ml	99
87) Benzo(g,h,i)perylene	13.364	276	490551	94.73	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205409.D
Acq On : 23 Feb 2022 10:31 am
Operator : BGL
Sample : 8270std 100ppm 2111138 Inst : GCMSSV3
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 15:14:43 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:14:18 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205410.D
Acq On : 23 Feb 2022 10:58 am
Operator : BGL
Sample : 8270std 120ppm 2111139 Inst : GCMSSV3
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 23 15:16:04 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:15:39 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.317	152	49188	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.046	136	193880	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.115	164	113256	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.036	188	208351	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.506	240	194771	40.00	ug/ml	0.00
80) PERYLENE-D12	11.031	264	176806	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.643	112	357691	281.64	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 140.82%#			
3) Phenol-d6	3.101	99	572844	268.38	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 134.19%#			
20) Nitrobenzene-d5	3.624	82	232493	132.82	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 132.82%#			
36) 2-Fluorobiphenyl	4.690	172	503782	133.16	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 133.16%#			
37) 2,4,6-Tribromophenol	5.604	330	140820	290.57	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 145.29%#			
72) Terphenyl-d14	7.228	244	740824	138.67	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 138.67%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.022	42	93575	130.98	ug/ml	98
5) Pyridine	2.048	79	229061	136.74	ug/ml	99
6) Aniline	3.135	66	80742	114.32	ug/ml#	71
7) Phenol	3.106	94	333916	131.17	ug/ml	100
8) Bis(2-chloroethyl)ether	3.158	63	153891	125.51	ug/ml#	72
9) 2-Chlorophenol	3.204	128	274223	130.90	ug/ml	99
10) 1,3-Dichlorobenzene	3.286	146	268344	128.39	ug/ml	99
11) 1,4-Dichlorobenzene	3.325	146	273953	127.72	ug/ml	99
12) 1,2-Dichlorobenzene	3.410	146	257365	127.28	ug/ml	99
13) 2- METHYLPHENOL	3.433	108	229421	128.82	ug/ml	91
14) Bis(2-Chloroisopropyl)...	3.449	45	221606	124.57	ug/ml	97
15) Acetophenone	3.534	105	340090	124.55	ug/ml#	55
16) 3/4- METHYLPHENOL	3.523	107	541650	253.88	ug/ml#	79
17) N-Nitroso-Di-N-Propyla...	3.531	70	175963	123.77	ug/ml	99
18) Hexachloroethane	3.603	117	100375	129.55	ug/ml	99
21) NITROBENZENE	3.637	77	244326	128.73	ug/ml	99
22) Isophorone	3.771	82	426360	128.69	ug/ml	99
23) 2-Nitrophenol	3.817	139	153030	134.59	ug/ml	98
24) 2,4-Dimethylphenol	3.827	122	254297	135.44	ug/ml	100
25) Bis(2-Chloroethoxy)met...	3.881	93	283025	130.36	ug/ml	98
26) Benzoic Acid	3.899	122	157099	141.57	ug/ml	99
27) 2,4-Dichlorophenol	3.958	162	232849	132.84	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.007	180	227933	131.22	ug/ml	99
29) Naphthalene	4.059	128	725923	128.17	ug/ml	100
30) 4-Chloroaniline	4.085	127	220406	115.39	ug/ml	99
31) Hexachlorobutadiene	4.123	225	122361	131.07	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.368	107	227875	131.71	ug/ml	100
33) 2-MethylNaphthalene	4.473	142	459219	131.15	ug/ml	100
34) 1-Methylnaphthalene	4.535	142	503506	128.36	ug/ml	99
38) Hexachlorocyclopentadiene	4.566	237	110737	136.57	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.574	216	241682	132.99	ug/ml	99
40) 2,4,6-Trichlorophenol	4.641	196	165620	133.56	ug/ml	99
41) 2,4,5-Trichlorophenol	4.672	196	161507	133.34	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205410.D
Acq On : 23 Feb 2022 10:58 am
Operator : BGL
Sample : 8270std 120ppm 2111139 Inst : GCMSSV3
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 23 15:16:04 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:15:39 2022
Response via : Initial Calibration

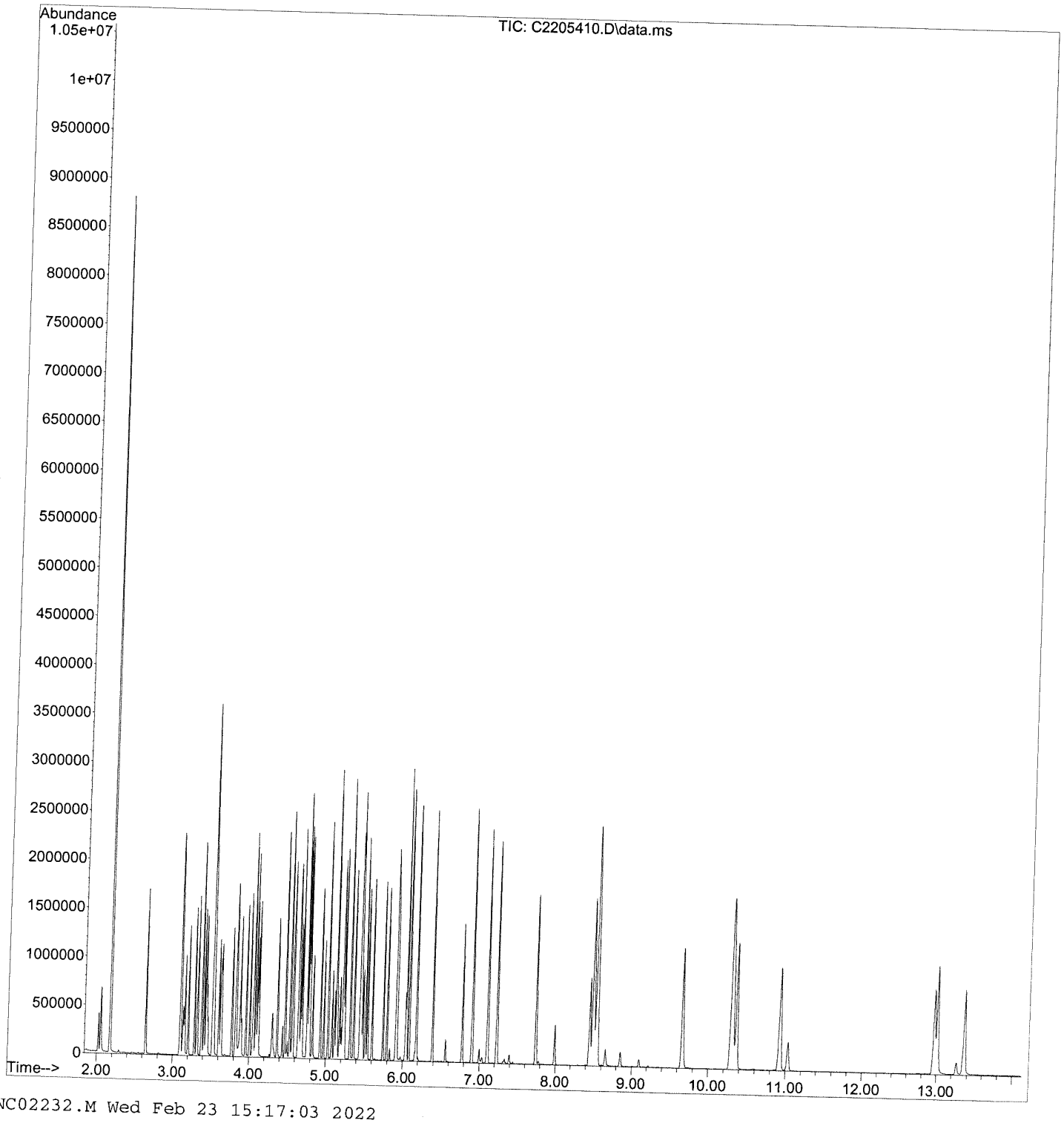
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-ChloroNaphthalene	4.775	162	556121	130.77	ug/ml	99
43) 2-Nitroaniline	4.829	65	122290	130.33	ug/ml	100
44) 1,1-Biphenyl	4.757	154	603984	130.76	ug/ml	99
45) DIMETHYL PHTHALATE	4.932	163	558354	130.49	ug/ml	100
46) 2,6-DinitroToluene	4.976	165	123483	132.26	ug/ml	99
47) Acenaphthylene	5.030	152	749880	131.10	ug/ml	99
48) 3-Nitroaniline	5.081	138	116067	119.36	ug/ml	98
49) Acenaphthene	5.135	154	513779	134.26	ug/ml	99
50) 2,4-Dinitrophenol	5.148	184	82622	131.07	ug/ml	95
51) 4-Nitrophenol	5.181	109	68563	134.88	ug/ml	98
52) Dibenzofuran	5.241	168	635349	128.92	ug/ml	100
53) 2,4-Dinitrotoluene	5.225	165	170868	135.08	ug/ml	98
54) DIETHYL PHTHALATE	5.364	149	533460	130.88	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.442	204	293136	134.09	ug/ml	99
56) Flourene	5.452	166	561259	130.93	ug/ml	100
57) 4-Nitroaniline	5.465	138	138573	129.89	ug/ml	92
59) 4,6-Dinitro-2-Methylph...	5.483	198	107991	140.42	ug/ml	99
60) N-Nitrosodiphenylamine	5.516	169	403789	110.12	ug/ml	100
61) 1,2-Diphenylhydrazine	5.542	77	474085	127.68	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.745	248	167216	133.13	ug/ml	98
63) Hexachlorobenzene	5.797	284	158516	135.16	ug/ml	99
64) Pentachlorophenol	5.915	266	118265	151.45	ug/ml	98
65) Pentachloronitrobenzene	5.923	295	28944	137.21	ug/ml	97
66) Phenanthrene	6.052	178	806461	128.91	ug/ml	99
67) Anthracene	6.083	178	824758	128.41	ug/ml	99
68) Carbazole	6.181	167	783055	129.94	ug/ml	99
69) Di-N-Butyl Phthalate	6.386	149	945028	129.41	ug/ml	99
70) Flouranthene	6.904	202	920875	132.53	ug/ml	99
73) Benzidine	6.994	184	52882	48.72	ug/ml	99
74) Pyrene	7.107	202	969894	131.77	ug/ml	99
75) Butylbenzyl phthalate	7.743	149	439949	132.86	ug/ml	99
76) 3,3'-Dichlorobenzidine	8.449	252	267455	123.28	ug/ml	100
77) Benzo(a)anthracene	8.493	228	917013	130.93	ug/ml	98
78) Chrysene	8.547	228	868405	130.23	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.534	149	594300	132.25	ug/ml	99
81) Di-n-octylphthalate	9.664	149	992311	135.26	ug/ml	99
82) Benzo(b)fluoranthene	10.318	252	902653	137.97	ug/ml	99
83) Benzo(k)fluoranthene	10.367	252	786104	136.24	ug/ml	99
84) Benzo(a)pyrene	10.934	252	763271	135.68	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.975	276	585847	123.46	ug/ml	99
86) Dibenz(a,h)anthracene	13.017	278	641790	131.40	ug/ml	99
87) Benzo(g,h,i)perylene	13.369	276	558395	113.12	ug/ml	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205410.D
Acq On : 23 Feb 2022 10:58 am
Operator : BGL
Sample : 8270std 120ppm 2111139 Inst : GCMSSV3
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 23 15:16:04 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:15:39 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205411.D
Acq On : 23 Feb 2022 11:25 am
Operator : BGL
Sample : 8270std 160ppm 2110474 Inst : GCMSSV3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 23 15:17:28 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:16:56 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.317	152	75616	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.046	136	291335	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.115	164	168589	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.036	188	310619	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.511	240	298168	40.00	ug/ml	0.01
80) PERYLENE-D12	11.042	264	263849	40.00	ug/ml	0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.645	112	488535	250.22	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 125.11%			
3) Phenol-d6	3.104	99	772561	235.45	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 117.72%			
20) Nitrobenzene-d5	3.626	82	318006	120.90	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 120.90%			
36) 2-Fluorobiphenyl	4.690	172	683582	121.39	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 121.39%			
37) 2,4,6-Tribromophenol	5.604	330	199390	276.39	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 138.19%#			
72) Terphenyl-d14	7.231	244	1004784	122.86	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 122.86%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.025	42	131033	119.31	ug/ml	99
5) Pyridine	2.051	79	322700	125.31	ug/ml	100
6) Aniline	3.135	66	117387	108.11	ug/ml#	54
7) Phenol	3.109	94	447417	114.33	ug/ml	99
8) Bis(2-chloroethyl)ether	3.160	63	209699	111.26	ug/ml#	68
9) 2-Chlorophenol	3.207	128	371053	115.21	ug/ml	99
10) 1,3-Dichlorobenzene	3.289	146	376582	117.20	ug/ml	100
11) 1,4-Dichlorobenzene	3.325	146	383640	116.34	ug/ml	100
12) 1,2-Dichlorobenzene	3.413	146	360381	115.94	ug/ml	99
13) 2- METHYLPHENOL	3.436	108	310290	113.33	ug/ml	93
14) Bis(2-Chloroisopropyl)...	3.449	45	295963	108.22	ug/ml	97
15) Acetophenone	3.536	105	467893	111.47	ug/ml#	56
16) 3/4- METHYLPHENOL	3.529	107	737044	224.73	ug/ml#	79
17) N-Nitroso-Di-N-Propyla...	3.531	70	148880	68.12	ug/ml#	53
18) Hexachloroethane	3.603	117	140153	117.67	ug/ml	99
21) NITROBENZENE	3.639	77	333530	116.95	ug/ml	99
22) Isophorone	3.773	82	570649	114.62	ug/ml	99
23) 2-Nitrophenol	3.817	139	206472	120.85	ug/ml	99
24) 2,4-Dimethylphenol	3.827	122	335788	119.02	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.881	93	383929	117.68	ug/ml	97
26) Benzoic Acid	3.910	122	219841	131.84	ug/ml	98
27) 2,4-Dichlorophenol	3.959	162	319197	121.18	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.010	180	314285	120.40	ug/ml	99
29) Naphthalene	4.062	128	979719	115.11	ug/ml	99
30) 4-Chloroaniline	4.085	127	297676	103.71	ug/ml	99
31) Hexachlorobutadiene	4.123	225	168623	120.21	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.371	107	315072	121.19	ug/ml	99
33) 2-MethylNaphthalene	4.473	142	616352	117.15	ug/ml	99
34) 1-Methylnaphthalene	4.535	142	687960	116.72	ug/ml	99
38) Hexachlorocyclopentadiene	4.566	237	159048	131.96	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.577	216	335292	123.94	ug/ml	100
40) 2,4,6-Trichlorophenol	4.643	196	229879	124.54	ug/ml	99
41) 2,4,5-Trichlorophenol	4.674	196	221400	122.80	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205411.D
Acq On : 23 Feb 2022 11:25 am
Operator : BGL
Sample : 8270std 160ppm 2110474 Inst : GCMSSV3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 23 15:17:28 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:16:56 2022
Response via : Initial Calibration

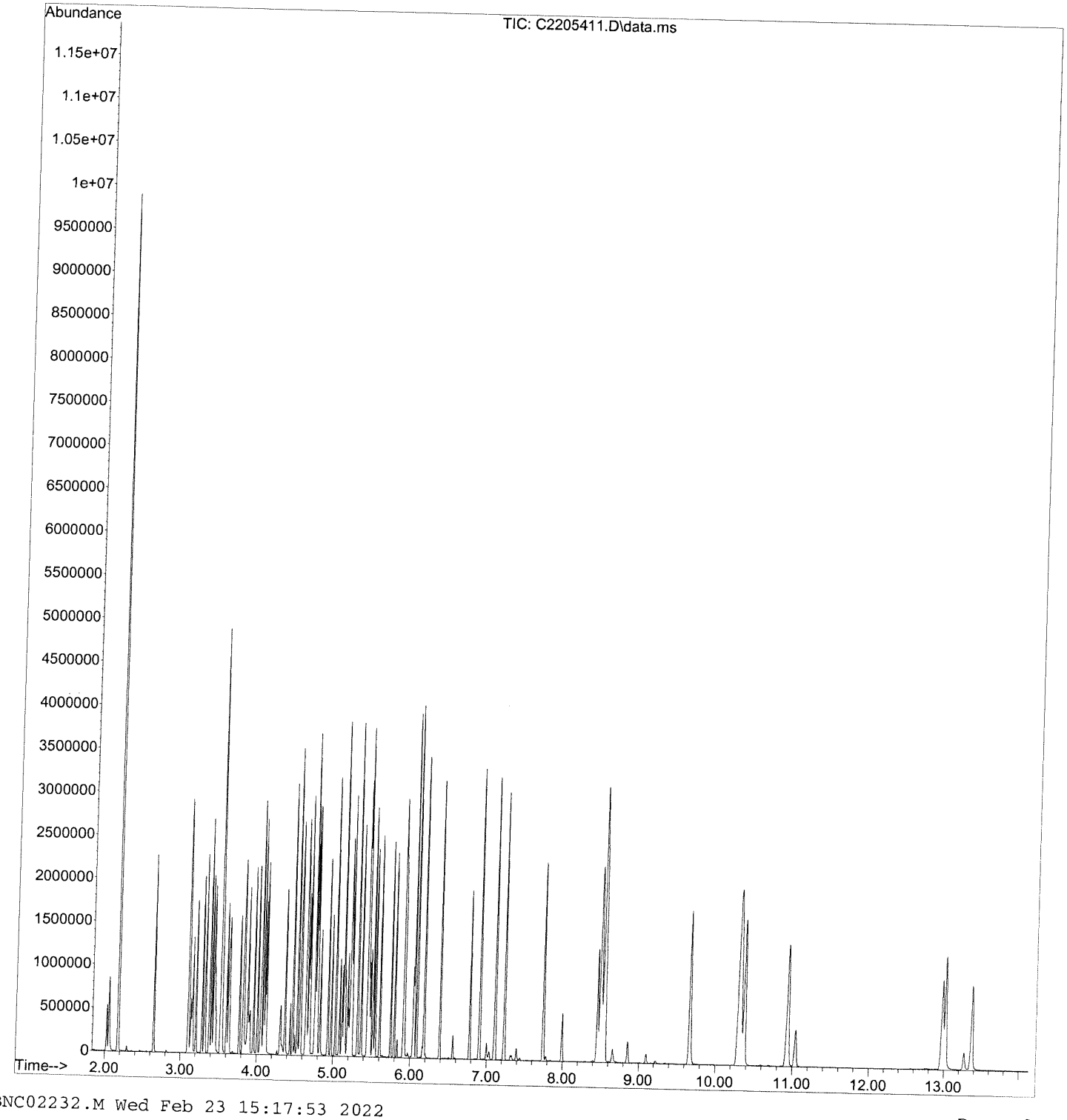
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-ChloroNaphthalene	4.777	162	791861	125.09	ug/ml	99
43) 2-Nitroaniline	4.831	65	166529	119.23	ug/ml	100
44) 1,1-Biphenyl	4.757	154	807607	117.46	ug/ml	98
45) DIMETHYL PHTHALATE	4.934	163	751898	118.05	ug/ml	100
46) 2,6-DinitroToluene	4.976	165	168810	121.47	ug/ml	100
47) Acenaphthylene	5.030	152	1004946	118.03	ug/ml	99
48) 3-Nitroaniline	5.084	138	148830	102.82	ug/ml	98
49) Acenaphthene	5.138	154	690737	121.26	ug/ml	99
50) 2,4-Dinitrophenol	5.151	184	116110	124.12	ug/ml	98
51) 4-Nitrophenol	5.184	109	93608	123.71	ug/ml	97
52) Dibenzofuran	5.243	168	868476	118.39	ug/ml	99
53) 2,4-Dinitrotoluene	5.230	165	234389	124.48	ug/ml	93
54) DIETHYL PHTHALATE	5.367	149	714504	117.76	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.444	204	396445	121.83	ug/ml	98
56) Flourene	5.455	166	767131	120.22	ug/ml	100
57) 4-Nitroaniline	5.470	138	190427	119.91	ug/ml	98
59) 4,6-Dinitro-2-Methylph...	5.485	198	148559	129.57	ug/ml	95
60) N-Nitrosodiphenylamine	5.519	169	548266	100.29	ug/ml	99
61) 1,2-Diphenylhydrazine	5.545	77	634469	114.61	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.748	248	232962	124.40	ug/ml	98
63) Hexachlorobenzene	5.797	284	219406	125.48	ug/ml	99
64) Pentachlorophenol	5.915	266	172613	148.27	ug/ml	98
65) Pentachloronitrobenzene	5.926	295	41170	130.91	ug/ml	91
66) Phenanthrene	6.054	178	1095393	117.44	ug/ml	98
67) Anthracene	6.085	178	1144250	119.50	ug/ml	98
68) Carbazole	6.183	167	1063645	118.39	ug/ml	99
69) Di-N-Butyl Phthalate	6.389	149	1276276	117.23	ug/ml	99
70) Flouranthene	6.907	202	1253004	120.95	ug/ml	99
73) Benzidine	6.997	184	69270	41.69	ug/ml	98
74) Pyrene	7.110	202	1318800	117.04	ug/ml	98
75) Butylbenzyl phthalate	7.743	149	601101	118.58	ug/ml	99
76) 3,3'-Dichlorobenzidine	8.457	252	359111	108.12	ug/ml	100
77) Benzo(a)anthracene	8.495	228	1265679	118.05	ug/ml	98
78) Chrysene	8.552	228	1192720	116.84	ug/ml	98
79) Bis(2-ethylhexyl)phtha...	8.537	149	829752	120.61	ug/ml	99
81) Di-n-octylphthalate	9.672	149	1379838	126.03	ug/ml	99
82) Benzo(b)fluoranthene	10.331	252	1241474	127.16	ug/ml	99
83) Benzo(k)fluoranthene	10.380	252	1051067	122.07	ug/ml	99
84) Benzo(a)pyrene	10.944	252	1039802	123.86	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.981	276	732511	103.44	ug/ml	99
86) Dibenz(a,h)anthracene	13.022	278	796130	108.55	ug/ml	100
87) Benzo(g,h,i)perylene	13.372	276	646963	87.83	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205411.D
Acq On : 23 Feb 2022 11:25 am
Operator : BGL
Sample : 8270std 160ppm 2110474 Inst : GCMSSV3
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 23 15:17:28 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:16:56 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205412.D
Acq On : 23 Feb 2022 11:52 am
Operator : BGL
Sample : ICV 50 PPM
Misc :
ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSSV3

Quant Time: Feb 23 15:18:30 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:17:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	57193	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.043	136	223006	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.112	164	126505	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	223798	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.498	240	183195	40.00	ug/ml	0.00
80) PERYLENE-D12	11.029	264	175933	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.558	112	134	0.09	ug/ml	-0.09
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.04%#			
3) Phenol-d6	3.165	99	723	0.29	ug/ml	0.07
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.14%#			
20) Nitrobenzene-d5	0.000	82	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.00%#			
36) 2-Fluorobiphenyl	4.813	172	1307	0.31	ug/ml	0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.31%#			
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery = 0.00%#			
72) Terphenyl-d14	7.226	244	228	0.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 0.05%#			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.027	42	40911	49.25	ug/ml	98
5) Pyridine	2.056	79	84135	43.19	ug/ml	100
6) Aniline	3.132	66	35335	43.03	ug/ml#	89
7) Phenol	3.098	94	132009	44.60	ug/ml	93
8) Bis(2-chloroethyl)ether	3.155	63	64262	45.08	ug/ml	92
9) 2-Chlorophenol	3.201	128	111966	45.96	ug/ml	99
10) 1,3-Dichlorobenzene	3.286	146	116324	47.86	ug/ml	100
11) 1,4-Dichlorobenzene	3.322	146	119830	48.04	ug/ml	99
12) 1,2-Dichlorobenzene	3.410	146	113704	48.36	ug/ml	100
13) 2- METHYLPHENOL	3.431	108	99111	47.86	ug/ml	98
14) Bis(2-Chloroisopropyl)...	3.446	45	106291	51.39	ug/ml	95
15) Acetophenone	3.528	105	143956	45.34	ug/ml	93
16) 3/4- METHYLPHENOL	3.513	107	115749	46.66	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	3.521	70	72518	43.87	ug/ml	91
18) Hexachloroethane	3.601	117	44064	48.91	ug/ml	99
21) NITROBENZENE	3.631	77	106726	48.89	ug/ml	100
22) Isophorone	3.763	82	196259	51.50	ug/ml	100
23) 2-Nitrophenol	3.814	139	59277	45.33	ug/ml	99
24) 2,4-Dimethylphenol	3.822	122	99594	46.12	ug/ml	98
25) Bis(2-Chloroethoxy)met...	3.876	93	115743	46.35	ug/ml	99
26) Benzoic Acid	3.871	122	61050	47.83	ug/ml	96
27) 2,4-Dichlorophenol	3.953	162	90734	45.00	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.007	180	96643	48.37	ug/ml	99
29) Naphthalene	4.056	128	315487	48.43	ug/ml	99
30) 4-Chloroaniline	4.079	127	71194	32.41	ug/ml	99
31) Hexachlorobutadiene	4.121	225	52661	49.04	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.363	107	87565	44.00	ug/ml	99
33) 2-MethylNaphthalene	4.471	142	209178	51.94	ug/ml	100
34) 1-Methylnaphthalene	4.533	142	197207	43.71	ug/ml	99
38) Hexachlorocyclopentadiene	4.563	237	40596	48.37	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.571	216	97444	48.00	ug/ml	99
40) 2,4,6-Trichlorophenol	4.638	196	63114	45.57	ug/ml	99
41) 2,4,5-Trichlorophenol	4.664	196	65564	48.46	ug/ml	99

70-130

65% —

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205412.D
Acq On : 23 Feb 2022 11:52 am
Operator : BGL
Sample : ICV 50 PPM
Misc :
Inst : GCMSSV3
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 23 15:18:30 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:17:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2-ChloroNaphthalene	4.772	162	212369	44.71 ug/ml	97
43) 2-Nitroaniline	4.826	65	62016	59.17 ug/ml#	83
44) 1,1-Biphenyl	4.751	154	256855	49.78 ug/ml	100
45) DIMETHYL PHTHALATE	4.929	163	209009	43.73 ug/ml	100
46) 2,6-DinitroToluene	4.970	165	51010	48.92 ug/ml	99
47) Acenaphthylene	5.027	152	313122	49.01 ug/ml	100
48) 3-Nitroaniline	5.076	138	45105	41.53 ug/ml	100
49) Acenaphthene	5.133	154	197647	46.24 ug/ml	99
50) 2,4-Dinitrophenol	5.143	184	24614	39.99 ug/ml	98
51) 4-Nitrophenol	5.174	109	24160	42.55 ug/ml	96
52) Dibenzofuran	5.238	168	280377	50.94 ug/ml	100
53) 2,4-Dinitrotoluene	5.223	165	66046	46.74 ug/ml	99
54) DIETHYL PHTHALATE	5.359	149	200906	44.13 ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.441	204	109458	44.83 ug/ml	99
56) Flourene	5.452	166	229075	47.84 ug/ml	99
57) 4-Nitroaniline	5.457	138	59625	50.03 ug/ml	98
59) 4,6-Dinitro-2-Methylph...	5.478	198	36829	44.58 ug/ml	98
60) N-Nitrosodiphenylamine	5.514	169	193524	49.13 ug/ml	99
61) 1,2-Diphenylhydrazine	5.539	77	202701	50.82 ug/ml	99
62) 4-Bromophenyl phenyl e...	5.745	248	62720	46.49 ug/ml	99
63) Hexachlorobenzene	5.794	284	62642	49.72 ug/ml	98
64) Pentachlorophenol	5.913	266	35444	42.26 ug/ml	99
65) Pentachloronitrobenzene	5.920	295	11058	48.80 ug/ml	95
66) Phenanthrene	6.049	178	325170	48.39 ug/ml	100
67) Anthracene	6.083	178	333903	48.40 ug/ml	99
68) Carbazole	6.178	167	296607	45.82 ug/ml	100
69) Di-N-Butyl Phthalate	6.386	149	342444	43.66 ug/ml	100
70) Flouranthene	6.901	202	347152	46.51 ug/ml	100
73) Benzidine	6.997	184	85743	83.99 ug/ml	99
74) Pyrene	7.102	202	355467	51.35 ug/ml	99
75) Butylbenzyl phthalate	7.741	149	143821	46.18 ug/ml	99
76) 3,3'-Dichlorobenzidine	8.441	252	68213	33.43 ug/ml	100
77) Benzo(a)anthracene	8.485	228	320161	48.60 ug/ml	100
78) Chrysene	8.536	228	296807	47.32 ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.529	149	192782	45.61 ug/ml	100
81) Di-n-octylphthalate	9.659	149	313590	42.96 ug/ml	98
82) Benzo(b)fluoranthene	10.297	252	317690	48.80 ug/ml	100
83) Benzo(k)fluoranthene	10.349	252	295039	51.39 ug/ml	98
84) Benzo(a)pyrene	10.915	252	287752	51.41 ug/ml	100
85) Indeno(1,2,3-cd)pyrene	12.965	276	228966	48.49 ug/ml	100
86) Dibenz(a,h)anthracene	13.006	278	251705	51.47 ug/ml	99
87) Benzo(g,h,i)perylene	13.356	276	251549	51.21 ug/ml	99

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

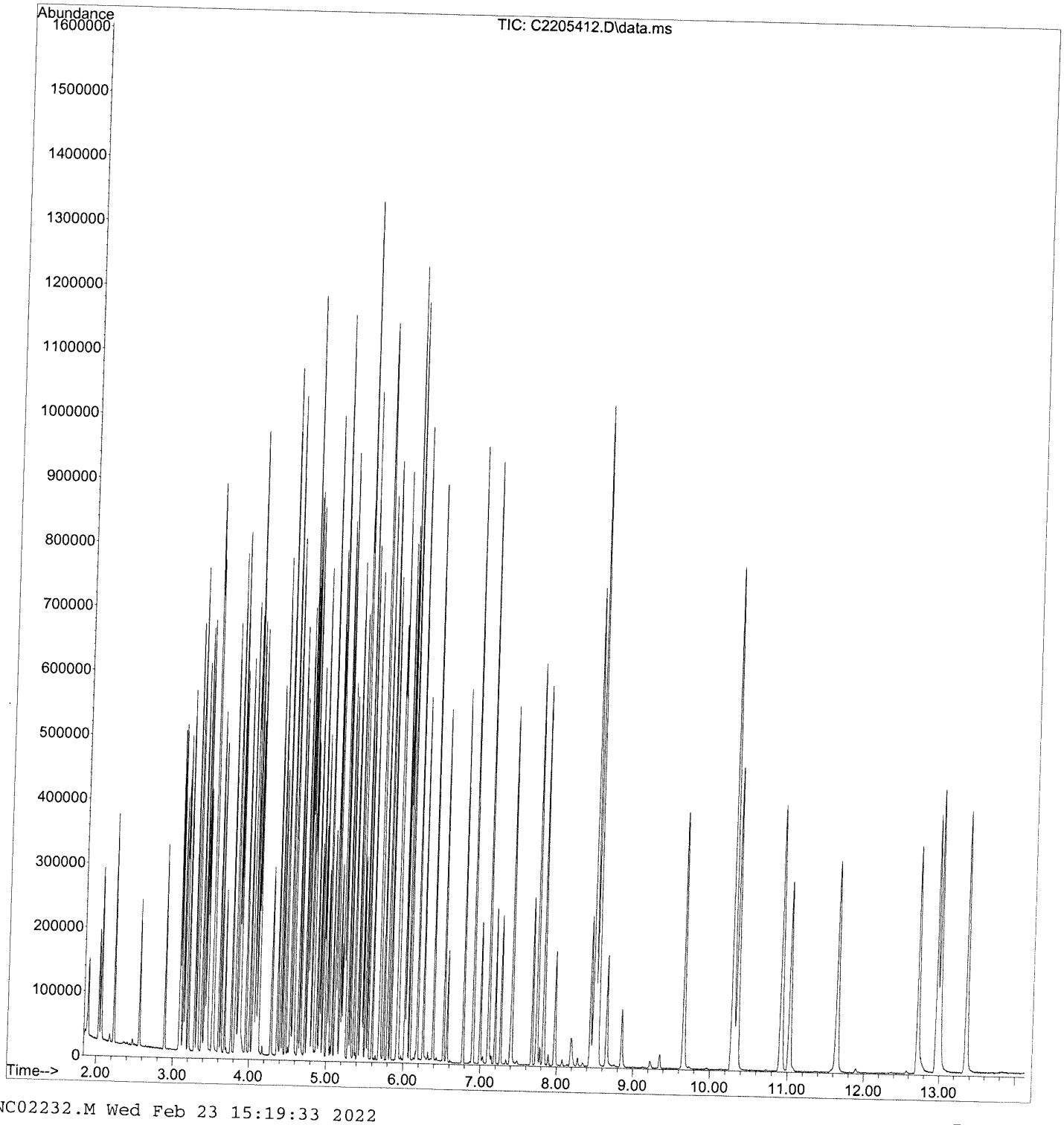
168% - V35
67% - V34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205412.D
Acq On : 23 Feb 2022 11:52 am
Operator : BGL
Sample : ICV 50 PPM
Misc :
ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSSV3

Quant Time: Feb 23 15:18:30 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:17:41 2022
Response via : Initial Calibration



INITIAL CALIBRATION STANDARDS

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070338	Instrument:	GCMSSV4
Calibration:	2200193		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2202022	DFTPP Tuning standard - 50ng	S070338-TUN1	D22S094001.D	04/04/22 08:41
2111140	SEMI BNA curve#8-- 2. ugmL	S070338-CAL8	D22S094013.D	04/04/22 13:43
2111132	SEMI BNA curve#1- 5 ugmL	S070338-CAL1	D22S094014.D	04/04/22 14:08
2111134	SEMI BNA curve#2- 10 ugmL	S070338-CAL2	D22S094015.D	04/04/22 14:32
2111135	SEMI BNA curve#3--20 ugmL	S070338-CAL3	D22S094016.D	04/04/22 14:56
2111136	SEMI BNA curve#4--50 ugmL	S070338-CAL4	D22S094017.D	04/04/22 15:21
2111137	SEMI BNA curve#5--80 ugmL	S070338-CAL5	D22S094018.D	04/04/22 15:45
2111138	SEMI BNA curve#6--100 ugmL	S070338-CAL6	D22S094019.D	04/04/22 16:10
2111139	SEMI BNA curve#7--120 ugmL	S070338-CAL7	D22S094020.D	04/04/22 16:34
2110474	SEMI BNA Calibration Std-160ug/ml	S070338-CALA	D22S094021.D	04/04/22 16:59

Injection Log

T:\DATA\D040422\

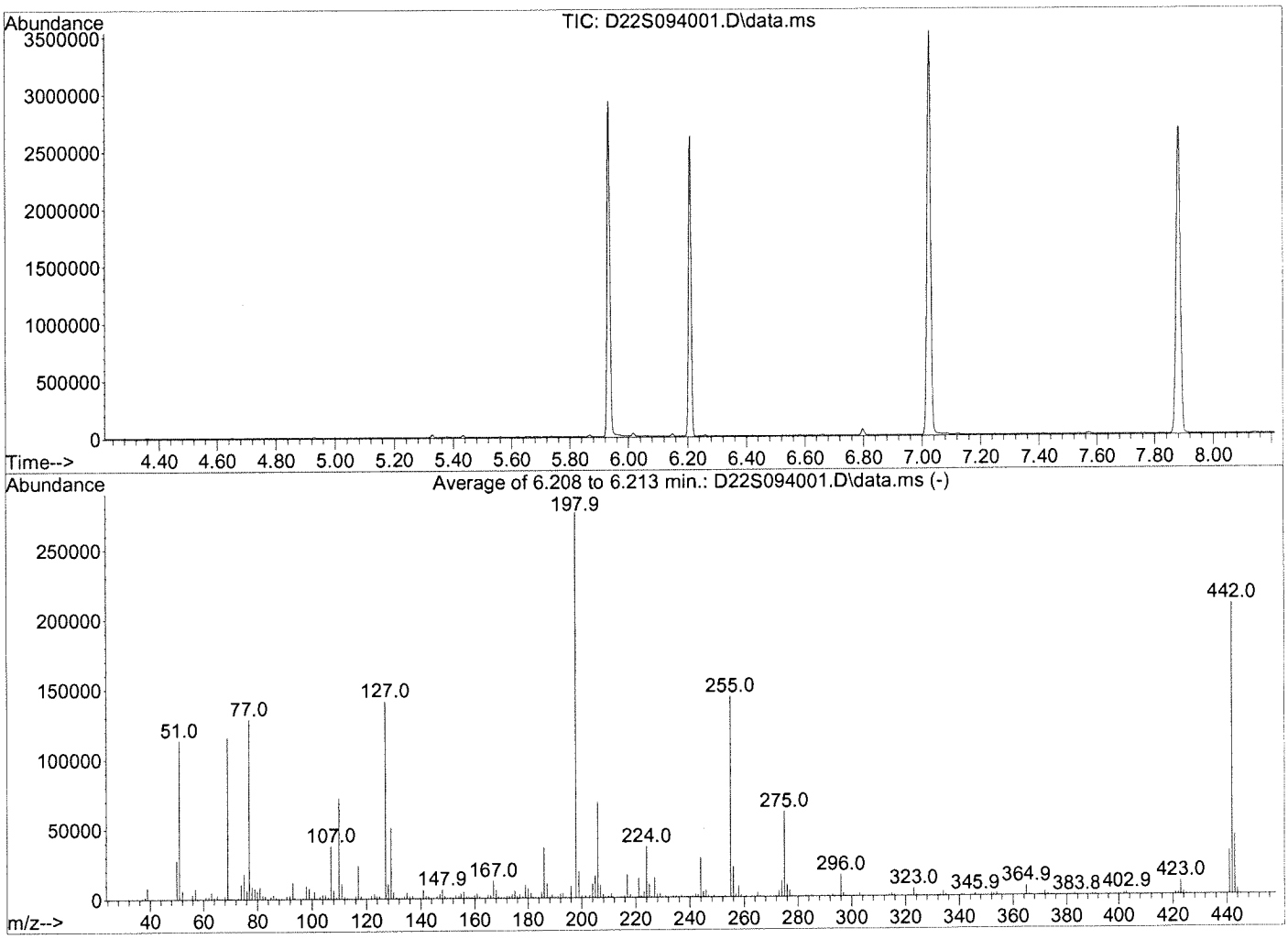
Date	Filename	Lab ID	Sample Info
4 Apr 2022 8:41 am	D22S094001.D	DFTPP 50 NG	
4 Apr 2022 9:06 am	D22S094002.D	BLAN K	
4 Apr 2022 9:32 am	Copy of D22S094003.D	APX2std 5ppm 2204042	lrchk
4 Apr 2022 9:32 am	D22S094003.D	APX2std 5ppm 2204042	
4 Apr 2022 9:59 am	D22S094004.D	APX2std 10ppm 2204043	
4 Apr 2022 9:59 am	Copy of D22S094004.D	APX2std 10ppm 2204043	LRCHK
4 Apr 2022 10:26 am	D22S094005.D	APX2std 20ppm 2204044	
4 Apr 2022 10:51 am	D22S094006.D	APX2std 50ppm 2204045	
4 Apr 2022 11:17 am	D22S094007.D	APX2std 80ppm 2204046	
4 Apr 2022 11:42 am	D22S094008.D	APX2std 100ppm 2204047	
4 Apr 2022 12:06 pm	D22S094009.D	APX2std 120ppm 2204048	
4 Apr 2022 12:30 pm	D22S094010.D	APX2std 160ppm 2204040	
4 Apr 2022 12:55 pm	D22S094011.D	ICV 50 ppm 2201325	
4 Apr 2022 1:19 pm	D22S094012.D	APX2 ICV 50ppm 2204049	
4 Apr 2022 1:43 pm	D22S094013.D	8270std 2ppm 2111140	
4 Apr 2022 2:08 pm	D22S094014.D	8270std 5ppm 2111132	
4 Apr 2022 2:32 pm	D22S094015.D	8270std 10ppm 2111134	
4 Apr 2022 2:56 pm	D22S094016.D	8270std 20ppm 2111135	
4 Apr 2022 3:21 pm	D22S094017.D	8270std 50ppm 2111136	
4 Apr 2022 3:45 pm	D22S094018.D	8270std 80ppm 2111137	
4 Apr 2022 4:10 pm	D22S094019.D	8270std 100ppm 2111138	
4 Apr 2022 4:34 pm	D22S094020.D	8270std 120ppm 2111139	
4 Apr 2022 4:59 pm	D22S094021.D	8270std 160ppm 2110474	
4 Apr 2022 5:23 pm	D22S094022.D	ICV 50 ppm 2201325	
4 Apr 2022 5:50 pm	D22S094023.D	test	
4 Apr 2022 6:13 pm	D22S094024.D	dftpp 50 ng	
4 Apr 2022 6:40 pm	D22S094025.D	APX2std 50 ppm 2204045	
4 Apr 2022 7:04 pm	D22S094026.D	b303833-blk1@/APX2W 2/2	
4 Apr 2022 7:29 pm	D22S094027.D	B303833-MRL1@/LOQQ1	
4 Apr 2022 7:54 pm	D22S094028.D	B303833-MRL2@/2ppm	
4 Apr 2022 8:19 pm	D22S094029.D	B303833-MRL3@/10ppm	
4 Apr 2022 8:45 pm	D22S094030.D	B303833-MRL4	
4 Apr 2022 9:09 pm	D22S094031.D	B303833-MRL5@/20ppm	
4 Apr 2022 9:34 pm	D22S094032.D	B303833-MRL6	
4 Apr 2022 10:00 pm	D22S094033.D	B303834-blk1@/Apx2S 2/2	
4 Apr 2022 10:24 pm	D22S094034.D	B303834-MRL1@/LOQQ1	
4 Apr 2022 10:50 pm	D22S094035.D	B303834-MRL2@/5ppm	
4 Apr 2022 11:15 pm	D22S094036.D	B303834-MRL3@/10ppm	
4 Apr 2022 11:41 pm	D22S094037.D	B303834-MRL4	
5 Apr 2022 12:06 am	D22S094038.D	B303834-MRL5@/20ppm	
5 Apr 2022 12:32 am	D22S094039.D	B303834-MRL6	
5 Apr 2022 7:42 am	D22S094040.D	2204073 SVSURR	

S070338 #2200193

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPE.M
Title : dftpp svms4 merge method C Criteria
Last Update : Sat Mar 14 15:39:58 2009



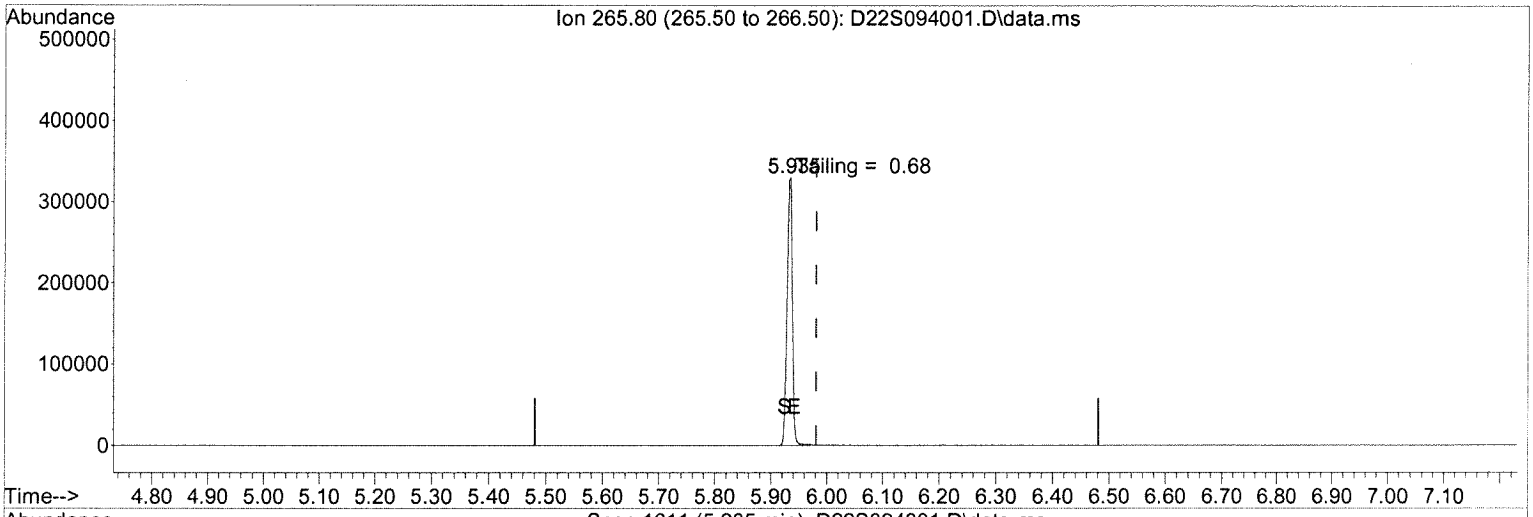
AutoFind: Scans 1717, 1718, 1719; Background Corrected with Scan 1709

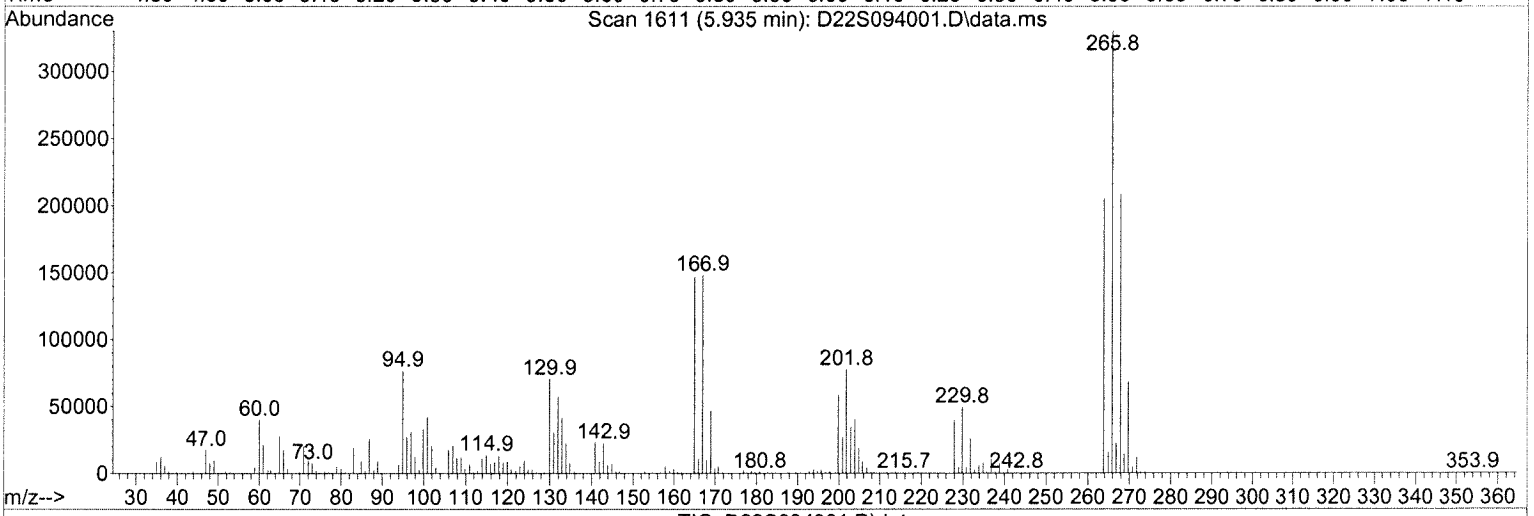
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	1723	PASS
69	69	100	100	100.0	115922	PASS
70	69	0.00	2	0.5	585	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	276352	PASS
199	198	5	9	6.7	18561	PASS
365	198	1	100	2.4	6705	PASS
441	443	0.01	150	73.2	31336	PASS
442	198	0.01	100	75.5	208597	PASS
443	442	15	24	20.5	42808	PASS

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 05 11:07:04 2022
Quant Method : C:\msdchem\1\METHODS\DFTPPE.M
DataAcq Meth:BND04022.M
Quant Title : dftpp svms4 merge method C Criteria
QLast Update : Mon Jul 12 16:04:12 2021
Response via : Initial Calibration





TIC: D22S094001.D\data.ms

(1) Pentachlorophenol

5.935min (-0.046) 0.00

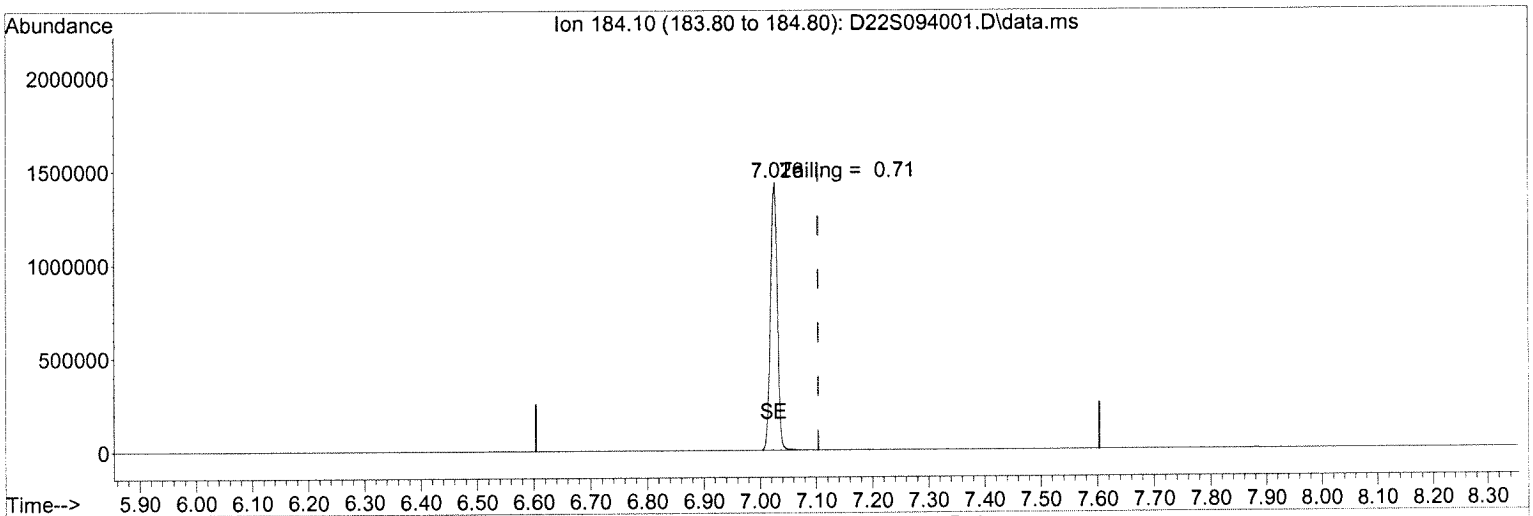
response 221710

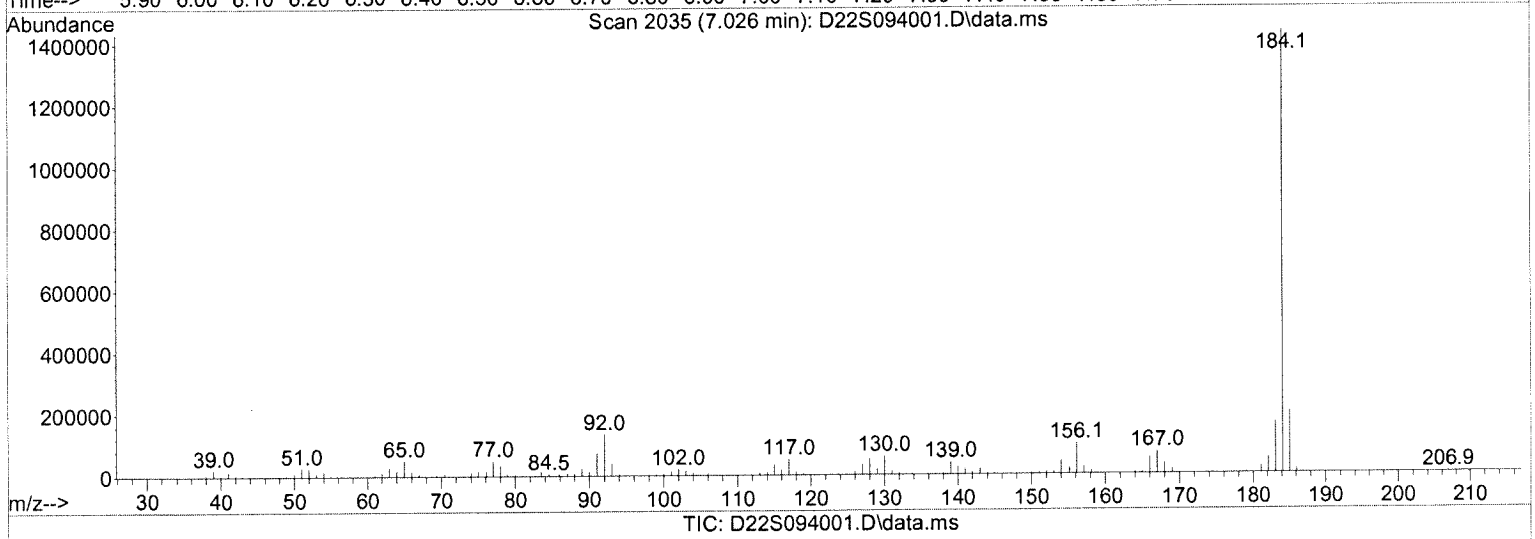
Ion	Exp%	Act%
265.80	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 05 11:07:04 2022
Quant Method : C:\msdchem\1\METHODS\DFTPPE.M
DataAcq Meth:BND04022.M
Quant Title : dftpp svms4 merge method C Criteria
QLast Update : Mon Jul 12 16:04:12 2021
Response via : Initial Calibration





TIC: D22S094001.D\data.ms

(3) benzidine

7.026min (-0.077) 0.00

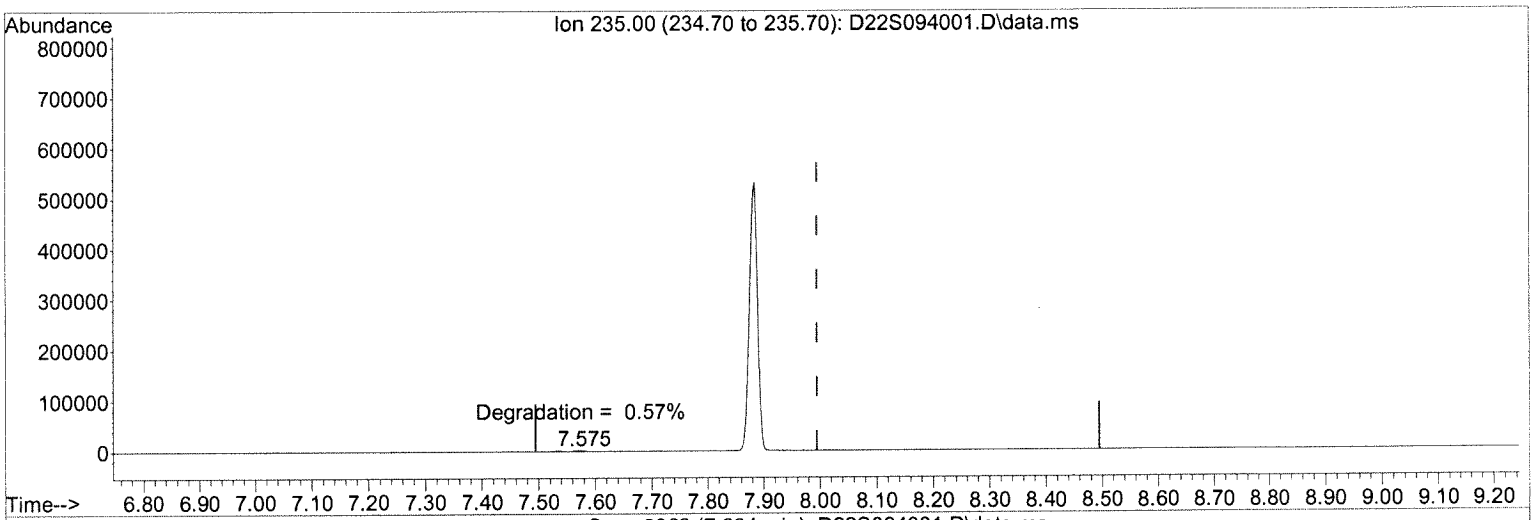
response 1236763

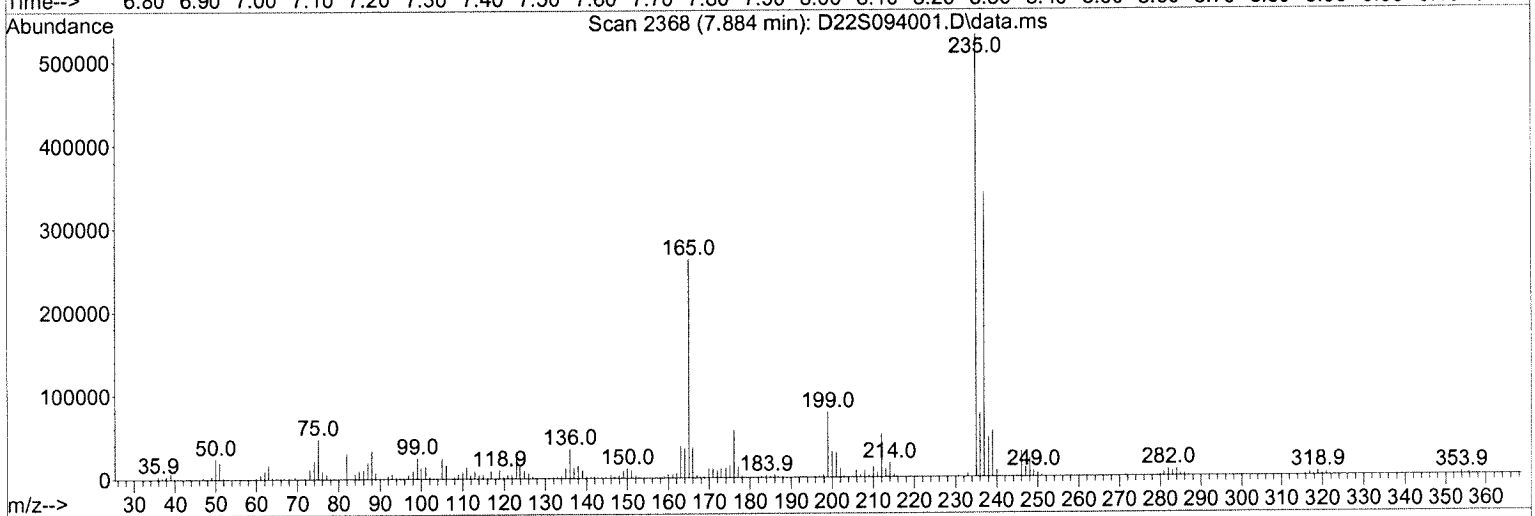
Ion	Exp%	Act%
184.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094001.D
Acq On : 4 Apr 2022 8:41 am
Operator : BGL
Sample : DFTPP 50 NG Inst : GCMSSV4
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Apr 05 11:07:04 2022
Quant Method : C:\msdchem\1\METHODS\DFTPPE.M
DataAcq Meth:BND04022.M
Quant Title : dftpp svms4 merge method C Criteria
QLast Update : Mon Jul 12 16:04:12 2021
Response via : Initial Calibration





TIC: D22S094001.D\data.ms

(4) DDT

7.884min (-0.111) 0.00

response 532630

Ion	Exp%	Act%
235.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094013.D
Acq On : 4 Apr 2022 1:43 pm
Operator : BGL
Sample : 8270std 2ppm 2111140 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 11:23:23 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 08:26:47 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	206311	40.00	ug/ml	-0.02
19) NAPHTHALENE-d8	4.060	136	801193	40.00	ug/ml	-0.02
35) ACENAPHTHENE-D10	5.132	164	421311	40.00	ug/ml	-0.02
58) PHENANTHRENE-D10	6.053	188	720684	40.00	ug/ml	-0.02
71) CHRYSENE-D12	8.504	240	577419	40.00	ug/ml	-0.04
80) PERYLENE-D12	11.002	264	556262	40.00	ug/ml	-0.04
System Monitoring Compounds						
2) 2-Fluorophenol	2.657	112	25190	3.93	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	1.97%#		
3) Phenol-d6	3.108	99	43351	4.18	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	2.09%#		
20) Nitrobenzene-d5	3.633	82	19092	2.21	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	2.21%#		
36) 2-Fluorobiphenyl	4.704	172	32204	2.32	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	2.32%#		
37) 2,4,6-Tribromophenol	5.618	330	7453	4.04	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	2.02%#		
72) Terphenyl-d14	7.248	244	35694	2.15	ug/ml	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery =	2.15%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.044	42	10350	1.87	ug/ml#	79
5) Pyridine	2.073	79	18505	1.83	ug/ml	77
6) Aniline	3.146	66	9726	2.27	ug/ml#	89
7) Phenol	3.113	94	25926	2.08	ug/ml	94
8) Bis(2-chloroethyl)ether	3.170	63	17376	2.10	ug/ml	89
9) 2-Chlorophenol	3.216	128	19767	2.13	ug/ml	96
10) 1,3-Dichlorobenzene	3.301	146	19663	2.16	ug/ml	95
11) 1,4-Dichlorobenzene	3.339	146	20003	2.20	ug/ml	91
12) 1,2-Dichlorobenzene	3.424	146	19201	2.24	ug/ml	97
13) 2- METHYLPHENOL	3.445	108	16409	2.05	ug/ml	97
14) Bis(2-Chloroisopropyl)...	3.463	45	34596	2.24	ug/ml	87
15) Acetophenone	3.543	105	28001	2.39	ug/ml	100
16) 3/4- METHYLPHENOL	3.530	107	39575	4.43	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	3.533	70	14565	2.30	ug/ml#	76
18) Hexachloroethane	3.618	117	8045	2.22	ug/ml	88
21) NITROBENZENE	3.643	77	20759	2.25	ug/ml	93
22) Isophorone	3.777	82	34118	2.12	ug/ml	97
23) 2-Nitrophenol	3.829	139	9379	1.98	ug/ml	83
24) 2,4-Dimethylphenol	3.839	122	15448	1.94	ug/ml	94
25) Bis(2-Chloroethoxy)met...	3.893	93	23500	2.26	ug/ml	96
27) 2,4-Dichlorophenol	3.970	162	15418	2.12	ug/ml	97
28) 1,2,4-Trichlorobenzene	4.022	180	15754	2.23	ug/ml	97
29) Naphthalene	4.073	128	52875	2.25	ug/ml	99
30) 4-Chloroaniline	4.094	127	18915	2.27	ug/ml	93
31) Hexachlorobutadiene	4.140	225	7782	2.17	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.377	107	16532	2.05	ug/ml	90
33) 2-MethylNaphthalene	4.488	142	29813	2.16	ug/ml	97
34) 1-Methylnaphthalene	4.550	142	33057	2.18	ug/ml	98
38) Hexachlorocyclopentadiene	4.580	237	6609	1.82	ug/ml	95
39) 1,2,4,5-Tetrachloroben...	4.588	216	14405	2.18	ug/ml	97
40) 2,4,6-Trichlorophenol	4.655	196	9855	2.04	ug/ml	97
41) 2,4,5-Trichlorophenol	4.681	196	9954	2.05	ug/ml	99

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094013.D
Acq On : 4 Apr 2022 1:43 pm
Operator : BGL
Sample : 8270std 2ppm 2111140 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 11:23:23 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 08:26:47 2022
Response via : Initial Calibration

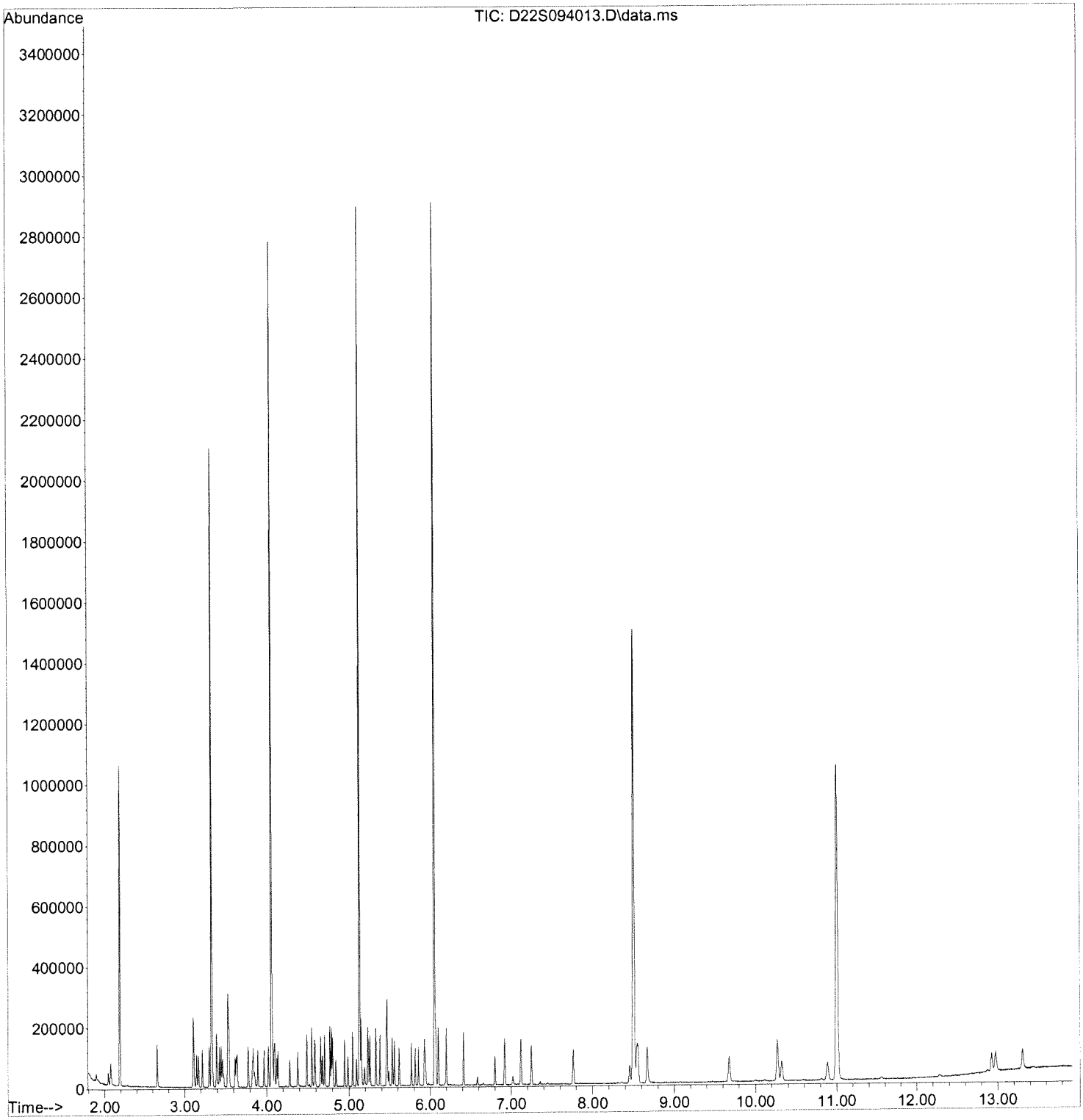
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 2-ChloroNaphthalene	4.786	162	35428	2.15 ug/ml	95
43) 2-Nitroaniline	4.838	65	10513	2.01 ug/ml#	83
44) 1,1-Biphenyl	4.768	154	38441	2.26 ug/ml	98
45) DIMETHYL PHTHALATE	4.944	163	37595	2.17 ug/ml#	80
46) 2,6-DinitroToluene	4.987	165	6418	1.77 ug/ml#	73
47) Acenaphthylene	5.044	152	49628	2.15 ug/ml	99
48) 3-Nitroaniline	5.093	138	8096	1.95 ug/ml	85
49) Acenaphthene	5.150	154	30978	2.14 ug/ml	96
51) 4-Nitrophenol	5.191	109	4819	1.86 ug/ml#	83
52) Dibenzofuran	5.255	168	41771	2.25 ug/ml	97
53) 2,4-Dinitrotoluene	5.234	165	9128	1.88 ug/ml	79
54) DIETHYL PHTHALATE	5.379	149	38247	2.23 ug/ml	98
55) 4-Chlorophenyl phenyl ...	5.461	204	16707	2.19 ug/ml	91
56) Flourene	5.469	166	34568	2.24 ug/ml	99
57) 4-Nitroaniline	5.469	138	8451	2.01 ug/ml#	75
59) 4,6-Dinitro-2-Methylph...	5.489	198	3157	1.17 ug/ml#	57
60) N-Nitrosodiphenylamine	5.531	169	24197	1.94 ug/ml	98
61) 1,2-Diphenylhydrazine	5.559	77	39200	2.32 ug/ml	91
62) 4-Bromophenyl phenyl e...	5.765	248	8661	2.14 ug/ml	90
63) Hexachlorobenzene	5.811	284	9204	2.13 ug/ml	93
64) Pentachlorophenol	5.930	266	4372	1.54 ug/ml	98
65) Pentachloronitrobenzene	5.940	295	1343	1.78 ug/ml#	85
66) Phenanthrene	6.069	178	49784	2.24 ug/ml	99
67) Anthracene	6.100	178	49574	2.20 ug/ml	100
68) Carbazole	6.197	167	48369	2.23 ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	61677	2.07 ug/ml	99
70) Flouranthene	6.921	202	50442	2.11 ug/ml	98
73) Benzidine	7.019	184	10239	2.97 ug/ml	95
74) Pyrene	7.119	202	54370	2.19 ug/ml	99
75) Butylbenzyl phthalate	7.763	149	26543	1.93 ug/ml	90
76) 3,3'-Dichlorobenzidine	8.450	252	15021	1.98 ug/ml	96
77) Benzo(a)anthracene	8.489	228	45581	2.05 ug/ml	98
78) Chrysene	8.540	228	43971	2.14 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.556	149	35615	2.01 ug/ml	98
81) Di-n-octylphthalate	9.676	149	57676	1.77 ug/ml	87
82) Benzo(b)fluoranthene	10.273	252	41208	1.96 ug/ml	96
83) Benzo(k)fluoranthene	10.322	252	38044	2.06 ug/ml	95
84) Benzo(a)pyrene	10.886	252	35723	1.96 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.925	276	30759	2.01 ug/ml	93
86) Dibenz(a,h)anthracene	12.974	278	32241	2.02 ug/ml	97
87) Benzo(g,h,i)perylene	13.304	276	34127	2.17 ug/ml	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094013.D
Acq On : 4 Apr 2022 1:43 pm
Operator : BGL
Sample : 8270std 2ppm 2111140 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 05 11:23:23 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 08:26:47 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094014.D
Acq On : 4 Apr 2022 2:08 pm
Operator : BGL
Sample : 8270std 5ppm 2111132 Inst : GCMSSV4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 05 11:29:31 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:25:52 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	169847	40.00	ug/ml	-0.02
19) NAPHTHALENE-d8	4.060	136	666613	40.00	ug/ml	-0.02
35) ACENAPHTHENE-D10	5.131	164	342521	40.00	ug/ml	-0.02
58) PHENANTHRENE-D10	6.053	188	594680	40.00	ug/ml	-0.02
71) CHRYSENE-D12	8.504	240	502085	40.00	ug/ml	-0.04
80) PERYLENE-D12	11.005	264	483907	40.00	ug/ml	-0.04
System Monitoring Compounds						
2) 2-Fluorophenol	2.657	112	46207	8.76	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.38%#		
3) Phenol-d6	3.108	99	80146	9.40	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.70%#		
20) Nitrobenzene-d5	3.633	82	36849	5.14	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	5.14%#		
36) 2-Fluorobiphenyl	4.704	172	56821	5.04	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	5.04%#		
37) 2,4,6-Tribromophenol	5.616	330	13571	9.05	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	4.53%#		
72) Terphenyl-d14	7.248	244	65653	4.54	ug/ml	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.54%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.039	42	18085	3.97	ug/ml#	80
5) Pyridine	2.070	79	33650	4.05	ug/ml#	78
6) Aniline	3.146	66	16435	4.67	ug/ml	91
7) Phenol	3.113	94	46833	4.55	ug/ml	94
8) Bis(2-chloroethyl)ether	3.170	63	31325	4.60	ug/ml#	85
9) 2-Chlorophenol	3.216	128	34935	4.56	ug/ml	92
10) 1,3-Dichlorobenzene	3.301	146	35267	4.71	ug/ml	98
11) 1,4-Dichlorobenzene	3.339	146	36096	4.83	ug/ml	95
12) 1,2-Dichlorobenzene	3.424	146	34045	4.82	ug/ml	98
13) 2- METHYLPHENOL	3.445	108	29914	4.54	ug/ml	99
14) Bis(2-Chloroisopropyl)...	3.463	45	59121	4.66	ug/ml	79
15) Acetophenone	3.543	105	48995	5.07	ug/ml	100
16) 3/4- METHYLPHENOL	3.530	107	70753	9.62	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	3.535	70	25990	4.99	ug/ml#	78
18) Hexachloroethane	3.618	117	13829	4.63	ug/ml	92
21) NITROBENZENE	3.643	77	36907	4.81	ug/ml	94
22) Isophorone	3.777	82	60283	4.50	ug/ml	96
23) 2-Nitrophenol	3.829	139	17018	4.31	ug/ml#	78
24) 2,4-Dimethylphenol	3.839	122	28737	4.34	ug/ml	93
25) Bis(2-Chloroethoxy)met...	3.893	93	39952	4.63	ug/ml	97
26) Benzoic Acid	3.860	122	13506	2.88	ug/ml	95
27) 2,4-Dichlorophenol	3.970	162	27719	4.57	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.022	180	27478	4.68	ug/ml	98
29) Naphthalene	4.073	128	92874m	4.74	ug/ml	
30) 4-Chloroaniline	4.094	127	34720	5.00	ug/ml	97
31) Hexachlorobutadiene	4.140	225	14080	4.71	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.377	107	30076	4.49	ug/ml	92
33) 2-MethylNaphthalene	4.488	142	52689	4.59	ug/ml	97
34) 1-Methylnaphthalene	4.550	142	59679	4.74	ug/ml	97
38) Hexachlorocyclopentadiene	4.583	237	12303	4.17	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.588	216	25150	4.67	ug/ml	96
40) 2,4,6-Trichlorophenol	4.655	196	18487	4.70	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094014.D
Acq On : 4 Apr 2022 2:08 pm
Operator : BGL
Sample : 8270std 5ppm 2111132 Inst : GCMSSV4
Misc :
ALS Vial : 14 Sample Multiplier: 1

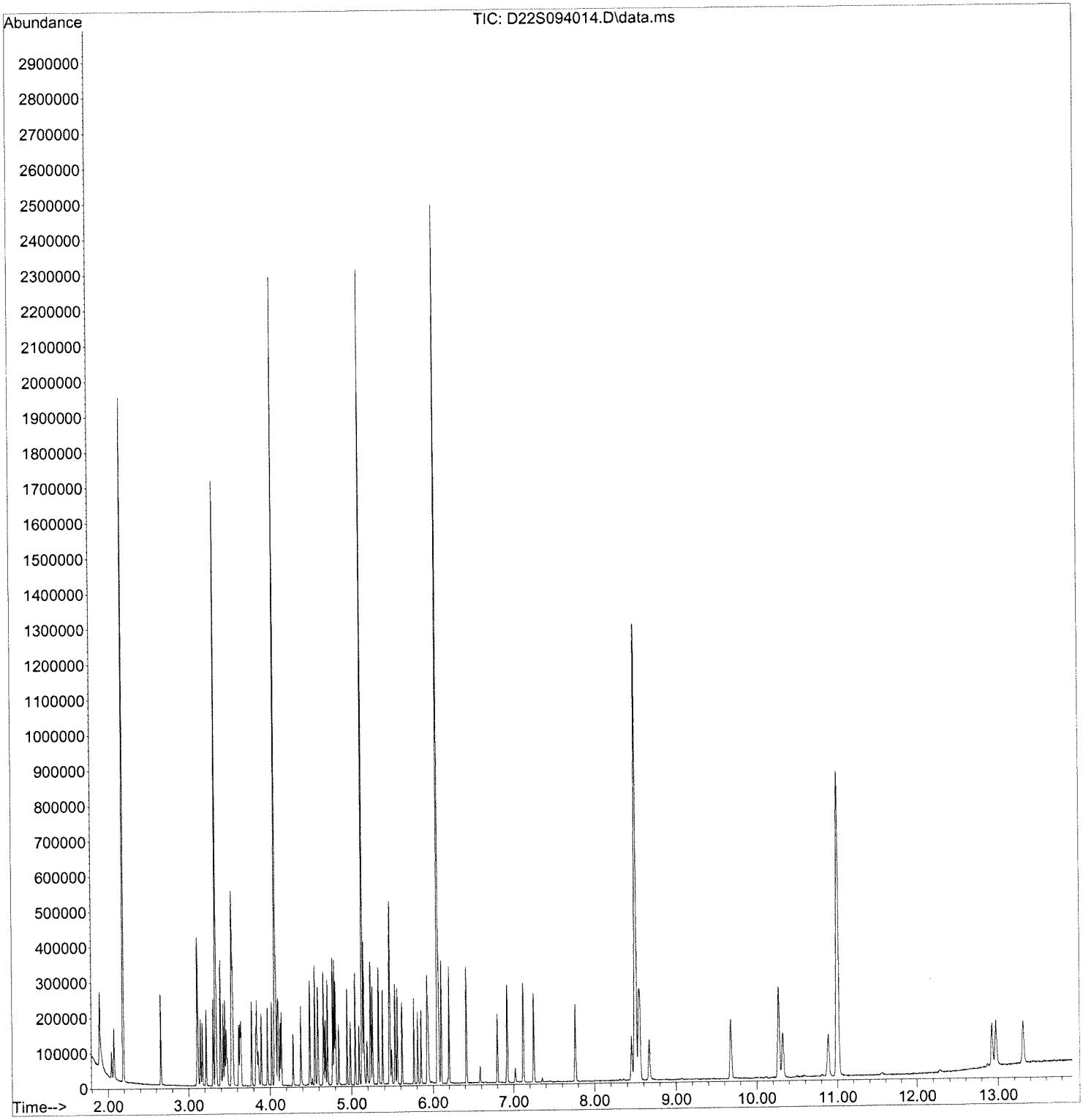
Quant Time: Apr 05 11:29:31 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:25:52 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.681	196	18331	4.64	ug/ml	99
42) 2-ChloroNaphthalene	4.786	162	64676	4.84	ug/ml	97
43) 2-Nitroaniline	4.841	65	19515	4.58	ug/ml#	82
44) 1,1-Biphenyl	4.768	154	67453	4.88	ug/ml	99
45) DIMETHYL PHTHALATE	4.944	163	65733	4.66	ug/ml#	80
46) 2,6-DinitroToluene	4.985	165	12616	4.29	ug/ml	79
47) Acenaphthylene	5.044	152	88625	4.73	ug/ml	99
48) 3-Nitroaniline	5.090	138	15321	4.53	ug/ml	90
49) Acenaphthene	5.149	154	54755	4.66	ug/ml	98
50) 2,4-Dinitrophenol	5.157	184	4749	2.54	ug/ml#	1
51) 4-Nitrophenol	5.191	109	8863	4.20	ug/ml#	81
52) Dibenzofuran	5.255	168	72143	4.78	ug/ml	97
53) 2,4-Dinitrotoluene	5.234	165	17021	4.32	ug/ml	83
54) DIETHYL PHTHALATE	5.379	149	64982	4.66	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.461	204	29561	4.76	ug/ml	96
56) Flourene	5.469	166	60506	4.82	ug/ml	100
57) 4-Nitroaniline	5.469	138	15887	4.64	ug/ml#	76
59) 4,6-Dinitro-2-Methylph...	5.489	198	6966	3.14	ug/ml#	67
60) N-Nitrosodiphenylamine	5.531	169	42671	4.14	ug/ml	98
61) 1,2-Diphenylhydrazine	5.559	77	68554	4.91	ug/ml	91
62) 4-Bromophenyl phenyl e...	5.765	248	15210	4.56	ug/ml	91
63) Hexachlorobenzene	5.811	284	16381	4.60	ug/ml	97
64) Pentachlorophenol	5.932	266	9184	3.91	ug/ml	98
65) Pentachloronitrobenzene	5.940	295	2932	4.70	ug/ml	93
66) Phenanthrene	6.069	178	89058	4.85	ug/ml	99
67) Anthracene	6.102	178	88005	4.74	ug/ml	99
68) Carbazole	6.197	167	85646	4.78	ug/ml	100
69) Di-N-Butyl Phthalate	6.414	149	115035	4.68	ug/ml	99
70) Flouranthene	6.921	202	91348	4.63	ug/ml	98
73) Benzidine	7.019	184	14786	4.93	ug/ml	96
74) Pyrene	7.122	202	97539	4.51	ug/ml	100
75) Butylbenzyl phthalate	7.763	149	50354	4.22	ug/ml	91
76) 3,3'-Dichlorobenzidine	8.453	252	28194	4.26	ug/ml	97
77) Benzo(a)anthracene	8.489	228	86372	4.46	ug/ml	99
78) Chrysene	8.538	228	83463	4.68	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.556	149	69815	4.52	ug/ml	99
81) Di-n-octylphthalate	9.676	149	115657	4.08	ug/ml	90
82) Benzo(b)fluoranthene	10.273	252	80219	4.39	ug/ml	96
83) Benzo(k)fluoranthene	10.322	252	70280	4.37	ug/ml	91
84) Benzo(a)pyrene	10.889	252	69038	4.36	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	12.923	276	58533	4.39	ug/ml	93
86) Dibenz(a,h)anthracene	12.972	278	60880	4.38	ug/ml	93
87) Benzo(g,h,i)perylene	13.306	276	64323	4.70	ug/ml	92

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

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094014.D
Acq On : 4 Apr 2022 2:08 pm
Operator : BGL
Sample : 8270std 5ppm 2111132 Inst : GCMSSV4
Misc :
ALS Vial : 14 Sample Multiplier: 1

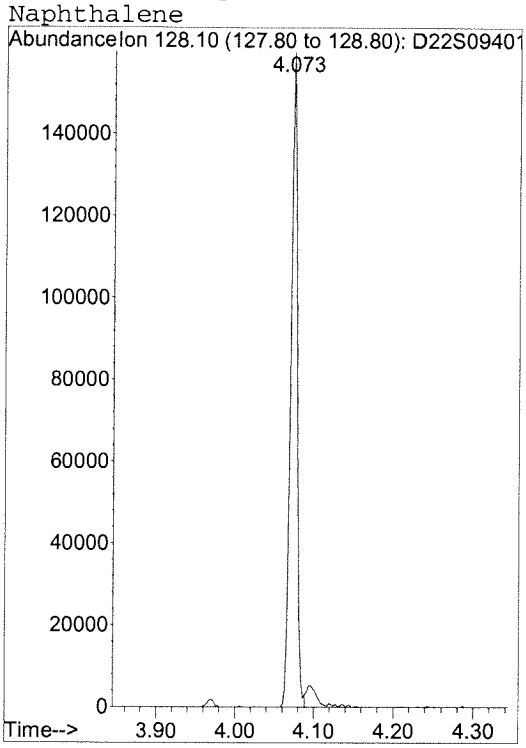
Quant Time: Apr 05 11:29:31 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:25:52 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094014.D
Acq On : 4 Apr 2022 2:08 pm
Operator : BGL
Sample : 8270std 5ppm 2111132
Misc :

Quant Time : Tue Apr 05 11:29:31 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:25:52 2022

Original Integration
Naphthalene



Original Int. Results

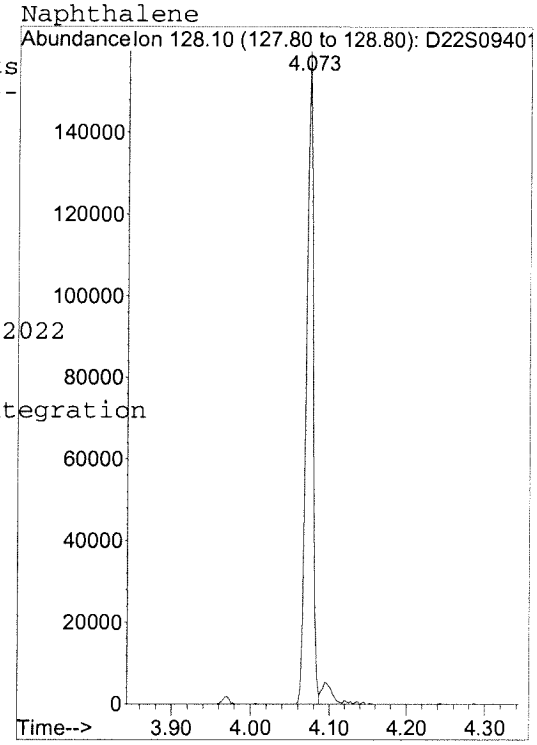
RT : 4.07
Area : 93379
Amount: 4.7674

Manual Int. Results

Tue Apr 05 11:29:31 2022

MIuser: BGL
Reason: Incorrect Integration
RT : 4.07
Area : 92874
Amount: 4.74162

Manual Integration
Naphthalene



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094015.D
Acq On : 4 Apr 2022 2:32 pm
Operator : BGL
Sample : 8270std 10ppm 2111134 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 05 11:31:26 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:30:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	177401	40.00	ug/ml	-0.02
19) NAPHTHALENE-d8	4.060	136	697556	40.00	ug/ml	-0.02
35) ACENAPHTHENE-D10	5.132	164	362284	40.00	ug/ml	-0.02
58) PHENANTHRENE-D10	6.056	188	627605	40.00	ug/ml	-0.02
71) CHRYSENE-D12	8.504	240	523846	40.00	ug/ml	-0.04
80) PERYLENE-D12	11.005	264	498805	40.00	ug/ml	-0.04
System Monitoring Compounds						
2) 2-Fluorophenol	2.657	112	123444	22.39	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	11.20%#		
3) Phenol-d6	3.108	99	215300	24.17	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	12.09%#		
20) Nitrobenzene-d5	3.633	82	91414	12.18	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	12.18%#		
36) 2-Fluorobiphenyl	4.707	172	148828	12.47	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	12.47%#		
37) 2,4,6-Tribromophenol	5.618	330	36298	22.89	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	11.45%#		
72) Terphenyl-d14	7.251	244	175377	11.62	ug/ml	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery =	11.62%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.039	42	50210	10.54	ug/ml#	79
5) Pyridine	2.068	79	92004	10.59	ug/ml#	76
6) Aniline	3.146	66	47014	12.78	ug/ml	93
7) Phenol	3.115	94	127551	11.88	ug/ml	93
8) Bis(2-chloroethyl)ether	3.170	63	87521	12.31	ug/ml#	83
9) 2-Chlorophenol	3.216	128	92834	11.61	ug/ml	91
10) 1,3-Dichlorobenzene	3.301	146	91678	11.73	ug/ml	98
11) 1,4-Dichlorobenzene	3.339	146	93193	11.93	ug/ml	97
12) 1,2-Dichlorobenzene	3.424	146	88808	12.04	ug/ml	99
13) 2- METHYLPHENOL	3.445	108	83405	12.11	ug/ml	96
14) Bis(2-Chloroisopropyl)...	3.463	45	168045	12.68	ug/ml	86
15) Acetophenone	3.543	105	129957	12.88	ug/ml	96
16) 3/4- METHYLPHENOL	3.530	107	192385	25.04	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	3.535	70	70670	12.99	ug/ml#	75
18) Hexachloroethane	3.618	117	36815	11.80	ug/ml	87
21) NITROBENZENE	3.646	77	98564	12.27	ug/ml	95
22) Isophorone	3.777	82	171130	12.19	ug/ml	95
23) 2-Nitrophenol	3.829	139	47748	11.55	ug/ml	84
24) 2,4-Dimethylphenol	3.839	122	78448	11.31	ug/ml	95
25) Bis(2-Chloroethoxy)met...	3.893	93	110985	12.28	ug/ml	97
26) Benzoic Acid	3.867	122	49178	10.02	ug/ml	98
27) 2,4-Dichlorophenol	3.970	162	73957	11.65	ug/ml	97
28) 1,2,4-Trichlorobenzene	4.022	180	72243	11.76	ug/ml	98
29) Naphthalene	4.073	128	242534m	11.84	ug/ml	
30) 4-Chloroaniline	4.094	127	93395	12.85	ug/ml	95
31) Hexachlorobutadiene	4.140	225	36001	11.52	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.380	107	81289	11.58	ug/ml	93
33) 2-MethylNaphthalene	4.488	142	140993	11.74	ug/ml	98
34) 1-Methylnaphthalene	4.550	142	154685	11.73	ug/ml	98
38) Hexachlorocyclopentadiene	4.583	237	33826	10.84	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.588	216	67334	11.83	ug/ml	98
40) 2,4,6-Trichlorophenol	4.655	196	48565	11.67	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094015.D
Acq On : 4 Apr 2022 2:32 pm
Operator : BGL
Sample : 8270std 10ppm 2111134 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 05 11:31:26 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:30:24 2022
Response via : Initial Calibration

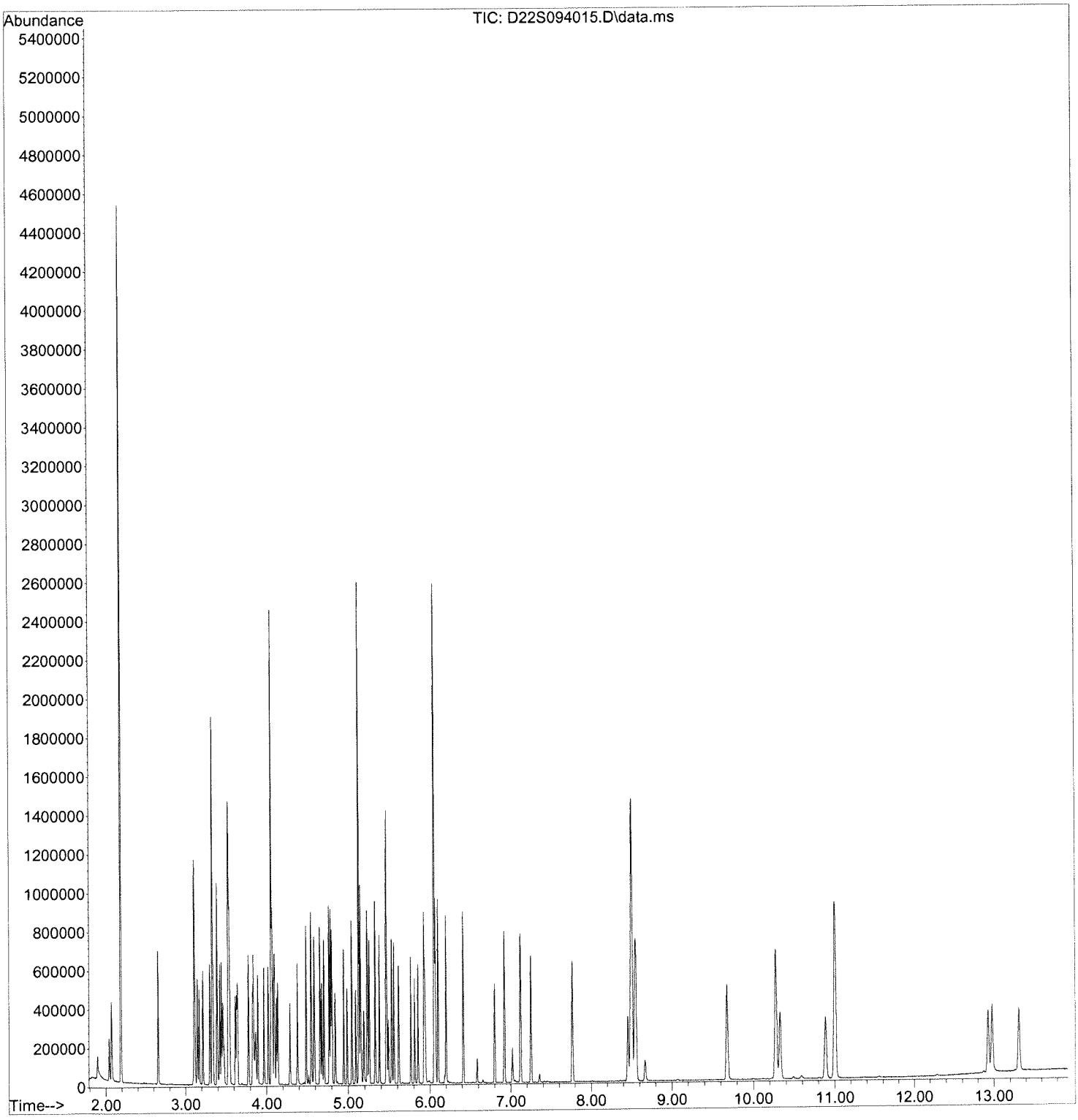
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.681	196	48941	11.71 ug/ml	99
42) 2-ChloroNaphthalene	4.786	162	167629	11.86 ug/ml	97
43) 2-Nitroaniline	4.841	65	54956	12.19 ug/ml#	82
44) 1,1-Biphenyl	4.768	154	176852	12.10 ug/ml	99
45) DIMETHYL PHTHALATE	4.946	163	175807	11.79 ug/ml#	80
46) 2,6-DinitroToluene	4.985	165	35893	11.53 ug/ml#	78
47) Acenaphthylene	5.044	152	234383	11.83 ug/ml	100
48) 3-Nitroaniline	5.093	138	43174	12.07 ug/ml	89
49) Acenaphthene	5.150	154	145231	11.68 ug/ml	98
50) 2,4-Dinitrophenol	5.157	184	17460	8.83 ug/ml#	71
51) 4-Nitrophenol	5.191	109	25570	11.46 ug/ml#	82
52) Dibenzofuran	5.258	168	190639	11.93 ug/ml	96
53) 2,4-Dinitrotoluene	5.234	165	48694	11.69 ug/ml	78
54) DIETHYL PHTHALATE	5.379	149	177851	12.06 ug/ml	98
55) 4-Chlorophenyl phenyl ...	5.461	204	78113	11.89 ug/ml	94
56) Flourene	5.469	166	158928	11.98 ug/ml	100
57) 4-Nitroaniline	5.469	138	43617	12.06 ug/ml#	76
59) 4,6-Dinitro-2-Methylph...	5.489	198	23720	10.14 ug/ml#	70
60) N-Nitrosodiphenylamine	5.533	169	113118	10.40 ug/ml	98
61) 1,2-Diphenylhydrazine	5.559	77	187989	12.75 ug/ml	88
62) 4-Bromophenyl phenyl e...	5.765	248	40446	11.49 ug/ml	91
63) Hexachlorobenzene	5.811	284	43089	11.48 ug/ml	93
64) Pentachlorophenol	5.932	266	27634	11.16 ug/ml	99
65) Pentachloronitrobenzene	5.940	295	7427	11.28 ug/ml	95
66) Phenanthrene	6.069	178	230035	11.86 ug/ml	100
67) Anthracene	6.102	178	239015	12.20 ug/ml	100
68) Carbazole	6.200	167	233502	12.36 ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	314855	12.13 ug/ml	99
70) Flouranthene	6.921	202	245706	11.80 ug/ml	97
73) Benzidine	7.019	184	56660	18.11 ug/ml	96
74) Pyrene	7.122	202	261679	11.60 ug/ml	100
75) Butylbenzyl phthalate	7.766	149	145062	11.64 ug/ml	90
76) 3,3'-Dichlorobenzidine	8.456	252	77751	11.27 ug/ml	97
77) Benzo(a)anthracene	8.492	228	228814	11.32 ug/ml	99
78) Chrysene	8.543	228	217426	11.67 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.556	149	194469	12.08 ug/ml	99
81) Di-n-octylphthalate	9.676	149	331717	11.36 ug/ml	89
82) Benzo(b)fluoranthene	10.276	252	217141	11.54 ug/ml	96
83) Benzo(k)fluoranthene	10.325	252	192512	11.62 ug/ml	94
84) Benzo(a)pyrene	10.886	252	187913	11.51 ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.925	276	164166	11.95 ug/ml	94
86) Dibenz(a,h)anthracene	12.977	278	170481	11.90 ug/ml	96
87) Benzo(g,h,i)perylene	13.312	276	177407	12.57 ug/ml	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094015.D
Acq On : 4 Apr 2022 2:32 pm
Operator : BGL
Sample : 8270std 10ppm 2111134 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

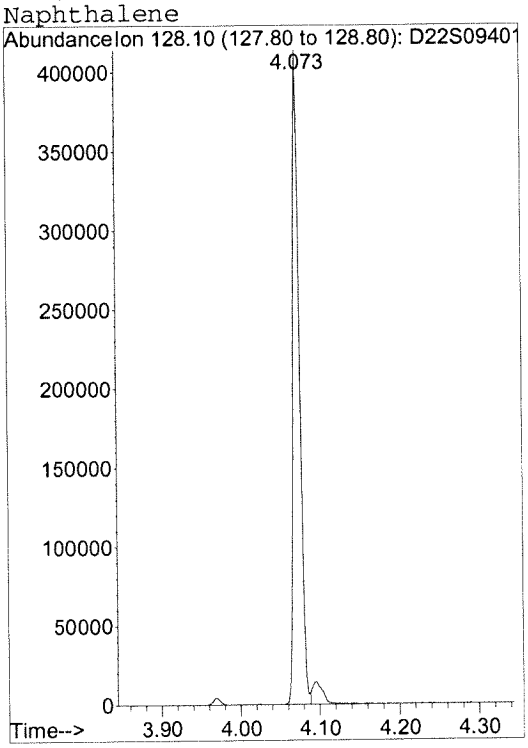
Quant Time: Apr 05 11:31:26 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:30:24 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094015.D
Acq On : 4 Apr 2022 2:32 pm
Operator : BGL
Sample : 8270std 10ppm 2111134
Misc :

Quant Time : Tue Apr 05 11:31:26 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:30:24 2022

Original Integration
Naphthalene



Original Int. Results

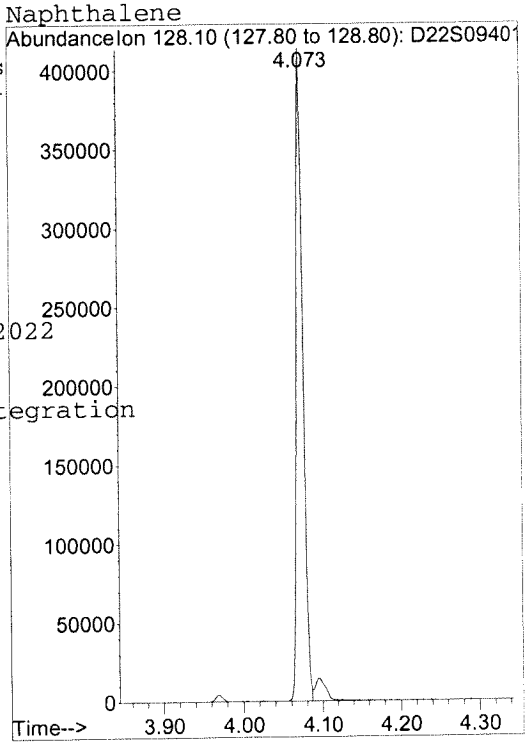
RT : 4.07
Area : 243616
Amount: 11.8936

Manual Int. Results

Tue Apr 05 11:31:26 2022

MIuser: BGL
Reason: Incorrect Integration
RT : 4.07
Area : 242534
Amount: 11.8408

Manual Integration
Naphthalene



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094016.D
Acq On : 4 Apr 2022 2:56 pm
Operator : BGL
Sample : 8270std 20ppm 2111135 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 11:32:25 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:31:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	211267	40.00	ug/ml	-0.02
19) NAPHTHALENE-d8	4.060	136	813220	40.00	ug/ml	-0.02
35) ACENAPHTHENE-D10	5.132	164	425399	40.00	ug/ml	-0.02
58) PHENANTHRENE-D10	6.056	188	757907	40.00	ug/ml	-0.02
71) CHRYSENE-D12	8.507	240	637763	40.00	ug/ml	-0.03
80) PERYLENE-D12	11.007	264	610072	40.00	ug/ml	-0.04
System Monitoring Compounds						
2) 2-Fluorophenol	2.657	112	258936	39.45	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	19.73%#		
3) Phenol-d6	3.108	99	421839	39.76	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	19.88%#		
20) Nitrobenzene-d5	3.636	82	173018	19.77	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	19.77%#		
36) 2-Fluorobiphenyl	4.707	172	303098	21.63	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery =	21.63%#		
37) 2,4,6-Tribromophenol	5.618	330	76632	41.15	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery =	20.57%#		
72) Terphenyl-d14	7.248	244	370228	20.15	ug/ml	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery =	20.15%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.039	42	100466	17.71	ug/ml#	81
5) Pyridine	2.068	79	188967	18.26	ug/ml#	77
6) Aniline	3.146	66	77591	17.71	ug/ml	95
7) Phenol	3.116	94	250859	19.61	ug/ml	96
8) Bis(2-chloroethyl)ether	3.170	63	160824	18.99	ug/ml	88
9) 2-Chlorophenol	3.216	128	187413	19.68	ug/ml	95
10) 1,3-Dichlorobenzene	3.301	146	189069	20.31	ug/ml	100
11) 1,4-Dichlorobenzene	3.340	146	186728	20.07	ug/ml	99
12) 1,2-Dichlorobenzene	3.425	146	178455	20.32	ug/ml	99
13) 2- METHYLPHENOL	3.448	108	163866	19.98	ug/ml	95
14) Bis(2-Chloroisopropyl)...	3.463	45	297415	18.84	ug/ml	80
15) Acetophenone	3.543	105	246487	20.51	ug/ml	98
16) 3/4- METHYLPHENOL	3.530	107	367885	40.20	ug/ml	100
17) N-Nitroso-Di-N-Propyla...	3.538	70	130450	20.13	ug/ml	83
18) Hexachloroethane	3.618	117	70900	19.08	ug/ml	93
21) NITROBENZENE	3.646	77	182158	19.44	ug/ml	98
22) Isophorone	3.777	82	319123	19.51	ug/ml	98
23) 2-Nitrophenol	3.829	139	96526	20.03	ug/ml	90
24) 2,4-Dimethylphenol	3.839	122	160473	19.84	ug/ml	95
25) Bis(2-Chloroethoxy)met...	3.896	93	212274	20.15	ug/ml	96
26) Benzoic Acid	3.875	122	108579	18.98	ug/ml	94
27) 2,4-Dichlorophenol	3.970	162	149537	20.21	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.022	180	147526	20.60	ug/ml	99
29) Naphthalene	4.073	128	481698	20.19	ug/ml	99
30) 4-Chloroaniline	4.094	127	178151	21.03	ug/ml	97
31) Hexachlorobutadiene	4.140	225	75412	20.69	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.380	107	158375	19.36	ug/ml	95
33) 2-MethylNaphthalene	4.488	142	281667	20.12	ug/ml	99
34) 1-Methylnaphthalene	4.550	142	312417	20.32	ug/ml	98
38) Hexachlorocyclopentadiene	4.583	237	74620	20.36	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.588	216	139318	20.84	ug/ml	99
40) 2,4,6-Trichlorophenol	4.655	196	99477	20.35	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094016.D
Acq On : 4 Apr 2022 2:56 pm
Operator : BGL
Sample : 8270std 20ppm 2111135 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 11:32:25 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:31:37 2022
Response via : Initial Calibration

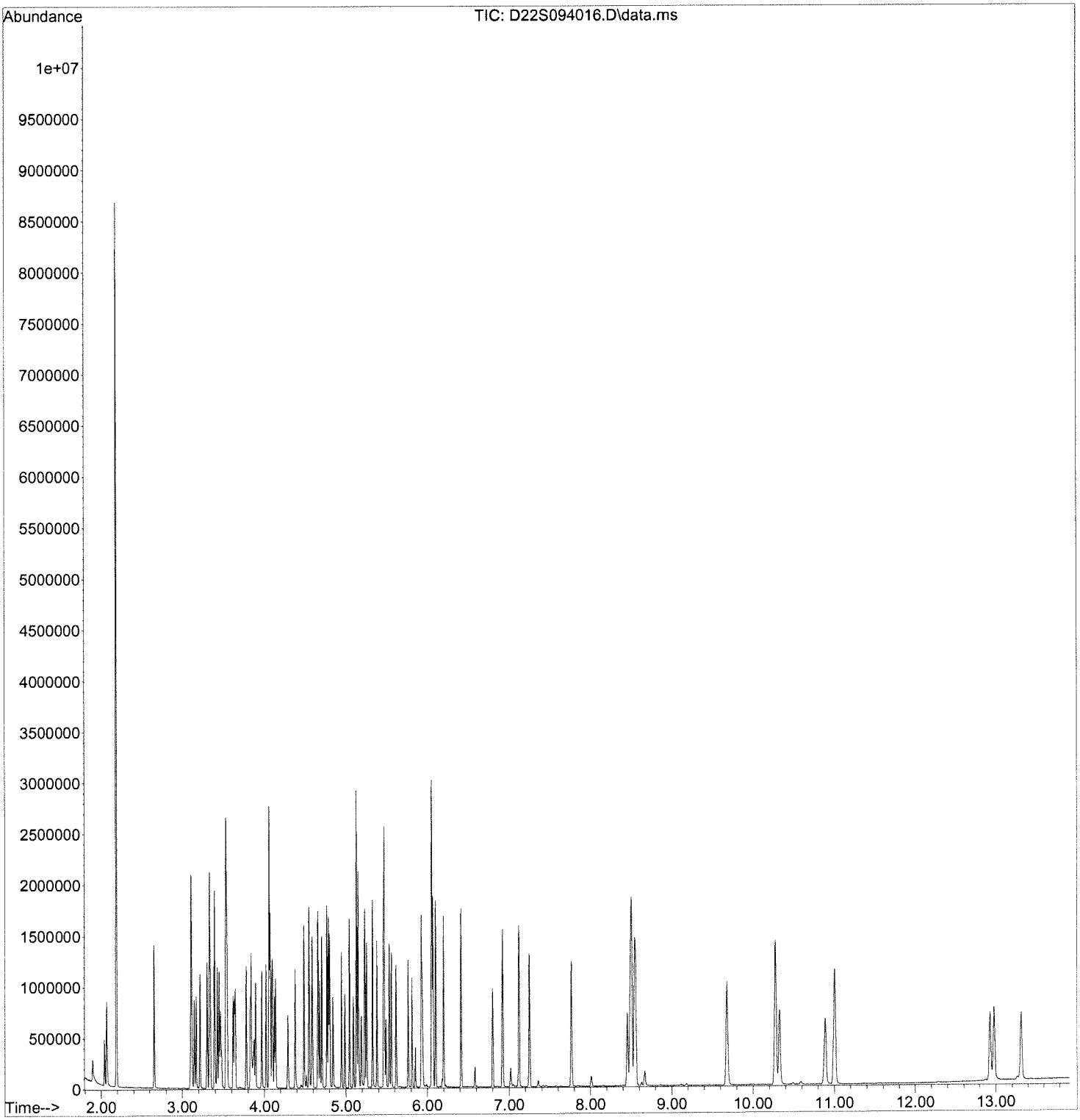
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.681	196	98775	20.12	ug/ml	99
42) 2-ChloroNaphthalene	4.789	162	360376	21.71	ug/ml	98
43) 2-Nitroaniline	4.841	65	101635	19.21	ug/ml	88
44) 1,1-Biphenyl	4.769	154	355088	20.69	ug/ml	100
45) DIMETHYL PHTHALATE	4.946	163	350003	19.99	ug/ml	100
46) 2,6-DinitroToluene	4.987	165	72349	19.79	ug/ml	85
47) Acenaphthylene	5.044	152	472846	20.32	ug/ml	100
48) 3-Nitroaniline	5.093	138	87215	20.76	ug/ml	95
49) Acenaphthene	5.152	154	298543	20.45	ug/ml	98
50) 2,4-Dinitrophenol	5.157	184	40571	17.47	ug/ml#	95
51) 4-Nitrophenol	5.191	109	50394	19.23	ug/ml	90
52) Dibenzofuran	5.258	168	382078	20.37	ug/ml	98
53) 2,4-Dinitrotoluene	5.237	165	99225	20.29	ug/ml	87
54) DIETHYL PHTHALATE	5.381	149	347050	20.04	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.461	204	157766	20.45	ug/ml	96
56) Flourene	5.469	166	316035	20.28	ug/ml	100
57) 4-Nitroaniline	5.471	138	84449	19.88	ug/ml#	84
59) 4,6-Dinitro-2-Methylph...	5.489	198	52125	18.44	ug/ml	84
60) N-Nitrosodiphenylamine	5.533	169	227305	17.31	ug/ml	99
61) 1,2-Diphenylhydrazine	5.559	77	347186	19.50	ug/ml	92
62) 4-Bromophenyl phenyl e...	5.765	248	85762	20.17	ug/ml	93
63) Hexachlorobenzene	5.814	284	90671	20.00	ug/ml	96
64) Pentachlorophenol	5.932	266	57590	19.25	ug/ml	100
65) Pentachloronitrobenzene	5.940	295	16010	20.14	ug/ml	98
66) Phenanthrene	6.069	178	466703	19.93	ug/ml	100
67) Anthracene	6.102	178	474590	20.05	ug/ml	100
68) Carbazole	6.198	167	471381	20.66	ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	629587	20.09	ug/ml	99
70) Flouranthene	6.921	202	507608	20.19	ug/ml	99
73) Benzidine	7.019	184	62656	16.45	ug/ml	96
74) Pyrene	7.122	202	542473	19.76	ug/ml	99
75) Butylbenzyl phthalate	7.763	149	290176	19.13	ug/ml	94
76) 3,3'-Dichlorobenzidine	8.453	252	173273	20.63	ug/ml	98
77) Benzo(a)anthracene	8.492	228	487313	19.80	ug/ml	100
78) Chrysene	8.541	228	453934	20.02	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.556	149	392376	20.01	ug/ml	99
81) Di-n-octylphthalate	9.679	149	688586	19.28	ug/ml	90
82) Benzo(b)fluoranthene	10.276	252	455421	19.78	ug/ml	97
83) Benzo(k)fluoranthene	10.330	252	414273	20.44	ug/ml	97
84) Benzo(a)pyrene	10.891	252	396960	19.89	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.931	276	348919	20.76	ug/ml	96
86) Dibenz(a,h)anthracene	12.979	278	363093	20.72	ug/ml	97
87) Benzo(g,h,i)perylene	13.314	276	373942	21.66	ug/ml	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094016.D
Acq On : 4 Apr 2022 2:56 pm
Operator : BGL
Sample : 8270std 20ppm 2111135 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 05 11:32:25 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:31:37 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094017.D
Acq On : 4 Apr 2022 3:21 pm
Operator : BGL
Sample : 8270std 50ppm 2111136 Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 05 11:33:41 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:33:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	171281	40.00	ug/ml	-0.02
19) NAPHTHALENE-d8	4.063	136	678369	40.00	ug/ml	-0.02
35) ACENAPHTHENE-D10	5.131	164	360251	40.00	ug/ml	-0.02
58) PHENANTHRENE-D10	6.056	188	641223	40.00	ug/ml	-0.02
71) CHRYSENE-D12	8.509	240	517672	40.00	ug/ml	-0.03
80) PERYLENE-D12	11.010	264	502363	40.00	ug/ml	-0.04
System Monitoring Compounds						
2) 2-Fluorophenol	2.657	112	556486	104.56	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery = 52.28%			
3) Phenol-d6	3.110	99	906378	105.38	ug/ml	-0.01
Spiked Amount 200.000	Range 30 - 130		Recovery = 52.69%			
20) Nitrobenzene-d5	3.635	82	366219	50.16	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.16%			
36) 2-Fluorobiphenyl	4.707	172	594179	50.07	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.07%			
37) 2,4,6-Tribromophenol	5.621	330	156716	99.37	ug/ml	-0.02
Spiked Amount 200.000	Range 30 - 130		Recovery = 49.69%			
72) Terphenyl-d14	7.253	244	771565	51.74	ug/ml	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.74%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.042	42	240492	52.29	ug/ml#	79
5) Pyridine	2.067	79	435619	51.93	ug/ml#	75
6) Aniline	3.149	66	158463	44.61	ug/ml	92
7) Phenol	3.118	94	536965	51.78	ug/ml	94
8) Bis(2-chloroethyl)ether	3.172	63	348730	50.79	ug/ml#	85
9) 2-Chlorophenol	3.218	128	392362	50.82	ug/ml	92
10) 1,3-Dichlorobenzene	3.301	146	376883	49.93	ug/ml	99
11) 1,4-Dichlorobenzene	3.339	146	376255	49.88	ug/ml	98
12) 1,2-Dichlorobenzene	3.427	146	354866	49.84	ug/ml	99
13) 2- METHYLPHENOL	3.450	108	340233	51.16	ug/ml	95
14) Bis(2-Chloroisopropyl)...	3.465	45	663421	51.83	ug/ml	88
15) Acetophenone	3.545	105	492345	50.52	ug/ml#	52
16) 3/4- METHYLPHENOL	3.535	107	741669	99.97	ug/ml#	74
17) N-Nitroso-Di-N-Propyla...	3.540	70	268612	51.14	ug/ml#	82
18) Hexachloroethane	3.617	117	148799	49.38	ug/ml	89
21) NITROBENZENE	3.648	77	393083	50.30	ug/ml	96
22) Isophorone	3.782	82	694042	50.86	ug/ml	97
23) 2-Nitrophenol	3.831	139	205832	51.21	ug/ml	86
24) 2,4-Dimethylphenol	3.841	122	341171	50.58	ug/ml	94
25) Bis(2-Chloroethoxy)met...	3.895	93	443954	50.52	ug/ml	99
26) Benzoic Acid	3.893	122	251183	52.64	ug/ml	97
27) 2,4-Dichlorophenol	3.973	162	309281	50.11	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.024	180	300107	50.23	ug/ml	99
29) Naphthalene	4.076	128	975755	49.02	ug/ml	100
30) 4-Chloroaniline	4.096	127	366210	51.81	ug/ml	95
31) Hexachlorobutadiene	4.140	225	148800	48.95	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.382	107	349408	51.20	ug/ml	95
33) 2-MethylNaphthalene	4.488	142	585012	50.10	ug/ml	98
34) 1-Methylnaphthalene	4.549	142	633728	49.42	ug/ml	98
38) Hexachlorocyclopentadiene	4.583	237	160250	51.63	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	283830	50.13	ug/ml	99
40) 2,4,6-Trichlorophenol	4.658	196	205126	49.55	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094017.D
Acq On : 4 Apr 2022 3:21 pm
Operator : BGL
Sample : 8270std 50ppm 2111136 Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 05 11:33:41 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:33:24 2022
Response via : Initial Calibration

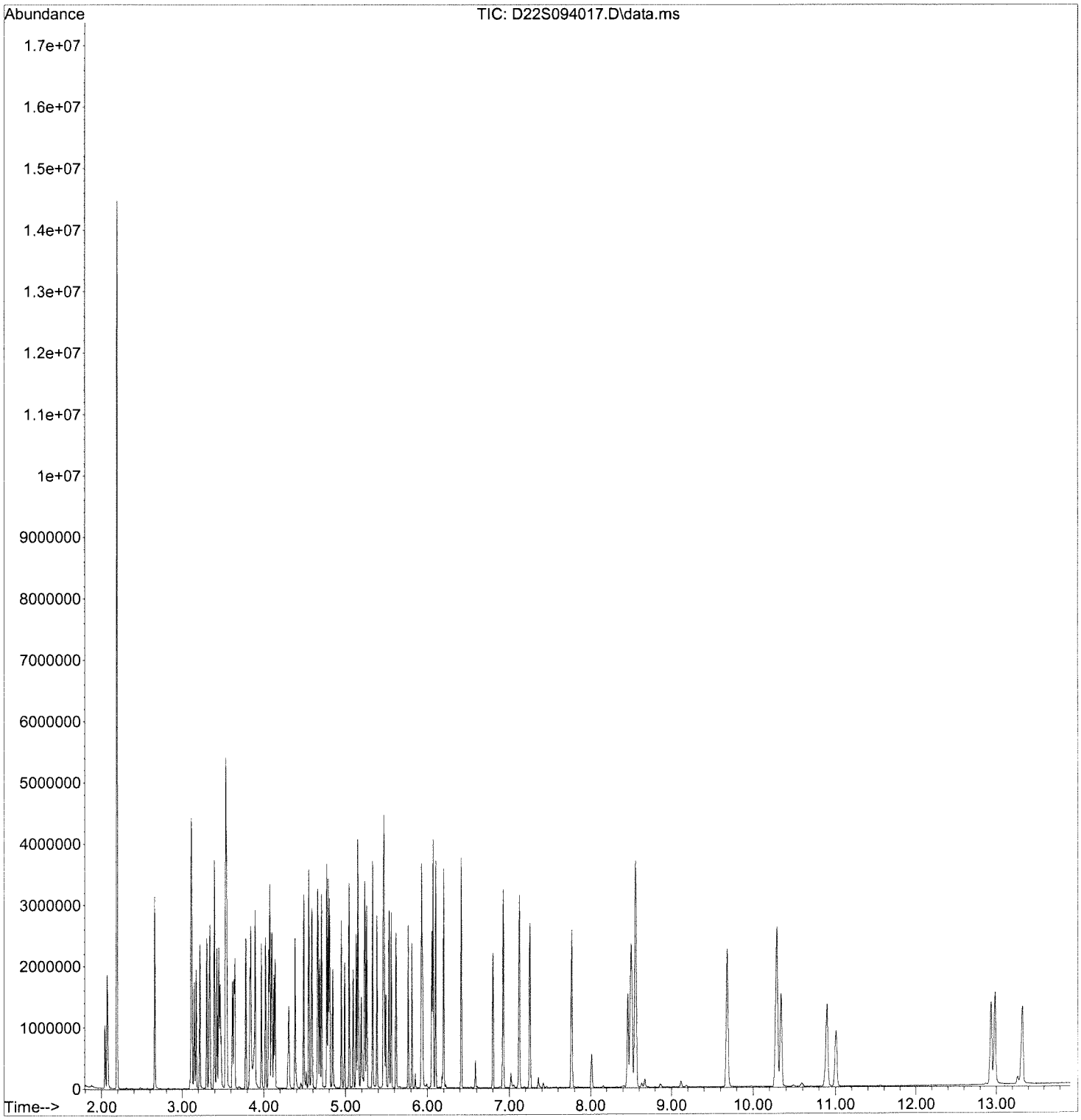
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.683	196	209519	50.40	ug/ml	99
42) 2-ChloroNaphthalene	4.789	162	684799	48.71	ug/ml	97
43) 2-Nitroaniline	4.843	65	225907	50.41	ug/ml#	85
44) 1,1-Biphenyl	4.771	154	713252	49.08	ug/ml	99
45) DIMETHYL PHTHALATE	4.949	163	735003	49.56	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	159270	51.44	ug/ml	82
47) Acenaphthylene	5.046	152	980287	49.75	ug/ml	100
48) 3-Nitroaniline	5.095	138	188860	53.09	ug/ml	95
49) Acenaphthene	5.152	154	610102	49.34	ug/ml	98
50) 2,4-Dinitrophenol	5.160	184	101929	51.82	ug/ml#	63
51) 4-Nitrophenol	5.193	109	113920	51.34	ug/ml#	85
52) Dibenzofuran	5.258	168	779923	49.09	ug/ml	98
53) 2,4-Dinitrotoluene	5.239	165	212206	51.25	ug/ml	84
54) DIETHYL PHTHALATE	5.384	149	738053	50.33	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.463	204	327364	50.11	ug/ml	95
56) Flourene	5.471	166	646421	48.98	ug/ml	99
57) 4-Nitroaniline	5.476	138	179564	49.91	ug/ml#	81
59) 4,6-Dinitro-2-Methylph...	5.494	198	121861	50.97	ug/ml#	76
60) N-Nitrosodiphenylamine	5.536	169	473495	42.61	ug/ml	98
61) 1,2-Diphenylhydrazine	5.561	77	763132	50.67	ug/ml	89
62) 4-Bromophenyl phenyl e...	5.767	248	181230	50.38	ug/ml	94
63) Hexachlorobenzene	5.814	284	189821	49.48	ug/ml	96
64) Pentachlorophenol	5.935	266	129828	51.30	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	34013	50.58	ug/ml	98
66) Phenanthrene	6.071	178	969459	48.92	ug/ml	99
67) Anthracene	6.105	178	983574	49.12	ug/ml	99
68) Carbazole	6.200	167	967637	50.12	ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	1348326	50.85	ug/ml	100
70) Flouranthene	6.923	202	1063001	49.99	ug/ml	98
73) Benzidine	7.019	184	81463	26.35	ug/ml	97
74) Pyrene	7.124	202	1116540	50.11	ug/ml	100
75) Butylbenzyl phthalate	7.765	149	640941	52.06	ug/ml	91
76) 3,3'-Dichlorobenzidine	8.461	252	366955	53.82	ug/ml	98
77) Benzo(a)anthracene	8.497	228	1013277	50.71	ug/ml	99
78) Chrysene	8.548	228	925953	50.31	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.558	149	818120	51.41	ug/ml	98
81) Di-n-octylphthalate	9.681	149	1529514	52.02	ug/ml	89
82) Benzo(b)fluoranthene	10.289	252	971540	51.25	ug/ml	97
83) Benzo(k)fluoranthene	10.340	252	844999	50.62	ug/ml	95
84) Benzo(a)pyrene	10.899	252	843169	51.30	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.935	276	744129	53.76	ug/ml	95
86) Dibenz(a,h)anthracene	12.987	278	770473	53.41	ug/ml	96
87) Benzo(g,h,i)perylene	13.324	276	757916	53.31	ug/ml	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094017.D
Acq On : 4 Apr 2022 3:21 pm
Operator : BGL
Sample : 8270std 50ppm 2111136 Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 05 11:33:41 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:33:24 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094018.D
Acq On : 4 Apr 2022 3:45 pm
Operator : BGL
Sample : 8270std 80ppm 2111137 Inst : GCMSSV4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 05 11:35:07 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:34:48 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	168687	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	666393	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	352301	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	633717	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.512	240	517781	40.00	ug/ml	0.00
80) PERYLENE-D12	11.010	264	504438	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.657	112	856718	163.45	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 81.72%			
3) Phenol-d6	3.113	99	1337211	157.87	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 78.94%			
20) Nitrobenzene-d5	3.638	82	550261	76.72	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.72%			
36) 2-Fluorobiphenyl	4.709	172	897816	77.37	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.37%			
37) 2,4,6-Tribromophenol	5.623	330	249740	161.92	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 80.96%			
72) Terphenyl-d14	7.253	244	1185693	79.49	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 79.49%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.042	42	373291	82.42	ug/ml	99
5) Pyridine	2.067	79	684241	82.83	ug/ml	99
6) Aniline	3.149	66	244805	69.98	ug/ml#	85
7) Phenol	3.120	94	778506	76.23	ug/ml	100
8) Bis(2-chloroethyl)ether	3.175	63	514488	76.08	ug/ml	95
9) 2-Chlorophenol	3.218	128	594927	78.24	ug/ml	98
10) 1,3-Dichlorobenzene	3.303	146	571875	76.92	ug/ml	100
11) 1,4-Dichlorobenzene	3.339	146	564027	75.92	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	531441	75.79	ug/ml	100
13) 2- METHYLPHENOL	3.450	108	505161	77.12	ug/ml	99
14) Bis(2-Chloroisopropyl)...	3.465	45	943581	74.86	ug/ml	97
15) Acetophenone	3.548	105	699451	72.88	ug/ml	98
16) 3/4- METHYLPHENOL	3.538	107	1059522	145.01	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	3.545	70	372343	71.97	ug/ml	97
18) Hexachloroethane	3.620	117	224711	75.72	ug/ml	98
21) NITROBENZENE	3.651	77	574970	74.90	ug/ml	99
22) Isophorone	3.785	82	1020019	76.09	ug/ml	99
23) 2-Nitrophenol	3.831	139	308955	78.25	ug/ml	99
24) 2,4-Dimethylphenol	3.844	122	536185	80.92	ug/ml	95
25) Bis(2-Chloroethoxy)met...	3.898	93	648334	75.10	ug/ml	100
26) Benzoic Acid	3.906	122	363605	77.57	ug/ml	94
27) 2,4-Dichlorophenol	3.975	162	474679	78.29	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.024	180	450750	76.80	ug/ml	100
29) Naphthalene	4.076	128	1451707	74.24	ug/ml	100
30) 4-Chloroaniline	4.099	127	514754	74.14	ug/ml	99
31) Hexachlorobutadiene	4.143	225	227537	76.20	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	524422	78.23	ug/ml	100
33) 2-MethylNaphthalene	4.490	142	869277	75.79	ug/ml	99
34) 1-Methylnaphthalene	4.552	142	946758	75.16	ug/ml	99
38) Hexachlorocyclopentadiene	4.586	237	250595	82.56	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	427731	77.26	ug/ml	100
40) 2,4,6-Trichlorophenol	4.658	196	312375	77.16	ug/ml	99

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094018.D
Acq On : 4 Apr 2022 3:45 pm
Operator : BGL
Sample : 8270std 80ppm 2111137 Inst : GCMSSV4
Misc :
ALS Vial : 18 Sample Multiplier: 1

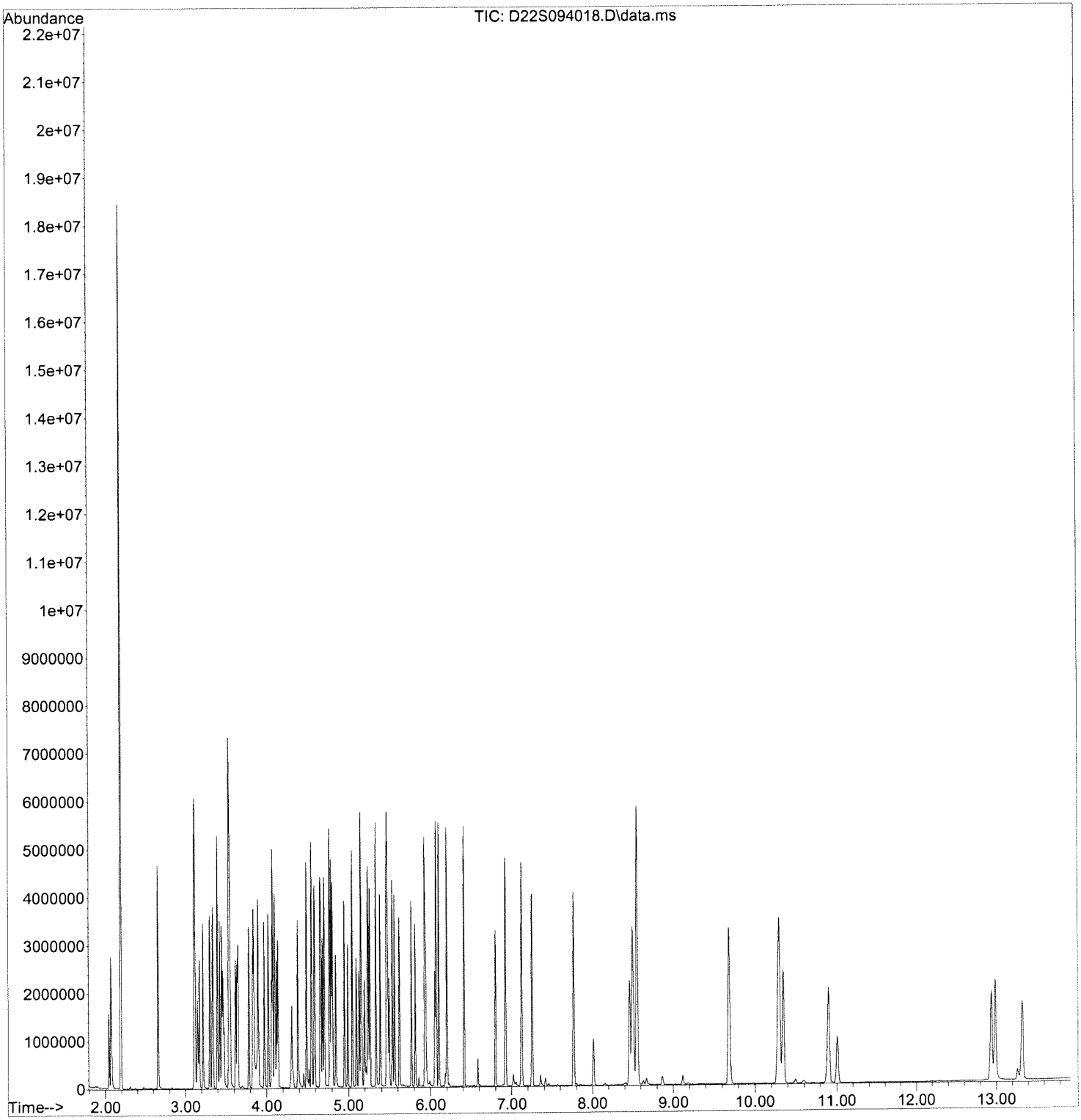
Quant Time: Apr 05 11:35:07 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:34:48 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.686	196	318849	78.43	ug/ml	99
42) 2-ChloroNaphthalene	4.792	162	1059419	77.06	ug/ml	100
43) 2-Nitroaniline	4.846	65	334455	76.32	ug/ml	98
44) 1,1-Biphenyl	4.773	154	1081586	76.10	ug/ml	99
45) DIMETHYL PHTHALATE	4.949	163	1101939	75.98	ug/ml	100
46) 2,6-DinitroToluene	4.992	165	240466	79.42	ug/ml	97
47) Acenaphthylene	5.046	152	1460049	75.76	ug/ml	100
48) 3-Nitroaniline	5.098	138	268519	77.19	ug/ml	99
49) Acenaphthene	5.155	154	917798	75.90	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	161892	84.16	ug/ml#	91
51) 4-Nitrophenol	5.196	109	173502	79.96	ug/ml	99
52) Dibenzofuran	5.260	168	1154217	74.29	ug/ml	100
53) 2,4-Dinitrotoluene	5.242	165	320536	79.15	ug/ml	97
54) DIETHYL PHTHALATE	5.384	149	1098486	76.61	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.464	204	494765	77.44	ug/ml	99
56) Flourene	5.471	166	954293	73.95	ug/ml	99
57) 4-Nitroaniline	5.479	138	270734	76.96	ug/ml	98
59) 4,6-Dinitro-2-Methylph...	5.497	198	193517	81.90	ug/ml	96
60) N-Nitrosodiphenylamine	5.536	169	709188	64.58	ug/ml	100
61) 1,2-Diphenylhydrazine	5.564	77	1091134	73.31	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.770	248	280448	78.89	ug/ml	98
63) Hexachlorobenzene	5.816	284	296263	78.14	ug/ml	98
64) Pentachlorophenol	5.935	266	209354	83.71	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	52595	79.14	ug/ml	99
66) Phenanthrene	6.074	178	1457530	74.42	ug/ml	100
67) Anthracene	6.105	178	1476901	74.63	ug/ml	100
68) Carbazole	6.202	167	1442606	75.61	ug/ml	99
69) Di-N-Butyl Phthalate	6.416	149	2014639	76.87	ug/ml	100
70) Flouranthene	6.926	202	1626383	77.38	ug/ml	99
73) Benzidine	7.021	184	91101	29.46	ug/ml	98
74) Pyrene	7.124	202	1703903	76.45	ug/ml	100
75) Butylbenzyl phthalate	7.768	149	981444	79.70	ug/ml	98
76) 3,3'-Dichlorobenzidine	8.463	252	551041	80.80	ug/ml	100
77) Benzo(a)anthracene	8.499	228	1572553	78.68	ug/ml	98
78) Chrysene	8.553	228	1401202	76.11	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.561	149	1215327	76.35	ug/ml	99
81) Di-n-octylphthalate	9.684	149	2393664	81.07	ug/ml	98
82) Benzo(b)fluoranthene	10.299	252	1520075	79.86	ug/ml	99
83) Benzo(k)fluoranthene	10.348	252	1315531	78.49	ug/ml	98
84) Benzo(a)pyrene	10.904	252	1319890	79.98	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.943	276	1078200	77.58	ug/ml	98
86) Dibenz(a,h)anthracene	12.990	278	1132075	78.15	ug/ml	99
87) Benzo(g,h,i)perylene	13.327	276	1023748	71.72	ug/ml	97

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

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094018.D
Acq On : 4 Apr 2022 3:45 pm
Operator : BGL
Sample : 8270std 80ppm 2111137 Inst : GCMSSV4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 05 11:35:07 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:34:48 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094019.D
Acq On : 4 Apr 2022 4:10 pm
Operator : BGL
Sample : 8270std 100ppm 2111138 Inst : GCMSSV4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 05 11:36:48 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:36:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	146652	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	571641	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	304849	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	546695	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	433624	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	424088	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	952733	209.08	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 104.54%			
3) Phenol-d6	3.116	99	1478949	200.83	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 100.42%			
20) Nitrobenzene-d5	3.638	82	611749	99.43	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 99.43%			
36) 2-Fluorobiphenyl	4.709	172	973529	96.95	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 96.95%			
37) 2,4,6-Tribromophenol	5.623	330	274130	205.40	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 102.70%			
72) Terphenyl-d14	7.253	244	1281752	102.61	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 102.61%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.044	42	438944	111.47	ug/ml	100
5) Pyridine	2.070	79	796265	110.87	ug/ml	100
6) Aniline	3.149	66	168999	55.57	ug/ml	93
7) Phenol	3.123	94	865781	97.51	ug/ml	99
8) Bis(2-chloroethyl)ether	3.175	63	583754	99.29	ug/ml#	73
9) 2-Chlorophenol	3.219	128	660320	99.88	ug/ml	99
10) 1,3-Dichlorobenzene	3.303	146	639709	98.98	ug/ml	99
11) 1,4-Dichlorobenzene	3.342	146	630714	97.65	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	587231	96.33	ug/ml	100
13) 2- METHYLPHENOL	3.450	108	557120	97.84	ug/ml	99
14) Bis(2-Chloroisopropyl)...	3.466	45	1056273	96.39	ug/ml	99
15) Acetophenone	3.551	105	759547	91.03	ug/ml	99
16) 3/4- METHYLPHENOL	3.540	107	1170348	184.24	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	3.546	70	412556	91.73	ug/ml	97
18) Hexachloroethane	3.620	117	251190	97.36	ug/ml	99
21) NITROBENZENE	3.651	77	643185	97.67	ug/ml	99
22) Isophorone	3.785	82	1147074	99.75	ug/ml	100
23) 2-Nitrophenol	3.831	139	343377	101.38	ug/ml	100
24) 2,4-Dimethylphenol	3.844	122	588460	103.52	ug/ml	96
25) Bis(2-Chloroethoxy)met...	3.898	93	721538	97.44	ug/ml	100
26) Benzoic Acid	3.911	122	414614	103.12	ug/ml	95
27) 2,4-Dichlorophenol	3.975	162	519061	99.80	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.024	180	493067	97.93	ug/ml	100
29) Naphthalene	4.076	128	1575925	93.95	ug/ml	99
30) 4-Chloroaniline	4.102	127	537870	90.31	ug/ml	100
31) Hexachlorobutadiene	4.143	225	246702	96.31	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	583904	101.54	ug/ml	100
33) 2-MethylNaphthalene	4.490	142	955100	97.07	ug/ml	100
34) 1-Methylnaphthalene	4.552	142	1034395	95.73	ug/ml	100
38) Hexachlorocyclopentadiene	4.586	237	272282	103.67	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.593	216	466322	97.34	ug/ml	100
40) 2,4,6-Trichlorophenol	4.658	196	347885	99.31	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094019.D
Acq On : 4 Apr 2022 4:10 pm
Operator : BGL
Sample : 8270std 100ppm 2111138 Inst : GCMSSV4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 05 11:36:48 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:36:16 2022
Response via : Initial Calibration

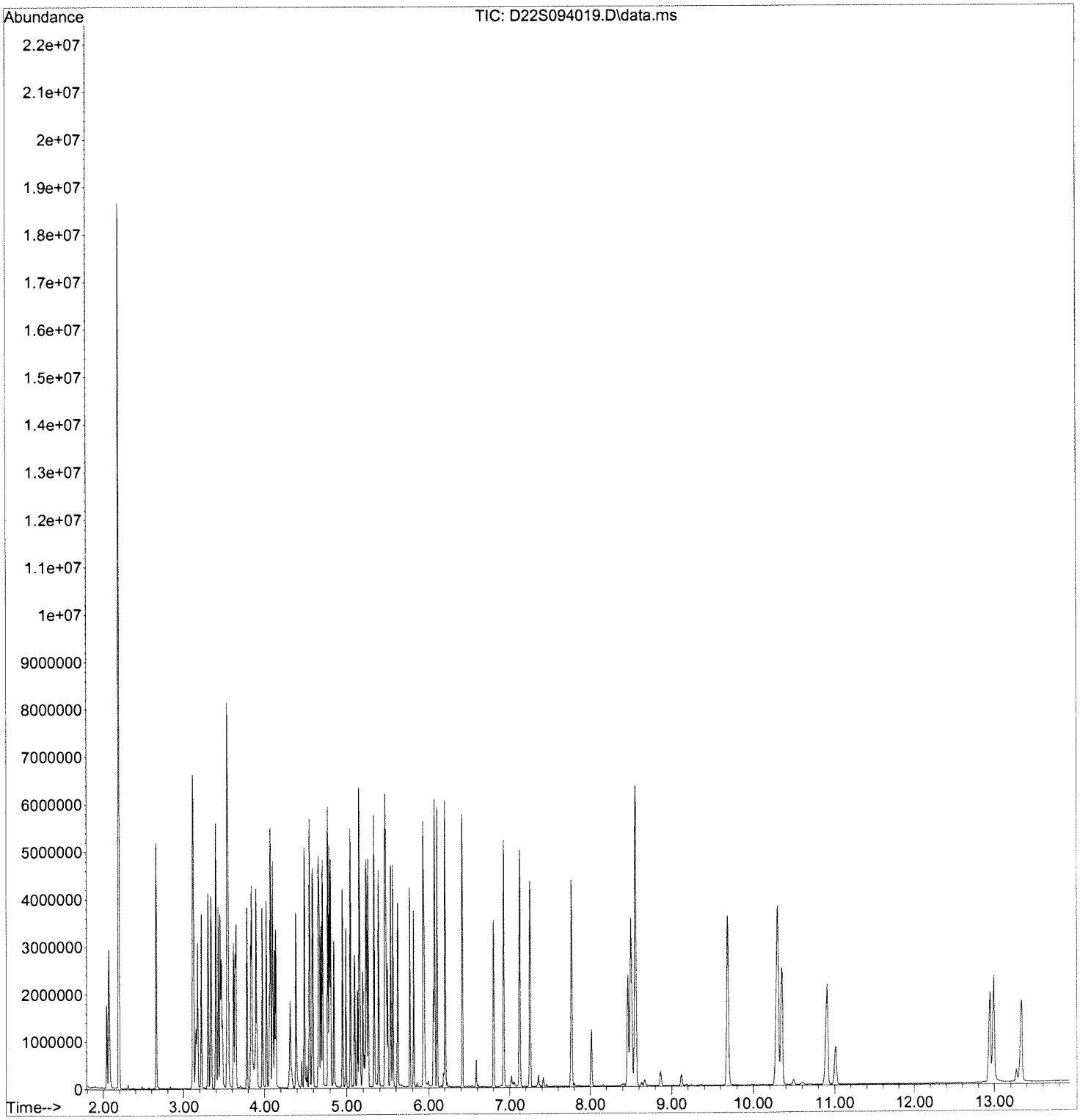
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.689	196	352758	100.16	ug/ml	99
42) 2-ChloroNaphthalene	4.792	162	1135904	95.49	ug/ml	100
43) 2-Nitroaniline	4.846	65	377051	99.43	ug/ml	99
44) 1,1-Biphenyl	4.774	154	1180521	95.99	ug/ml	99
45) DIMETHYL PHTHALATE	4.951	163	1213105	96.66	ug/ml	99
46) 2,6-DinitroToluene	4.993	165	268681	102.55	ug/ml	99
47) Acenaphthylene	5.047	152	1586798	95.16	ug/ml	99
48) 3-Nitroaniline	5.098	138	285853	94.96	ug/ml	98
49) Acenaphthene	5.155	154	1016030	97.10	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	183125	110.01	ug/ml#	87
51) 4-Nitrophenol	5.199	109	192839	102.70	ug/ml	98
52) Dibenzofuran	5.260	168	1255314	93.37	ug/ml	99
53) 2,4-Dinitrotoluene	5.242	165	349157	99.64	ug/ml	97
54) DIETHYL PHTHALATE	5.386	149	1218634	98.21	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.464	204	539050	97.51	ug/ml	99
56) Flourene	5.471	166	1041354	93.25	ug/ml	100
57) 4-Nitroaniline	5.482	138	300650	98.76	ug/ml	99
59) 4,6-Dinitro-2-Methylph...	5.497	198	212392	104.19	ug/ml	97
60) N-Nitrosodiphenylamine	5.538	169	779199	82.25	ug/ml	100
61) 1,2-Diphenylhydrazine	5.564	77	1222613	95.22	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.768	248	310865	101.36	ug/ml	98
63) Hexachlorobenzene	5.816	284	324008	99.06	ug/ml	99
64) Pentachlorophenol	5.935	266	230884	107.01	ug/ml	99
65) Pentachloronitrobenzene	5.945	295	56794	99.06	ug/ml	99
66) Phenanthrene	6.074	178	1595282	94.42	ug/ml	100
67) Anthracene	6.107	178	1606132	94.08	ug/ml	100
68) Carbazole	6.203	167	1561997	94.90	ug/ml	100
69) Di-N-Butyl Phthalate	6.416	149	2193532	97.02	ug/ml	100
70) Flouranthene	6.926	202	1749417	96.49	ug/ml	100
73) Benzidine	7.021	184	84007	32.44	ug/ml	99
74) Pyrene	7.127	202	1838459	98.49	ug/ml	100
75) Butylbenzyl phthalate	7.768	149	1059895	102.77	ug/ml	100
76) 3,3'-Dichlorobenzidine	8.463	252	569034	99.64	ug/ml	99
77) Benzo(a)anthracene	8.499	228	1701452	101.66	ug/ml	98
78) Chrysene	8.553	228	1499770	97.27	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.561	149	1316943	98.79	ug/ml	99
81) Di-n-octylphthalate	9.686	149	2607238	105.04	ug/ml	98
82) Benzo(b)fluoranthene	10.304	252	1636155	102.24	ug/ml	99
83) Benzo(k)fluoranthene	10.353	252	1398038	99.21	ug/ml	99
84) Benzo(a)pyrene	10.912	252	1412252	101.79	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.946	276	1131722	96.86	ug/ml	99
86) Dibenz(a,h)anthracene	12.995	278	1186450	97.36	ug/ml	98
87) Benzo(g,h,i)perylene	13.332	276	1057523	88.12	ug/ml	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094019.D
Acq On : 4 Apr 2022 4:10 pm
Operator : BGL
Sample : 8270std 100ppm 2111138 Inst : GCMSSV4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Apr 05 11:36:48 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:36:16 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094020.D
Acq On : 4 Apr 2022 4:34 pm
Operator : BGL
Sample : 8270std 120ppm 2111139 Inst : GCMSSV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 11:37:53 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:37:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	139031	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	543266	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	290557	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	525631	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.517	240	418144	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	413477	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	1026002	237.50	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 118.75%			
3) Phenol-d6	3.115	99	1593798	228.29	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 114.14%			
20) Nitrobenzene-d5	3.641	82	659184	112.74	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 112.74%			
36) 2-Fluorobiphenyl	4.709	172	1021889	106.77	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 106.77%			
37) 2,4,6-Tribromophenol	5.623	330	290906	228.69	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 114.35%			
72) Terphenyl-d14	7.253	244	1368371	113.60	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 113.60%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.044	42	482185	129.17	ug/ml	99
5) Pyridine	2.067	79	846588	124.34	ug/ml	99
6) Aniline	3.151	66	172048	59.67	ug/ml	94
7) Phenol	3.123	94	929061	110.37	ug/ml	98
8) Bis(2-chloroethyl)ether	3.175	63	628854	112.83	ug/ml#	71
9) 2-Chlorophenol	3.221	128	714093	113.94	ug/ml	99
10) 1,3-Dichlorobenzene	3.303	146	676330	110.38	ug/ml	99
11) 1,4-Dichlorobenzene	3.342	146	672805	109.88	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	629516	108.93	ug/ml	100
13) 2- METHYLPHENOL	3.453	108	594557	110.13	ug/ml	99
14) Bis(2-Chloroisopropyl)...	3.466	45	1150237	110.71	ug/ml	88
15) Acetophenone	3.551	105	798641	100.96	ug/ml	100
16) 3/4- METHYLPHENOL	3.540	107	1224399	203.31	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	3.548	70	438449	102.83	ug/ml	98
18) Hexachloroethane	3.620	117	271412	110.97	ug/ml	100
21) NITROBENZENE	3.651	77	691601	110.51	ug/ml	99
22) Isophorone	3.785	82	1233486	112.86	ug/ml	100
23) 2-Nitrophenol	3.834	139	372901	115.85	ug/ml	99
24) 2,4-Dimethylphenol	3.844	122	616860	114.19	ug/ml	98
25) Bis(2-Chloroethoxy)met...	3.898	93	773054	109.85	ug/ml	100
26) Benzoic Acid	3.916	122	456176	119.38	ug/ml	93
27) 2,4-Dichlorophenol	3.975	162	552386	111.76	ug/ml	100
28) 1,2,4-Trichlorobenzene	4.024	180	524984	109.72	ug/ml	100
29) Naphthalene	4.076	128	1691171	106.08	ug/ml	100
30) 4-Chloroaniline	4.102	127	541942	95.74	ug/ml	99
31) Hexachlorobutadiene	4.143	225	260697	107.09	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.387	107	629117	115.12	ug/ml	99
33) 2-MethylNaphthalene	4.490	142	1009825	108.00	ug/ml	99
34) 1-Methylnaphthalene	4.552	142	1092496	106.39	ug/ml	100
38) Hexachlorocyclopentadiene	4.586	237	289399	115.60	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.593	216	492744	107.91	ug/ml	100
40) 2,4,6-Trichlorophenol	4.660	196	371781	111.35	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094020.D
Acq On : 4 Apr 2022 4:34 pm
Operator : BGL
Sample : 8270std 120ppm 2111139 Inst : GCMSSV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 11:37:53 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:37:41 2022
Response via : Initial Calibration

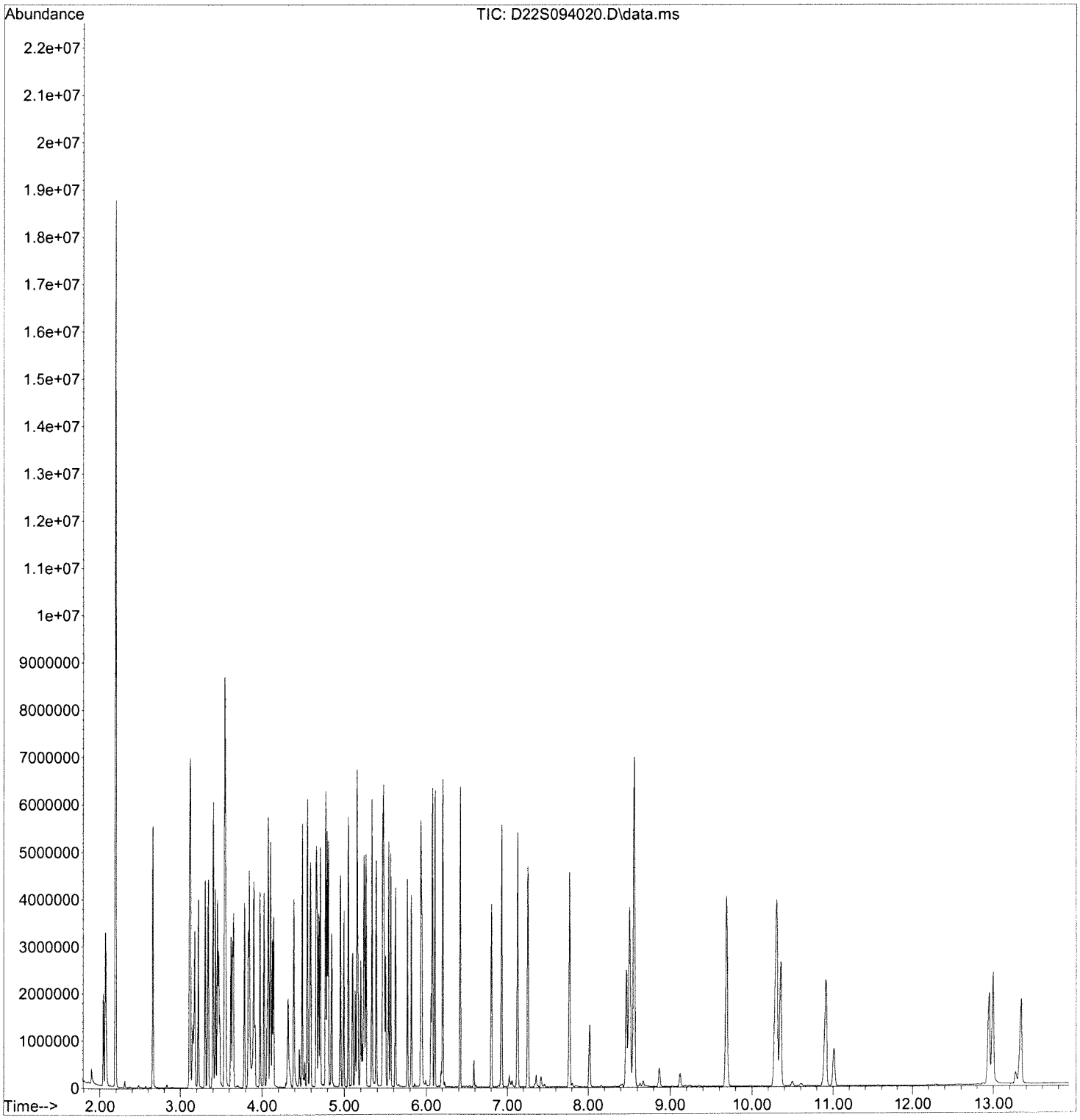
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.689	196	373476	111.16	ug/ml	99
42) 2-ChloroNaphthalene	4.792	162	1181763	104.23	ug/ml	100
43) 2-Nitroaniline	4.846	65	411058	113.73	ug/ml	98
44) 1,1-Biphenyl	4.774	154	1246812	106.37	ug/ml	99
45) DIMETHYL PHTHALATE	4.951	163	1289119	107.77	ug/ml	100
46) 2,6-DinitroToluene	4.992	165	285737	114.43	ug/ml	99
47) Acenaphthylene	5.046	152	1687765	106.19	ug/ml	100
48) 3-Nitroaniline	5.101	138	300491	104.73	ug/ml	97
49) Acenaphthene	5.155	154	1077802	108.07	ug/ml	99
50) 2,4-Dinitrophenol	5.165	184	200968	126.67	ug/ml#	83
51) 4-Nitrophenol	5.198	109	214492	119.86	ug/ml	98
52) Dibenzofuran	5.260	168	1330637	103.84	ug/ml	99
53) 2,4-Dinitrotoluene	5.242	165	376986	112.88	ug/ml	98
54) DIETHYL PHTHALATE	5.386	149	1295833	109.57	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.464	204	563695	106.98	ug/ml	100
56) Flourene	5.474	166	1107846	104.09	ug/ml	100
57) 4-Nitroaniline	5.484	138	321545	110.82	ug/ml	98
59) 4,6-Dinitro-2-Methylph...	5.500	198	230285	117.50	ug/ml	95
60) N-Nitrosodiphenylamine	5.538	169	830512	91.18	ug/ml	100
61) 1,2-Diphenylhydrazine	5.564	77	1311892	106.27	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.770	248	326775	110.82	ug/ml	98
63) Hexachlorobenzene	5.816	284	342448	108.90	ug/ml	99
64) Pentachlorophenol	5.937	266	248105	119.60	ug/ml	99
65) Pentachloronitrobenzene	5.945	295	61679	111.90	ug/ml	99
66) Phenanthrene	6.074	178	1711535	105.36	ug/ml	100
67) Anthracene	6.107	178	1718311	104.69	ug/ml	100
68) Carbazole	6.203	167	1667708	105.38	ug/ml	100
69) Di-N-Butyl Phthalate	6.416	149	2344798	107.87	ug/ml	100
70) Flouranthene	6.926	202	1875144	107.57	ug/ml	100
73) Benzidine	7.021	184	85836	34.37	ug/ml	99
74) Pyrene	7.127	202	1971049	109.51	ug/ml	100
75) Butylbenzyl phthalate	7.771	149	1158589	116.50	ug/ml	100
76) 3,3'-Dichlorobenzidine	8.466	252	598781	108.73	ug/ml	99
77) Benzo(a)anthracene	8.502	228	1840619	114.04	ug/ml	98
78) Chrysene	8.556	228	1597970	107.48	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.561	149	1408894	109.60	ug/ml	100
81) Di-n-octylphthalate	9.686	149	2842484	117.45	ug/ml	98
82) Benzo(b)fluoranthene	10.307	252	1781617	114.19	ug/ml	99
83) Benzo(k)fluoranthene	10.356	252	1529079	111.30	ug/ml	99
84) Benzo(a)pyrene	10.912	252	1553375	114.83	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	12.948	276	1192842	104.71	ug/ml	99
86) Dibenz(a,h)anthracene	12.995	278	1247573	105.00	ug/ml	98
87) Benzo(g,h,i)perylene	13.337	276	1112941	95.12	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094020.D
Acq On : 4 Apr 2022 4:34 pm
Operator : BGL
Sample : 8270std 120ppm 2111139 Inst : GCMSSV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 05 11:37:53 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:37:41 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094021.D
Acq On : 4 Apr 2022 4:59 pm
Operator : BGL
Sample : 8270std 160ppm 2110474 Inst : GCMSSV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 05 11:38:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:38:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	161231	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.063	136	625066	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	338681	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	605784	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.520	240	464368	40.00	ug/ml	0.01
80) PERYLENE-D12	11.017	264	465371	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	1469050	293.24	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 146.62%#		
3) Phenol-d6	3.118	99	2232887	275.80	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 137.90%#		
20) Nitrobenzene-d5	3.641	82	937293	139.32	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 139.32%#		
36) 2-Fluorobiphenyl	4.712	172	1492664	133.80	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 133.80%#		
37) 2,4,6-Tribromophenol	5.626	330	444321	299.67	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery	= 149.84%#		
72) Terphenyl-d14	7.256	244	1971982	147.41	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery	= 147.41%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.047	42	718507	165.97	ug/ml	99
5) Pyridine	2.070	79	1273972	161.34	ug/ml	99
6) Aniline	3.152	66	269169	80.50	ug/ml	92
7) Phenol	3.126	94	1273208	130.43	ug/ml	99
8) Bis(2-chloroethyl)ether	3.177	63	869630	134.54	ug/ml#	73
9) 2-Chlorophenol	3.221	128	1015295	139.69	ug/ml	98
10) 1,3-Dichlorobenzene	3.303	146	993792	139.86	ug/ml	99
11) 1,4-Dichlorobenzene	3.342	146	974935	137.30	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	910341	135.83	ug/ml	99
13) 2- METHYLPHENOL	3.453	108	877976	140.24	ug/ml	92
14) Bis(2-Chloroisopropyl)...	3.468	45	1542951	128.06	ug/ml	97
15) Acetophenone	3.553	105	1068261	116.45	ug/ml	98
16) 3/4- METHYLPHENOL	3.543	107	1636525	234.33	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	3.551	70	370541	74.94	ug/ml#	35
18) Hexachloroethane	3.620	117	395445	139.42	ug/ml	97
21) NITROBENZENE	3.654	77	966272	134.20	ug/ml	99
22) Isophorone	3.790	82	1770943	140.83	ug/ml	99
23) 2-Nitrophenol	3.834	139	536277	144.80	ug/ml	98
24) 2,4-Dimethylphenol	3.847	122	896241	144.19	ug/ml	98
25) Bis(2-Chloroethoxy)met...	3.901	93	1100604	135.92	ug/ml	97
26) Benzoic Acid	3.927	122	684936	155.79	ug/ml	96
27) 2,4-Dichlorophenol	3.978	162	800166	140.70	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.027	180	769764	139.82	ug/ml	99
29) Naphthalene	4.078	128	2364637	128.92	ug/ml	99
30) 4-Chloroaniline	4.104	127	750193	115.19	ug/ml	100
31) Hexachlorobutadiene	4.143	225	383164	136.80	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.390	107	907298	144.29	ug/ml	100
33) 2-MethylNaphthalene	4.490	142	1450707	134.84	ug/ml	100
34) 1-Methylnaphthalene	4.552	142	1568800	132.78	ug/ml	99
38) Hexachlorocyclopentadiene	4.586	237	431918	148.02	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.593	216	719492	135.18	ug/ml	99
40) 2,4,6-Trichlorophenol	4.660	196	544383	139.88	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094021.D
Acq On : 4 Apr 2022 4:59 pm
Operator : BGL
Sample : 8270std 160ppm 2110474 Inst : GCMSSV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 05 11:38:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:38:36 2022
Response via : Initial Calibration

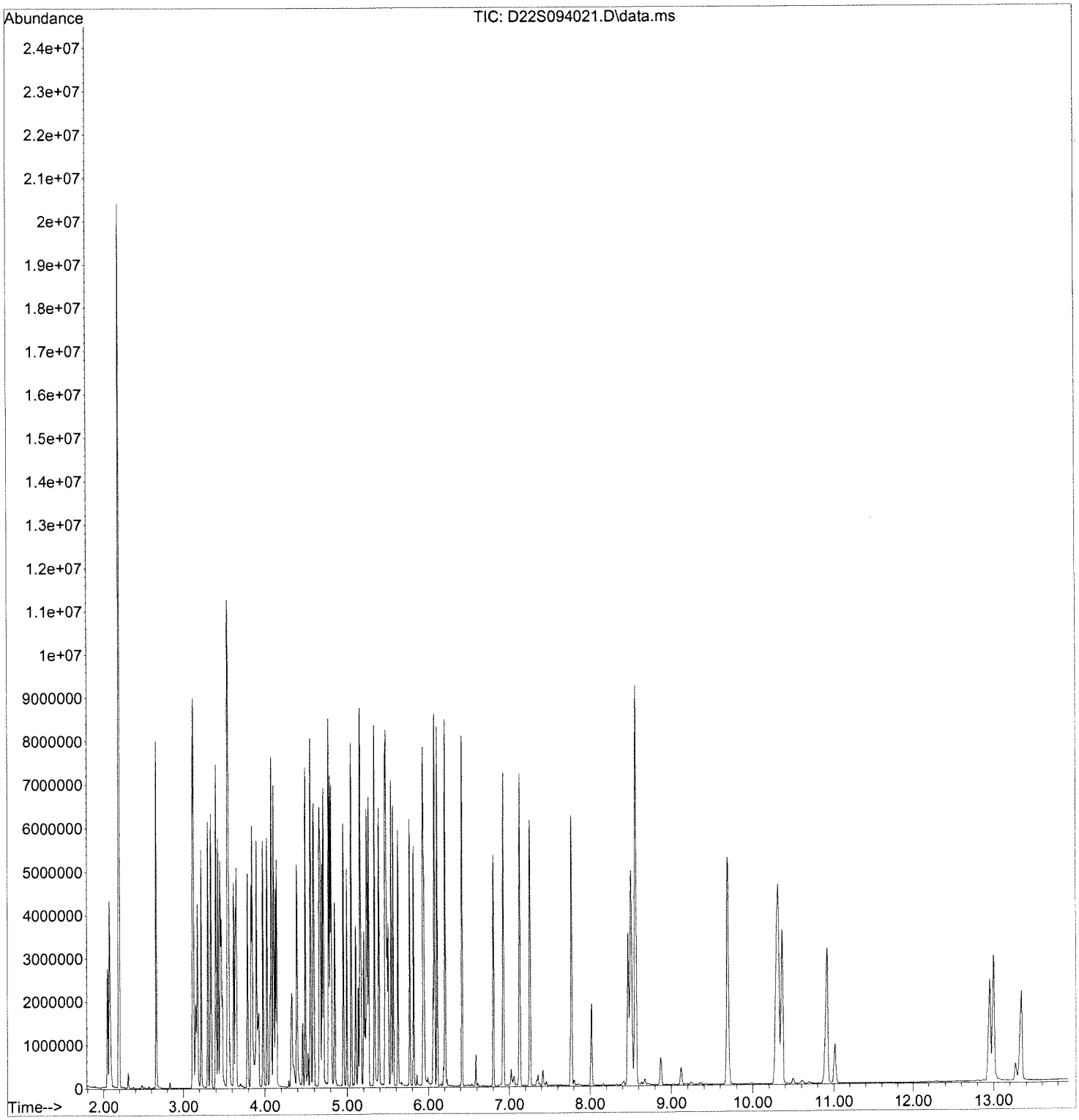
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41)	2,4,5-Trichlorophenol	4.694	196	543583	138.62	ug/ml	98
42)	2-ChloroNaphthalene	4.794	162	1731913	131.05	ug/ml	97
43)	2-Nitroaniline	4.848	65	574174	136.29	ug/ml	99
44)	1,1-Biphenyl	4.776	154	1791880	131.15	ug/ml	99
45)	DIMETHYL PHTHALATE	4.954	163	1894929	135.91	ug/ml	100
46)	2,6-DinitroToluene	4.995	165	419811	144.23	ug/ml	98
47)	Acenaphthylene	5.049	152	2399322	129.51	ug/ml	99
48)	3-Nitroaniline	5.103	138	423352	126.59	ug/ml	100
49)	Acenaphthene	5.157	154	1559324	134.14	ug/ml	98
50)	2,4-Dinitrophenol	5.168	184	298304	161.31	ug/ml#	78
51)	4-Nitrophenol	5.204	109	303143	145.32	ug/ml	99
52)	Dibenzofuran	5.263	168	1889534	126.50	ug/ml	99
53)	2,4-Dinitrotoluene	5.247	165	544123	139.77	ug/ml	98
54)	DIETHYL PHTHALATE	5.389	149	1869680	135.63	ug/ml	99
55)	4-Chlorophenyl phenyl ...	5.466	204	829948	135.13	ug/ml	98
56)	Flourene	5.474	166	1576791	127.10	ug/ml	100
57)	4-Nitroaniline	5.489	138	462027	136.61	ug/ml	96
59)	4,6-Dinitro-2-Methylph...	5.505	198	336732	149.08	ug/ml	96
60)	N-Nitrosodiphenylamine	5.541	169	1211585	115.42	ug/ml	99
61)	1,2-Diphenylhydrazine	5.567	77	1805872	126.93	ug/ml	99
62)	4-Bromophenyl phenyl e...	5.770	248	494269	145.44	ug/ml	97
63)	Hexachlorobenzene	5.819	284	514617	141.99	ug/ml	97
64)	Pentachlorophenol	5.937	266	367935	153.89	ug/ml	100
65)	Pentachloronitrobenzene	5.948	295	88907	139.95	ug/ml	99
66)	Phenanthrene	6.076	178	2412334	128.85	ug/ml	100
67)	Anthracene	6.107	178	2413885	127.61	ug/ml	99
68)	Carbazole	6.205	167	2340309	128.31	ug/ml	100
69)	Di-N-Butyl Phthalate	6.416	149	3270975	130.57	ug/ml	99
70)	Flouranthene	6.929	202	2690073	133.90	ug/ml	99
73)	Benzidine	7.024	184	131751	47.51	ug/ml	99
74)	Pyrene	7.130	202	2822456	141.20	ug/ml	100
75)	Butylbenzyl phthalate	7.771	149	1638618	148.36	ug/ml	98
76)	3,3'-Dichlorobenzidine	8.471	252	850363	139.04	ug/ml	100
77)	Benzo(a)anthracene	8.504	228	2617537	146.03	ug/ml	98
78)	Chrysene	8.561	228	2210610	133.89	ug/ml	99
79)	Bis(2-ethylhexyl)phtha...	8.564	149	1910813	133.85	ug/ml	99
81)	Di-n-octylphthalate	9.691	149	4008688	147.17	ug/ml	96
82)	Benzo(b)fluoranthene	10.322	252	2600925	148.11	ug/ml	99
83)	Benzo(k)fluoranthene	10.366	252	2135725	138.12	ug/ml	98
84)	Benzo(a)pyrene	10.922	252	2238077	147.00	ug/ml	99
85)	Indeno(1,2,3-cd)pyrene	12.954	276	1547432	120.69	ug/ml	99
86)	Dibenz(a,h)anthracene	13.003	278	1683959	125.90	ug/ml	97
87)	Benzo(g,h,i)perylene	13.340	276	1373586	104.30	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094021.D
Acq On : 4 Apr 2022 4:59 pm
Operator : BGL
Sample : 8270std 160ppm 2110474 Inst : GCMSSV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Apr 05 11:38:50 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:38:36 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094022.D
Acq On : 4 Apr 2022 5:23 pm
Operator : BGL
Sample : ICV 50 ppm 2201325 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 05 12:16:16 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	178272	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.060	136	724847	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	366996	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	609528	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.510	240	484342	40.00	ug/ml	0.00
80) PERYLENE-D12	11.007	264	515598	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	163	0.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.01%#		
3) Phenol-d6	3.182	99	2857	0.32	ug/ml	0.07
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.16%#		
20) Nitrobenzene-d5	3.780	82	731752	93.80	ug/ml	0.14
Spiked Amount 100.000	Range 30 - 130		Recovery =	93.80%		
36) 2-Fluorobiphenyl	4.833	172	3701	0.31	ug/ml	0.13
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.31%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) Terphenyl-d14	7.248	244	359	0.03	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.03%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.047	42	218631	45.68	ug/ml	99
5) Pyridine	2.073	79	308088	35.29	ug/ml	99
6) Aniline	3.149	66	192806	52.15	ug/ml	98
7) Phenol	3.115	94	532191	49.31	ug/ml	92
8) Bis(2-chloroethyl)ether	3.169	63	359497	50.30	ug/ml	97
9) 2-Chlorophenol	3.216	128	389084	48.42	ug/ml	99
10) 1,3-Dichlorobenzene	3.301	146	348062	44.30	ug/ml	99
11) 1,4-Dichlorobenzene	3.339	146	354119	45.10	ug/ml	100
12) 1,2-Dichlorobenzene	3.424	146	344504	46.49	ug/ml	100
13) 2- METHYLPHENOL	3.448	108	351738	50.81	ug/ml	96
14) Bis(2-Chloroisopropyl)...	3.463	45	739109	55.48	ug/ml	96
15) Acetophenone	3.545	105	494559	48.76	ug/ml#	82
16) 3/4- METHYLPHENOL	3.530	107	383848	49.71	ug/ml#	72
17) N-Nitroso-Di-N-Propyla...	3.538	70	263214	48.14	ug/ml	89
18) Hexachloroethane	3.617	117	143332	45.70	ug/ml	99
21) NITROBENZENE	3.646	77	397362	47.59	ug/ml	99
22) Isophorone	3.780	82	731752	50.18	ug/ml	100
23) 2-Nitrophenol	3.829	139	186641	43.46	ug/ml	98
24) 2,4-Dimethylphenol	3.841	122	305464	42.38	ug/ml	95
25) Bis(2-Chloroethoxy)met...	3.896	93	422017	44.94	ug/ml	100
26) Benzoic Acid	3.890	122	253496	49.72	ug/ml	94
27) 2,4-Dichlorophenol	3.973	162	278512	42.23	ug/ml	100
28) 1,2,4-Trichlorobenzene	4.024	180	288844	45.24	ug/ml	100
29) Naphthalene	4.073	128	947808	44.56	ug/ml	100
30) 4-Chloroaniline	4.096	127	242169	32.07	ug/ml	98
31) Hexachlorobutadiene	4.140	225	144217	44.40	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.382	107	308392	42.29	ug/ml	98
33) 2-MethylNaphthalene	4.488	142	582532	46.69	ug/ml	99
34) 1-Methylnaphthalene	4.550	142	555037	40.51	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	152355	48.18	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	253238	43.91	ug/ml	100
40) 2,4,6-Trichlorophenol	4.658	196	183718	43.56	ug/ml	98

SV
70-130
64% v34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094022.D
Acq On : 4 Apr 2022 5:23 pm
Operator : BGL
Sample : ICV 50 ppm 2201325 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 05 12:16:16 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.683	196	193708	45.59	ug/ml	99
42) 2-ChloroNaphthalene	4.789	162	584671	40.83	ug/ml	100
43) 2-Nitroaniline	4.843	65	251580	55.11	ug/ml	84
44) 1,1-Biphenyl	4.771	154	690981	46.67	ug/ml	99
45) DIMETHYL PHTHALATE	4.949	163	597406	39.54	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	141793	44.96	ug/ml	99
47) Acenaphthylene	5.046	152	880349	43.85	ug/ml	100
48) 3-Nitroaniline	5.095	138	139506	38.50	ug/ml	98
49) Acenaphthene	5.152	154	525251	41.70	ug/ml	99
50) 2,4-Dinitrophenol	5.160	184	80919	40.38	ug/ml#	85
51) 4-Nitrophenol	5.193	109	92012	40.71	ug/ml	96
52) Dibenzofuran	5.258	168	737029	45.54	ug/ml	99
53) 2,4-Dinitrotoluene	5.240	165	182329	43.22	ug/ml	98
54) DIETHYL PHTHALATE	5.384	149	609373	40.79	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.461	204	270927	40.71	ug/ml	99
56) Flourene	5.471	166	568144	42.26	ug/ml	100
57) 4-Nitroaniline	5.476	138	166559	45.45	ug/ml	99
59) 4,6-Dinitro-2-Methylph...	5.494	198	99326	43.70	ug/ml	97
60) N-Nitrosodiphenylamine	5.533	169	476183	45.08	ug/ml	100
61) 1,2-Diphenylhydrazine	5.561	77	711193	49.68	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.767	248	139090	40.68	ug/ml	98
63) Hexachlorobenzene	5.814	284	162201	44.48	ug/ml	96
64) Pentachlorophenol	5.935	266	105657	43.92	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	28317	44.30	ug/ml	95
66) Phenanthrene	6.071	178	824363	43.76	ug/ml	100
67) Anthracene	6.105	178	845183	44.40	ug/ml	100
68) Carbazole	6.200	167	825622	44.99	ug/ml	100
69) Di-N-Butyl Phthalate	6.414	149	1067183	42.34	ug/ml	100
70) Flouranthene	6.923	202	880751	43.57	ug/ml	99
73) Benzidine	7.021	184	284306	98.29	ug/ml	99
74) Pyrene	7.124	202	909721	43.63	ug/ml	99
75) Butylbenzyl phthalate	7.765	149	492189	42.73	ug/ml	99
76) 3,3'-Dichlorobenzidine	8.458	252	225599	35.37	ug/ml	98
77) Benzo(a)anthracene	8.497	228	819160	43.82	ug/ml	100
78) Chrysene	8.546	228	740366	42.99	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.556	149	661423	44.42	ug/ml	100
81) Di-n-octylphthalate	9.681	149	1263510	41.87	ug/ml	98
82) Benzo(b)fluoranthene	10.289	252	838566	43.10	ug/ml	99
83) Benzo(k)fluoranthene	10.340	252	777482	45.38	ug/ml	100
84) Benzo(a)pyrene	10.896	252	793272	47.03	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.936	276	597940	42.09	ug/ml	99
86) Dibenz(a,h)anthracene	12.984	278	643542	43.43	ug/ml	99
87) Benzo(g,h,i)perylene	13.324	276	617013	42.29	ug/ml	98

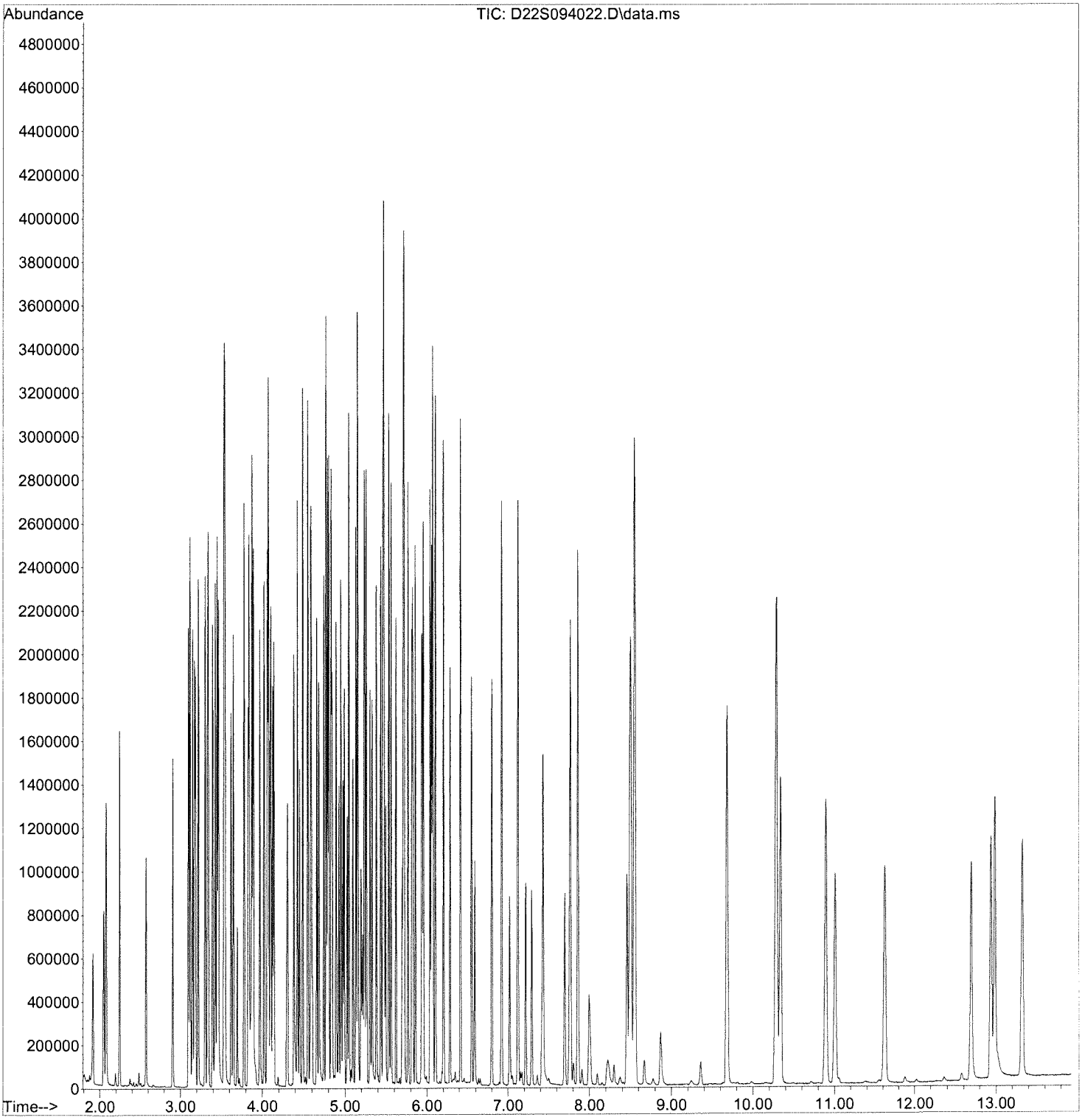
196% V35

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094022.D
Acq On : 4 Apr 2022 5:23 pm
Operator : BGL
Sample : ICV 50 ppm 2201325 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 05 12:16:16 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV3	Calibration:	2200130
Lab File ID:	C2205412.D	Calibration Date:	02/23/22 06:57
Sequence:	S069429	Injection Date:	02/23/22
Lab Sample ID:	S069429-ICV1	Injection Time:	11:52

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acenaphthene	A	50.0	46.2	1.351503	1.249892		-7.5	30	
Acenaphthylene	A	50.0	49.0	2.020202	1.98014		-2.0	30	
Acetophenone	A	50.0	45.3	2.22044	2.013617		-9.3	30	
Aniline	A	50.0	43.0	0.574355	0.4942563		-13.9	30	
Anthracene	A	50.0	48.4	1.233109	1.193587		-3.2	30	
Benzidine	A	50.0	84.0	0.2229056	0.3744338		68.0	30	*
Benzo(a)anthracene	A	50.0	48.6	1.438342	1.398121		-2.8	30	
Benzo(a)pyrene	A	50.0	51.4	1.272666	1.308462		2.8	30	
Benzo(b)fluoranthene	A	50.0	48.8	1.480075	1.444595		-2.4	30	
Benzo(g,h,i)perylene	A	50.0	51.2	1.116736	1.14384		2.4	30	
Benzo(k)fluoranthene	A	50.0	51.4	1.305381	1.341597		2.8	30	
Benzoic Acid	A	50.0	47.8	0.2289491	0.2190076		-4.3	30	
Bis(2-chloroethoxy)methane	A	50.0	46.4	0.44794	0.4152104		-7.3	30	
Bis(2-chloroethyl)ether	A	50.0	45.1	0.9970558	0.8988792		-9.8	30	
Bis(2-chloroisopropyl)ether	A	50.0	51.4	1.446666	1.486769		2.8	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	45.6	0.9229062	0.8418658		-8.8	30	
4-Bromophenylphenylether	A	50.0	46.5	0.2411466	0.2242022		-7.0	30	
Butylbenzylphthalate	A	50.0	46.2	0.6800669	0.6280564		-7.6	30	
Carbazole	A	50.0	45.8	1.156976	1.060267		-8.4	30	
4-Chloroaniline	A	50.0	32.4	0.3940684	0.2553976		-35.2	30	*
4-Chloro-3-methylphenol	A	50.0	44.0	0.3569403	0.3141261		-12.0	30	
2-Chloronaphthalene	A	50.0	44.7	1.501944	1.342992		-10.6	30	
2-Chlorophenol	A	50.0	46.0	1.703636	1.56615		-8.1	30	
4-Chlorophenylphenylether	A	50.0	44.8	0.7720992	0.6921971		-10.3	30	
Chrysene	A	50.0	47.3	1.369403	1.296136		-5.4	30	
Dibenz(a,h)anthracene	A	50.0	51.5	1.111866	1.144549		2.9	30	
Dibenzofuran	A	50.0	50.9	1.740511	1.773065		1.9	30	
Di-n-butylphthalate	A	50.0	43.7	1.401948	1.224118		-12.7	30	
1,2-Dichlorobenzene	A	50.0	48.4	1.644297	1.59046		-3.3	30	
1,3-Dichlorobenzene	A	50.0	47.9	1.699693	1.627108		-4.3	30	

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV3	Calibration:	2200130
Lab File ID:	C2205412.D	Calibration Date:	02/23/22 06:57
Sequence:	S069429	Injection Date:	02/23/22
Lab Sample ID:	S069429-ICV1	Injection Time:	11:52

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	48.0	1.744354	1.676149		-3.9	30	
3,3-Dichlorobenzidine	A	50.0	33.4	0.4455619	0.2978815		-33.1	30	*
2,4-Dichlorophenol	A	50.0	45.0	0.3616498	0.3254944		-10.0	30	
Diethylphthalate	A	50.0	44.1	1.439593	1.270502		-11.7	30	
2,4-Dimethylphenol	A	50.0	46.1	0.3873531	0.3572783		-7.8	30	
Dimethylphthalate	A	50.0	43.7	1.511202	1.321744		-12.5	30	
4,6-Dinitro-2-methylphenol	A	50.0	44.6	0.14765	0.1316509		-10.8	30	
2,4-Dinitrophenol	L	50.0	40.0	0.1822235	0.1556555		-20.0	30	
2,4-Dinitrotoluene	A	50.0	46.7	0.4467597	0.4176657		-6.5	30	
2,6-Dinitrotoluene	A	50.0	48.9	0.329733	0.3225801		-2.2	30	
Di-n-octylphthalate	A	50.0	43.0	1.659775	1.425952		-14.1	30	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	50.8	0.7128651	0.7245856		1.6	30	
Fluoranthene	A	50.0	46.5	1.334024	1.240948		-7.0	30	
Fluorene	A	50.0	47.8	1.513961	1.448638		-4.3	30	
Hexachlorobenzene	A	50.0	49.7	0.2251658	0.2239234		-0.6	30	
Hexachlorobutadiene	A	50.0	49.0	0.1926016	0.1889133		-1.9	30	
Hexachlorocyclopentadiene	L	50.0	48.4	0.2174927	0.2567234		-3.3	30	
Hexachloroethane	A	50.0	48.9	0.630058	0.6163551		-2.2	30	
Indeno(1,2,3-cd)pyrene	A	50.0	48.5	1.073589	1.041151		-3.0	30	
Isophorone	A	50.0	51.5	0.683532	0.7040492		3.0	30	
1-Methylnaphthalene	A	50.0	43.7	0.8092552	0.70745		-12.6	30	
2-Methylnaphthalene	A	50.0	51.9	0.7223828	0.7503942		3.9	30	
2-Methylphenol	A	50.0	47.9	1.448286	1.386337		-4.3	30	
3/4-Methylphenol	A	50.0	46.7	1.734939	1.619065		-6.7	30	
Naphthalene	A	50.0	48.4	1.168546	1.131761		-3.1	30	
2-Nitroaniline	A	50.0	59.2	0.3313921	0.3921805		18.3	30	
3-Nitroaniline	A	50.0	41.5	0.3434355	0.2852377		-16.9	30	
4-Nitroaniline	A	50.0	50.0	0.3768055	0.3770602		0.07	30	
Nitrobenzene	A	50.0	48.9	0.3915758	0.3828632		-2.2	30	
2-Nitrophenol	A	50.0	45.3	0.2345731	0.2126472		-9.3	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV3	Calibration:	2200130
Lab File ID:	C2205412.D	Calibration Date:	02/23/22 06:57
Sequence:	S069429	Injection Date:	02/23/22
Lab Sample ID:	S069429-ICV1	Injection Time:	11:52

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4-Nitrophenol	A	50.0	42.6	0.1795329	0.1527845		-14.9	30
N-Nitrosodimethylamine	A	50.0	49.2	0.5809802	0.5722518		-1.5	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	49.1	0.7018393	0.691781		-1.4	30
N-Nitrosodi-n-propylamine	A	50.0	43.9	1.156145	1.014362		-12.3	30
Pentachloronitrobenzene	A	50.0	48.8	0.0404996	0.0395285		-2.4	30
Pentachlorophenol	A	50.0	42.3	0.1499215	0.1267		-15.5	30
Phenanthrene	A	50.0	48.4	1.201076	1.16237		-3.2	30
Phenol	A	50.0	44.6	2.07013	1.846506		-10.8	30
Pyrene	A	50.0	51.4	1.511578	1.5523		2.7	30
Pyridine	A	50.0	43.2	1.36228	1.176857		-13.6	30
1,2,4,5-Tetrachlorobenzene	A	50.0	48.0	0.64185	0.6162223		-4.0	30
1,2,4-Trichlorobenzene	A	50.0	48.4	0.3583843	0.346692		-3.3	30
2,4,5-Trichlorophenol	A	50.0	48.5	0.4277823	0.4146176		-3.1	30
2,4,6-Trichlorophenol	A	50.0	45.6	0.4379606	0.3991241		-8.9	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205412.D
Acq On : 23 Feb 2022 11:52 am
Operator : BGL
Sample : ICV 50 PPM Inst : GCMSSV3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 23 15:18:30 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:17:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.315	152	57193	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.043	136	223006	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.112	164	126505	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.034	188	223798	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.498	240	183195	40.00	ug/ml	0.00
80) PERYLENE-D12	11.029	264	175933	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.558	112	134	0.09	ug/ml	-0.09
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.04%#		
3) Phenol-d6	3.165	99	723	0.29	ug/ml	0.07
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.14%#		
20) Nitrobenzene-d5	0.000	82	0	0.00	ug/ml	
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.00%#		
36) 2-Fluorobiphenyl	4.813	172	1307	0.31	ug/ml	0.13
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.31%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) Terphenyl-d14	7.226	244	228	0.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.05%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.027	42	40911	49.25	ug/ml	98
5) Pyridine	2.056	79	84135	43.19	ug/ml	100
6) Aniline	3.132	66	35335	43.03	ug/ml#	89
7) Phenol	3.098	94	132009	44.60	ug/ml	93
8) Bis(2-chloroethyl)ether	3.155	63	64262	45.08	ug/ml	92
9) 2-Chlorophenol	3.201	128	111966	45.96	ug/ml	99
10) 1,3-Dichlorobenzene	3.286	146	116324	47.86	ug/ml	100
11) 1,4-Dichlorobenzene	3.322	146	119830	48.04	ug/ml	99
12) 1,2-Dichlorobenzene	3.410	146	113704	48.36	ug/ml	100
13) 2- METHYLPHENOL	3.431	108	99111	47.86	ug/ml	98
14) Bis(2-Chloroisopropyl)...	3.446	45	106291	51.39	ug/ml	95
15) Acetophenone	3.528	105	143956	45.34	ug/ml	93
16) 3/4- METHYLPHENOL	3.513	107	115749	46.66	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	3.521	70	72518	43.87	ug/ml	91
18) Hexachloroethane	3.601	117	44064	48.91	ug/ml	99
21) NITROBENZENE	3.631	77	106726	48.89	ug/ml	100
22) Isophorone	3.763	82	196259	51.50	ug/ml	100
23) 2-Nitrophenol	3.814	139	59277	45.33	ug/ml	99
24) 2,4-Dimethylphenol	3.822	122	99594	46.12	ug/ml	98
25) Bis(2-Chloroethoxy)met...	3.876	93	115743	46.35	ug/ml	99
26) Benzoic Acid	3.871	122	61050	47.83	ug/ml	96
27) 2,4-Dichlorophenol	3.953	162	90734	45.00	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.007	180	96643	48.37	ug/ml	99
29) Naphthalene	4.056	128	315487	48.43	ug/ml	99
30) 4-Chloroaniline	4.079	127	71194	32.41	ug/ml	99
31) Hexachlorobutadiene	4.121	225	52661	49.04	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.363	107	87565	44.00	ug/ml	99
33) 2-MethylNaphthalene	4.471	142	209178	51.94	ug/ml	100
34) 1-Methylnaphthalene	4.533	142	197207	43.71	ug/ml	99
38) Hexachlorocyclopentadiene	4.563	237	40596	48.37	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.571	216	97444	48.00	ug/ml	99
40) 2,4,6-Trichlorophenol	4.638	196	63114	45.57	ug/ml	99
41) 2,4,5-Trichlorophenol	4.664	196	65564	48.46	ug/ml	99

70-130

65% —

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205412.D
Acq On : 23 Feb 2022 11:52 am
Operator : BGL
Sample : ICV 50 PPM Inst : GCMSSV3
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 23 15:18:30 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:17:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2-ChloroNaphthalene	4.772	162	212369	44.71	ug/ml	97
43) 2-Nitroaniline	4.826	65	62016	59.17	ug/ml#	83
44) 1,1-Biphenyl	4.751	154	256855	49.78	ug/ml	100
45) DIMETHYL PHTHALATE	4.929	163	209009	43.73	ug/ml	100
46) 2,6-DinitroToluene	4.970	165	51010	48.92	ug/ml	99
47) Acenaphthylene	5.027	152	313122	49.01	ug/ml	100
48) 3-Nitroaniline	5.076	138	45105	41.53	ug/ml	100
49) Acenaphthene	5.133	154	197647	46.24	ug/ml	99
50) 2,4-Dinitrophenol	5.143	184	24614	39.99	ug/ml	98
51) 4-Nitrophenol	5.174	109	24160	42.55	ug/ml	96
52) Dibenzofuran	5.238	168	280377	50.94	ug/ml	100
53) 2,4-Dinitrotoluene	5.223	165	66046	46.74	ug/ml	99
54) DIETHYL PHTHALATE	5.359	149	200906	44.13	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.441	204	109458	44.83	ug/ml	99
56) Flourene	5.452	166	229075	47.84	ug/ml	99
57) 4-Nitroaniline	5.457	138	59625	50.03	ug/ml	98
59) 4,6-Dinitro-2-Methylph...	5.478	198	36829	44.58	ug/ml	98
60) N-Nitrosodiphenylamine	5.514	169	193524	49.13	ug/ml	99
61) 1,2-Diphenylhydrazine	5.539	77	202701	50.82	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.745	248	62720	46.49	ug/ml	99
63) Hexachlorobenzene	5.794	284	62642	49.72	ug/ml	98
64) Pentachlorophenol	5.913	266	35444	42.26	ug/ml	99
65) Pentachloronitrobenzene	5.920	295	11058	48.80	ug/ml	95
66) Phenanthrene	6.049	178	325170	48.39	ug/ml	100
67) Anthracene	6.083	178	333903	48.40	ug/ml	99
68) Carbazole	6.178	167	296607	45.82	ug/ml	100
69) Di-N-Butyl Phthalate	6.386	149	342444	43.66	ug/ml	100
70) Flouranthene	6.901	202	347152	46.51	ug/ml	100
73) Benzidine	6.997	184	85743	83.99	ug/ml	99
74) Pyrene	7.102	202	355467	51.35	ug/ml	99
75) Butylbenzyl phthalate	7.741	149	143821	46.18	ug/ml	99
76) 3,3'-Dichlorobenzidine	8.441	252	68213	33.43	ug/ml	100
77) Benzo(a)anthracene	8.485	228	320161	48.60	ug/ml	100
78) Chrysene	8.536	228	296807	47.32	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.529	149	192782	45.61	ug/ml	100
81) Di-n-octylphthalate	9.659	149	313590	42.96	ug/ml	98
82) Benzo(b)fluoranthene	10.297	252	317690	48.80	ug/ml	100
83) Benzo(k)fluoranthene	10.349	252	295039	51.39	ug/ml	98
84) Benzo(a)pyrene	10.915	252	287752	51.41	ug/ml	100
85) Indeno(1,2,3-cd)pyrene	12.965	276	228966	48.49	ug/ml	100
86) Dibenz(a,h)anthracene	13.006	278	251705	51.47	ug/ml	99
87) Benzo(g,h,i)perylene	13.356	276	251549	51.21	ug/ml	99

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

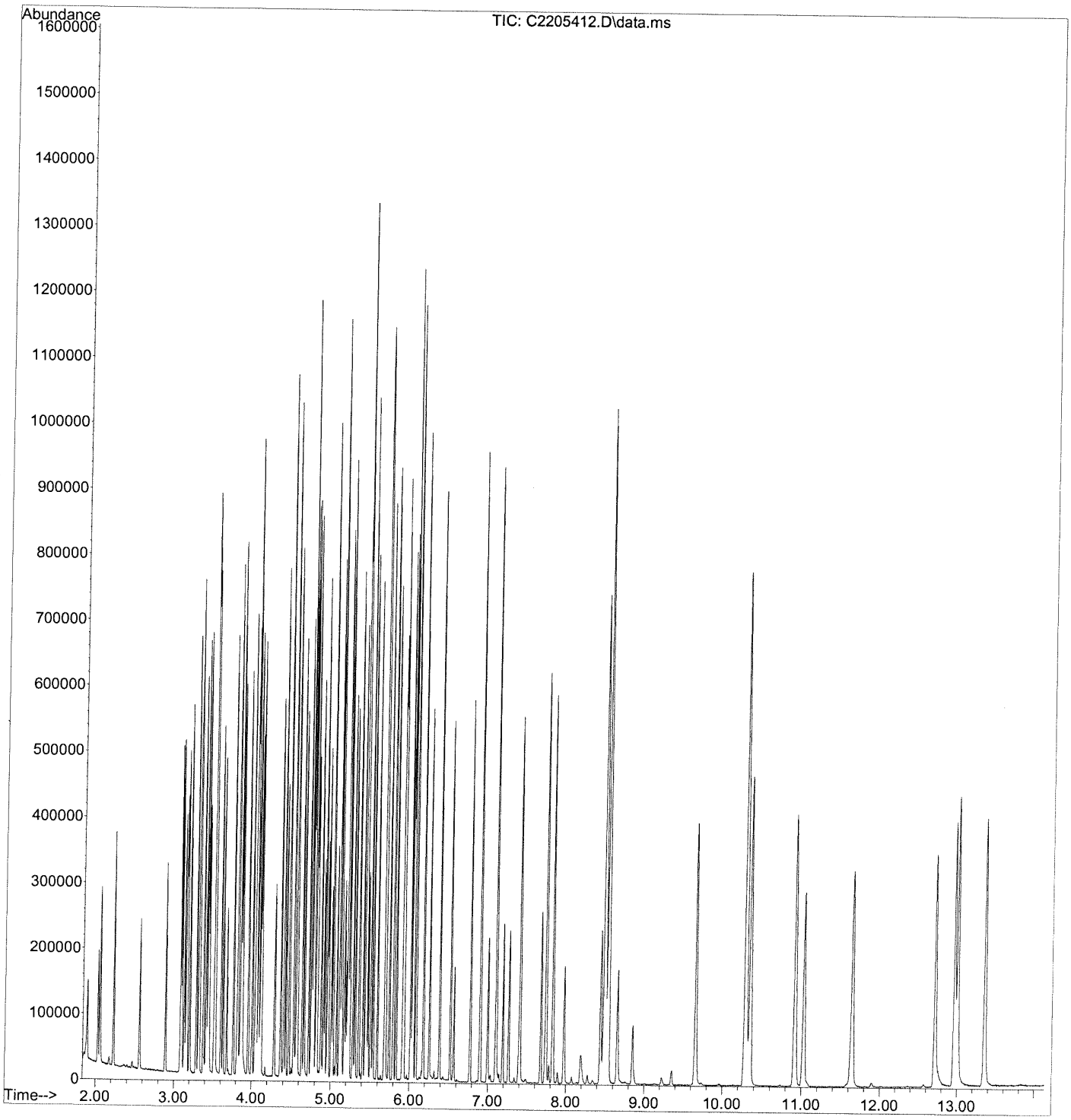
168% - V35
67% - V34

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\C022322\
Data File : C2205412.D
Acq On : 23 Feb 2022 11:52 am
Operator : BGL
Sample : ICV 50 PPM
Misc :
ALS Vial : 12 Sample Multiplier: 1

Inst : GCMSSV3

Quant Time: Feb 23 15:18:30 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Wed Feb 23 15:17:41 2022
Response via : Initial Calibration



INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S094022.D	Calibration Date:	04/04/22 08:41
Sequence:	S070338	Injection Date:	04/04/22
Lab Sample ID:	S070338-ICV1	Injection Time:	17:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Acenaphthene	A	50.0	41.7	1.372946	1.144974		-16.6	30	
Acenaphthylene	A	50.0	43.8	2.188014	1.919038		-12.3	30	
Acetophenone	A	50.0	48.8	2.27581	2.219346		-2.5	30	
Aniline	A	50.0	52.2	0.8295499	0.8652217		4.3	30	
Anthracene	A	50.0	44.4	1.249074	1.109295		-11.2	30	
Benzidine	A	50.0	98.3	0.2388729	0.4695955		96.6	30	*
Benzo(a)anthracene	A	50.0	43.8	1.543954	1.353027		-12.4	30	
Benzo(a)pyrene	A	50.0	47.0	1.308666	1.230838		-5.9	30	
Benzo(b)fluoranthene	A	50.0	43.1	1.509432	1.301116		-13.8	30	
Benzo(g,h,i)perylene	A	50.0	42.3	1.131917	0.9573551		-15.4	30	
Benzo(k)fluoranthene	A	50.0	45.4	1.329068	1.206338		-9.2	30	
Benzoic Acid	A	50.0	49.7	0.2813486	0.2797788		-0.6	30	
Bis(2-chloroethoxy)methane	A	50.0	44.9	0.5181659	0.4657722		-10.1	30	
Bis(2-chloroethyl)ether	A	50.0	50.3	1.603576	1.613252		0.6	30	
Bis(2-chloroisopropyl)ether	A	50.0	55.5	2.989072	3.31677		11.0	30	
Bis(2-Ethylhexyl)phthalate	A	50.0	44.4	1.229657	1.092489		-11.2	30	
4-Bromophenylphenylether	A	50.0	40.7	0.2243946	0.1825544		-18.6	30	
Butylbenzylphthalate	A	50.0	42.7	0.9513588	0.8129611		-14.5	30	
Carbazole	A	50.0	45.0	1.204311	1.083621		-10.0	30	
4-Chloroaniline	A	50.0	32.1	0.4167645	0.2672774		-35.9	30	*
4-Chloro-3-methylphenol	A	50.0	42.3	0.4023861	0.3403664		-15.4	30	
2-Chloronaphthalene	A	50.0	40.8	1.560881	1.274501		-18.3	30	
2-Chlorophenol	A	50.0	48.4	1.803142	1.746024		-3.2	30	
4-Chlorophenylphenylether	A	50.0	40.7	0.7253942	0.590583		-18.6	30	
Chrysene	A	50.0	43.0	1.422249	1.222881		-14.0	30	
Dibenz(a,h)anthracene	A	50.0	43.4	1.149626	0.9985174		-13.1	30	
Dibenzofuran	A	50.0	45.5	1.764101	1.60662		-8.9	30	
Di-n-butylphthalate	A	50.0	42.3	1.65418	1.400668		-15.3	30	
1,2-Dichlorobenzene	A	50.0	46.5	1.662722	1.54597		-7.0	30	
1,3-Dichlorobenzene	A	50.0	44.3	1.762837	1.561937		-11.4	30	

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S094022.D	Calibration Date:	04/04/22 08:41
Sequence:	S070338	Injection Date:	04/04/22
Lab Sample ID:	S070338-ICV1	Injection Time:	17:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	45.1	1.761675	1.589118		-9.8	30
3,3-Dichlorobenzidine	A	50.0	35.4	0.526821	0.3726276		-29.3	30
2,4-Dichlorophenol	A	50.0	42.2	0.3639342	0.3073885		-15.5	30
Diethylphthalate	A	50.0	40.8	1.628092	1.328348		-18.4	30
2,4-Dimethylphenol	A	50.0	42.4	0.3977545	0.3371349		-15.2	30
Dimethylphthalate	A	50.0	39.5	1.646667	1.302262		-20.9	30
4,6-Dinitro-2-methylphenol	A	50.0	43.7	0.1491476	0.1303645		-12.6	30
2,4-Dinitrophenol	A	50.0	40.4	0.2184121	0.1763921		-19.2	30
2,4-Dinitrotoluene	A	50.0	43.2	0.4597808	0.3974517		-13.6	30
2,6-Dinitrotoluene	A	50.0	45.0	0.343774	0.3090889		-10.1	30
Di-n-octylphthalate	A	50.0	41.9	2.341219	1.960458		-16.3	30
1,2-Diphenylhydrazine/Azobenzene	A	50.0	49.7	0.9394326	0.9334344		-0.6	30
Fluoranthene	A	50.0	43.6	1.326594	1.155978		-12.9	30
Fluorene	A	50.0	42.3	1.46524	1.238475		-15.5	30
Hexachlorobenzene	A	50.0	44.5	0.2393112	0.2128873		-11.0	30
Hexachlorobutadiene	A	50.0	44.4	0.1792408	0.1591696		-11.2	30
Hexachlorocyclopentadiene	A	50.0	48.2	0.3446344	0.3321126		-3.6	30
Hexachloroethane	A	50.0	45.7	0.7036808	0.6432059		-8.6	30
Indeno(1,2,3-cd)pyrene	A	50.0	42.1	1.10209	0.9277616		-15.8	30
Isophorone	A	50.0	50.2	0.8047004	0.8076209		0.4	30
1-Methylnaphthalene	A	50.0	40.5	0.7560757	0.6125839		-19.0	30
2-Methylnaphthalene	A	50.0	46.7	0.6884755	0.6429296		-6.6	30
2-Methylphenol	A	50.0	50.8	1.553194	1.578433		1.6	30
3/4-Methylphenol	A	50.0	49.7	1.732615	1.722527		-0.6	30
Naphthalene	A	50.0	44.6	1.173781	1.046078		-10.9	30
2-Nitroaniline	A	50.0	55.1	0.4975792	0.5484092		10.2	30
3-Nitroaniline	A	50.0	38.5	0.3949801	0.3041036		-23.0	30
4-Nitroaniline	A	50.0	45.4	0.3994338	0.3630753		-9.1	30
Nitrobenzene	A	50.0	47.6	0.4607835	0.438561		-4.8	30
2-Nitrophenol	A	50.0	43.5	0.2370074	0.2059922		-13.1	30

7 - FORM VII

INITIAL CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S094022.D	Calibration Date:	04/04/22 08:41
Sequence:	S070338	Injection Date:	04/04/22
Lab Sample ID:	S070338-ICV1	Injection Time:	17:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4-Nitrophenol	A	50.0	40.7	0.2463673	0.2005733		-18.6	30
N-Nitrosodimethylamine	A	50.0	45.7	1.074008	0.981112		-8.6	30
N-Nitrosodiphenylamine/Diphenylamine	A	50.0	45.1	0.6910872	0.6249859		-9.6	30
N-Nitrosodi-n-propylamine	A	50.0	48.1	1.226752	1.181179		-3.7	30
Pentachloronitrobenzene	A	50.0	44.3	0.0419468	3.716581E-02		-11.4	30
Pentachlorophenol	A	50.0	43.9	0.1578667	0.1386739		-12.2	30
Phenanthrene	A	50.0	43.8	1.236176	1.081969		-12.5	30
Phenol	A	50.0	49.3	2.421806	2.38822		-1.4	30
Pyrene	A	50.0	43.6	1.721838	1.502609		-12.7	30
Pyridine	A	50.0	35.3	1.958957	1.382553		-29.4	30
1,2,4,5-Tetrachlorobenzene	A	50.0	43.9	0.628622	0.5520235		-12.2	30
1,2,4-Trichlorobenzene	A	50.0	45.2	0.3522996	0.3187917		-9.5	30
2,4,5-Trichlorophenol	A	50.0	45.6	0.4631444	0.4222564		-8.8	30
2,4,6-Trichlorophenol	A	50.0	43.6	0.4596459	0.4004796		-12.9	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094022.D
Acq On : 4 Apr 2022 5:23 pm
Operator : BGL
Sample : ICV 50 ppm 2201325 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 05 12:16:16 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	178272	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.060	136	724847	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	366996	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	609528	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.510	240	484342	40.00	ug/ml	0.00
80) PERYLENE-D12	11.007	264	515598	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	163	0.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.01%#		
3) Phenol-d6	3.182	99	2857	0.32	ug/ml	0.07
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.16%#		
20) Nitrobenzene-d5	3.780	82	731752	93.80	ug/ml	0.14
Spiked Amount 100.000	Range 30 - 130		Recovery =	93.80%		
36) 2-Fluorobiphenyl	4.833	172	3701	0.31	ug/ml	0.13
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.31%#		
37) 2,4,6-Tribromophenol	0.000	330	0	0.00	ug/ml	
Spiked Amount 200.000	Range 30 - 130		Recovery =	0.00%#		
72) Terphenyl-d14	7.248	244	359	0.03	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery =	0.03%#		
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.047	42	218631	45.68	ug/ml	99
5) Pyridine	2.073	79	308088	35.29	ug/ml	99
6) Aniline	3.149	66	192806	52.15	ug/ml	98
7) Phenol	3.115	94	532191	49.31	ug/ml	92
8) Bis(2-chloroethyl)ether	3.169	63	359497	50.30	ug/ml	97
9) 2-Chlorophenol	3.216	128	389084	48.42	ug/ml	99
10) 1,3-Dichlorobenzene	3.301	146	348062	44.30	ug/ml	99
11) 1,4-Dichlorobenzene	3.339	146	354119	45.10	ug/ml	100
12) 1,2-Dichlorobenzene	3.424	146	344504	46.49	ug/ml	100
13) 2- METHYLPHENOL	3.448	108	351738	50.81	ug/ml	96
14) Bis(2-Chloroisopropyl)...	3.463	45	739109	55.48	ug/ml	96
15) Acetophenone	3.545	105	494559	48.76	ug/ml#	82
16) 3/4- METHYLPHENOL	3.530	107	383848	49.71	ug/ml#	72
17) N-Nitroso-Di-N-Propyla...	3.538	70	263214	48.14	ug/ml	89
18) Hexachloroethane	3.617	117	143332	45.70	ug/ml	99
21) NITROBENZENE	3.646	77	397362	47.59	ug/ml	99
22) Isophorone	3.780	82	731752	50.18	ug/ml	100
23) 2-Nitrophenol	3.829	139	186641	43.46	ug/ml	98
24) 2,4-Dimethylphenol	3.841	122	305464	42.38	ug/ml	95
25) Bis(2-Chloroethoxy)met...	3.896	93	422017	44.94	ug/ml	100
26) Benzoic Acid	3.890	122	253496	49.72	ug/ml	94
27) 2,4-Dichlorophenol	3.973	162	278512	42.23	ug/ml	100
28) 1,2,4-Trichlorobenzene	4.024	180	288844	45.24	ug/ml	100
29) Naphthalene	4.073	128	947808	44.56	ug/ml	100
30) 4-Chloroaniline	4.096	127	242169	32.07	ug/ml	98
31) Hexachlorobutadiene	4.140	225	144217	44.40	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.382	107	308392	42.29	ug/ml	98
33) 2-MethylNaphthalene	4.488	142	582532	46.69	ug/ml	99
34) 1-Methylnaphthalene	4.550	142	555037	40.51	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	152355	48.18	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	253238	43.91	ug/ml	100
40) 2,4,6-Trichlorophenol	4.658	196	183718	43.56	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094022.D
Acq On : 4 Apr 2022 5:23 pm
Operator : BGL
Sample : ICV 50 ppm 2201325 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 05 12:16:16 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.683	196	193708	45.59	ug/ml	99
42) 2-ChloroNaphthalene	4.789	162	584671	40.83	ug/ml	100
43) 2-Nitroaniline	4.843	65	251580	55.11	ug/ml	84
44) 1,1-Biphenyl	4.771	154	690981	46.67	ug/ml	99
45) DIMETHYL PHTHALATE	4.949	163	597406	39.54	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	141793	44.96	ug/ml	99
47) Acenaphthylene	5.046	152	880349	43.85	ug/ml	100
48) 3-Nitroaniline	5.095	138	139506	38.50	ug/ml	98
49) Acenaphthene	5.152	154	525251	41.70	ug/ml	99
50) 2,4-Dinitrophenol	5.160	184	80919	40.38	ug/ml#	85
51) 4-Nitrophenol	5.193	109	92012	40.71	ug/ml	96
52) Dibenzofuran	5.258	168	737029	45.54	ug/ml	99
53) 2,4-Dinitrotoluene	5.240	165	182329	43.22	ug/ml	98
54) DIETHYL PHTHALATE	5.384	149	609373	40.79	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.461	204	270927	40.71	ug/ml	99
56) Flourene	5.471	166	568144	42.26	ug/ml	100
57) 4-Nitroaniline	5.476	138	166559	45.45	ug/ml	99
59) 4,6-Dinitro-2-Methylph...	5.494	198	99326	43.70	ug/ml	97
60) N-Nitrosodiphenylamine	5.533	169	476183	45.08	ug/ml	100
61) 1,2-Diphenylhydrazine	5.561	77	711193	49.68	ug/ml	99
62) 4-Bromophenyl phenyl e...	5.767	248	139090	40.68	ug/ml	98
63) Hexachlorobenzene	5.814	284	162201	44.48	ug/ml	96
64) Pentachlorophenol	5.935	266	105657	43.92	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	28317	44.30	ug/ml	95
66) Phenanthrene	6.071	178	824363	43.76	ug/ml	100
67) Anthracene	6.105	178	845183	44.40	ug/ml	100
68) Carbazole	6.200	167	825622	44.99	ug/ml	100
69) Di-N-Butyl Phthalate	6.414	149	1067183	42.34	ug/ml	100
70) Flouranthene	6.923	202	880751	43.57	ug/ml	99
73) Benzidine	7.021	184	284306	98.29	ug/ml	99
74) Pyrene	7.124	202	909721	43.63	ug/ml	99
75) Butylbenzyl phthalate	7.765	149	492189	42.73	ug/ml	99
76) 3,3'-Dichlorobenzidine	8.458	252	225599	35.37	ug/ml	98
77) Benzo(a)anthracene	8.497	228	819160	43.82	ug/ml	100
78) Chrysene	8.546	228	740366	42.99	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.556	149	661423	44.42	ug/ml	100
81) Di-n-octylphthalate	9.681	149	1263510	41.87	ug/ml	98
82) Benzo(b)fluoranthene	10.289	252	838566	43.10	ug/ml	99
83) Benzo(k)fluoranthene	10.340	252	777482	45.38	ug/ml	100
84) Benzo(a)pyrene	10.896	252	793272	47.03	ug/ml	99
85) Indeno(1,2,3-cd)pyrene	12.936	276	597940	42.09	ug/ml	99
86) Dibenz(a,h)anthracene	12.984	278	643542	43.43	ug/ml	99
87) Benzo(g,h,i)perylene	13.324	276	617013	42.29	ug/ml	98

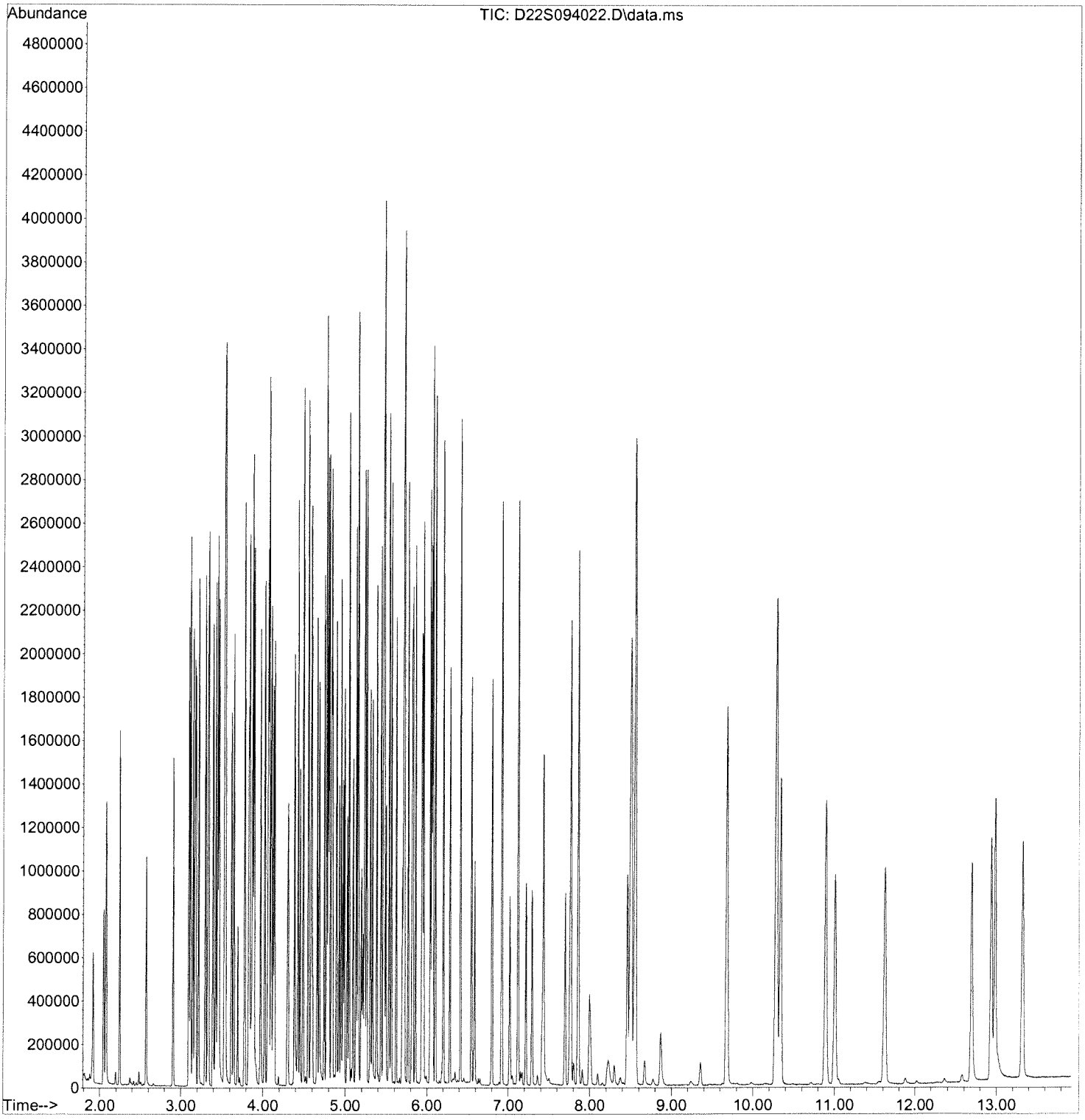
(#) = qualifier out of range (m) = manual integration (+) = signals summed

196% V35

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D040422\
Data File : D22S094022.D
Acq On : 4 Apr 2022 5:23 pm
Operator : BGL
Sample : ICV 50 ppm 2201325 Inst : GCMSSV4
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 05 12:16:16 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S103002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070357	Injection Date:	04/13/22
Lab Sample ID:	S070357-CCV1	Injection Time:	10:06

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	52.8	1.372946	1.449512		5.6	20	
Acenaphthylene	A	50.0	51.2	2.188014	2.242869		2.5	20	
Acetophenone	A	50.0	45.5	2.27581	2.071101		-9.0	20	
Aniline	A	50.0	37.3	0.8295499	0.6188911		-25.4	20	*
Anthracene	A	50.0	50.7	1.249074	1.266528		1.4	20	
Benzidine	A	50.0	26.9	0.2388729	0.1283072		-46.3	20	*
Benzo(a)anthracene	A	50.0	52.0	1.543954	1.606978		4.1	20	
Benzo(a)pyrene	A	50.0	53.0	1.308666	1.387765		6.0	20	
Benzo(b)fluoranthene	A	50.0	52.8	1.509432	1.59363		5.6	20	
Benzo(g,h,i)perylene	A	50.0	53.8	1.131917	1.217635		7.6	20	
Benzo(k)fluoranthene	A	50.0	53.1	1.329068	1.410581		6.1	20	
Benzoic Acid	A	50.0	52.2	0.2813486	0.2937912		4.4	20	
Bis(2-chloroethoxy)methane	A	50.0	44.6	0.5181659	0.4622957		-10.8	20	
Bis(2-chloroethyl)ether	A	50.0	40.1	1.603576	1.285128		-19.9	20	
Bis(2-chloroisopropyl)ether	A	50.0	38.6	2.989072	2.310272		-22.7	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	47.4	1.229657	1.165824		-5.2	20	
4-Bromophenylphenylether	A	50.0	49.4	0.2243946	0.2217392		-1.2	20	
Butylbenzylphthalate	A	50.0	47.5	0.9513588	0.9035168		-5.0	20	
Carbazole	A	50.0	51.7	1.204311	1.244501		3.3	20	
4-Chloroaniline	A	50.0	46.8	0.4167645	0.390508		-6.3	20	
4-Chloro-3-methylphenol	A	50.0	46.6	0.4023861	0.374772		-6.9	20	
2-Chloronaphthalene	A	50.0	54.3	1.560881	1.695429		8.6	20	
2-Chlorophenol	A	50.0	45.7	1.803142	1.648635		-8.6	20	
4-Chlorophenylphenylether	A	50.0	51.3	0.7253942	0.7448113		2.7	20	
Chrysene	A	50.0	51.2	1.422249	1.456729		2.4	20	
Dibenz(a,h)anthracene	A	50.0	51.5	1.149626	1.184068		3.0	20	
Dibenzofuran	A	50.0	53.9	1.764101	1.902603		7.9	20	
Di-n-butylphthalate	A	50.0	47.5	1.65418	1.571547		-5.0	20	
1,2-Dichlorobenzene	A	50.0	49.7	1.662722	1.651843		-0.7	20	
1,3-Dichlorobenzene	A	50.0	50.1	1.762837	1.76702		0.2	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S103002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070357	Injection Date:	04/13/22
Lab Sample ID:	S070357-CCV1	Injection Time:	10:06

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	49.9	1.761675	1.758889		-0.2	20
3,3-Dichlorobenzidine	A	50.0	52.1	0.526821	0.5493475		4.3	20
2,4-Dichlorophenol	A	50.0	49.3	0.3639342	0.3588048		-1.4	20
Diethylphthalate	A	50.0	49.1	1.628092	1.598868		-1.8	20
2,4-Dimethylphenol	A	50.0	48.2	0.3977545	0.3830234		-3.7	20
Dimethylphthalate	A	50.0	49.1	1.646667	1.616997		-1.8	20
4,6-Dinitro-2-methylphenol	A	50.0	48.5	0.1491476	0.1447758		-2.9	20
2,4-Dinitrophenol	A	50.0	50.8	0.2184121	0.2221324		1.7	20
2,4-Dinitrotoluene	A	50.0	54.1	0.4597808	0.4971197		8.1	20
2,6-Dinitrotoluene	A	50.0	52.9	0.343774	0.363422		5.7	20
Di-n-octylphthalate	A	50.0	48.5	2.341219	2.271068		-3.0	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	44.6	0.9394326	0.837575		-10.8	20
Fluoranthene	A	50.0	52.2	1.326594	1.386312		4.5	20
Fluorene	A	50.0	52.1	1.46524	1.527923		4.3	20
Hexachlorobenzene	A	50.0	52.4	0.2393112	0.2509404		4.9	20
Hexachlorobutadiene	A	50.0	54.9	0.1792408	0.1967473		9.8	20
Hexachlorocyclopentadiene	A	50.0	53.6	0.3446344	0.3696501		7.3	20
Hexachloroethane	A	50.0	47.1	0.7036808	0.6622538		-5.9	20
Indeno(1,2,3-cd)pyrene	A	50.0	51.5	1.10209	1.134705		3.0	20
Isophorone	A	50.0	46.0	0.8047004	0.7397888		-8.1	20
1-Methylnaphthalene	A	50.0	49.0	0.7560757	0.7417023		-1.9	20
2-Methylnaphthalene	A	50.0	53.0	0.6884755	0.7296033		6.0	20
2-Methylphenol	A	50.0	46.4	1.553194	1.443037		-7.1	20
3/4-Methylphenol	A	100	91.0	1.732615	1.575779		-9.1	20
Naphthalene	A	50.0	50.4	1.173781	1.182655		0.8	20
2-Nitroaniline	A	50.0	48.9	0.4975792	0.4866176		-2.2	20
3-Nitroaniline	A	50.0	51.7	0.3949801	0.4083721		3.4	20
4-Nitroaniline	A	50.0	55.4	0.3994338	0.4428202		10.9	20
Nitrobenzene	A	50.0	48.1	0.4607835	0.4436462		-3.7	20
2-Nitrophenol	A	50.0	49.0	0.2370074	0.2324335		-1.9	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S103002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070357	Injection Date:	04/13/22
Lab Sample ID:	S070357-CCV1	Injection Time:	10:06

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	49.8	0.2463673	0.2453298		-0.4	20
N-Nitrosodimethylamine	A	50.0	42.4	1.074008	0.9118245		-15.1	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.1	0.6910872	0.6652581		-3.7	20
N-Nitrosodi-n-propylamine	A	50.0	42.8	1.226752	1.05101		-14.3	20
Pentachloronitrobenzene	A	50.0	52.0	0.0419468	4.364631E-02		4.1	20
Pentachlorophenol	A	50.0	51.7	0.1578667	0.1633331		3.5	20
Phenanthrene	A	50.0	50.4	1.236176	1.246631		0.8	20
Phenol	A	50.0	42.8	2.421806	2.071129		-14.5	20
Pyrene	A	50.0	50.5	1.721838	1.738369		1.0	20
Pyridine	A	50.0	44.2	1.958957	1.729732		-11.7	20
1,2,4,5-Tetrachlorobenzene	A	50.0	53.2	0.628622	0.6694234		6.5	20
1,2,4-Trichlorobenzene	A	50.0	53.1	0.3522996	0.3739299		6.1	20
2,4,5-Trichlorophenol	A	50.0	54.7	0.4631444	0.5063881		9.3	20
2,4,6-Trichlorophenol	A	50.0	51.6	0.4596459	0.4738731		3.1	20
2-Fluorophenol	A	100	95.6	1.242874	1.188859		-4.3	
Phenol-d6	A	100	92.2	2.00858	1.852591		-7.8	
Nitrobenzene-d5	A	50.0	48.2	0.43051	0.4154184		-3.5	
2-Fluorobiphenyl	A	50.0	53.2	1.317574	1.401592		6.4	
2,4,6-Tribromophenol	A	100	117	0.1751175	0.2046623		16.9	
p-Terphenyl-d14	A	50.0	39.6	1.152304	0.9123319		-20.8	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

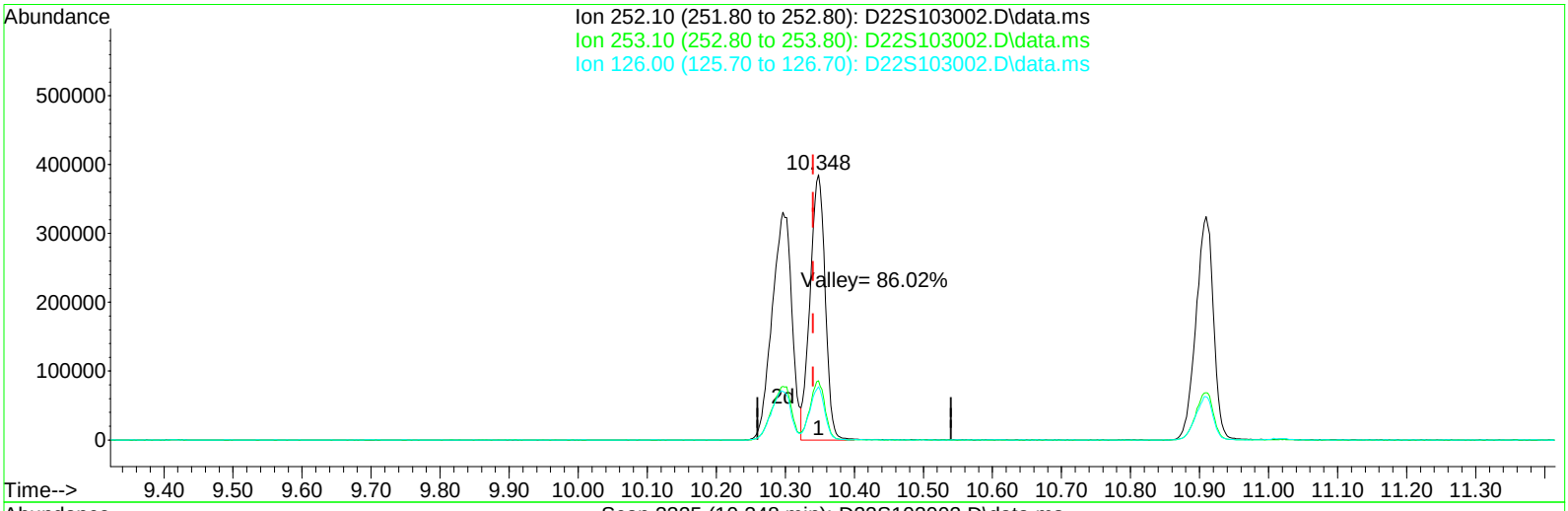
* Values outside of QC limits

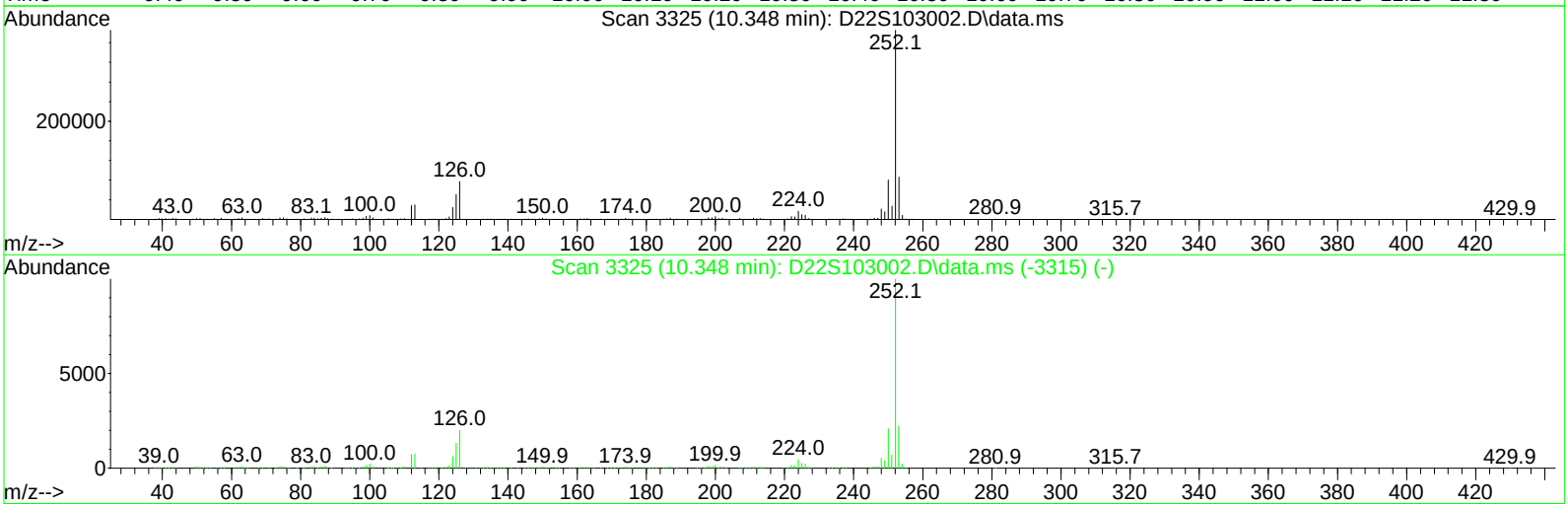
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

828

Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration





TIC: D22S103002.D\data.ms

(83) Benzo(k)fluoranthene

10.348min (+0.008) 53.07 ug/ml

response 581519

Ion	Exp%	Act%
252.10	100	100
253.10	22.00	22.33
126.00	24.30	19.96
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\D041322\
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Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	116690	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	425622	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	227612	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	416915	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	350490	40.00	ug/ml	0.00
80) PERYLENE-D12	11.020	264	329804	40.00	ug/ml	0.01
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	346820	95.65	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.83%			
3) Phenol-d6	3.116	99	540447	92.23	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.12%			
20) Nitrobenzene-d5	3.638	82	221014	48.25	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.25%			
36) 2-Fluorobiphenyl	4.707	172	398774	53.19	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.19%			
37) 2,4,6-Tribromophenol	5.623	330	116459	116.87	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 58.44%			
72) Terphenyl-d14	7.253	244	399704	39.59	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.59%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.039	42	133001	42.45	ug/ml	96
5) Pyridine	2.068	79	252303	44.15	ug/ml	99
6) Aniline	3.152	66	90273	37.30	ug/ml	92
7) Phenol	3.123	94	302100	42.76	ug/ml	98
8) Bis(2-chloroethyl)ether	3.172	63	187452	40.07	ug/ml	94
9) 2-Chlorophenol	3.221	128	240474	45.72	ug/ml	95
10) 1,3-Dichlorobenzene	3.301	146	257742	50.12	ug/ml	99
11) 1,4-Dichlorobenzene	3.340	146	256556	49.92	ug/ml	99
12) 1,2-Dichlorobenzene	3.427	146	240942	49.67	ug/ml	99
13) 2- METHYLPHENOL	3.453	108	210485	46.45	ug/ml	88
14) Bis(2-Chloroisopropyl)...	3.463	45	336982	38.65	ug/ml#	71
15) Acetophenone	3.546	105	302096	45.50	ug/ml	98
16) 3/4- METHYLPHENOL	3.538	107	459694	90.95	ug/ml	98
17) N-Nitroso-Di-N-Propyla...	3.540	70	153303	42.84	ug/ml	99
18) Hexachloroethane	3.618	117	96598	47.06	ug/ml	91
21) NITROBENZENE	3.648	77	236032	48.14	ug/ml	97
22) Isophorone	3.782	82	393588	45.97	ug/ml	97
23) 2-Nitrophenol	3.831	139	123661	49.04	ug/ml	95
24) 2,4-Dimethylphenol	3.844	122	203779	48.15	ug/ml	100
25) Bis(2-Chloroethoxy)met...	3.896	93	245954	44.61	ug/ml	99
26) Benzoic Acid	3.896	122	156305	52.21	ug/ml	99
27) 2,4-Dichlorophenol	3.973	162	190894	49.30	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.024	180	198941	53.07	ug/ml	99
29) Naphthalene	4.076	128	629205	50.38	ug/ml	100
30) 4-Chloroaniline	4.099	127	207761	46.85	ug/ml	99
31) Hexachlorobutadiene	4.140	225	104675	54.88	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.387	107	199389	46.57	ug/ml	97
33) 2-MethylNaphthalene	4.490	142	388169	52.99	ug/ml	99
34) 1-Methylnaphthalene	4.552	142	394606	49.05	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	105171	53.63	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	190461	53.25	ug/ml	99
40) 2,4,6-Trichlorophenol	4.660	196	134824	51.55	ug/ml	98
41) 2,4,5-Trichlorophenol	4.689	196	144075	54.67	ug/ml	98
42) 2-ChloroNaphthalene	4.792	162	482375	54.31	ug/ml	99

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

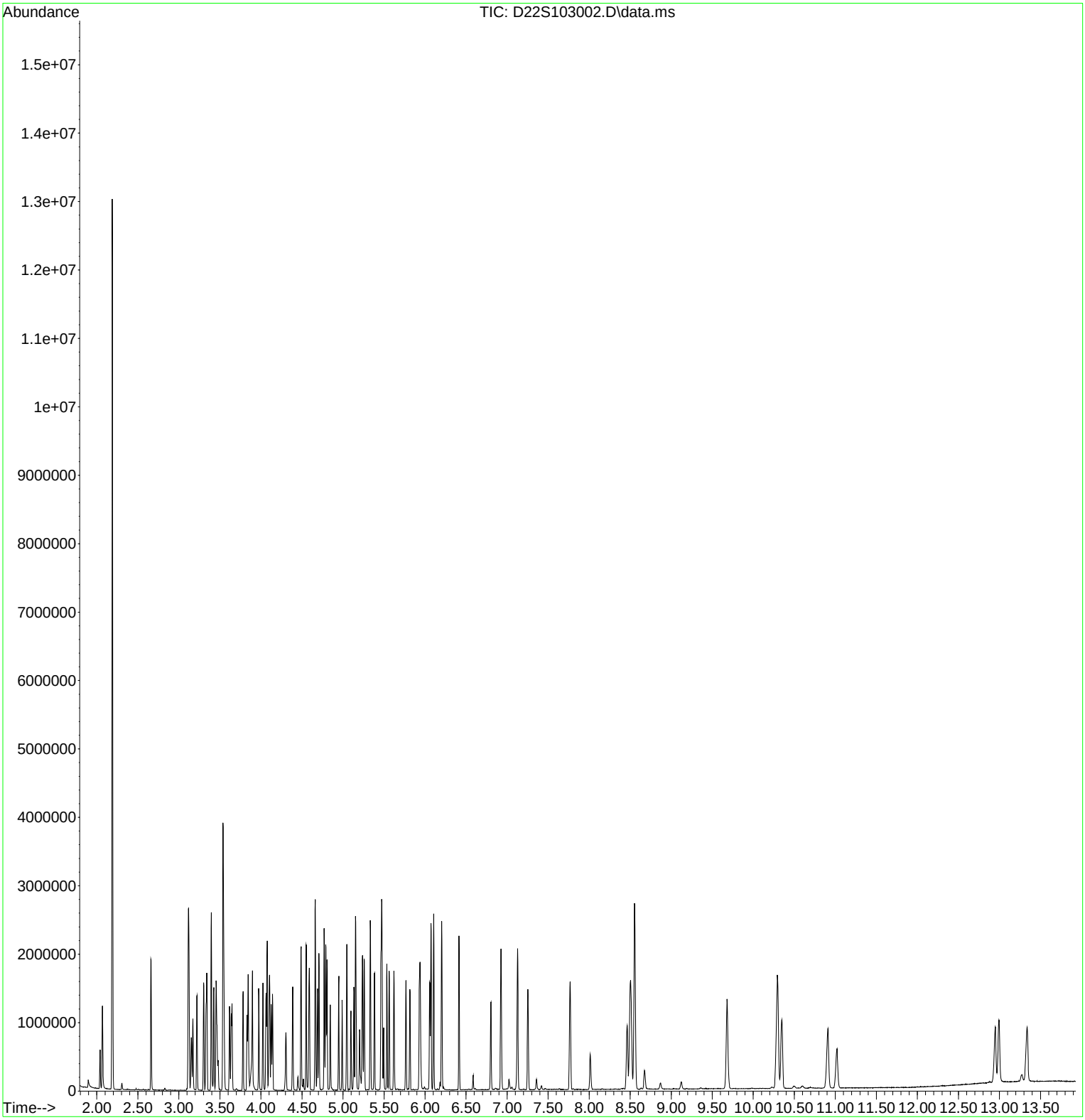
Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.846	65	138450	48.90	ug/ml	95
44) 1,1-Biphenyl	4.771	154	483994	52.71	ug/ml#	97
45) DIMETHYL PHTHALATE	4.949	163	460060	49.10	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	103399	52.86	ug/ml	93
47) Acenaphthylene	5.047	152	638130	51.25	ug/ml	100
48) 3-Nitroaniline	5.098	138	116188	51.70	ug/ml	97
49) Acenaphthene	5.152	154	412408	52.79	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	63200	50.85	ug/ml#	84
51) 4-Nitrophenol	5.201	109	69800	49.79	ug/ml	94
52) Dibenzofuran	5.260	168	541319	53.93	ug/ml	100
53) 2,4-Dinitrotoluene	5.242	165	141438	54.06	ug/ml	93
54) DIETHYL PHTHALATE	5.384	149	454902	49.10	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.464	204	211910	51.34	ug/ml	99
56) Flourene	5.471	166	434717	52.14	ug/ml	100
57) 4-Nitroaniline	5.477	138	125989	55.43	ug/ml	92
59) 4,6-Dinitro-2-Methylph...	5.497	198	75449	48.53	ug/ml	90
60) N-Nitrosodiphenylamine	5.536	169	296771	41.08	ug/ml	100
61) 1,2-Diphenylhydrazine	5.562	77	436497	44.58	ug/ml	96
62) 4-Bromophenyl phenyl e...	5.768	248	115558	49.41	ug/ml	97
63) Hexachlorobenzene	5.816	284	130776	52.43	ug/ml	97
64) Pentachlorophenol	5.937	266	85120	51.73	ug/ml	99
65) Pentachloronitrobenzene	5.943	295	22746	52.03	ug/ml	99
66) Phenanthrene	6.071	178	649674	50.42	ug/ml	100
67) Anthracene	6.105	178	660043	50.70	ug/ml	99
68) Carbazole	6.203	167	648564	51.67	ug/ml	100
69) Di-N-Butyl Phthalate	6.414	149	819002	47.50	ug/ml	100
70) Flouranthene	6.926	202	722468	52.25	ug/ml	97
73) Benzidine	7.024	184	56213	26.86	ug/ml	92
74) Pyrene	7.127	202	761601	50.48	ug/ml	100
75) Butylbenzyl phthalate	7.768	149	395842	47.49	ug/ml	94
76) 3,3'-Dichlorobenzidine	8.463	252	240676	52.14	ug/ml	99
77) Benzo(a)anthracene	8.499	228	704037	52.04	ug/ml	100
78) Chrysene	8.551	228	638211	51.21	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.559	149	510762	47.40	ug/ml	98
81) Di-n-octylphthalate	9.681	149	936259	48.50	ug/ml	95
82) Benzo(b)fluoranthene	10.297	252	656982	52.79	ug/ml	97
83) Benzo(k)fluoranthene	10.348	252	581519	53.07	ug/ml	95
84) Benzo(a)pyrene	10.909	252	572113	53.02	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	12.949	276	467788	51.48	ug/ml	93
86) Dibenz(a,h)anthracene	12.997	278	488138	51.50	ug/ml	94
87) Benzo(g,h,i)perylene	13.337	276	501976	53.79	ug/ml	92

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

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	68	0.00
2	S	2-Fluorophenol	100.000	95.654	4.3	62	0.00
3	S	Phenol-d6	100.000	92.234	7.8	60	0.00
4		N-Nitrosodimethylamine	50.000	42.450	15.1	55	0.00
5		Pyridine	50.000	44.149	11.7	58	0.00
6		Aniline	50.000	37.303	25.4#	57	0.00
7	C	Phenol	50.000	42.760	14.5#	56	0.00
8		Bis(2-chloroethyl)ether	50.000	40.071	19.9	54	0.00
9		2-Chlorophenol	50.000	45.716	8.6	61	0.00
10		1,3-Dichlorobenzene	50.000	50.119	-0.2	68	0.00
11	C	1,4-Dichlorobenzene	50.000	49.921	0.2#	68	0.00
12		1,2-Dichlorobenzene	50.000	49.673	0.7	68	0.00
13		2- METHYLPHENOL	50.000	46.454	7.1	62	0.00
14		Bis(2-Chloroisopropyl)ether	50.000	38.645	22.7#	51	0.00
15		Acetophenone	50.000	45.502	9.0	61	0.00
16		3/4- METHYLPHENOL	100.000	90.948	9.1	62	0.00
17	P	N-Nitroso-Di-N-Propylamine	50.000	42.837	14.3	57	0.00
18		Hexachloroethane	50.000	47.056	5.9	65	0.00
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	63	0.00
20	S	Nitrobenzene-d5	50.000	48.247	3.5	60	0.00
21		NITROBENZENE	50.000	48.140	3.7	60	0.00
22		Isophorone	50.000	45.967	8.1	57	0.00
23	C	2-Nitrophenol	50.000	49.035	1.9#	60	0.00
24		2,4-Dimethylphenol	50.000	48.148	3.7	60	0.00
25		Bis(2-Chloroethoxy)methane	50.000	44.609	10.8	55	0.00
26		Benzoic Acid	50.000	52.211	-4.4	62	0.00
27	C	2,4-Dichlorophenol	50.000	49.295	1.4#	62	0.00
28		1,2,4-Trichlorobenzene	50.000	53.070	-6.1	66	0.00
29		Naphthalene	50.000	50.378	-0.8	64	0.00
30		4-Chloroaniline	50.000	46.850	6.3	57	0.00
31	C	Hexachlorobutadiene	50.000	54.884	-9.8#	70	0.00
32	C	4-Chloro-3-Methylphenol	50.000	46.569	6.9#	57	0.00
33		2-MethylNaphthalene	50.000	52.987	-6.0	66	0.00
34		1-Methylnaphthalene	50.000	49.049	1.9	62	0.00
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	63	0.00
36	S	2-Fluorobiphenyl	50.000	53.188	-6.4	67	0.00
37	S	2,4,6-Tribromophenol	100.000	116.871	-16.9	74	0.00
38	P	Hexachlorocyclopentadiene	50.000	53.629	-7.3	66	0.00
39		1,2,4,5-Tetrachlorobenzene	50.000	53.245	-6.5	67	0.00
40	C	2,4,6-Trichlorophenol	50.000	51.548	-3.1#	66	0.00
41		2,4,5-Trichlorophenol	50.000	54.668	-9.3	69	0.00
42		2-ChloroNaphthalene	50.000	54.310	-8.6	70	0.00
43		2-Nitroaniline	50.000	48.899	2.2	61	0.00
44		1,1-Biphenyl	50.000	52.709	-5.4	68	0.00
45		DIMETHYL PHTHALATE	50.000	49.099	1.8	63	0.00
46		2,6-DinitroToluene	50.000	52.858	-5.7	65	0.00
47		Acenaphthylene	50.000	51.254	-2.5	65	0.00
48		3-Nitroaniline	50.000	51.695	-3.4	62	0.00
49	C	Acenaphthene	50.000	52.788	-5.6#	68	0.00
50	P	2,4-Dinitrophenol	50.000	50.852	-1.7	62	0.00
51	P	4-Nitrophenol	50.000	49.789	0.4	61	0.00

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		Dibenzofuran	50.000	53.926	-7.9	69	0.00
53		2,4-Dinitrotoluene	50.000	54.061	-8.1	67	0.00
54		DIETHYL PHTHALATE	50.000	49.103	1.8	62	0.00
55		4-Chlorophenyl phenyl ether	50.000	51.338	-2.7	65	0.00
56		Flourene	50.000	52.139	-4.3	67	0.00
57		4-Nitroaniline	50.000	55.431	-10.9	70	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	65	0.00
59		4,6-Dinitro-2-Methylphenol	50.000	48.534	2.9	62	0.00
60	C	N-Nitrosodiphenylamine	42.680	41.079	3.8#	63	0.00
61		1,2-Diphenylhydrazine	50.000	44.579	10.8	57	0.00
62		4-Bromophenyl phenyl ether	50.000	49.408	1.2	64	0.00
63		Hexachlorobenzene	50.000	52.430	-4.9	69	0.00
64	C	Pentachlorophenol	50.000	51.731	-3.5#	66	0.00
65		Pentachloronitrobenzene	50.000	52.026	-4.1	67	0.00
66		Phenanthrene	50.000	50.423	-0.8	67	0.00
67		Anthracene	50.000	50.699	-1.4	67	0.00
68		Carbazole	50.000	51.669	-3.3	67	0.00
69		Di-N-Butyl Phthalate	50.000	47.502	5.0	61	0.00
70	C	Flouranthene	50.000	52.251	-4.5#	68	0.00
71	I	CHRYSENE-D12	40.000	40.000	0.0	68	0.00
72	S	Terphenyl-d14	50.000	39.587	20.8#	52	0.00
73		Benzidine	50.000	26.857	46.3#	69	0.00
74		Pyrene	50.000	50.480	-1.0	68	0.00
75		Butylbenzyl phthalate	50.000	47.486	5.0	62	0.00
76		3,3'-Dichlorobenzidine	50.000	52.138	-4.3	66	0.00
77		Benzo(a)anthracene	50.000	52.041	-4.1	69	0.00
78		Chrysene	50.000	51.212	-2.4	69	0.00
79		Bis(2-ethylhexyl)phthalate	50.000	47.404	5.2	62	0.00
80	I	PERYLENE-D12	40.000	40.000	0.0	66	0.01
81	C	Di-n-octylphthalate	50.000	48.502	3.0#	61	0.00
82		Benzo(b)fluoranthene	50.000	52.789	-5.6	68	0.00
83		Benzo(k)fluoranthene	50.000	53.067	-6.1	69	0.00
84	C	Benzo(a)pyrene	50.000	53.022	-6.0#	68	0.01
85		Indeno(1,2,3-cd)pyrene	50.000	51.480	-3.0	63	0.01
86		Dibenz(a,h)anthracene	50.000	51.498	-3.0	63	0.01
87		Benzo(g,h,i)perylene	50.000	53.786	-7.6	66	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 13

Evaluate Continuing Calibration Report

834

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	68	0.00
2	S	2-Fluorophenol	1.243	1.189	4.3	62	0.00
3	S	Phenol-d6	2.009	1.853	7.8	60	0.00
4		N-Nitrosodimethylamine	1.074	0.912	15.1	55	0.00
5		Pyridine	1.959	1.730	11.7	58	0.00
6		Aniline	0.830	0.619	25.4#	57	0.00
7	C	Phenol	2.422	2.071	14.5#	56	0.00
8		Bis(2-chloroethyl)ether	1.604	1.285	19.9	54	0.00
9		2-Chlorophenol	1.803	1.649	8.5	61	0.00
10		1,3-Dichlorobenzene	1.763	1.767	-0.2	68	0.00
11	C	1,4-Dichlorobenzene	1.762	1.759	0.2#	68	0.00
12		1,2-Dichlorobenzene	1.663	1.652	0.7	68	0.00
13		2- METHYLPHENOL	1.553	1.443	7.1	62	0.00
14		Bis(2-Chloroisopropyl)ether	2.989	2.310	22.7#	51	0.00
15		Acetophenone	2.276	2.071	9.0	61	0.00
16		3/4- METHYLPHENOL	1.733	1.576	9.1	62	0.00
17	P	N-Nitroso-Di-N-Propylamine	1.227	1.051	14.3	57	0.00
18		Hexachloroethane	0.704	0.662	6.0	65	0.00
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	63	0.00
20	S	Nitrobenzene-d5	0.431	0.415	3.7	60	0.00
21		NITROBENZENE	0.461	0.444	3.7	60	0.00
22		Isophorone	0.805	0.740	8.1	57	0.00
23	C	2-Nitrophenol	0.237	0.232	2.1#	60	0.00
24		2,4-Dimethylphenol	0.398	0.383	3.8	60	0.00
25		Bis(2-Chloroethoxy)methane	0.518	0.462	10.8	55	0.00
26		Benzoic Acid	0.281	0.294	-4.6	62	0.00
27	C	2,4-Dichlorophenol	0.364	0.359	1.4#	62	0.00
28		1,2,4-Trichlorobenzene	0.352	0.374	-6.3	66	0.00
29		Naphthalene	1.174	1.183	-0.8	64	0.00
30		4-Chloroaniline	0.417	0.391	6.2	57	0.00
31	C	Hexachlorobutadiene	0.179	0.197	-10.1#	70	0.00
32	C	4-Chloro-3-Methylphenol	0.402	0.375	6.7#	57	0.00
33		2-MethylNaphthalene	0.688	0.730	-6.1	66	0.00
34		1-Methylnaphthalene	0.756	0.742	1.9	62	0.00
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	63	0.00
36	S	2-Fluorobiphenyl	1.318	1.402	-6.4	67	0.00
37	S	2,4,6-Tribromophenol	0.175	0.205	-17.1	74	0.00
38	P	Hexachlorocyclopentadiene	0.345	0.370	-7.2	66	0.00
39		1,2,4,5-Tetrachlorobenzene	0.629	0.669	-6.4	67	0.00
40	C	2,4,6-Trichlorophenol	0.460	0.474	-3.0#	66	0.00
41		2,4,5-Trichlorophenol	0.463	0.506	-9.3	69	0.00
42		2-ChloroNaphthalene	1.561	1.695	-8.6	70	0.00
43		2-Nitroaniline	0.498	0.487	2.2	61	0.00
44		1,1-Biphenyl	1.614	1.701	-5.4	68	0.00
45		DIMETHYL PHTHALATE	1.647	1.617	1.8	63	0.00
46		2,6-DinitroToluene	0.344	0.363	-5.5	65	0.00
47		Acenaphthylene	2.188	2.243	-2.5	65	0.00
48		3-Nitroaniline	0.395	0.408	-3.3	62	0.00
49	C	Acenaphthene	1.373	1.450	-5.6#	68	0.00
50	P	2,4-Dinitrophenol	0.218	0.222	-1.8	62	0.00
51	P	4-Nitrophenol	0.246	0.245	0.4	61	0.00

Data Path : C:\msdchem\1\DATA\D041322\
Data File : D22S103002.D
Acq On : 13 Apr 2022 10:06 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 13 10:49:11 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52		Dibenzofuran	1.764	1.903	-7.9	69	0.00
53		2,4-Dinitrotoluene	0.460	0.497	-8.0	67	0.00
54		DIETHYL PHTHALATE	1.628	1.599	1.8	62	0.00
55		4-Chlorophenyl phenyl ether	0.725	0.745	-2.8	65	0.00
56		Flourene	1.465	1.528	-4.3	67	0.00
57		4-Nitroaniline	0.399	0.443	-11.0	70	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	65	0.00
59		4,6-Dinitro-2-Methylphenol	0.149	0.145	2.7	62	0.00
60	C	N-Nitrosodiphenylamine	0.693	0.667	3.8#	63	0.00
61		1,2-Diphenylhydrazine	0.939	0.838	10.8	57	0.00
62		4-Bromophenyl phenyl ether	0.224	0.222	0.9	64	0.00
63		Hexachlorobenzene	0.239	0.251	-5.0	69	0.00
64	C	Pentachlorophenol	0.158	0.163	-3.2#	66	0.00
65		Pentachloronitrobenzene	0.042	0.044	-4.8	67	0.00
66		Phenanthrene	1.236	1.247	-0.9	67	0.00
67		Anthracene	1.249	1.267	-1.4	67	0.00
68		Carbazole	1.204	1.245	-3.4	67	0.00
69		Di-N-Butyl Phthalate	1.654	1.572	5.0	61	0.00
70	C	Flouranthene	1.327	1.386	-4.4#	68	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	68	0.00
72	S	Terphenyl-d14	1.152	0.912	20.8#	52	0.00
73		Benzidine	0.239	0.128	46.4#	69	0.00
74		Pyrene	1.722	1.738	-0.9	68	0.00
75		Butylbenzyl phthalate	0.951	0.904	4.9	62	0.00
76		3,3'-Dichlorobenzidine	0.527	0.549	-4.2	66	0.00
77		Benzo(a)anthracene	1.544	1.607	-4.1	69	0.00
78		Chrysene	1.422	1.457	-2.5	69	0.00
79		Bis(2-ethylhexyl)phthalate	1.230	1.166	5.2	62	0.00
80	I	PERYLENE-D12	1.000	1.000	0.0	66	0.01
81	C	Di-n-octylphthalate	2.341	2.271	3.0#	61	0.00
82		Benzo(b)fluoranthene	1.509	1.594	-5.6	68	0.00
83		Benzo(k)fluoranthene	1.329	1.411	-6.2	69	0.00
84	C	Benzo(a)pyrene	1.309	1.388	-6.0#	68	0.01
85		Indeno(1,2,3-cd)pyrene	1.102	1.135	-3.0	63	0.01
86		Dibenz(a,h)anthracene	1.150	1.184	-3.0	63	0.01
87		Benzo(g,h,i)perylene	1.132	1.218	-7.6	66	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 13

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S104002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070384	Injection Date:	04/14/22
Lab Sample ID:	S070384-CCV1	Injection Time:	07:39

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	53.0	1.372946	1.455131		6.0	20	
Acenaphthylene	A	50.0	51.8	2.188014	2.268337		3.7	20	
Acetophenone	A	50.0	46.8	2.27581	2.128732		-6.5	20	
Aniline	A	50.0	39.1	0.8295499	0.6482214		-21.9	20	*
Anthracene	A	50.0	51.4	1.249074	1.284685		2.9	20	
Benzidine	A	50.0	30.2	0.2388729	0.1444683		-39.5	20	*
Benzo(a)anthracene	A	50.0	52.6	1.543954	1.622579		5.1	20	
Benzo(a)pyrene	A	50.0	53.8	1.308666	1.407181		7.5	20	
Benzo(b)fluoranthene	A	50.0	57.4	1.509432	1.731878		14.7	20	
Benzo(g,h,i)perylene	A	50.0	52.5	1.131917	1.188163		5.0	20	
Benzo(k)fluoranthene	A	50.0	56.6	1.329068	1.504529		13.2	20	
Benzoic Acid	A	50.0	53.5	0.2813486	0.3011357		7.0	20	
Bis(2-chloroethoxy)methane	A	50.0	46.0	0.5181659	0.4766977		-8.0	20	
Bis(2-chloroethyl)ether	A	50.0	41.8	1.603576	1.340443		-16.4	20	
Bis(2-chloroisopropyl)ether	A	50.0	41.1	2.989072	2.455692		-17.8	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	49.0	1.229657	1.206019		-1.9	20	
4-Bromophenylphenylether	A	50.0	49.6	0.2243946	0.2228245		-0.7	20	
Butylbenzylphthalate	A	50.0	48.8	0.9513588	0.9290456		-2.3	20	
Carbazole	A	50.0	52.3	1.204311	1.25885		4.5	20	
4-Chloroaniline	A	50.0	50.4	0.4167645	0.4199546		0.8	20	
4-Chloro-3-methylphenol	A	50.0	49.0	0.4023861	0.3946682		-1.9	20	
2-Chloronaphthalene	A	50.0	50.2	1.560881	1.56807		0.5	20	
2-Chlorophenol	A	50.0	45.6	1.803142	1.643282		-8.9	20	
4-Chlorophenylphenylether	A	50.0	51.8	0.7253942	0.7522636		3.7	20	
Chrysene	A	50.0	51.2	1.422249	1.455276		2.3	20	
Dibenz(a,h)anthracene	A	50.0	51.3	1.149626	1.179627		2.6	20	
Dibenzofuran	A	50.0	53.6	1.764101	1.892919		7.3	20	
Di-n-butylphthalate	A	50.0	48.6	1.65418	1.607326		-2.8	20	
1,2-Dichlorobenzene	A	50.0	49.6	1.662722	1.650233		-0.8	20	
1,3-Dichlorobenzene	A	50.0	50.2	1.762837	1.769784		0.4	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S104002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070384	Injection Date:	04/14/22
Lab Sample ID:	S070384-CCV1	Injection Time:	07:39

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	50.2	1.761675	1.768682		0.4	20
3,3-Dichlorobenzidine	A	50.0	52.8	0.526821	0.556306		5.6	20
2,4-Dichlorophenol	A	50.0	50.2	0.3639342	0.3651509		0.3	20
Diethylphthalate	A	50.0	49.5	1.628092	1.612995		-0.9	20
2,4-Dimethylphenol	A	50.0	48.8	0.3977545	0.3883668		-2.4	20
Dimethylphthalate	A	50.0	49.0	1.646667	1.61462		-1.9	20
4,6-Dinitro-2-methylphenol	A	50.0	47.5	0.1491476	0.1416051		-5.1	20
2,4-Dinitrophenol	A	50.0	48.9	0.2184121	0.213453		-2.3	20
2,4-Dinitrotoluene	A	50.0	54.2	0.4597808	0.4983359		8.4	20
2,6-Dinitrotoluene	A	50.0	53.6	0.343774	0.3681631		7.1	20
Di-n-octylphthalate	A	50.0	58.5	2.341219	2.737733		16.9	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	47.2	0.9394326	0.886611		-5.6	20
Fluoranthene	A	50.0	52.5	1.326594	1.393748		5.1	20
Fluorene	A	50.0	53.2	1.46524	1.557565		6.3	20
Hexachlorobenzene	A	50.0	50.9	0.2393112	0.2437573		1.9	20
Hexachlorobutadiene	A	50.0	53.2	0.1792408	0.1906064		6.3	20
Hexachlorocyclopentadiene	A	50.0	49.6	0.3446344	0.3416721		-0.9	20
Hexachloroethane	A	50.0	47.7	0.7036808	0.6709878		-4.6	20
Indeno(1,2,3-cd)pyrene	A	50.0	52.2	1.10209	1.149687		4.3	20
Isophorone	A	50.0	48.0	0.8047004	0.7721466		-4.0	20
1-Methylnaphthalene	A	50.0	49.8	0.7560757	0.7534408		-0.3	20
2-Methylnaphthalene	A	50.0	53.0	0.6884755	0.7299195		6.0	20
2-Methylphenol	A	50.0	47.3	1.553194	1.468258		-5.5	20
3/4-Methylphenol	A	100	94.4	1.732615	1.634984		-5.6	20
Naphthalene	A	50.0	50.8	1.173781	1.191953		1.5	20
2-Nitroaniline	A	50.0	52.9	0.4975792	0.5268428		5.9	20
3-Nitroaniline	A	50.0	54.7	0.3949801	0.4319061		9.3	20
4-Nitroaniline	A	50.0	55.8	0.3994338	0.4461699		11.7	20
Nitrobenzene	A	50.0	50.2	0.4607835	0.4629855		0.5	20
2-Nitrophenol	A	50.0	49.0	0.2370074	0.2323107		-2.0	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S104002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070384	Injection Date:	04/14/22
Lab Sample ID:	S070384-CCV1	Injection Time:	07:39

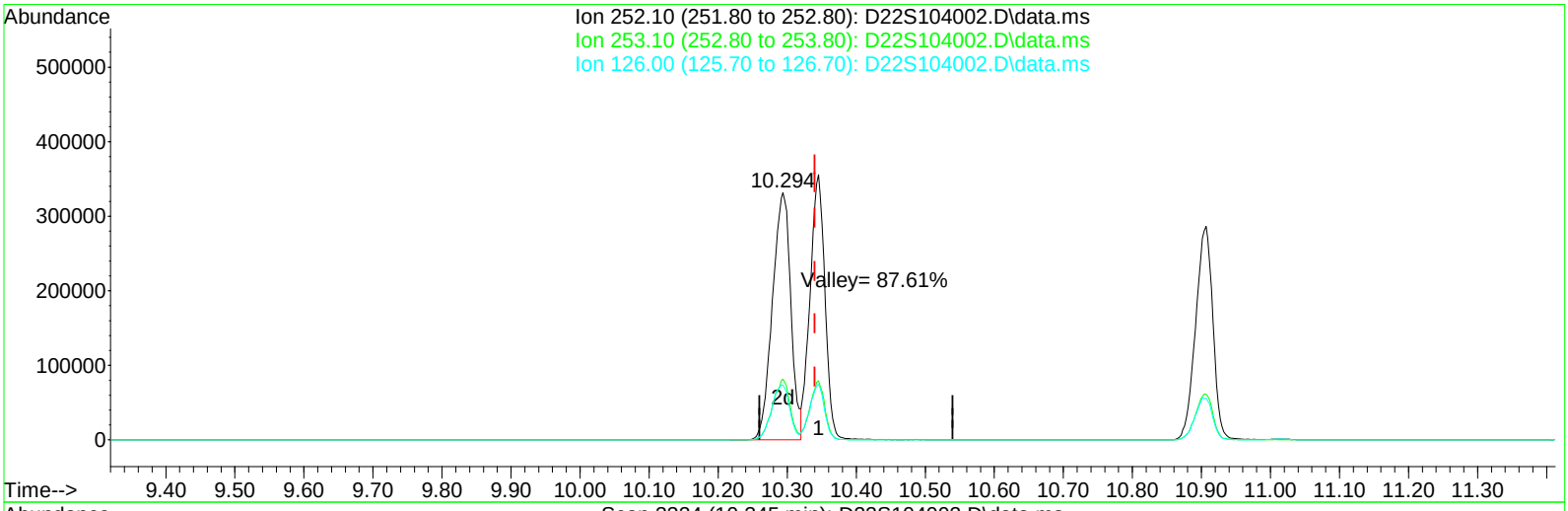
		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	51.4	0.2463673	0.2533468		2.8	20
N-Nitrosodimethylamine	A	50.0	46.5	1.074008	0.9990696		-7.0	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.4	0.6910872	0.6704323		-3.0	20
N-Nitrosodi-n-propylamine	A	50.0	45.2	1.226752	1.10942		-9.6	20
Pentachloronitrobenzene	A	50.0	49.8	0.0419468	4.181136E-02		-0.3	20
Pentachlorophenol	A	50.0	51.0	0.1578667	0.1610185		2.0	20
Phenanthrene	A	50.0	51.1	1.236176	1.262962		2.2	20
Phenol	A	50.0	44.4	2.421806	2.147961		-11.3	20
Pyrene	A	50.0	51.7	1.721838	1.781328		3.5	20
Pyridine	A	50.0	47.5	1.958957	1.86204		-4.9	20
1,2,4,5-Tetrachlorobenzene	A	50.0	51.6	0.628622	0.6486752		3.2	20
1,2,4-Trichlorobenzene	A	50.0	53.0	0.3522996	0.3737739		6.1	20
2,4,5-Trichlorophenol	A	50.0	54.5	0.4631444	0.5052137		9.1	20
2,4,6-Trichlorophenol	A	50.0	50.9	0.4596459	0.4676539		1.7	20
2-Fluorophenol	A	100	98.1	1.242874	1.21886		-1.9	
Phenol-d6	A	100	95.9	2.00858	1.927086		-4.1	
Nitrobenzene-d5	A	50.0	50.1	0.43051	0.4312496		0.2	
2-Fluorobiphenyl	A	50.0	53.0	1.317574	1.39588		5.9	
2,4,6-Tribromophenol	A	100	115	0.1751175	0.2011359		14.9	
p-Terphenyl-d14	A	50.0	39.9	1.152304	0.9204647		-20.1	

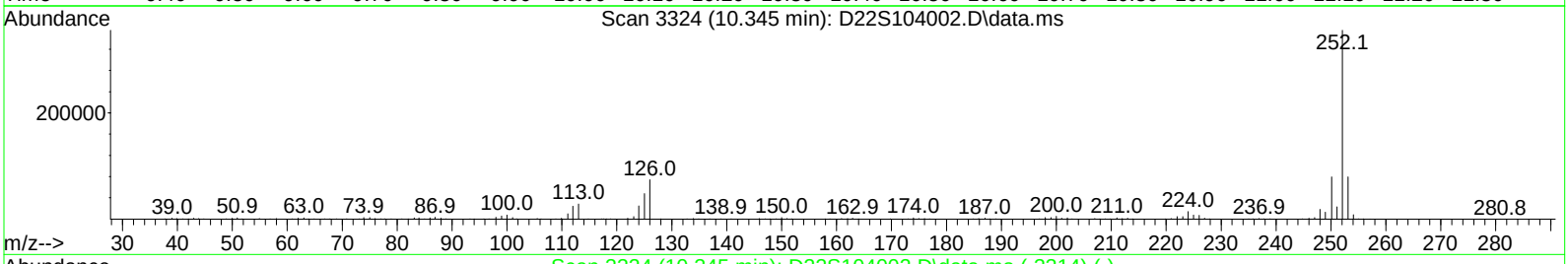
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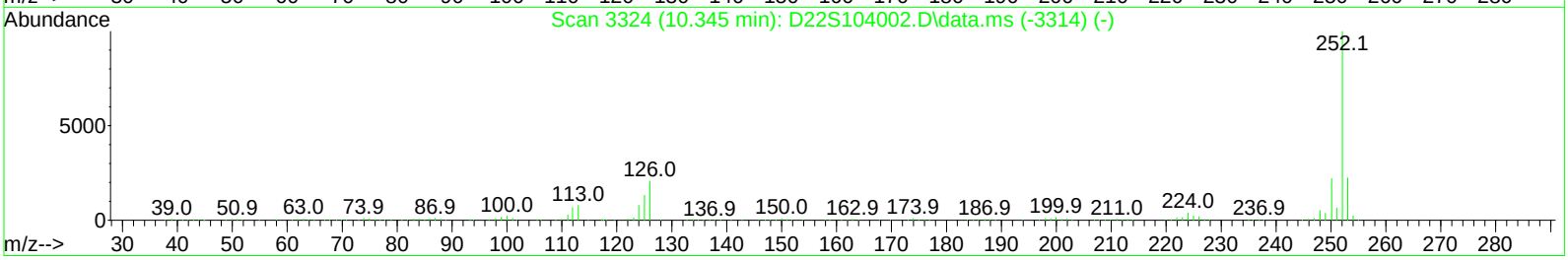
* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration







TIC: D22S104002.D\data.ms

(83) Benzo(k)fluoranthene

10.345min (+0.005) 56.60 ug/ml

response 531612

Ion	Exp%	Act%
252.10	100	100
253.10	22.00	22.33
126.00	24.30	20.96
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	116944	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	426949	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	231354	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	428075	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	351014	40.00	ug/ml	0.00
80) PERYLENE-D12	11.015	264	282673	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	356346	98.07	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 49.03%			
3) Phenol-d6	3.115	99	563403	95.94	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.97%			
20) Nitrobenzene-d5	3.638	82	230152	50.09	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.09%			
36) 2-Fluorobiphenyl	4.707	172	403678	52.97	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.97%			
37) 2,4,6-Tribromophenol	5.623	330	116334	114.86	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.43%			
72) Terphenyl-d14	7.253	244	403870	39.94	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.94%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.044	42	146044	46.51	ug/ml	95
5) Pyridine	2.070	79	272193	47.53	ug/ml	98
6) Aniline	3.151	66	94757	39.07	ug/ml	95
7) Phenol	3.123	94	313989	44.35	ug/ml	95
8) Bis(2-chloroethyl)ether	3.172	63	195946	41.80	ug/ml	97
9) 2-Chlorophenol	3.221	128	240215	45.57	ug/ml	98
10) 1,3-Dichlorobenzene	3.303	146	258707	50.20	ug/ml	99
11) 1,4-Dichlorobenzene	3.339	146	258546	50.20	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	241231	49.62	ug/ml	100
13) 2- METHYLPHENOL	3.453	108	214630	47.27	ug/ml	87
14) Bis(2-Chloroisopropyl)...	3.466	45	358973	41.08	ug/ml#	73
15) Acetophenone	3.545	105	311178	46.77	ug/ml	100
16) 3/4- METHYLPHENOL	3.538	107	478004	94.37	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	3.540	70	162175	45.22	ug/ml	98
18) Hexachloroethane	3.617	117	98085	47.68	ug/ml	93
21) NITROBENZENE	3.648	77	247089	50.24	ug/ml	100
22) Isophorone	3.780	82	412084	47.98	ug/ml	99
23) 2-Nitrophenol	3.831	139	123981	49.01	ug/ml	98
24) 2,4-Dimethylphenol	3.844	122	207266	48.82	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.896	93	254407	46.00	ug/ml	99
26) Benzoic Acid	3.898	122	160712	53.52	ug/ml	99
27) 2,4-Dichlorophenol	3.975	162	194876	50.17	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.024	180	199478	53.05	ug/ml	100
29) Naphthalene	4.076	128	636129	50.77	ug/ml	99
30) 4-Chloroaniline	4.099	127	224124	50.38	ug/ml	99
31) Hexachlorobutadiene	4.140	225	101724	53.17	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.387	107	210629	49.04	ug/ml	100
33) 2-MethylNaphthalene	4.490	142	389548	53.01	ug/ml	99
34) 1-Methylnaphthalene	4.550	142	402101	49.83	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	98809	49.57	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	187592	51.60	ug/ml	100
40) 2,4,6-Trichlorophenol	4.660	196	135242	50.87	ug/ml	99
41) 2,4,5-Trichlorophenol	4.689	196	146104	54.54	ug/ml	98
42) 2-ChloroNaphthalene	4.789	162	453474	50.23	ug/ml	100

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.846	65	152359	52.94	ug/ml	99
44) 1,1-Biphenyl	4.771	154	488486	52.34	ug/ml	98
45) DIMETHYL PHTHALATE	4.949	163	466936	49.03	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	106470	53.55	ug/ml	98
47) Acenaphthylene	5.046	152	655986	51.84	ug/ml	100
48) 3-Nitroaniline	5.098	138	124904	54.67	ug/ml	99
49) Acenaphthene	5.152	154	420813	52.99	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	61729	48.86	ug/ml#	78
51) 4-Nitrophenol	5.201	109	73266	51.42	ug/ml	94
52) Dibenzofuran	5.258	168	547418	53.65	ug/ml	98
53) 2,4-Dinitrotoluene	5.240	165	144115	54.19	ug/ml	97
54) DIETHYL PHTHALATE	5.381	149	466466	49.54	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.461	204	217549	51.85	ug/ml	100
56) Flourene	5.471	166	450436	53.15	ug/ml	99
57) 4-Nitroaniline	5.479	138	129029	55.85	ug/ml	96
59) 4,6-Dinitro-2-Methylph...	5.497	198	75772	47.47	ug/ml	93
60) N-Nitrosodiphenylamine	5.536	169	307085	41.40	ug/ml	98
61) 1,2-Diphenylhydrazine	5.561	77	474420	47.19	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.767	248	119232	49.65	ug/ml	99
63) Hexachlorobenzene	5.814	284	130433	50.93	ug/ml	99
64) Pentachlorophenol	5.937	266	86160	51.00	ug/ml	98
65) Pentachloronitrobenzene	5.942	295	22373	49.84	ug/ml	93
66) Phenanthrene	6.071	178	675803	51.08	ug/ml	100
67) Anthracene	6.105	178	687427	51.43	ug/ml	100
68) Carbazole	6.203	167	673603	52.26	ug/ml	100
69) Di-N-Butyl Phthalate	6.414	149	860070	48.58	ug/ml	100
70) Flouranthene	6.923	202	745786	52.53	ug/ml	97
73) Benzidine	7.021	184	63388	30.24	ug/ml	95
74) Pyrene	7.127	202	781589	51.73	ug/ml	100
75) Butylbenzyl phthalate	7.765	149	407635	48.83	ug/ml	97
76) 3,3'-Dichlorobenzidine	8.461	252	244089	52.80	ug/ml	99
77) Benzo(a)anthracene	8.499	228	711935	52.55	ug/ml	99
78) Chrysene	8.551	228	638528	51.16	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.556	149	529162	49.04	ug/ml	99
81) Di-n-octylphthalate	9.676	149	967354	58.47	ug/ml	97
82) Benzo(b)fluoranthene	10.294	252	611944	57.37	ug/ml	97
83) Benzo(k)fluoranthene	10.345	252	531612	56.60	ug/ml	96
84) Benzo(a)pyrene	10.907	252	497215	53.76	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.943	276	406232	52.16	ug/ml	94
86) Dibenz(a,h)anthracene	12.992	278	416811	51.30	ug/ml	96
87) Benzo(g,h,i)perylene	13.332	276	419827	52.48	ug/ml	93

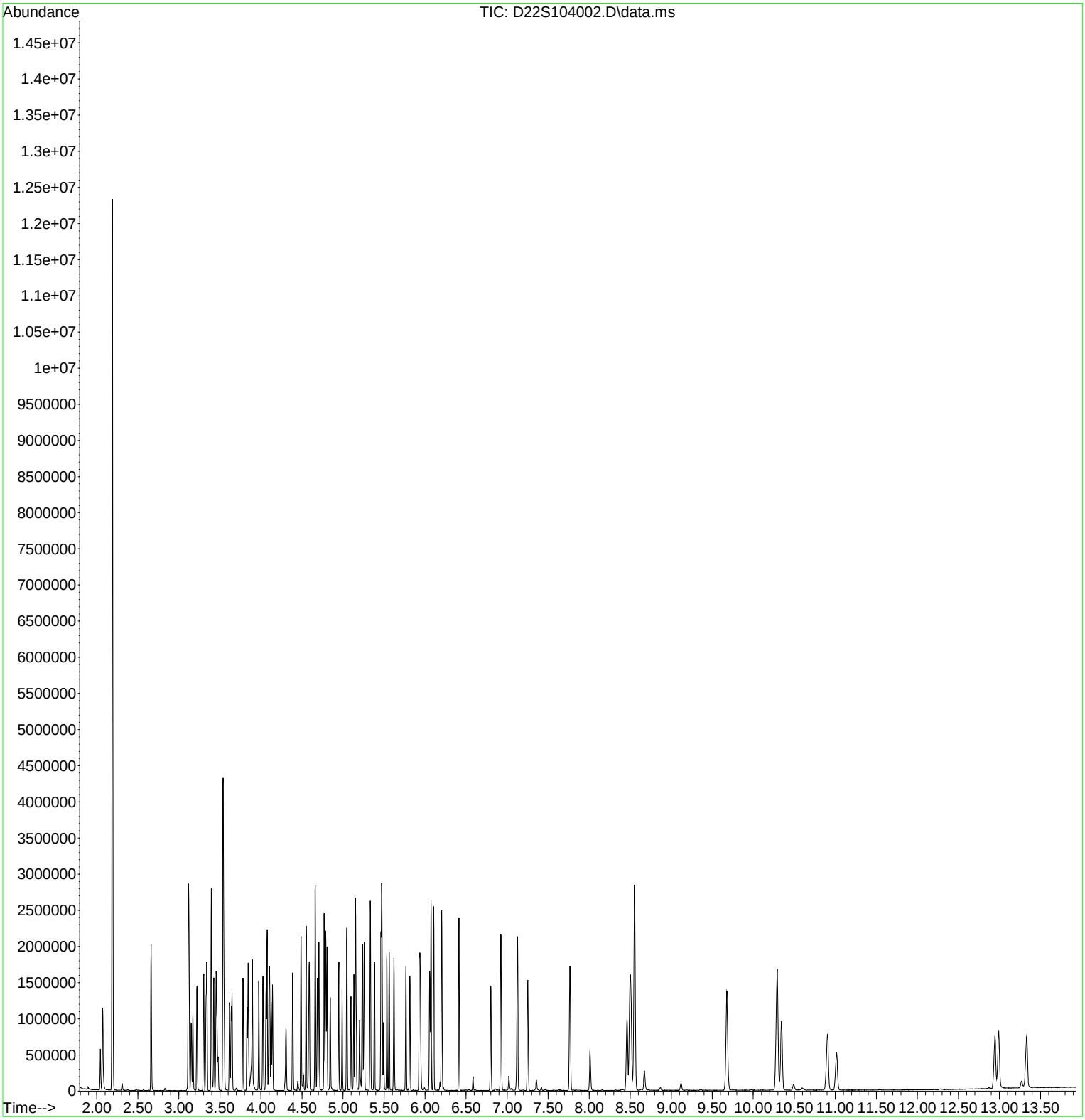
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

842

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	68	0.00
2	S	2-Fluorophenol	100.000	98.068	1.9	64	0.00
3	S	Phenol-d6	100.000	95.943	4.1	62	0.00
4		N-Nitrosodimethylamine	50.000	46.511	7.0	61	0.00
5		Pyridine	50.000	47.526	4.9	62	0.00
6		Aniline	50.000	39.071	21.9#	60	0.00
7	C	Phenol	50.000	44.346	11.3#	58	0.00
8		Bis(2-chloroethyl)ether	50.000	41.795	16.4	56	0.00
9		2-Chlorophenol	50.000	45.567	8.9	61	0.00
10		1,3-Dichlorobenzene	50.000	50.197	-0.4	69	0.00
11	C	1,4-Dichlorobenzene	50.000	50.199	-0.4#	69	0.00
12		1,2-Dichlorobenzene	50.000	49.624	0.8	68	0.00
13		2- METHYLPHENOL	50.000	47.266	5.5	63	0.00
14		Bis(2-Chloroisopropyl)ether	50.000	41.078	17.8	54	0.00
15		Acetophenone	50.000	46.769	6.5	63	0.00
16		3/4- METHYLPHENOL	100.000	94.365	5.6	64	0.00
17	P	N-Nitroso-Di-N-Propylamine	50.000	45.218	9.6	60	0.00
18		Hexachloroethane	50.000	47.677	4.6	66	0.00
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	63	0.00
20	S	Nitrobenzene-d5	50.000	50.086	-0.2	63	0.00
21		NITROBENZENE	50.000	50.239	-0.5	63	0.00
22		Isophorone	50.000	47.977	4.0	59	0.00
23	C	2-Nitrophenol	50.000	49.009	2.0#	60	0.00
24		2,4-Dimethylphenol	50.000	48.820	2.4	61	0.00
25		Bis(2-Chloroethoxy)methane	50.000	45.999	8.0	57	0.00
26		Benzoic Acid	50.000	53.516	-7.0	64	0.00
27	C	2,4-Dichlorophenol	50.000	50.167	-0.3#	63	0.00
28		1,2,4-Trichlorobenzene	50.000	53.048	-6.1	66	0.00
29		Naphthalene	50.000	50.774	-1.5	65	0.00
30		4-Chloroaniline	50.000	50.383	-0.8	61	0.00
31	C	Hexachlorobutadiene	50.000	53.170	-6.3#	68	0.00
32	C	4-Chloro-3-Methylphenol	50.000	49.041	1.9#	60	0.00
33		2-MethylNaphthalene	50.000	53.010	-6.0	67	0.00
34		1-Methylnaphthalene	50.000	49.826	0.3	63	0.00
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	64	0.00
36	S	2-Fluorobiphenyl	50.000	52.972	-5.9	68	0.00
37	S	2,4,6-Tribromophenol	100.000	114.858	-14.9	74	0.00
38	P	Hexachlorocyclopentadiene	50.000	49.570	0.9	62	0.00
39		1,2,4,5-Tetrachlorobenzene	50.000	51.595	-3.2	66	0.00
40	C	2,4,6-Trichlorophenol	50.000	50.871	-1.7#	66	0.00
41		2,4,5-Trichlorophenol	50.000	54.542	-9.1	70	0.00
42		2-ChloroNaphthalene	50.000	50.230	-0.5	66	0.00
43		2-Nitroaniline	50.000	52.941	-5.9	67	0.00
44		1,1-Biphenyl	50.000	52.338	-4.7	68	0.00
45		DIMETHYL PHTHALATE	50.000	49.027	1.9	64	0.00
46		2,6-DinitroToluene	50.000	53.547	-7.1	67	0.00
47		Acenaphthylene	50.000	51.836	-3.7	67	0.00
48		3-Nitroaniline	50.000	54.674	-9.3	66	0.00
49	C	Acenaphthene	50.000	52.993	-6.0#	69	0.00
50	P	2,4-Dinitrophenol	50.000	48.865	2.3	61	0.00
51	P	4-Nitrophenol	50.000	51.416	-2.8	64	0.00

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		Dibenzofuran	50.000	53.651	-7.3	70	0.00
53		2,4-Dinitrotoluene	50.000	54.193	-8.4	68	0.00
54		DIETHYL PHTHALATE	50.000	49.536	0.9	63	0.00
55		4-Chlorophenyl phenyl ether	50.000	51.852	-3.7	66	0.00
56		Flourene	50.000	53.150	-6.3	70	0.00
57		4-Nitroaniline	50.000	55.850	-11.7	72	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	67	0.00
59		4,6-Dinitro-2-Methylphenol	50.000	47.471	5.1	62	0.00
60	C	N-Nitrosodiphenylamine	42.680	41.399	3.0#	65	0.00
61		1,2-Diphenylhydrazine	50.000	47.189	5.6	62	0.00
62		4-Bromophenyl phenyl ether	50.000	49.650	0.7	66	0.00
63		Hexachlorobenzene	50.000	50.929	-1.9	69	0.00
64	C	Pentachlorophenol	50.000	50.998	-2.0#	66	0.00
65		Pentachloronitrobenzene	50.000	49.839	0.3	66	0.00
66		Phenanthrene	50.000	51.083	-2.2	70	0.00
67		Anthracene	50.000	51.425	-2.8	70	0.00
68		Carbazole	50.000	52.264	-4.5	70	0.00
69		Di-N-Butyl Phthalate	50.000	48.584	2.8	64	0.00
70	C	Flouranthene	50.000	52.531	-5.1#	70	0.00
71	I	CHRYSENE-D12	40.000	40.000	0.0	68	0.00
72	S	Terphenyl-d14	50.000	39.940	20.1#	52	0.00
73		Benzidine	50.000	30.240	39.5#	78	0.00
74		Pyrene	50.000	51.728	-3.5	70	0.00
75		Butylbenzyl phthalate	50.000	48.827	2.3	64	0.00
76		3,3'-Dichlorobenzidine	50.000	52.798	-5.6	67	0.00
77		Benzo(a)anthracene	50.000	52.546	-5.1	70	0.00
78		Chrysene	50.000	51.161	-2.3	69	0.00
79		Bis(2-ethylhexyl)phthalate	50.000	49.039	1.9	65	0.00
80	I	PERYLENE-D12	40.000	40.000	0.0	56	0.00
81	C	Di-n-octylphthalate	50.000	58.468	-16.9#	63	0.00
82		Benzo(b)fluoranthene	50.000	57.369	-14.7	63	0.00
83		Benzo(k)fluoranthene	50.000	56.601	-13.2	63	0.00
84	C	Benzo(a)pyrene	50.000	53.764	-7.5#	59	0.00
85		Indeno(1,2,3-cd)pyrene	50.000	52.159	-4.3	55	0.00
86		Dibenz(a,h)anthracene	50.000	51.305	-2.6	54	0.00
87		Benzo(g,h,i)perylene	50.000	52.485	-5.0	55	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 13

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	68	0.00
2	S	2-Fluorophenol	1.243	1.219	1.9	64	0.00
3	S	Phenol-d6	2.009	1.927	4.1	62	0.00
4		N-Nitrosodimethylamine	1.074	0.999	7.0	61	0.00
5		Pyridine	1.959	1.862	5.0	62	0.00
6		Aniline	0.830	0.648	21.9#	60	0.00
7	C	Phenol	2.422	2.148	11.3#	58	0.00
8		Bis(2-chloroethyl)ether	1.604	1.340	16.5	56	0.00
9		2-Chlorophenol	1.803	1.643	8.9	61	0.00
10		1,3-Dichlorobenzene	1.763	1.770	-0.4	69	0.00
11	C	1,4-Dichlorobenzene	1.762	1.769	-0.4#	69	0.00
12		1,2-Dichlorobenzene	1.663	1.650	0.8	68	0.00
13		2- METHYLPHENOL	1.553	1.468	5.5	63	0.00
14		Bis(2-Chloroisopropyl)ether	2.989	2.456	17.8	54	0.00
15		Acetophenone	2.276	2.129	6.5	63	0.00
16		3/4- METHYLPHENOL	1.733	1.635	5.7	64	0.00
17	P	N-Nitroso-Di-N-Propylamine	1.227	1.109	9.6	60	0.00
18		Hexachloroethane	0.704	0.671	4.7	66	0.00
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	63	0.00
20	S	Nitrobenzene-d5	0.431	0.431	0.0	63	0.00
21		NITROBENZENE	0.461	0.463	-0.4	63	0.00
22		Isophorone	0.805	0.772	4.1	59	0.00
23	C	2-Nitrophenol	0.237	0.232	2.1#	60	0.00
24		2,4-Dimethylphenol	0.398	0.388	2.5	61	0.00
25		Bis(2-Chloroethoxy)methane	0.518	0.477	7.9	57	0.00
26		Benzoic Acid	0.281	0.301	-7.1	64	0.00
27	C	2,4-Dichlorophenol	0.364	0.365	-0.3#	63	0.00
28		1,2,4-Trichlorobenzene	0.352	0.374	-6.3	66	0.00
29		Naphthalene	1.174	1.192	-1.5	65	0.00
30		4-Chloroaniline	0.417	0.420	-0.7	61	0.00
31	C	Hexachlorobutadiene	0.179	0.191	-6.7#	68	0.00
32	C	4-Chloro-3-Methylphenol	0.402	0.395	1.7#	60	0.00
33		2-MethylNaphthalene	0.688	0.730	-6.1	67	0.00
34		1-Methylnaphthalene	0.756	0.753	0.4	63	0.00
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	64	0.00
36	S	2-Fluorobiphenyl	1.318	1.396	-5.9	68	0.00
37	S	2,4,6-Tribromophenol	0.175	0.201	-14.9	74	0.00
38	P	Hexachlorocyclopentadiene	0.345	0.342	0.9	62	0.00
39		1,2,4,5-Tetrachlorobenzene	0.629	0.649	-3.2	66	0.00
40	C	2,4,6-Trichlorophenol	0.460	0.468	-1.7#	66	0.00
41		2,4,5-Trichlorophenol	0.463	0.505	-9.1	70	0.00
42		2-ChloroNaphthalene	1.561	1.568	-0.4	66	0.00
43		2-Nitroaniline	0.498	0.527	-5.8	67	0.00
44		1,1-Biphenyl	1.614	1.689	-4.6	68	0.00
45		DIMETHYL PHTHALATE	1.647	1.615	1.9	64	0.00
46		2,6-DinitroToluene	0.344	0.368	-7.0	67	0.00
47		Acenaphthylene	2.188	2.268	-3.7	67	0.00
48		3-Nitroaniline	0.395	0.432	-9.4	66	0.00
49	C	Acenaphthene	1.373	1.455	-6.0#	69	0.00
50	P	2,4-Dinitrophenol	0.218	0.213	2.3	61	0.00
51	P	4-Nitrophenol	0.246	0.253	-2.8	64	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104002.D
Acq On : 14 Apr 2022 7:39 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 14 08:06:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52		Dibenzofuran	1.764	1.893	-7.3	70	0.00
53		2,4-Dinitrotoluene	0.460	0.498	-8.3	68	0.00
54		DIETHYL PHTHALATE	1.628	1.613	0.9	63	0.00
55		4-Chlorophenyl phenyl ether	0.725	0.752	-3.7	66	0.00
56		Flourene	1.465	1.558	-6.3	70	0.00
57		4-Nitroaniline	0.399	0.446	-11.8	72	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	67	0.00
59		4,6-Dinitro-2-Methylphenol	0.149	0.142	4.7	62	0.00
60	C	N-Nitrosodiphenylamine	0.693	0.672	3.0#	65	0.00
61		1,2-Diphenylhydrazine	0.939	0.887	5.5	62	0.00
62		4-Bromophenyl phenyl ether	0.224	0.223	0.4	66	0.00
63		Hexachlorobenzene	0.239	0.244	-2.1	69	0.00
64	C	Pentachlorophenol	0.158	0.161	-1.9#	66	0.00
65		Pentachloronitrobenzene	0.042	0.042	0.0	66	0.00
66		Phenanthrene	1.236	1.263	-2.2	70	0.00
67		Anthracene	1.249	1.285	-2.9	70	0.00
68		Carbazole	1.204	1.259	-4.6	70	0.00
69		Di-N-Butyl Phthalate	1.654	1.607	2.8	64	0.00
70	C	Flouranthene	1.327	1.394	-5.0#	70	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	68	0.00
72	S	Terphenyl-d14	1.152	0.920	20.1#	52	0.00
73		Benzidine	0.239	0.144	39.7#	78	0.00
74		Pyrene	1.722	1.781	-3.4	70	0.00
75		Butylbenzyl phthalate	0.951	0.929	2.3	64	0.00
76		3,3'-Dichlorobenzidine	0.527	0.556	-5.5	67	0.00
77		Benzo(a)anthracene	1.544	1.623	-5.1	70	0.00
78		Chrysene	1.422	1.455	-2.3	69	0.00
79		Bis(2-ethylhexyl)phthalate	1.230	1.206	2.0	65	0.00
80	I	PERYLENE-D12	1.000	1.000	0.0	56	0.00
81	C	Di-n-octylphthalate	2.341	2.738	-17.0#	63	0.00
82		Benzo(b)fluoranthene	1.509	1.732	-14.8	63	0.00
83		Benzo(k)fluoranthene	1.329	1.505	-13.2	63	0.00
84	C	Benzo(a)pyrene	1.309	1.407	-7.5#	59	0.00
85		Indeno(1,2,3-cd)pyrene	1.102	1.150	-4.4	55	0.00
86		Dibenz(a,h)anthracene	1.150	1.180	-2.6	54	0.00
87		Benzo(g,h,i)perylene	1.132	1.188	-4.9	55	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 13

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S104013.D	Calibration Date:	04/04/22 08:41
Sequence:	S070405	Injection Date:	04/14/22
Lab Sample ID:	S070405-CCV1	Injection Time:	12:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	53.0	1.372946	1.455462		6.0	20	
Acenaphthylene	A	50.0	51.7	2.188014	2.263239		3.4	20	
Acetophenone	A	50.0	47.0	2.27581	2.139209		-6.0	20	
Aniline	A	50.0	39.9	0.8295499	0.6618316		-20.2	20	*
Anthracene	A	50.0	51.3	1.249074	1.281591		2.6	20	
Benzidine	A	50.0	26.0	0.2388729	0.1242843		-48.0	20	*
Benzo(a)anthracene	A	50.0	52.3	1.543954	1.613933		4.5	20	
Benzo(a)pyrene	A	50.0	53.3	1.308666	1.395916		6.7	20	
Benzo(b)fluoranthene	A	50.0	53.5	1.509432	1.615592		7.0	20	
Benzo(g,h,i)perylene	A	50.0	57.1	1.131917	1.292966		14.2	20	
Benzo(k)fluoranthene	A	50.0	54.2	1.329068	1.440369		8.4	20	
Benzoic Acid	A	50.0	52.9	0.2813486	0.2976122		5.8	20	
Bis(2-chloroethoxy)methane	A	50.0	47.0	0.5181659	0.4867023		-6.1	20	
Bis(2-chloroethyl)ether	A	50.0	41.9	1.603576	1.343297		-16.2	20	
Bis(2-chloroisopropyl)ether	A	50.0	40.7	2.989072	2.432301		-18.6	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	49.2	1.229657	1.209132		-1.7	20	
4-Bromophenylphenylether	A	50.0	49.2	0.2243946	0.220692		-1.7	20	
Butylbenzylphthalate	A	50.0	48.6	0.9513588	0.9251033		-2.8	20	
Carbazole	A	50.0	52.8	1.204311	1.272796		5.7	20	
4-Chloroaniline	A	50.0	49.7	0.4167645	0.4140247		-0.7	20	
4-Chloro-3-methylphenol	A	50.0	49.0	0.4023861	0.3943209		-2.0	20	
2-Chloronaphthalene	A	50.0	52.0	1.560881	1.624414		4.1	20	
2-Chlorophenol	A	50.0	45.9	1.803142	1.655574		-8.2	20	
4-Chlorophenylphenylether	A	50.0	51.8	0.7253942	0.7508116		3.5	20	
Chrysene	A	50.0	51.5	1.422249	1.464511		3.0	20	
Dibenz(a,h)anthracene	A	50.0	54.8	1.149626	1.261047		9.7	20	
Dibenzofuran	A	50.0	54.5	1.764101	1.922896		9.0	20	
Di-n-butylphthalate	A	50.0	49.3	1.65418	1.631592		-1.4	20	
1,2-Dichlorobenzene	A	50.0	48.9	1.662722	1.626541		-2.2	20	
1,3-Dichlorobenzene	A	50.0	49.4	1.762837	1.742158		-1.2	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S104013.D	Calibration Date:	04/04/22 08:41
Sequence:	S070405	Injection Date:	04/14/22
Lab Sample ID:	S070405-CCV1	Injection Time:	12:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	49.4	1.761675	1.74022		-1.2	20
3,3-Dichlorobenzidine	A	50.0	51.8	0.526821	0.5458366		3.6	20
2,4-Dichlorophenol	A	50.0	49.9	0.3639342	0.3630366		-0.2	20
Diethylphthalate	A	50.0	50.7	1.628092	1.650236		1.4	20
2,4-Dimethylphenol	A	50.0	49.2	0.3977545	0.3912088		-1.6	20
Dimethylphthalate	A	50.0	50.2	1.646667	1.652603		0.4	20
4,6-Dinitro-2-methylphenol	A	50.0	49.8	0.1491476	0.1485659		-0.4	20
2,4-Dinitrophenol	A	50.0	51.8	0.2184121	0.2263844		3.7	20
2,4-Dinitrotoluene	A	50.0	56.5	0.4597808	0.5195507		13.0	20
2,6-Dinitrotoluene	A	50.0	53.6	0.343774	0.3687924		7.3	20
Di-n-octylphthalate	A	50.0	50.5	2.341219	2.363816		1.0	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	47.3	0.9394326	0.8881754		-5.5	20
Fluoranthene	A	50.0	53.3	1.326594	1.413349		6.5	20
Fluorene	A	50.0	53.1	1.46524	1.556071		6.2	20
Hexachlorobenzene	A	50.0	50.6	0.2393112	0.2421341		1.2	20
Hexachlorobutadiene	A	50.0	53.2	0.1792408	0.1907859		6.4	20
Hexachlorocyclopentadiene	A	50.0	52.2	0.3446344	0.3600312		4.5	20
Hexachloroethane	A	50.0	47.0	0.7036808	0.6619835		-5.9	20
Indeno(1,2,3-cd)pyrene	A	50.0	56.0	1.10209	1.233166		11.9	20
Isophorone	A	50.0	48.9	0.8047004	0.7876065		-2.1	20
1-Methylnaphthalene	A	50.0	49.1	0.7560757	0.7431371		-1.7	20
2-Methylnaphthalene	A	50.0	53.0	0.6884755	0.7292722		5.9	20
2-Methylphenol	A	50.0	47.3	1.553194	1.467979		-5.5	20
3/4-Methylphenol	A	100	93.9	1.732615	1.626963		-6.1	20
Naphthalene	A	50.0	50.8	1.173781	1.192452		1.6	20
2-Nitroaniline	A	50.0	54.5	0.4975792	0.5427163		9.1	20
3-Nitroaniline	A	50.0	55.6	0.3949801	0.438965		11.1	20
4-Nitroaniline	A	50.0	57.8	0.3994338	0.4617868		15.6	20
Nitrobenzene	A	50.0	50.6	0.4607835	0.4667127		1.3	20
2-Nitrophenol	A	50.0	49.4	0.2370074	0.2340063		-1.3	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S104013.D	Calibration Date:	04/04/22 08:41
Sequence:	S070405	Injection Date:	04/14/22
Lab Sample ID:	S070405-CCV1	Injection Time:	12:50

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	54.2	0.2463673	0.2668234		8.3	20
N-Nitrosodimethylamine	A	50.0	46.6	1.074008	1.001136		-6.8	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.4	0.6910872	0.6701214		-3.0	20
N-Nitrosodi-n-propylamine	A	50.0	45.2	1.226752	1.107764		-9.7	20
Pentachloronitrobenzene	A	50.0	51.3	0.0419468	4.302987E-02		2.6	20
Pentachlorophenol	A	50.0	50.7	0.1578667	0.1602171		1.5	20
Phenanthrene	A	50.0	51.2	1.236176	1.266747		2.5	20
Phenol	A	50.0	43.6	2.421806	2.11415		-12.7	20
Pyrene	A	50.0	50.8	1.721838	1.751095		1.7	20
Pyridine	A	50.0	47.5	1.958957	1.860502		-5.0	20
1,2,4,5-Tetrachlorobenzene	A	50.0	51.4	0.628622	0.6461119		2.8	20
1,2,4-Trichlorobenzene	A	50.0	52.9	0.3522996	0.3729637		5.9	20
2,4,5-Trichlorophenol	A	50.0	54.8	0.4631444	0.5072961		9.5	20
2,4,6-Trichlorophenol	A	50.0	51.2	0.4596459	0.4708246		2.4	20
2-Fluorophenol	A	100	98.0	1.242874	1.218586		-2.0	
Phenol-d6	A	100	95.4	2.00858	1.917239		-4.5	
Nitrobenzene-d5	A	50.0	50.5	0.43051	0.4351935		1.1	
2-Fluorobiphenyl	A	50.0	53.0	1.317574	1.397967		6.1	
2,4,6-Tribromophenol	A	100	114	0.1751175	0.2001818		14.3	
p-Terphenyl-d14	A	50.0	39.3	1.152304	0.9057844		-21.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104013.D
Acq On : 14 Apr 2022 12:50 pm
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

850

Quant Time: Apr 14 13:04:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	105286	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.060	136	377877	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.132	164	202438	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	378881	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.512	240	318444	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	296199	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	320750	98.05	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 49.02%			
3) Phenol-d6	3.115	99	504646	95.45	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.73%			
20) Nitrobenzene-d5	3.636	82	205562	50.54	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.54%			
36) 2-Fluorobiphenyl	4.707	172	353752	53.05	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.05%			
37) 2,4,6-Tribromophenol	5.621	330	101311	114.31	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.16%			
72) Terphenyl-d14	7.251	244	360552	39.30	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 39.30%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.042	42	131757	46.61	ug/ml	95
5) Pyridine	2.070	79	244856	47.49	ug/ml	99
6) Aniline	3.149	66	87102	39.89	ug/ml	91
7) Phenol	3.123	94	278238	43.65	ug/ml	94
8) Bis(2-chloroethyl)ether	3.172	63	176788	41.88	ug/ml	98
9) 2-Chlorophenol	3.218	128	217886	45.91	ug/ml	97
10) 1,3-Dichlorobenzene	3.301	146	229281	49.41	ug/ml	100
11) 1,4-Dichlorobenzene	3.339	146	229026	49.39	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	214065	48.91	ug/ml	100
13) 2- METHYLPHENOL	3.453	108	193197	47.26	ug/ml	88
14) Bis(2-Chloroisopropyl)...	3.466	45	320109	40.69	ug/ml	96
15) Acetophenone	3.545	105	281536	47.00	ug/ml	100
16) 3/4- METHYLPHENOL	3.538	107	428241	93.90	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	3.540	70	145790	45.15	ug/ml	97
18) Hexachloroethane	3.618	117	87122	47.04	ug/ml	94
21) NITROBENZENE	3.648	77	220450	50.64	ug/ml	100
22) Isophorone	3.780	82	372023	48.94	ug/ml	98
23) 2-Nitrophenol	3.831	139	110532	49.37	ug/ml	98
24) 2,4-Dimethylphenol	3.844	122	184786	49.18	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.896	93	229892	46.96	ug/ml	100
26) Benzoic Acid	3.893	122	140576	52.89	ug/ml	98
27) 2,4-Dichlorophenol	3.973	162	171479	49.88	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.024	180	176168	52.93	ug/ml	100
29) Naphthalene	4.073	128	563250	50.80	ug/ml	99
30) 4-Chloroaniline	4.096	127	195563	49.67	ug/ml	99
31) Hexachlorobutadiene	4.140	225	90117	53.22	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.387	107	186256	49.00	ug/ml	100
33) 2-MethylNaphthalene	4.488	142	344469	52.96	ug/ml	99
34) 1-Methylnaphthalene	4.550	142	351018	49.14	ug/ml	99
38) Hexachlorocyclopentadiene	4.583	237	91105	52.23	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.591	216	163497	51.39	ug/ml	100
40) 2,4,6-Trichlorophenol	4.658	196	119141	51.22	ug/ml	98
41) 2,4,5-Trichlorophenol	4.686	196	128370	54.77	ug/ml	99
42) 2-ChloroNaphthalene	4.789	162	411054	52.04	ug/ml	100

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104013.D
Acq On : 14 Apr 2022 12:50 pm
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 14 13:04:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

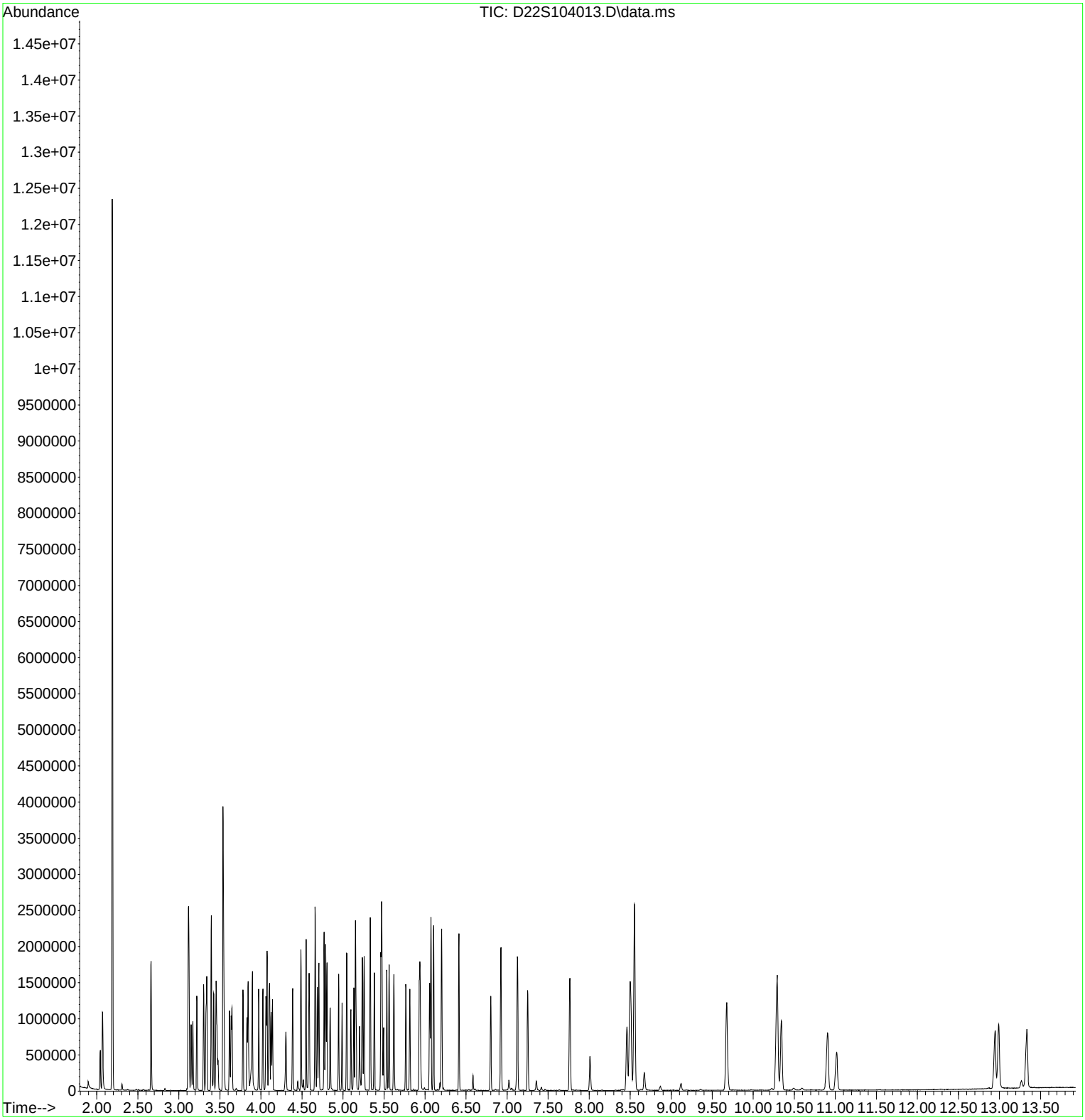
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.843	65	137333	54.54	ug/ml	98
44) 1,1-Biphenyl	4.771	154	428021	52.41	ug/ml	98
45) DIMETHYL PHTHALATE	4.946	163	418187	50.18	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	93322	53.64	ug/ml	99
47) Acenaphthylene	5.047	152	572707	51.72	ug/ml	100
48) 3-Nitroaniline	5.098	138	111079	55.57	ug/ml	99
49) Acenaphthene	5.152	154	368301	53.01	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	57286	51.83	ug/ml#	88
51) 4-Nitrophenol	5.201	109	67519	54.15	ug/ml	93
52) Dibenzofuran	5.258	168	486584	54.50	ug/ml	99
53) 2,4-Dinitrotoluene	5.240	165	131471	56.50	ug/ml	98
54) DIETHYL PHTHALATE	5.381	149	417588	50.68	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.461	204	189991	51.75	ug/ml	100
56) Flourene	5.471	166	393760	53.10	ug/ml	99
57) 4-Nitroaniline	5.477	138	116854	57.81	ug/ml	96
59) 4,6-Dinitro-2-Methylph...	5.495	198	70361	49.81	ug/ml	94
60) N-Nitrosodiphenylamine	5.536	169	271669	41.38	ug/ml	99
61) 1,2-Diphenylhydrazine	5.561	77	420641	47.27	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.767	248	104520	49.17	ug/ml	100
63) Hexachlorobenzene	5.814	284	114675	50.59	ug/ml	98
64) Pentachlorophenol	5.935	266	75879	50.74	ug/ml	100
65) Pentachloronitrobenzene	5.943	295	20379	51.29	ug/ml	96
66) Phenanthrene	6.071	178	599933	51.24	ug/ml	99
67) Anthracene	6.105	178	606963	51.30	ug/ml	99
68) Carbazole	6.203	167	602798	52.84	ug/ml	100
69) Di-N-Butyl Phthalate	6.414	149	772724	49.32	ug/ml	100
70) Flouranthene	6.926	202	669364	53.27	ug/ml	97
73) Benzidine	7.021	184	49472	26.01	ug/ml	95
74) Pyrene	7.127	202	697032	50.85	ug/ml	99
75) Butylbenzyl phthalate	7.766	149	368242	48.62	ug/ml	98
76) 3,3'-Dichlorobenzidine	8.461	252	217273	51.80	ug/ml	99
77) Benzo(a)anthracene	8.499	228	642434	52.27	ug/ml	99
78) Chrysene	8.551	228	582956	51.49	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.556	149	481301	49.17	ug/ml	99
81) Di-n-octylphthalate	9.676	149	875200	50.48	ug/ml	97
82) Benzo(b)fluoranthene	10.291	252	598171	53.52	ug/ml	97
83) Benzo(k)fluoranthene	10.343	252	533295	54.19	ug/ml	95
84) Benzo(a)pyrene	10.904	252	516836	53.33	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.946	276	456578	55.95	ug/ml	95
86) Dibenz(a,h)anthracene	12.992	278	466901	54.85	ug/ml	96
87) Benzo(g,h,i)perylene	13.335	276	478719	57.11	ug/ml	94

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104013.D
Acq On : 14 Apr 2022 12:50 pm
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

852

Quant Time: Apr 14 13:04:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Evaluate Continuing Calibration Report

853

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104013.D
Acq On : 14 Apr 2022 12:50 pm
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 14 13:04:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	61	0.00
2	S	2-Fluorophenol	1.243	1.219	1.9	58	0.00
3	S	Phenol-d6	2.009	1.917	4.6	56	0.00
4		N-Nitrosodimethylamine	1.074	1.001	6.8	55	0.00
5		Pyridine	1.959	1.861	5.0	56	0.00
6		Aniline	0.830	0.662	20.2#	55	0.00
7	C	Phenol	2.422	2.114	12.7#	52	0.00
8		Bis(2-chloroethyl)ether	1.604	1.343	16.3	51	0.00
9		2-Chlorophenol	1.803	1.656	8.2	56	0.00
10		1,3-Dichlorobenzene	1.763	1.742	1.2	61	0.00
11	C	1,4-Dichlorobenzene	1.762	1.740	1.2#	61	0.00
12		1,2-Dichlorobenzene	1.663	1.627	2.2	60	0.00
13		2- METHYLPHENOL	1.553	1.468	5.5	57	0.00
14		Bis(2-Chloroisopropyl)ether	2.989	2.432	18.6	48	0.00
15		Acetophenone	2.276	2.139	6.0	57	0.00
16		3/4- METHYLPHENOL	1.733	1.627	6.1	58	0.00
17	P	N-Nitroso-Di-N-Propylamine	1.227	1.108	9.7	54	0.00
18		Hexachloroethane	0.704	0.662	6.0	59	0.00
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	56	0.00
20	S	Nitrobenzene-d5	0.431	0.435	-0.9	56	0.00
21		NITROBENZENE	0.461	0.467	-1.3	56	0.00
22		Isophorone	0.805	0.788	2.1	54	0.00
23	C	2-Nitrophenol	0.237	0.234	1.3#	54	0.00
24		2,4-Dimethylphenol	0.398	0.391	1.8	54	0.00
25		Bis(2-Chloroethoxy)methane	0.518	0.487	6.0	52	0.00
26		Benzoic Acid	0.281	0.298	-6.0	56	0.00
27	C	2,4-Dichlorophenol	0.364	0.363	0.3#	55	0.00
28		1,2,4-Trichlorobenzene	0.352	0.373	-6.0	59	0.00
29		Naphthalene	1.174	1.192	-1.5	58	0.00
30		4-Chloroaniline	0.417	0.414	0.7	53	0.00
31	C	Hexachlorobutadiene	0.179	0.191	-6.7#	61	0.00
32	C	4-Chloro-3-Methylphenol	0.402	0.394	2.0#	53	0.00
33		2-MethylNaphthalene	0.688	0.729	-6.0	59	0.00
34		1-Methylnaphthalene	0.756	0.743	1.7	55	0.00
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	56	0.00
36	S	2-Fluorobiphenyl	1.318	1.398	-6.1	60	0.00
37	S	2,4,6-Tribromophenol	0.175	0.200	-14.3	65	0.00
38	P	Hexachlorocyclopentadiene	0.345	0.360	-4.3	57	0.00
39		1,2,4,5-Tetrachlorobenzene	0.629	0.646	-2.7	58	0.00
40	C	2,4,6-Trichlorophenol	0.460	0.471	-2.4#	58	0.00
41		2,4,5-Trichlorophenol	0.463	0.507	-9.5	61	0.00
42		2-ChloroNaphthalene	1.561	1.624	-4.0	60	0.00
43		2-Nitroaniline	0.498	0.543	-9.0	61	0.00
44		1,1-Biphenyl	1.614	1.691	-4.8	60	0.00
45		DIMETHYL PHTHALATE	1.647	1.653	-0.4	57	0.00
46		2,6-DinitroToluene	0.344	0.369	-7.3	59	0.00
47		Acenaphthylene	2.188	2.263	-3.4	58	0.00
48		3-Nitroaniline	0.395	0.439	-11.1	59	0.00
49	C	Acenaphthene	1.373	1.455	-6.0#	60	0.00
50	P	2,4-Dinitrophenol	0.218	0.226	-3.7	56	0.00
51	P	4-Nitrophenol	0.246	0.267	-8.5	59	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104013.D
Acq On : 14 Apr 2022 12:50 pm
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 14 13:04:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

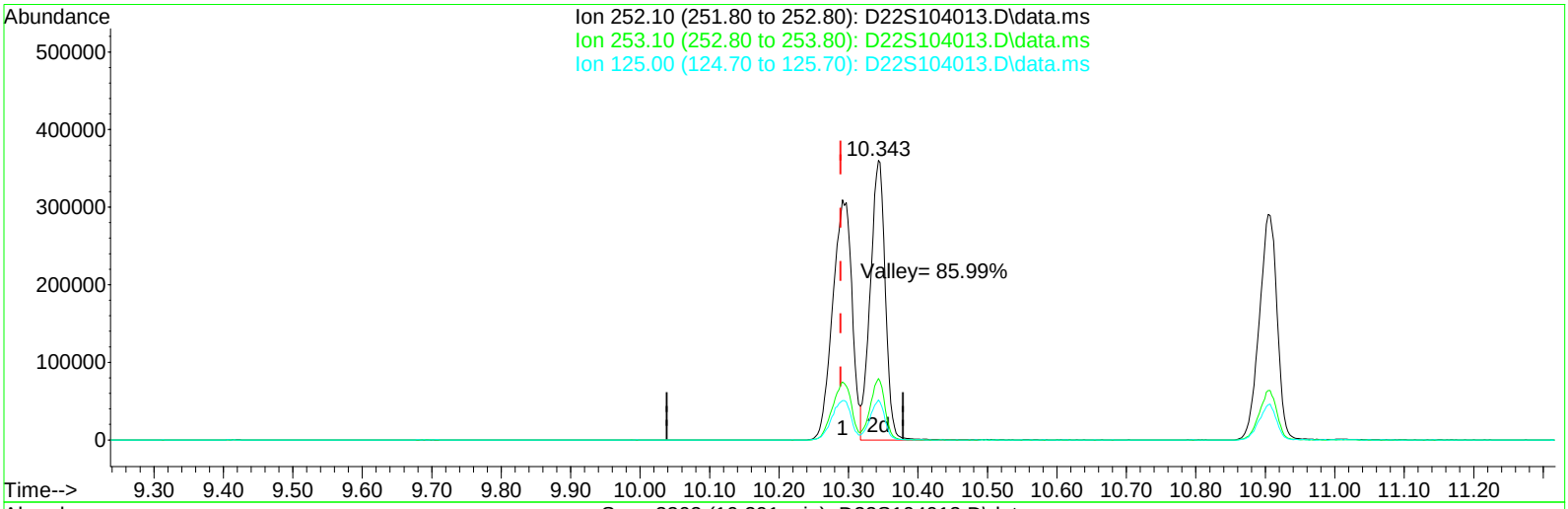
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52		Dibenzofuran	1.764	1.923	-9.0	62	0.00
53		2,4-Dinitrotoluene	0.460	0.520	-13.0	62	0.00
54		DIETHYL PHTHALATE	1.628	1.650	-1.4	57	0.00
55		4-Chlorophenyl phenyl ether	0.725	0.751	-3.6	58	0.00
56		Flourene	1.465	1.556	-6.2	61	0.00
57		4-Nitroaniline	0.399	0.462	-15.8	65	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	59	0.00
59		4,6-Dinitro-2-Methylphenol	0.149	0.149	0.0	58	0.00
60	C	N-Nitrosodiphenylamine	0.693	0.672	3.0#	57	0.00
61		1,2-Diphenylhydrazine	0.939	0.888	5.4	55	0.00
62		4-Bromophenyl phenyl ether	0.224	0.221	1.3	58	0.00
63		Hexachlorobenzene	0.239	0.242	-1.3	60	0.00
64	C	Pentachlorophenol	0.158	0.160	-1.3#	58	0.00
65		Pentachloronitrobenzene	0.042	0.043	-2.4	60	0.00
66		Phenanthrene	1.236	1.267	-2.5	62	0.00
67		Anthracene	1.249	1.282	-2.6	62	0.00
68		Carbazole	1.204	1.273	-5.7	62	0.00
69		Di-N-Butyl Phthalate	1.654	1.632	1.3	57	0.00
70	C	Flouranthene	1.327	1.413	-6.5#	63	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	62	0.00
72	S	Terphenyl-d14	1.152	0.906	21.4#	47	0.00
73		Benzidine	0.239	0.124	48.1#	61	0.00
74		Pyrene	1.722	1.751	-1.7	62	0.00
75		Butylbenzyl phthalate	0.951	0.925	2.7	57	0.00
76		3,3'-Dichlorobenzidine	0.527	0.546	-3.6	59	0.00
77		Benzo(a)anthracene	1.544	1.614	-4.5	63	0.00
78		Chrysene	1.422	1.465	-3.0	63	0.00
79		Bis(2-ethylhexyl)phthalate	1.230	1.209	1.7	59	0.00
80	I	PERYLENE-D12	1.000	1.000	0.0	59	0.00
81	C	Di-n-octylphthalate	2.341	2.364	-1.0#	57	0.00
82		Benzo(b)fluoranthene	1.509	1.616	-7.1	62	0.00
83		Benzo(k)fluoranthene	1.329	1.440	-8.4	63	0.00
84	C	Benzo(a)pyrene	1.309	1.396	-6.6#	61	0.00
85		Indeno(1,2,3-cd)pyrene	1.102	1.233	-11.9	61	0.01
86		Dibenz(a,h)anthracene	1.150	1.261	-9.7	61	0.00
87		Benzo(g,h,i)perylene	1.132	1.293	-14.2	63	0.01

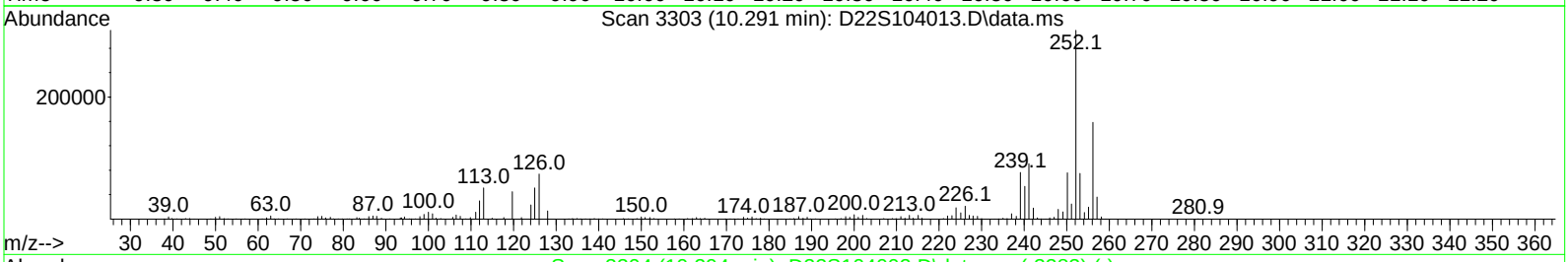
(#) = Out of Range SPCC's out = 0 CCC's out = 13

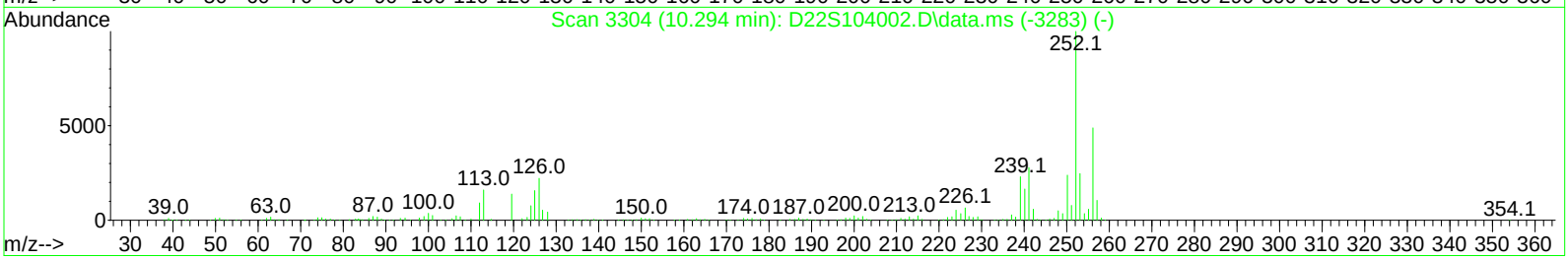
Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104013.D
Acq On : 14 Apr 2022 12:50 pm
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 13 Sample Multiplier: 1

855

Quant Time: Apr 14 13:04:51 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration







TIC: D22S104013.D\data.ms

(82) Benzo(b)fluoranthene

10.291min (+0.003) 53.52 ug/ml

response 598171

Ion	Exp%	Act%
252.10	100	100
253.10	23.30	23.74
125.00	18.60	16.24
0.00	0.00	0.00

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S105002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070424	Injection Date:	04/15/22
Lab Sample ID:	S070424-CCV1	Injection Time:	08:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	52.6	1.372946	1.444453		5.2	20	
Acenaphthylene	A	50.0	51.5	2.188014	2.254215		3.0	20	
Acetophenone	A	50.0	45.7	2.27581	2.08077		-8.6	20	
Aniline	A	50.0	36.5	0.8295499	0.6060371		-26.9	20	*
Anthracene	A	50.0	50.9	1.249074	1.271247		1.8	20	
Benzidine	A	50.0	27.2	0.2388729	0.1298901		-45.6	20	*
Benzo(a)anthracene	A	50.0	52.2	1.543954	1.613096		4.5	20	
Benzo(a)pyrene	A	50.0	52.9	1.308666	1.385474		5.9	20	
Benzo(b)fluoranthene	A	50.0	53.5	1.509432	1.61444		7.0	20	
Benzo(g,h,i)perylene	A	50.0	53.0	1.131917	1.200515		6.1	20	
Benzo(k)fluoranthene	A	50.0	53.4	1.329068	1.418233		6.7	20	
Benzoic Acid	A	50.0	51.1	0.2813486	0.2876597		2.2	20	
Bis(2-chloroethoxy)methane	A	50.0	44.6	0.5181659	0.4620756		-10.8	20	
Bis(2-chloroethyl)ether	A	50.0	38.5	1.603576	1.234249		-23.0	20	*
Bis(2-chloroisopropyl)ether	A	50.0	35.7	2.989072	2.132034		-28.7	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	47.2	1.229657	1.16136		-5.6	20	
4-Bromophenylphenylether	A	50.0	52.1	0.2243946	0.2336417		4.1	20	
Butylbenzylphthalate	A	50.0	47.3	0.9513588	0.8997465		-5.4	20	
Carbazole	A	50.0	51.3	1.204311	1.235083		2.6	20	
4-Chloroaniline	A	50.0	48.7	0.4167645	0.4058917		-2.6	20	
4-Chloro-3-methylphenol	A	50.0	47.4	0.4023861	0.3811392		-5.3	20	
2-Chloronaphthalene	A	50.0	52.2	1.560881	1.631125		4.5	20	
2-Chlorophenol	A	50.0	45.4	1.803142	1.635328		-9.3	20	
4-Chlorophenylphenylether	A	50.0	53.6	0.7253942	0.7778347		7.2	20	
Chrysene	A	50.0	51.2	1.422249	1.457362		2.5	20	
Dibenz(a,h)anthracene	A	50.0	51.8	1.149626	1.191768		3.7	20	
Dibenzofuran	A	50.0	54.9	1.764101	1.937707		9.8	20	
Di-n-butylphthalate	A	50.0	48.1	1.65418	1.591743		-3.8	20	
1,2-Dichlorobenzene	A	50.0	49.3	1.662722	1.639962		-1.4	20	
1,3-Dichlorobenzene	A	50.0	49.7	1.762837	1.753416		-0.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S105002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070424	Injection Date:	04/15/22
Lab Sample ID:	S070424-CCV1	Injection Time:	08:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	49.5	1.761675	1.743577		-1.0	20
3,3-Dichlorobenzidine	A	50.0	52.4	0.526821	0.5519858		4.8	20
2,4-Dichlorophenol	A	50.0	50.5	0.3639342	0.3678511		1.1	20
Diethylphthalate	A	50.0	50.7	1.628092	1.651467		1.4	20
2,4-Dimethylphenol	A	50.0	48.6	0.3977545	0.3867912		-2.8	20
Dimethylphthalate	A	50.0	50.7	1.646667	1.669675		1.4	20
4,6-Dinitro-2-methylphenol	A	50.0	49.0	0.1491476	0.1460486		-2.1	20
2,4-Dinitrophenol	A	50.0	50.7	0.2184121	0.2213379		1.3	20
2,4-Dinitrotoluene	A	50.0	55.0	0.4597808	0.5059559		10.0	20
2,6-Dinitrotoluene	A	50.0	53.8	0.343774	0.369842		7.6	20
Di-n-octylphthalate	A	50.0	48.2	2.341219	2.258064		-3.6	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	43.1	0.9394326	0.8091587		-13.9	20
Fluoranthene	A	50.0	52.0	1.326594	1.380017		4.0	20
Fluorene	A	50.0	53.6	1.46524	1.569483		7.1	20
Hexachlorobenzene	A	50.0	53.5	0.2393112	0.2559705		7.0	20
Hexachlorobutadiene	A	50.0	56.3	0.1792408	0.2017629		12.6	20
Hexachlorocyclopentadiene	A	50.0	50.4	0.3446344	0.3473107		0.8	20
Hexachloroethane	A	50.0	46.5	0.7036808	0.6549667		-6.9	20
Indeno(1,2,3-cd)pyrene	A	50.0	52.6	1.10209	1.159216		5.2	20
Isophorone	A	50.0	45.7	0.8047004	0.7357005		-8.6	20
1-Methylnaphthalene	A	50.0	50.0	0.7560757	0.7557414		-0.04	20
2-Methylnaphthalene	A	50.0	53.8	0.6884755	0.7408988		7.6	20
2-Methylphenol	A	50.0	46.2	1.553194	1.434057		-7.7	20
3/4-Methylphenol	A	100	93.2	1.732615	1.614554		-6.8	20
Naphthalene	A	50.0	50.4	1.173781	1.183168		0.8	20
2-Nitroaniline	A	50.0	47.5	0.4975792	0.4723672		-5.1	20
3-Nitroaniline	A	50.0	53.0	0.3949801	0.418315		5.9	20
4-Nitroaniline	A	50.0	55.2	0.3994338	0.441051		10.4	20
Nitrobenzene	A	50.0	46.8	0.4607835	0.4314776		-6.4	20
2-Nitrophenol	A	50.0	49.8	0.2370074	0.2361504		-0.4	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S105002.D	Calibration Date:	04/04/22 08:41
Sequence:	S070424	Injection Date:	04/15/22
Lab Sample ID:	S070424-CCV1	Injection Time:	08:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	48.6	0.2463673	0.2396328		-2.7	20
N-Nitrosodimethylamine	A	50.0	40.1	1.074008	0.862266		-19.7	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	41.4	0.6910872	0.6704022		-3.0	20
N-Nitrosodi-n-propylamine	A	50.0	43.0	1.226752	1.054664		-14.0	20
Pentachloronitrobenzene	A	50.0	54.1	0.0419468	4.538868E-02		8.2	20
Pentachlorophenol	A	50.0	50.3	0.1578667	0.1587588		0.6	20
Phenanthrene	A	50.0	51.0	1.236176	1.261915		2.1	20
Phenol	A	50.0	42.4	2.421806	2.052805		-15.2	20
Pyrene	A	50.0	51.3	1.721838	1.766276		2.6	20
Pyridine	A	50.0	42.7	1.958957	1.672078		-14.6	20
1,2,4,5-Tetrachlorobenzene	A	50.0	53.1	0.628622	0.6676223		6.2	20
1,2,4-Trichlorobenzene	A	50.0	54.6	0.3522996	0.3843774		9.1	20
2,4,5-Trichlorophenol	A	50.0	55.9	0.4631444	0.5176982		11.8	20
2,4,6-Trichlorophenol	A	50.0	51.9	0.4596459	0.4768117		3.7	20
2-Fluorophenol	A	100	94.7	1.242874	1.177076		-5.3	
Phenol-d6	A	100	92.8	2.00858	1.864809		-7.2	
Nitrobenzene-d5	A	50.0	47.4	0.43051	0.4079054		-5.3	
2-Fluorobiphenyl	A	50.0	53.7	1.317574	1.416141		7.5	
2,4,6-Tribromophenol	A	100	122	0.1751175	0.2134946		21.9	
p-Terphenyl-d14	A	50.0	40.9	1.152304	0.941597		-18.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105002.D
Acq On : 15 Apr 2022 8:14 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 08:26:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	117573	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	433832	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	238318	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	448711	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.520	240	365663	40.00	ug/ml	0.01
80) PERYLENE-D12	11.030	264	335780	40.00	ug/ml	0.02
System Monitoring Compounds						
2) 2-Fluorophenol	2.665	112	345981	94.71	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.35%			
3) Phenol-d6	3.118	99	548128	92.84	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.42%			
20) Nitrobenzene-d5	3.638	82	221203	47.37	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 47.37%			
36) 2-Fluorobiphenyl	4.709	172	421865	53.74	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.74%			
37) 2,4,6-Tribromophenol	5.623	330	127199	121.92	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 60.96%			
72) Terphenyl-d14	7.253	244	430384	40.86	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 40.86%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.042	42	126724	40.14	ug/ml	95
5) Pyridine	2.070	79	245739	42.68	ug/ml	97
6) Aniline	3.151	66	89067	36.53	ug/ml	95
7) Phenol	3.126	94	301693	42.38	ug/ml	97
8) Bis(2-chloroethyl)ether	3.172	63	181393	38.48	ug/ml	94
9) 2-Chlorophenol	3.221	128	240338	45.35	ug/ml	94
10) 1,3-Dichlorobenzene	3.303	146	257693	49.73	ug/ml	99
11) 1,4-Dichlorobenzene	3.342	146	256247	49.49	ug/ml	99
12) 1,2-Dichlorobenzene	3.427	146	241019	49.32	ug/ml	98
13) 2- METHYLPHENOL	3.455	108	210758	46.16	ug/ml	87
14) Bis(2-Chloroisopropyl)...	3.466	45	313337	35.66	ug/ml#	66
15) Acetophenone	3.548	105	305803	45.71	ug/ml	98
16) 3/4- METHYLPHENOL	3.540	107	474570	93.19	ug/ml	97
17) N-Nitroso-Di-N-Propyla...	3.543	70	155000	42.99	ug/ml	95
18) Hexachloroethane	3.620	117	96258	46.54	ug/ml	90
21) NITROBENZENE	3.651	77	233986	46.82	ug/ml	97
22) Isophorone	3.782	82	398963	45.71	ug/ml	97
23) 2-Nitrophenol	3.834	139	128062	49.82	ug/ml#	81
24) 2,4-Dimethylphenol	3.847	122	209753	48.62	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.898	93	250579	44.59	ug/ml	99
26) Benzoic Acid	3.901	122	155995	51.12	ug/ml	97
27) 2,4-Dichlorophenol	3.975	162	199482	50.54	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.027	180	208444	54.55	ug/ml	99
29) Naphthalene	4.076	128	641620	50.40	ug/ml	100
30) 4-Chloroaniline	4.099	127	220111	48.70	ug/ml	98
31) Hexachlorobutadiene	4.140	225	109414	56.28	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.390	107	206688	47.36	ug/ml	98
33) 2-MethylNaphthalene	4.490	142	401782	53.81	ug/ml	100
34) 1-Methylnaphthalene	4.552	142	409831	49.98	ug/ml	99
38) Hexachlorocyclopentadiene	4.583	237	103463	50.39	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.593	216	198883	53.10	ug/ml	100
40) 2,4,6-Trichlorophenol	4.663	196	142041	51.87	ug/ml	100
41) 2,4,5-Trichlorophenol	4.691	196	154221	55.89	ug/ml	99
42) 2-ChloroNaphthalene	4.792	162	485908	52.25	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105002.D
Acq On : 15 Apr 2022 8:14 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

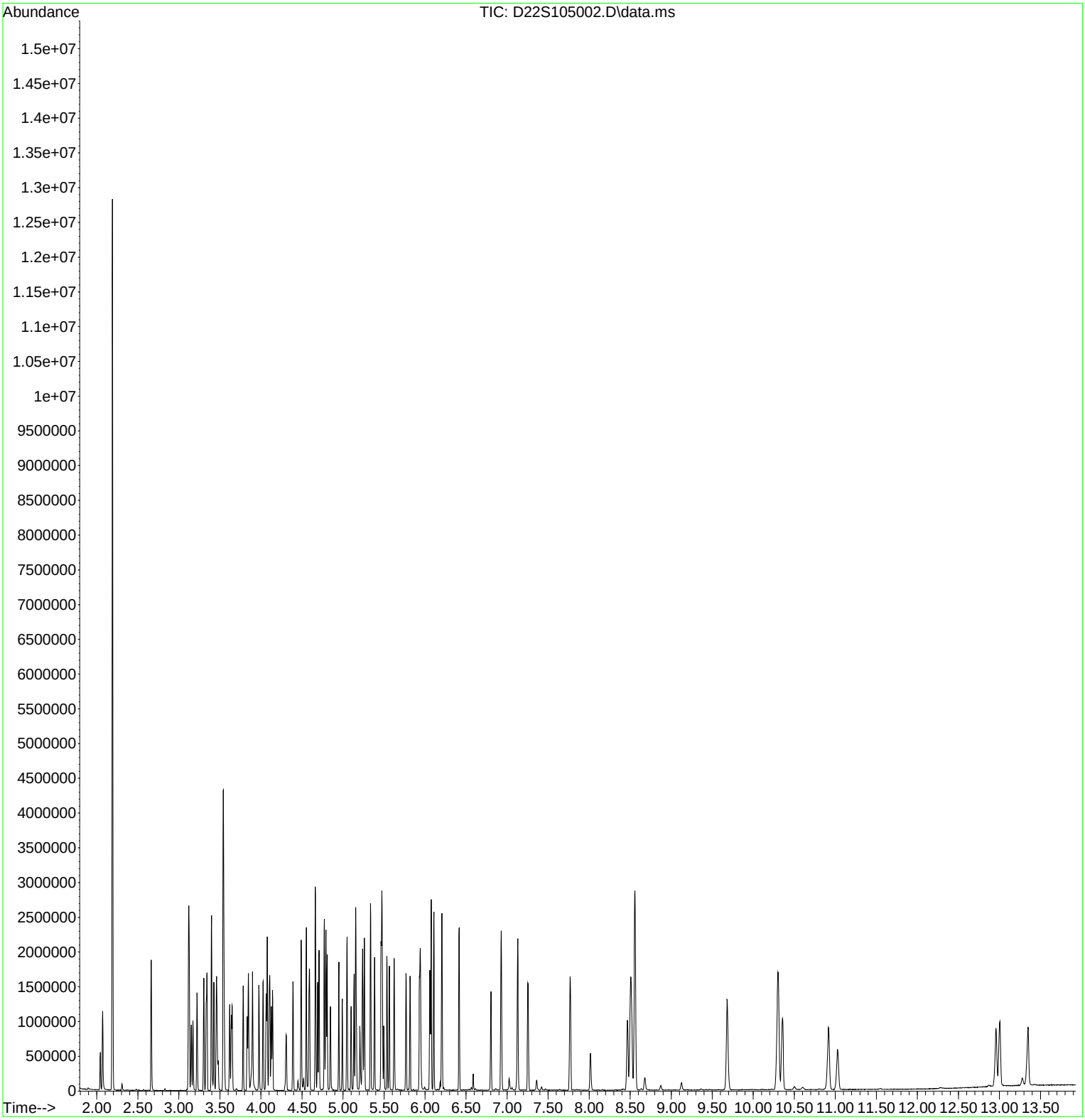
Quant Time: Apr 15 08:26:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.848	65	140717	47.47	ug/ml	92
44) 1,1-Biphenyl	4.774	154	505115	52.54	ug/ml#	97
45) DIMETHYL PHTHALATE	4.949	163	497392	50.70	ug/ml	100
46) 2,6-DinitroToluene	4.992	165	110175	53.79	ug/ml	91
47) Acenaphthylene	5.049	152	671525	51.51	ug/ml	100
48) 3-Nitroaniline	5.101	138	124615	52.95	ug/ml	97
49) Acenaphthene	5.155	154	430299	52.60	ug/ml	99
50) 2,4-Dinitrophenol	5.165	184	65936	50.67	ug/ml#	84
51) 4-Nitrophenol	5.206	109	71386	48.63	ug/ml	93
52) Dibenzofuran	5.260	168	577238	54.92	ug/ml	100
53) 2,4-Dinitrotoluene	5.242	165	150723	55.02	ug/ml	91
54) DIETHYL PHTHALATE	5.384	149	491968	50.72	ug/ml	98
55) 4-Chlorophenyl phenyl ...	5.464	204	231715	53.61	ug/ml	98
56) Flourene	5.474	166	467545	53.56	ug/ml	99
57) 4-Nitroaniline	5.479	138	131388	55.21	ug/ml	91
59) 4,6-Dinitro-2-Methylph...	5.500	198	81917	48.96	ug/ml	85
60) N-Nitrosodiphenylamine	5.536	169	321874	41.40	ug/ml	99
61) 1,2-Diphenylhydrazine	5.564	77	453848	43.07	ug/ml	95
62) 4-Bromophenyl phenyl e...	5.770	248	131047	52.06	ug/ml	98
63) Hexachlorobenzene	5.816	284	143571	53.48	ug/ml	96
64) Pentachlorophenol	5.940	266	89046	50.28	ug/ml	99
65) Pentachloronitrobenzene	5.945	295	25458	54.10	ug/ml	97
66) Phenanthrene	6.074	178	707794	51.04	ug/ml	99
67) Anthracene	6.107	178	713028	50.89	ug/ml	99
68) Carbazole	6.205	167	692744	51.28	ug/ml	100
69) Di-N-Butyl Phthalate	6.416	149	892791	48.11	ug/ml	100
70) Flouranthene	6.929	202	774036	52.01	ug/ml	95
73) Benzidine	7.026	184	59370	27.19	ug/ml	96
74) Pyrene	7.129	202	807327	51.29	ug/ml	99
75) Butylbenzyl phthalate	7.768	149	411255	47.29	ug/ml	93
76) 3,3'-Dichlorobenzidine	8.468	252	252301	52.39	ug/ml	98
77) Benzo(a)anthracene	8.504	228	737312	52.24	ug/ml	99
78) Chrysene	8.558	228	666129	51.23	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.558	149	530833	47.22	ug/ml	99
81) Di-n-octylphthalate	9.681	149	947766	48.22	ug/ml	93
82) Benzo(b)fluoranthene	10.307	252	677621	53.48	ug/ml	96
83) Benzo(k)fluoranthene	10.358	252	595268	53.35	ug/ml	95
84) Benzo(a)pyrene	10.920	252	581518	52.93	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	12.959	276	486552	52.59	ug/ml	92
86) Dibenz(a,h)anthracene	13.005	278	500215	51.83	ug/ml	93
87) Benzo(g,h,i)perylene	13.350	276	503886	53.03	ug/ml	91

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

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105002.D
Acq On : 15 Apr 2022 8:14 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 08:26:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Evaluate Continuing Calibration Report

862

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105002.D
Acq On : 15 Apr 2022 8:14 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 08:26:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	69	0.00
2	S	2-Fluorophenol	1.243	1.177	5.3	62	0.00
3	S	Phenol-d6	2.009	1.865	7.2	60	0.00
4		N-Nitrosodimethylamine	1.074	0.862	19.7	53	0.00
5		Pyridine	1.959	1.672	14.7	56	0.00
6		Aniline	0.830	0.606	27.0#	56	0.00
7	C	Phenol	2.422	2.053	15.2#	56	0.00
8		Bis(2-chloroethyl)ether	1.604	1.234	23.1#	52	0.00
9		2-Chlorophenol	1.803	1.635	9.3	61	0.00
10		1,3-Dichlorobenzene	1.763	1.753	0.6	68	0.00
11	C	1,4-Dichlorobenzene	1.762	1.744	1.0#	68	0.00
12		1,2-Dichlorobenzene	1.663	1.640	1.4	68	0.00
13		2- METHYLPHENOL	1.553	1.434	7.7	62	0.00
14		Bis(2-Chloroisopropyl)ether	2.989	2.132	28.7#	47	0.00
15		Acetophenone	2.276	2.081	8.6	62	0.00
16		3/4- METHYLPHENOL	1.733	1.615	6.8	64	0.00
17	P	N-Nitroso-Di-N-Propylamine	1.227	1.055	14.0	58	0.00
18		Hexachloroethane	0.704	0.655	7.0	65	0.00
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	64	0.00
20	S	Nitrobenzene-d5	0.431	0.408	5.3	60	0.00
21		NITROBENZENE	0.461	0.431	6.5	60	0.00
22		Isophorone	0.805	0.736	8.6	57	0.00
23	C	2-Nitrophenol	0.237	0.236	0.4#	62	0.00
24		2,4-Dimethylphenol	0.398	0.387	2.8	61	0.00
25		Bis(2-Chloroethoxy)methane	0.518	0.462	10.8	56	0.00
26		Benzoic Acid	0.281	0.288	-2.5	62	0.00
27	C	2,4-Dichlorophenol	0.364	0.368	-1.1#	64	0.00
28		1,2,4-Trichlorobenzene	0.352	0.384	-9.1	69	0.00
29		Naphthalene	1.174	1.183	-0.8	66	0.00
30		4-Chloroaniline	0.417	0.406	2.6	60	0.00
31	C	Hexachlorobutadiene	0.179	0.202	-12.8#	74	0.00
32	C	4-Chloro-3-Methylphenol	0.402	0.381	5.2#	59	0.00
33		2-MethylNaphthalene	0.688	0.741	-7.7	69	0.00
34		1-Methylnaphthalene	0.756	0.756	0.0	65	0.00
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	66	0.00
36	S	2-Fluorobiphenyl	1.318	1.416	-7.4	71	0.00
37	S	2,4,6-Tribromophenol	0.175	0.213	-21.7#	81	0.00
38	P	Hexachlorocyclopentadiene	0.345	0.347	-0.6	65	0.00
39		1,2,4,5-Tetrachlorobenzene	0.629	0.668	-6.2	70	0.00
40	C	2,4,6-Trichlorophenol	0.460	0.477	-3.7#	69	0.00
41		2,4,5-Trichlorophenol	0.463	0.518	-11.9	74	0.00
42		2-ChloroNaphthalene	1.561	1.631	-4.5	71	0.00
43		2-Nitroaniline	0.498	0.472	5.2	62	0.00
44		1,1-Biphenyl	1.614	1.696	-5.1	71	0.00
45		DIMETHYL PHTHALATE	1.647	1.670	-1.4	68	0.00
46		2,6-DinitroToluene	0.344	0.370	-7.6	69	0.00
47		Acenaphthylene	2.188	2.254	-3.0	69	0.00
48		3-Nitroaniline	0.395	0.418	-5.8	66	0.00
49	C	Acenaphthene	1.373	1.444	-5.2#	71	0.00
50	P	2,4-Dinitrophenol	0.218	0.221	-1.4	65	0.00
51	P	4-Nitrophenol	0.246	0.240	2.4	63	0.01

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105002.D
Acq On : 15 Apr 2022 8:14 am
Operator : BGL
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 08:26:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

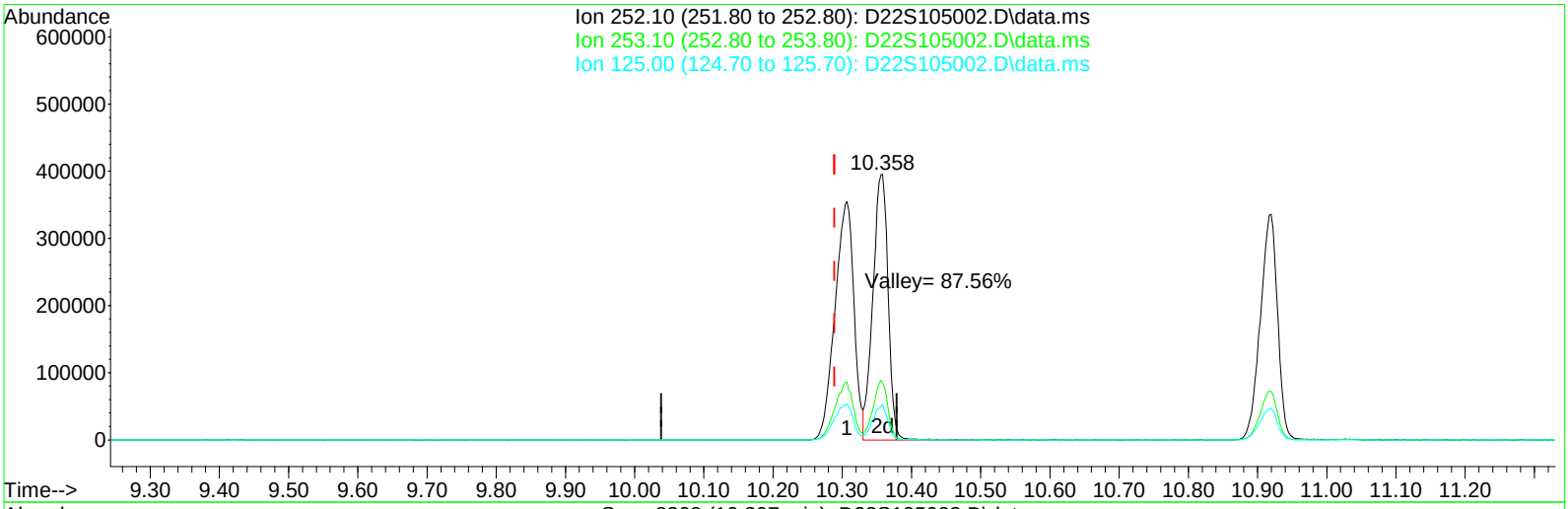
Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

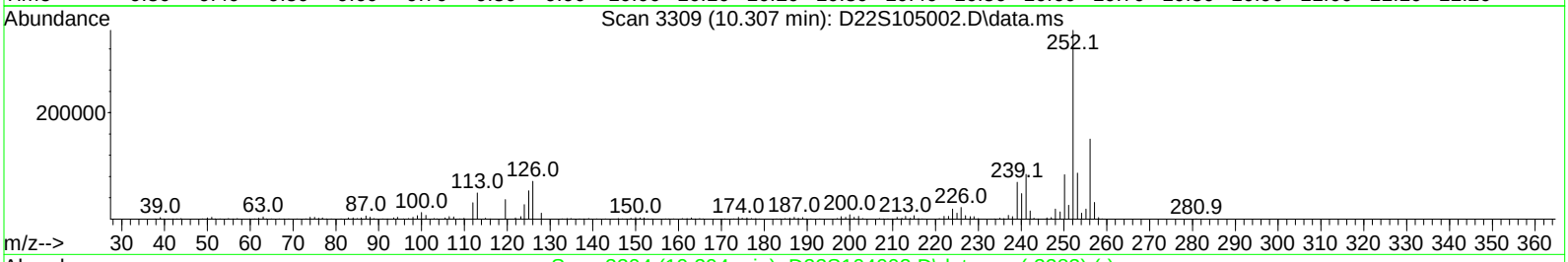
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52		Dibenzofuran	1.764	1.938	-9.9	74	0.00
53		2,4-Dinitrotoluene	0.460	0.506	-10.0	71	0.00
54		DIETHYL PHTHALATE	1.628	1.651	-1.4	67	0.00
55		4-Chlorophenyl phenyl ether	0.725	0.778	-7.3	71	0.00
56		Flourene	1.465	1.569	-7.1	72	0.00
57		4-Nitroaniline	0.399	0.441	-10.5	73	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	70	0.00
59		4,6-Dinitro-2-Methylphenol	0.149	0.146	2.0	67	0.00
60	C	N-Nitrosodiphenylamine	0.693	0.672	3.0#	68	0.00
61		1,2-Diphenylhydrazine	0.939	0.809	13.8	59	0.00
62		4-Bromophenyl phenyl ether	0.224	0.234	-4.5	72	0.00
63		Hexachlorobenzene	0.239	0.256	-7.1	76	0.00
64	C	Pentachlorophenol	0.158	0.159	-0.6#	69	0.00
65		Pentachloronitrobenzene	0.042	0.045	-7.1	75	0.00
66		Phenanthrene	1.236	1.262	-2.1	73	0.00
67		Anthracene	1.249	1.271	-1.8	72	0.00
68		Carbazole	1.204	1.235	-2.6	72	0.00
69		Di-N-Butyl Phthalate	1.654	1.592	3.7	66	0.00
70	C	Flouranthene	1.327	1.380	-4.0#	73	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	71	0.01
72	S	Terphenyl-d14	1.152	0.942	18.2	56	0.00
73		Benzidine	0.239	0.130	45.6#	73	0.00
74		Pyrene	1.722	1.766	-2.6	72	0.00
75		Butylbenzyl phthalate	0.951	0.900	5.4	64	0.00
76		3,3'-Dichlorobenzidine	0.527	0.552	-4.7	69	0.00
77		Benzo(a)anthracene	1.544	1.613	-4.5	73	0.00
78		Chrysene	1.422	1.457	-2.5	72	0.01
79		Bis(2-ethylhexyl)phthalate	1.230	1.161	5.6	65	0.00
80	I	PERYLENE-D12	1.000	1.000	0.0	67	0.02
81	C	Di-n-octylphthalate	2.341	2.258	3.5#	62	0.00
82		Benzo(b)fluoranthene	1.509	1.614	-7.0	70	0.02
83		Benzo(k)fluoranthene	1.329	1.418	-6.7	70	0.02
84	C	Benzo(a)pyrene	1.309	1.385	-5.8#	69	0.02
85		Indeno(1,2,3-cd)pyrene	1.102	1.159	-5.2	65	0.02
86		Dibenz(a,h)anthracene	1.150	1.192	-3.7	65	0.02
87		Benzo(g,h,i)perylene	1.132	1.201	-6.1	66	0.03

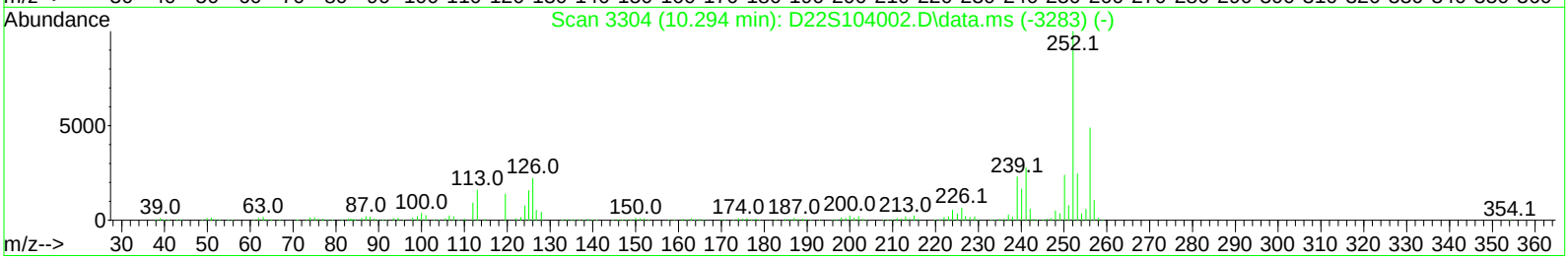
(#) = Out of Range SPCC's out = 0 CCC's out = 13

Data Path : C:\msdchem\1\DATA\D041522\
Data File : D22S105002.D
Acq On : 15 Apr 2022 8:14 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 15 08:26:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration







TIC: D22S105002.D\data.ms

(82) Benzo(b)fluoranthene

10.307min (+0.018) 53.48 ug/ml

response 677621

Ion	Exp%	Act%
252.10	100	100
253.10	23.30	23.56
125.00	18.60	14.95
0.00	0.00	0.00

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV3	Calibration:	2200130
Lab File ID:	C2210602.D	Calibration Date:	02/23/22 06:57
Sequence:	S070490	Injection Date:	04/16/22
Lab Sample ID:	S070490-CCV1	Injection Time:	09:35

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	54.0	1.351503	1.459231		8.0	20	
Acenaphthylene	A	50.0	57.0	2.020202	2.304639		14.1	20	
Acetophenone	A	50.0	48.0	2.22044	2.130224		-4.1	20	
Aniline	A	50.0	40.0	0.574355	0.4598292		-19.9	20	
Anthracene	A	50.0	54.7	1.233109	1.348003		9.3	20	
Benzidine	A	50.0	14.5	0.2229056	6.465393E-02		-71.0	20	*
Benzo(a)anthracene	A	50.0	56.7	1.438342	1.631149		13.4	20	
Benzo(a)pyrene	A	50.0	58.7	1.272666	1.493994		17.4	20	
Benzo(b)fluoranthene	A	50.0	57.6	1.480075	1.704937		15.2	20	
Benzo(g,h,i)perylene	A	50.0	58.5	1.116736	1.306473		17.0	20	
Benzo(k)fluoranthene	A	50.0	58.8	1.305381	1.534444		17.5	20	
Benzoic Acid	A	50.0	55.0	0.2289491	0.2518602		10.0	20	
Bis(2-chloroethoxy)methane	A	50.0	48.7	0.44794	0.4359478		-2.7	20	
Bis(2-chloroethyl)ether	A	50.0	46.8	0.9970558	0.9335474		-6.4	20	
Bis(2-chloroisopropyl)ether	A	50.0	44.7	1.446666	1.292132		-10.7	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	52.9	0.9229062	0.9763272		5.8	20	
4-Bromophenylphenylether	A	50.0	52.7	0.2411466	0.2540342		5.3	20	
Butylbenzylphthalate	A	50.0	50.6	0.6800669	0.6877755		1.1	20	
Carbazole	A	50.0	56.2	1.156976	1.301494		12.5	20	
4-Chloroaniline	A	50.0	53.3	0.3940684	0.4200648		6.6	20	
4-Chloro-3-methylphenol	A	50.0	50.7	0.3569403	0.3618435		1.4	20	
2-Chloronaphthalene	A	50.0	58.0	1.501944	1.742726		16.0	20	
2-Chlorophenol	A	50.0	49.0	1.703636	1.67114		-1.9	20	
4-Chlorophenylphenylether	A	50.0	54.1	0.7720992	0.8358205		8.3	20	
Chrysene	A	50.0	54.6	1.369403	1.496554		9.3	20	
Dibenz(a,h)anthracene	A	50.0	62.0	1.111866	1.379232		24.0	20	*
Dibenzofuran	A	50.0	60.2	1.740511	2.094033		20.3	20	*
Di-n-butylphthalate	A	50.0	53.1	1.401948	1.488971		6.2	20	
1,2-Dichlorobenzene	A	50.0	52.0	1.644297	1.708916		3.9	20	
1,3-Dichlorobenzene	A	50.0	52.7	1.699693	1.790482		5.3	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV3	Calibration:	2200130
Lab File ID:	C2210602.D	Calibration Date:	02/23/22 06:57
Sequence:	S070490	Injection Date:	04/16/22
Lab Sample ID:	S070490-CCV1	Injection Time:	09:35

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	52.8	1.744354	1.841216		5.6	20	
3,3-Dichlorobenzidine	A	50.0	58.0	0.4455619	0.5167538		16.0	20	
2,4-Dichlorophenol	A	50.0	52.0	0.3616498	0.3759497		4.0	20	
Diethylphthalate	A	50.0	51.6	1.439593	1.484427		3.1	20	
2,4-Dimethylphenol	A	50.0	51.4	0.3873531	0.3980662		2.8	20	
Dimethylphthalate	A	50.0	52.6	1.511202	1.588659		5.1	20	
4,6-Dinitro-2-methylphenol	A	50.0	48.6	0.14765	0.1434591		-2.8	20	
2,4-Dinitrophenol	L	50.0	40.7	0.1822235	0.1589915		-18.6	20	
2,4-Dinitrotoluene	A	50.0	55.0	0.4467597	0.4918744		10.1	20	
2,6-Dinitrotoluene	A	50.0	55.7	0.329733	0.3675735		11.5	20	
Di-n-octylphthalate	A	50.0	54.1	1.659775	1.797224		8.3	20	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	50.2	0.7128651	0.7157666		0.4	20	
Fluoranthene	A	50.0	58.6	1.334024	1.563251		17.2	20	
Fluorene	A	50.0	56.3	1.513961	1.705033		12.6	20	
Hexachlorobenzene	A	50.0	54.1	0.2251658	0.2434721		8.1	20	
Hexachlorobutadiene	A	50.0	57.9	0.1926016	0.2230343		15.8	20	
Hexachlorocyclopentadiene	L	50.0	34.8	0.2174927	0.1760079		-30.4	20	*
Hexachloroethane	A	50.0	51.5	0.630058	0.6490819		3.0	20	
Indeno(1,2,3-cd)pyrene	A	50.0	59.0	1.073589	1.266063		17.9	20	
Isophorone	A	50.0	51.3	0.683532	0.7018749		2.7	20	
1-Methylnaphthalene	A	50.0	52.2	0.8092552	0.8450918		4.4	20	
2-Methylnaphthalene	A	50.0	57.8	0.7223828	0.8354275		15.6	20	
2-Methylphenol	A	50.0	50.6	1.448286	1.466136		1.2	20	
3/4-Methylphenol	A	100	98.6	1.734939	1.711597		-1.3	20	
Naphthalene	A	50.0	54.9	1.168546	1.28342		9.8	20	
2-Nitroaniline	A	50.0	53.9	0.3313921	0.3569572		7.7	20	
3-Nitroaniline	A	50.0	56.3	0.3434355	0.3866137		12.6	20	
4-Nitroaniline	A	50.0	56.1	0.3768055	0.4226028		12.2	20	
Nitrobenzene	A	50.0	52.2	0.3915758	0.4091784		4.5	20	
2-Nitrophenol	A	50.0	51.4	0.2345731	0.2412977		2.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV3	Calibration:	2200130
Lab File ID:	C2210602.D	Calibration Date:	02/23/22 06:57
Sequence:	S070490	Injection Date:	04/16/22
Lab Sample ID:	S070490-CCV1	Injection Time:	09:35

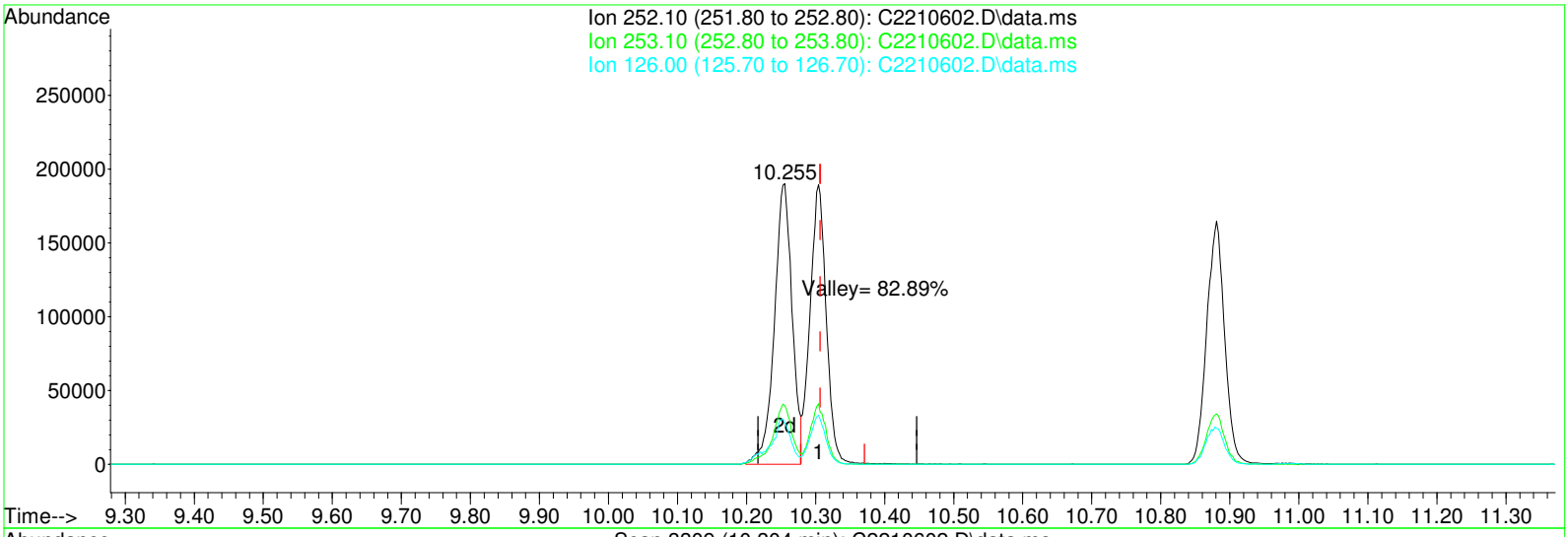
		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	50.5	0.1795329	0.1812275		0.9	20
N-Nitrosodimethylamine	A	50.0	43.5	0.5809802	0.5059089		-12.9	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	44.5	0.7018393	0.7319315		4.3	20
N-Nitrosodi-n-propylamine	A	50.0	46.2	1.156145	1.067933		-7.6	20
Pentachloronitrobenzene	A	50.0	54.6	0.0404996	4.421734E-02		9.2	20
Pentachlorophenol	A	50.0	44.2	0.1499215	0.1325477		-11.6	20
Phenanthrene	A	50.0	55.3	1.201076	1.327999		10.6	20
Phenol	A	50.0	49.3	2.07013	2.042775		-1.3	20
Pyrene	A	50.0	54.5	1.511578	1.648508		9.1	20
Pyridine	A	50.0	51.0	1.36228	1.388164		1.9	20
1,2,4,5-Tetrachlorobenzene	A	50.0	55.1	0.64185	0.7076913		10.3	20
1,2,4-Trichlorobenzene	A	50.0	55.7	0.3583843	0.3994306		11.5	20
2,4,5-Trichlorophenol	A	50.0	56.3	0.4277823	0.4815617		12.6	20
2,4,6-Trichlorophenol	A	50.0	52.4	0.4379606	0.4588956		4.8	20
2-Fluorophenol	A	100	106	1.032797	1.099863		6.5	
Phenol-d6	A	100	103	1.735717	1.789215		3.1	
Nitrobenzene-d5	A	50.0	53.2	0.36115	0.3844851		6.5	
2-Fluorobiphenyl	A	50.0	57.0	1.336139	1.523401		14.0	
2,4,6-Tribromophenol	A	100	112	0.1711613	0.1919998		12.2	
p-Terphenyl-d14	A	50.0	42.1	1.097133	0.9234557		-15.8	

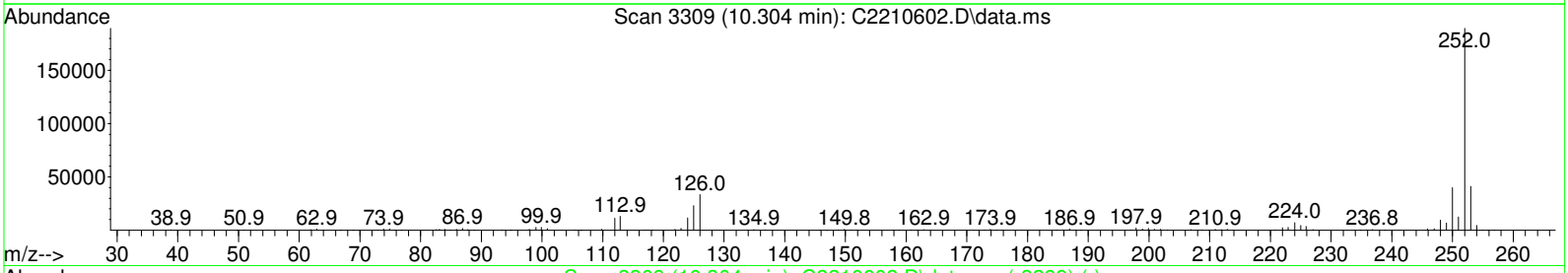
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

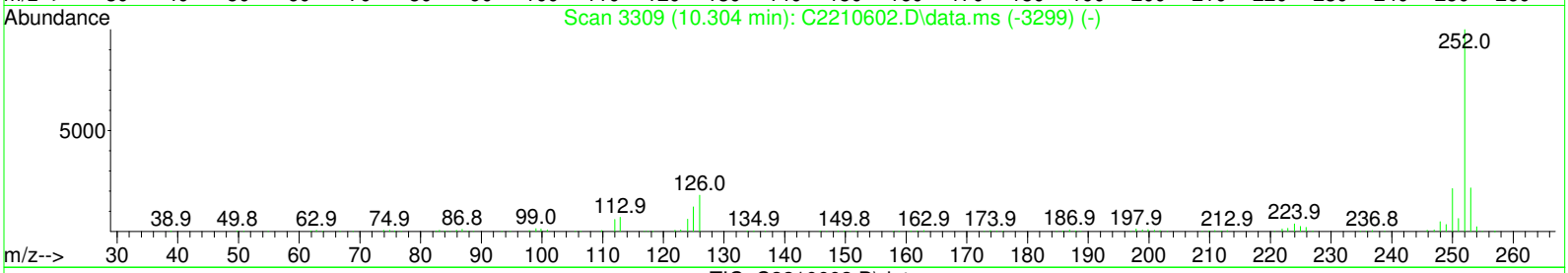
* Values outside of QC limits

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration







TIC: C2210602.D\data.ms

(83) Benzo(k)fluoranthene

10.304min (-0.003) 58.77 ug/ml

response 305669

Ion	Exp%	Act%
252.10	100.00	100.00
253.10	21.50	20.56
126.00	19.60	17.34
0.00	0.00	0.00

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.280	152	42969	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.009	136	162992	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.077	164	94873	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	5.999	188	176329	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.450	240	174158	40.00	ug/ml	0.00
80) PERYLENE-D12	10.986	264	159364	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.618	112	118150	106.49	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 53.24%			
3) Phenol-d6	3.074	99	192202	103.08	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 51.54%			
20) Nitrobenzene-d5	3.589	82	78335	53.23	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 53.23%			
36) 2-Fluorobiphenyl	4.650	172	180662	57.01	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 57.01%			
37) 2,4,6-Tribromophenol	5.567	330	45539	112.17	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 56.08%			
72) Terphenyl-d14	7.178	244	201034	42.08	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 42.08%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	1.967	42	27173	43.54	ug/ml	97
5) Pyridine	1.993	79	74560	50.95	ug/ml	99
6) Aniline	3.105	66	24698	40.03	ug/ml#	89
7) Phenol	3.085	94	109720	49.34	ug/ml	97
8) Bis(2-chloroethyl)ether	3.121	63	50142	46.82	ug/ml	90
9) 2-Chlorophenol	3.175	128	89759	49.05	ug/ml	97
10) 1,3-Dichlorobenzene	3.252	146	96169	52.67	ug/ml	98
11) 1,4-Dichlorobenzene	3.291	146	98894	52.78	ug/ml	99
12) 1,2-Dichlorobenzene	3.375	146	91788	51.96	ug/ml	100
13) 2- METHYLPHENOL	3.409	108	78748	50.62	ug/ml#	83
14) Bis(2-Chloroisopropyl)...	3.412	45	69402	44.66	ug/ml#	59
15) Acetophenone	3.496	105	114417	47.97	ug/ml#	56
16) 3/4- METHYLPHENOL	3.491	107	183864	98.65	ug/ml#	80
17) N-Nitroso-Di-N-Propyla...	3.489	70	57360	46.19	ug/ml	97
18) Hexachloroethane	3.563	117	34863	51.51	ug/ml	96
21) NITROBENZENE	3.599	77	83366	52.25	ug/ml	98
22) Isophorone	3.731	82	143000	51.34	ug/ml	97
23) 2-Nitrophenol	3.782	139	49162	51.43	ug/ml	97
24) 2,4-Dimethylphenol	3.795	122	81102	51.38	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.841	93	88820	48.66	ug/ml	98
26) Benzoic Acid	3.854	122	51314	55.00	ug/ml	96
27) 2,4-Dichlorophenol	3.929	162	76596	51.98	ug/ml	99
28) 1,2,4-Trichlorobenzene	3.973	180	81380	55.73	ug/ml	100
29) Naphthalene	4.022	128	261484	54.92	ug/ml	99
30) 4-Chloroaniline	4.050	127	85584	53.30	ug/ml	99
31) Hexachlorobutadiene	4.084	225	45441	57.90	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.341	107	73722	50.69	ug/ml	98
33) 2-MethylNaphthalene	4.436	142	170210	57.82	ug/ml	99
34) 1-Methylnaphthalene	4.498	142	172179	52.21	ug/ml	99
38) Hexachlorocyclopentadiene	4.526	237	20873	34.82	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	4.539	216	83926	55.13	ug/ml	99
40) 2,4,6-Trichlorophenol	4.611	196	54421	52.39	ug/ml	99
41) 2,4,5-Trichlorophenol	4.642	196	57109	56.29	ug/ml	99
42) 2-ChloroNaphthalene	4.738	162	206672	58.02	ug/ml	99
43) 2-Nitroaniline	4.797	65	42332	53.86	ug/ml	95

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

870

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

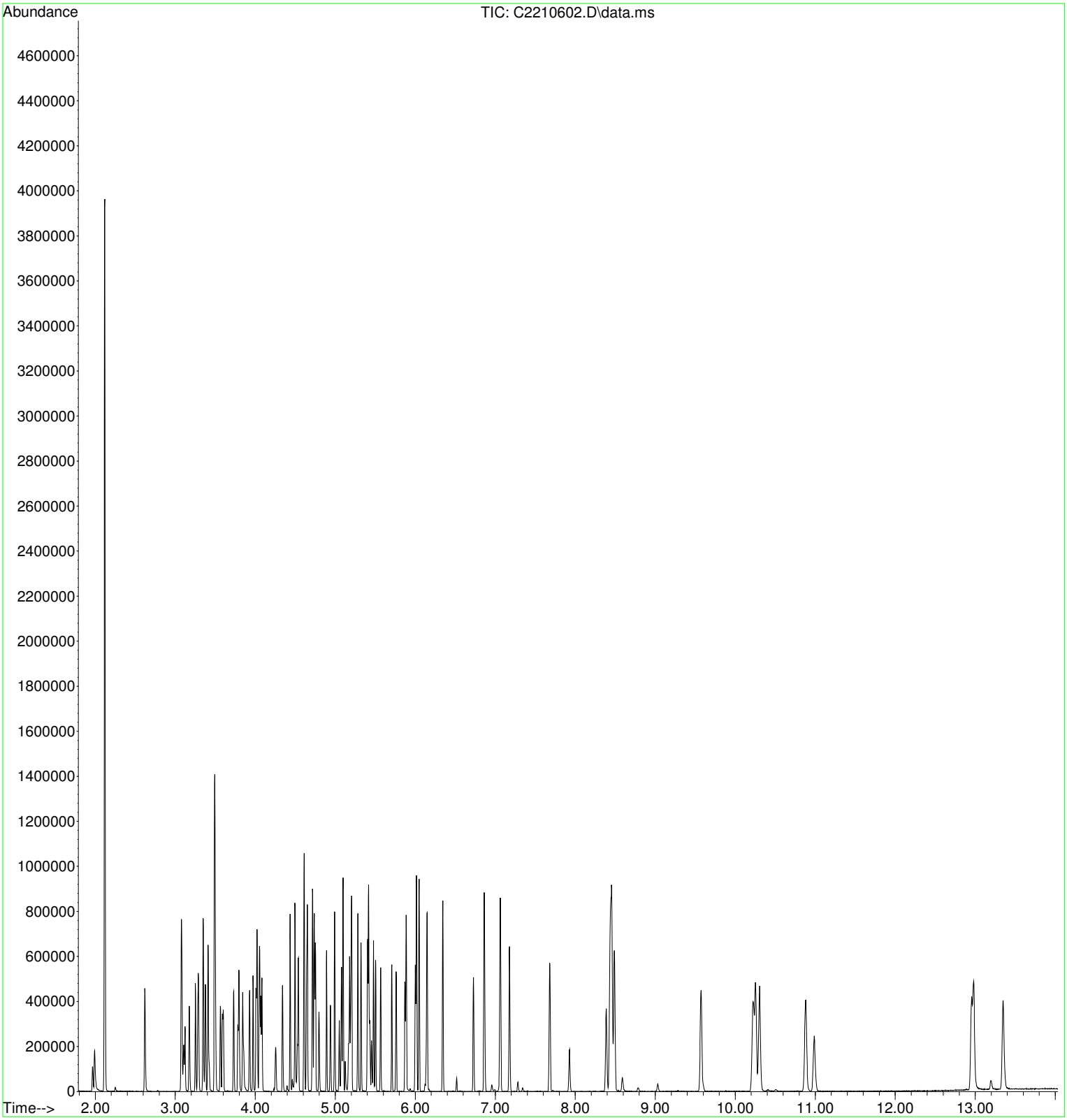
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 1,1-Biphenyl	4.714	154	224456	58.01 ug/ml	99
45) DIMETHYL PHTHALATE	4.892	163	188401	52.56 ug/ml	99
46) 2,6-DinitroToluene	4.941	165	43591	55.74 ug/ml	96
47) Acenaphthylene	4.992	152	273310	57.04 ug/ml	99
48) 3-Nitroaniline	5.049	138	45849	56.29 ug/ml	98
49) Acenaphthene	5.098	154	173052	53.99 ug/ml	96
50) 2,4-Dinitrophenol	5.124	184	18855	40.70 ug/ml	95
51) 4-Nitrophenol	5.168	109	21492	50.47 ug/ml#	77
52) Dibenzofuran	5.204	168	248334	60.16 ug/ml	99
53) 2,4-Dinitrotoluene	5.196	165	58332	55.05 ug/ml	87
54) DIETHYL PHTHALATE	5.322	149	176040	51.56 ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.404	204	99121	54.13 ug/ml	100
56) Flourene	5.417	166	202202	56.31 ug/ml	98
57) 4-Nitroaniline	5.430	138	50117	56.08 ug/ml	87
59) 4,6-Dinitro-2-Methylph...	5.453	198	31620	48.58 ug/ml	93
60) N-Nitrosodiphenylamine	5.476	169	138095	44.50 ug/ml	96
61) 1,2-Diphenylhydrazine	5.502	77	157763	50.20 ug/ml	96
62) 4-Bromophenyl phenyl e...	5.708	248	55992	52.67 ug/ml	99
63) Hexachlorobenzene	5.760	284	53664	54.07 ug/ml	97
64) Pentachlorophenol	5.886	266	29215	44.21 ug/ml	96
65) Pentachloronitrobenzene	5.888	295	9746	54.59 ug/ml	97
66) Phenanthrene	6.015	178	292706	55.28 ug/ml	99
67) Anthracene	6.048	178	297115	54.66 ug/ml	99
68) Carbazole	6.149	167	286864	56.25 ug/ml	99
69) Di-N-Butyl Phthalate	6.344	149	328186	53.10 ug/ml	100
70) Flouranthene	6.862	202	344558	58.59 ug/ml	98
73) Benzidine	6.957	184	14075	14.50 ug/ml	99
74) Pyrene	7.063	202	358876	54.53 ug/ml	99
75) Butylbenzyl phthalate	7.680	149	149727	50.57 ug/ml	96
76) 3,3'-Dichlorobenzidine	8.389	252	112496	57.99 ug/ml	98
77) Benzo(a)anthracene	8.435	228	355097	56.70 ug/ml	100
78) Chrysene	8.489	228	325796	54.64 ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.455	149	212544	52.89 ug/ml	98
81) Di-n-octylphthalate	9.573	149	358016	54.14 ug/ml	98
82) Benzo(b)fluoranthene	10.255	252	339632	57.60 ug/ml	97
83) Benzo(k)fluoranthene	10.304	252	305669	58.77 ug/ml	97
84) Benzo(a)pyrene	10.881	252	297611	58.70 ug/ml	98
85) Indeno(1,2,3-cd)pyrene	12.954	276	252206m	58.96 ug/ml	
86) Dibenz(a,h)anthracene	12.982	278	274750	62.02 ug/ml	96
87) Benzo(g,h,i)perylene	13.348	276	260256	58.50 ug/ml	96

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

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

871

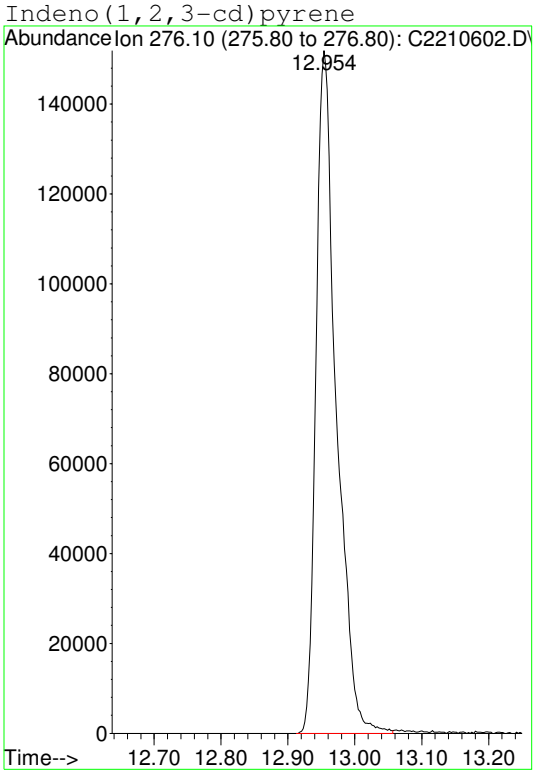
Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504
Misc :

Quant Time : Sat Apr 16 09:59:00 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
QLast Update : Tue Mar 22 12:32:10 2022

Original Integration
Indeno(1,2,3-cd)pyrene



Original Int. Results

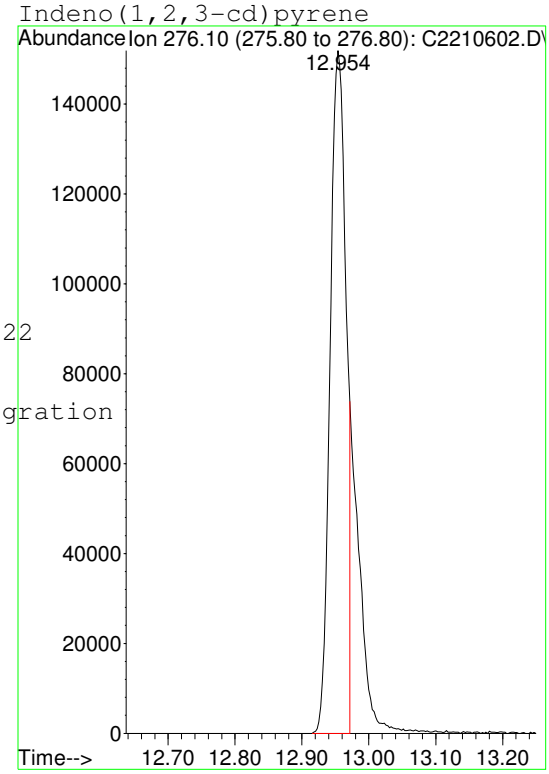
RT : 12.95
Area : 320915
Amount: 75.0277

Manual Int. Results

Sat Apr 16 09:59:00 2022

MIuser: IMR
Reason: Incorrect Integration
RT : 12.95
Area : 252206
Amount: 58.964

Manual Integration
Indeno(1,2,3-cd)pyrene



Evaluate Continuing Calibration Report

873

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	74	0.00
2	S	2-Fluorophenol	100.000	106.494	-6.5	76	0.00
3	S	Phenol-d6	100.000	103.082	-3.1	75	0.00
4		N-Nitrosodimethylamine	50.000	43.539	12.9	66	-0.02
5		Pyridine	50.000	50.950	-1.9	74	-0.02
6		Aniline	50.000	40.030	19.9	63	0.00
7	C	Phenol	50.000	49.339	1.3#	74	0.00
8		Bis(2-chloroethyl)ether	50.000	46.815	6.4	69	0.00
9		2-Chlorophenol	50.000	49.046	1.9	75	0.00
10		1,3-Dichlorobenzene	50.000	52.671	-5.3	81	0.00
11	C	1,4-Dichlorobenzene	50.000	52.776	-5.6#	80	0.00
12		1,2-Dichlorobenzene	50.000	51.965	-3.9	80	0.00
13		2- METHYLPHENOL	50.000	50.616	-1.2	77	0.00
14		Bis(2-Chloroisopropyl)ether	50.000	44.659	10.7	69	0.00
15		Acetophenone	50.000	47.969	4.1	74	0.00
16		3/4- METHYLPHENOL	100.000	98.655	1.3	75	-0.02
17	P	N-Nitroso-Di-N-Propylamine	50.000	46.185	7.6	71	0.00
18		Hexachloroethane	50.000	51.510	-3.0	79	0.00
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	71	0.00
20	S	Nitrobenzene-d5	50.000	53.231	-6.5	74	0.00
21		NITROBENZENE	50.000	52.248	-4.5	75	0.00
22		Isophorone	50.000	51.342	-2.7	74	0.00
23	C	2-Nitrophenol	50.000	51.433	-2.9#	73	0.00
24		2,4-Dimethylphenol	50.000	51.383	-2.8	73	0.00
25		Bis(2-Chloroethoxy)methane	50.000	48.661	2.7	71	0.00
26		Benzoic Acid	50.000	55.004	-10.0	78	0.00
27	C	2,4-Dichlorophenol	50.000	51.977	-4.0#	74	0.00
28		1,2,4-Trichlorobenzene	50.000	55.727	-11.5	81	0.00
29		Naphthalene	50.000	54.915	-9.8	79	0.00
30		4-Chloroaniline	50.000	53.298	-6.6	75	0.00
31	C	Hexachlorobutadiene	50.000	57.900	-15.8#	82	0.00
32	C	4-Chloro-3-Methylphenol	50.000	50.687	-1.4#	72	0.00
33		2-MethylNaphthalene	50.000	57.824	-15.6	83	0.00
34		1-Methylnaphthalene	50.000	52.214	-4.4	76	-0.02
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	71	0.00
36	S	2-Fluorobiphenyl	50.000	57.008	-14.0	80	0.00
37	S	2,4,6-Tribromophenol	100.000	112.175	-12.2	80	0.00
38	P	Hexachlorocyclopentadiene	50.000	34.824	30.4#	51	0.00
39		1,2,4,5-Tetrachlorobenzene	50.000	55.129	-10.3	79	0.00
40	C	2,4,6-Trichlorophenol	50.000	52.390	-4.8#	75	0.00
41		2,4,5-Trichlorophenol	50.000	56.286	-12.6	80	0.00
42		2-ChloroNaphthalene	50.000	58.016	-16.0	83	0.00
43		2-Nitroaniline	50.000	53.857	-7.7	76	0.00
44		1,1-Biphenyl	50.000	58.009	-16.0	83	0.00
45		DIMETHYL PHTHALATE	50.000	52.563	-5.1	75	0.00
46		2,6-DinitroToluene	50.000	55.738	-11.5	80	0.00
47		Acenaphthylene	50.000	57.040	-14.1	81	0.00
48		3-Nitroaniline	50.000	56.286	-12.6	78	0.00
49	C	Acenaphthene	50.000	53.985	-8.0#	77	0.00
50	P	2,4-Dinitrophenol	50.000	40.699	18.6	60	0.00
51	P	4-Nitrophenol	50.000	50.472	-0.9	72	0.00
52		Dibenzofuran	50.000	60.156	-20.3	86	0.00

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
53		2,4-Dinitrotoluene	50.000	55.049	-10.1	76	0.00
54		DIETHYL PHTHALATE	50.000	51.557	-3.1	74	0.00
55		4-Chlorophenyl phenyl ether	50.000	54.127	-8.3	77	0.00
56		Flourene	50.000	56.310	-12.6	80	0.00
57		4-Nitroaniline	50.000	56.077	-12.2	80	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	71	0.00
59		4,6-Dinitro-2-Methylphenol	50.000	48.581	2.8	69	0.00
60	C	N-Nitrosodiphenylamine	42.680	44.500	-4.3#	76	0.00
61		1,2-Diphenylhydrazine	50.000	50.204	-0.4	73	0.00
62		4-Bromophenyl phenyl ether	50.000	52.672	-5.3	76	0.00
63		Hexachlorobenzene	50.000	54.065	-8.1	77	0.00
64	C	Pentachlorophenol	50.000	44.206	11.6#	64	0.00
65		Pentachloronitrobenzene	50.000	54.590	-9.2	80	0.00
66		Phenanthrene	50.000	55.284	-10.6	80	0.00
67		Anthracene	50.000	54.659	-9.3	78	-0.01
68		Carbazole	50.000	56.246	-12.5	81	0.00
69		Di-N-Butyl Phthalate	50.000	53.104	-6.2	75	0.00
70	C	Flouranthene	50.000	58.592	-17.2#	83	0.00
71	I	CHRYSENE-D12	40.000	40.000	0.0	74	0.00
72	S	Terphenyl-d14	50.000	42.085	15.8	62	0.00
73		Benzidine	50.000	14.503	71.0#	40	0.00
74		Pyrene	50.000	54.529	-9.1	82	0.00
75		Butylbenzyl phthalate	50.000	50.567	-1.1	77	0.00
76		3,3'-Dichlorobenzidine	50.000	57.989	-16.0	84	0.00
77		Benzo(a)anthracene	50.000	56.702	-13.4	85	0.00
78		Chrysene	50.000	54.643	-9.3	82	0.00
79		Bis(2-ethylhexyl)phthalate	50.000	52.894	-5.8	79	-0.02
80	I	PERYLENE-D12	40.000	40.000	0.0	73	0.00
81	C	Di-n-octylphthalate	50.000	54.141	-8.3#	80	-0.02
82		Benzo(b)fluoranthene	50.000	57.596	-15.2	84	0.00
83		Benzo(k)fluoranthene	50.000	58.774	-17.5	86	0.00
84	C	Benzo(a)pyrene	50.000	58.695	-17.4#	86	0.00
85		Indeno(1,2,3-cd)pyrene	50.000	58.964	-17.9	83	0.01
86		Dibenz(a,h)anthracene	50.000	62.023	-24.0	85	0.00
87		Benzo(g,h,i)perylene	50.000	58.495	-17.0	80	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 13

Evaluate Continuing Calibration Report

875

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	74	0.00
2	S	2-Fluorophenol	1.033	1.100	-6.5	76	0.00
3	S	Phenol-d6	1.736	1.789	-3.1	75	0.00
4		N-Nitrosodimethylamine	0.581	0.506	12.9	66	-0.02
5		Pyridine	1.362	1.388	-1.9	74	-0.02
6		Aniline	0.574	0.460	19.9	63	0.00
7	C	Phenol	2.070	2.043	1.3#	74	0.00
8		Bis(2-chloroethyl)ether	0.997	0.934	6.3	69	0.00
9		2-Chlorophenol	1.704	1.671	1.9	75	0.00
10		1,3-Dichlorobenzene	1.700	1.790	-5.3	81	0.00
11	C	1,4-Dichlorobenzene	1.744	1.841	-5.6#	80	0.00
12		1,2-Dichlorobenzene	1.644	1.709	-4.0	80	0.00
13		2- METHYLPHENOL	1.448	1.466	-1.2	77	0.00
14		Bis(2-Chloroisopropyl)ether	1.447	1.292	10.7	69	0.00
15		Acetophenone	2.220	2.130	4.1	74	0.00
16		3/4- METHYLPHENOL	1.735	1.712	1.3	75	-0.02
17	P	N-Nitroso-Di-N-Propylamine	1.156	1.068	7.6	71	0.00
18		Hexachloroethane	0.630	0.649	-3.0	79	0.00
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	71	0.00
20	S	Nitrobenzene-d5	0.361	0.384	-6.4	74	0.00
21		NITROBENZENE	0.392	0.409	-4.3	75	0.00
22		Isophorone	0.684	0.702	-2.6	74	0.00
23	C	2-Nitrophenol	0.235	0.241	-2.6#	73	0.00
24		2,4-Dimethylphenol	0.387	0.398	-2.8	73	0.00
25		Bis(2-Chloroethoxy)methane	0.448	0.436	2.7	71	0.00
26		Benzoic Acid	0.229	0.252	-10.0	78	0.00
27	C	2,4-Dichlorophenol	0.362	0.376	-3.9#	74	0.00
28		1,2,4-Trichlorobenzene	0.358	0.399	-11.5	81	0.00
29		Naphthalene	1.169	1.283	-9.8	79	0.00
30		4-Chloroaniline	0.394	0.420	-6.6	75	0.00
31	C	Hexachlorobutadiene	0.193	0.223	-15.5#	82	0.00
32	C	4-Chloro-3-Methylphenol	0.357	0.362	-1.4#	72	0.00
33		2-MethylNaphthalene	0.722	0.835	-15.7	83	0.00
34		1-Methylnaphthalene	0.809	0.845	-4.4	76	-0.02
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	71	0.00
36	S	2-Fluorobiphenyl	1.336	1.523	-14.0	80	0.00
37	S	2,4,6-Tribromophenol	0.171	0.192	-12.3	80	0.00
38	P	Hexachlorocyclopentadiene	0.217	0.176	18.9	51	0.00
39		1,2,4,5-Tetrachlorobenzene	0.642	0.708	-10.3	79	0.00
40	C	2,4,6-Trichlorophenol	0.438	0.459	-4.8#	75	0.00
41		2,4,5-Trichlorophenol	0.428	0.482	-12.6	80	0.00
42		2-ChloroNaphthalene	1.502	1.743	-16.0	83	0.00
43		2-Nitroaniline	0.331	0.357	-7.9	76	0.00
44		1,1-Biphenyl	1.631	1.893	-16.1	83	0.00
45		DIMETHYL PHTHALATE	1.511	1.589	-5.2	75	0.00
46		2,6-DinitroToluene	0.330	0.368	-11.5	80	0.00
47		Acenaphthylene	2.020	2.305	-14.1	81	0.00
48		3-Nitroaniline	0.343	0.387	-12.8	78	0.00
49	C	Acenaphthene	1.352	1.459	-7.9#	77	0.00
50	P	2,4-Dinitrophenol	0.182	0.159	12.6	60	0.00
51	P	4-Nitrophenol	0.180	0.181	-0.6	72	0.00
52		Dibenzofuran	1.741	2.094	-20.3	86	0.00

Data Path : C:\msdchem\1\data\C041622\
Data File : C2210602.D
Acq On : 16 Apr 2022 9:35 am
Operator : BGL
Sample : 8270std 50ppm 2203504 Inst : GCMSSV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 16 09:57:14 2022
Quant Method : C:\msdchem\1\methods\BNC02232.M
Quant Title : SVMS3 (C)- PAHs 2ppm
QLast Update : Tue Mar 22 12:32:10 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53		2,4-Dinitrotoluene	0.447	0.492	-10.1	76	0.00
54		DIETHYL PHTHALATE	1.440	1.484	-3.1	74	0.00
55		4-Chlorophenyl phenyl ether	0.772	0.836	-8.3	77	0.00
56		Flourene	1.514	1.705	-12.6	80	0.00
57		4-Nitroaniline	0.377	0.423	-12.2	80	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	71	0.00
59		4,6-Dinitro-2-Methylphenol	0.148	0.143	3.4	69	0.00
60	C	N-Nitrosodiphenylamine	0.704	0.734	-4.3#	76	0.00
61		1,2-Diphenylhydrazine	0.713	0.716	-0.4	73	0.00
62		4-Bromophenyl phenyl ether	0.241	0.254	-5.4	76	0.00
63		Hexachlorobenzene	0.225	0.243	-8.0	77	0.00
64	C	Pentachlorophenol	0.150	0.133	11.3#	64	0.00
65		Pentachloronitrobenzene	0.040	0.044	-10.0	80	0.00
66		Phenanthrene	1.201	1.328	-10.6	80	0.00
67		Anthracene	1.233	1.348	-9.3	78	-0.01
68		Carbazole	1.157	1.301	-12.4	81	0.00
69		Di-N-Butyl Phthalate	1.402	1.489	-6.2	75	0.00
70	C	Flouranthene	1.334	1.563	-17.2#	83	0.00
71	I	CHRYSENE-D12	1.000	1.000	0.0	74	0.00
72	S	Terphenyl-d14	1.097	0.923	15.9	62	0.00
73		Benzidine	0.223	0.065	70.9#	40#	0.00
74		Pyrene	1.512	1.649	-9.1	82	0.00
75		Butylbenzyl phthalate	0.680	0.688	-1.2	77	0.00
76		3,3'-Dichlorobenzidine	0.446	0.517	-15.9	84	0.00
77		Benzo(a)anthracene	1.438	1.631	-13.4	85	0.00
78		Chrysene	1.369	1.497	-9.3	82	0.00
79		Bis(2-ethylhexyl)phthalate	0.923	0.976	-5.7	79	-0.02
80	I	PERYLENE-D12	1.000	1.000	0.0	73	0.00
81	C	Di-n-octylphthalate	1.660	1.797	-8.3#	80	-0.02
82		Benzo(b)fluoranthene	1.480	1.705	-15.2	84	0.00
83		Benzo(k)fluoranthene	1.305	1.534	-17.5	86	0.00
84	C	Benzo(a)pyrene	1.273	1.494	-17.4#	86	0.00
85		Indeno(1,2,3-cd)pyrene	1.074	1.266	-17.9	83	0.01
86		Dibenz(a,h)anthracene	1.112	1.379	-24.0	85	0.00
87		Benzo(g,h,i)perylene	1.117	1.306	-16.9	80	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 13

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S108004.D	Calibration Date:	04/04/22 08:41
Sequence:	S070527	Injection Date:	04/18/22
Lab Sample ID:	S070527-CCV1	Injection Time:	11:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	52.0	1.372946	1.428437		4.0	20	
Acenaphthylene	A	50.0	50.4	2.188014	2.206395		0.8	20	
Acetophenone	A	50.0	47.2	2.27581	2.147233		-5.6	20	
Aniline	A	50.0	35.8	0.8295499	0.5942507		-28.4	20	*
Anthracene	A	50.0	50.7	1.249074	1.26721		1.5	20	
Benzidine	A	50.0	17.8	0.2388729	8.520095E-02		-64.3	20	*
Benzo(a)anthracene	A	50.0	51.4	1.543954	1.586243		2.7	20	
Benzo(a)pyrene	A	50.0	52.2	1.308666	1.3666		4.4	20	
Benzo(b)fluoranthene	A	50.0	51.9	1.509432	1.566188		3.8	20	
Benzo(g,h,i)perylene	A	50.0	55.7	1.131917	1.260955		11.4	20	
Benzo(k)fluoranthene	A	50.0	52.4	1.329068	1.39288		4.8	20	
Benzoic Acid	A	50.0	50.5	0.2813486	0.2840511		1.0	20	
Bis(2-chloroethoxy)methane	A	50.0	47.3	0.5181659	0.4906028		-5.3	20	
Bis(2-chloroethyl)ether	A	50.0	41.0	1.603576	1.316655		-17.9	20	
Bis(2-chloroisopropyl)ether	A	50.0	36.9	2.989072	2.203595		-26.3	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	47.9	1.229657	1.178514		-4.2	20	
4-Bromophenylphenylether	A	50.0	56.5	0.2243946	0.2535084		13.0	20	
Butylbenzylphthalate	A	50.0	46.6	0.9513588	0.8859473		-6.9	20	
Carbazole	A	50.0	50.0	1.204311	1.204015		-0.02	20	
4-Chloroaniline	A	50.0	48.5	0.4167645	0.4045883		-2.9	20	
4-Chloro-3-methylphenol	A	50.0	49.0	0.4023861	0.3942538		-2.0	20	
2-Chloronaphthalene	A	50.0	55.6	1.560881	1.736731		11.3	20	
2-Chlorophenol	A	50.0	48.4	1.803142	1.743773		-3.3	20	
4-Chlorophenylphenylether	A	50.0	54.4	0.7253942	0.7897709		8.9	20	
Chrysene	A	50.0	50.9	1.422249	1.449093		1.9	20	
Dibenz(a,h)anthracene	A	50.0	54.6	1.149626	1.256258		9.3	20	
Dibenzofuran	A	50.0	51.3	1.764101	1.810917		2.7	20	
Di-n-butylphthalate	A	50.0	50.7	1.65418	1.677143		1.4	20	
1,2-Dichlorobenzene	A	50.0	50.0	1.662722	1.661266		-0.09	20	
1,3-Dichlorobenzene	A	50.0	50.5	1.762837	1.781011		1.0	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S108004.D	Calibration Date:	04/04/22 08:41
Sequence:	S070527	Injection Date:	04/18/22
Lab Sample ID:	S070527-CCV1	Injection Time:	11:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,4-Dichlorobenzene	A	50.0	50.7	1.761675	1.785937		1.4	20
3,3-Dichlorobenzidine	A	50.0	52.9	0.526821	0.5571961		5.8	20
2,4-Dichlorophenol	A	50.0	53.2	0.3639342	0.387452		6.5	20
Diethylphthalate	A	50.0	50.2	1.628092	1.636061		0.5	20
2,4-Dimethylphenol	A	50.0	50.6	0.3977545	0.4027628		1.3	20
Dimethylphthalate	A	50.0	50.6	1.646667	1.664771		1.1	20
4,6-Dinitro-2-methylphenol	A	50.0	51.1	0.1491476	0.1523025		2.1	20
2,4-Dinitrophenol	A	50.0	50.7	0.2184121	0.2215127		1.4	20
2,4-Dinitrotoluene	A	50.0	51.8	0.4597808	0.4759025		3.5	20
2,6-Dinitrotoluene	A	50.0	51.9	0.343774	0.3565748		3.7	20
Di-n-octylphthalate	A	50.0	46.9	2.341219	2.194362		-6.3	20
1,2-Diphenylhydrazine/Azobenzene	A	50.0	45.0	0.9394326	0.8448655		-10.1	20
Fluoranthene	A	50.0	52.8	1.326594	1.402063		5.7	20
Fluorene	A	50.0	51.1	1.46524	1.497037		2.2	20
Hexachlorobenzene	A	50.0	54.3	0.2393112	0.2599979		8.6	20
Hexachlorobutadiene	A	50.0	56.4	0.1792408	0.2021189		12.8	20
Hexachlorocyclopentadiene	A	50.0	55.4	0.3446344	0.3815149		10.7	20
Hexachloroethane	A	50.0	47.6	0.7036808	0.6694597		-4.9	20
Indeno(1,2,3-cd)pyrene	A	50.0	55.9	1.10209	1.231373		11.7	20
Isophorone	A	50.0	45.8	0.8047004	0.7376125		-8.3	20
1-Methylnaphthalene	A	50.0	51.4	0.7560757	0.7768772		2.8	20
2-Methylnaphthalene	A	50.0	51.2	0.6884755	0.7056064		2.5	20
2-Methylphenol	A	50.0	45.6	1.553194	1.417545		-8.7	20
3/4-Methylphenol	A	100	92.9	1.732615	1.609943		-7.1	20
Naphthalene	A	50.0	50.0	1.173781	1.173161		-0.05	20
2-Nitroaniline	A	50.0	43.8	0.4975792	0.4355067		-12.5	20
3-Nitroaniline	A	50.0	47.5	0.3949801	0.375511		-4.9	20
4-Nitroaniline	A	50.0	47.4	0.3994338	0.3782837		-5.3	20
Nitrobenzene	A	50.0	47.4	0.4607835	0.4372186		-5.1	20
2-Nitrophenol	A	50.0	52.0	0.2370074	0.246348		3.9	20

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	GCMSSV4	Calibration:	2200193
Lab File ID:	D22S108004.D	Calibration Date:	04/04/22 08:41
Sequence:	S070527	Injection Date:	04/18/22
Lab Sample ID:	S070527-CCV1	Injection Time:	11:23

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.0	48.5	0.2463673	0.2390625		-3.0	20
N-Nitrosodimethylamine	A	50.0	42.8	1.074008	0.9186789		-14.5	20
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	44.8	0.6910872	0.7246623		4.9	20
N-Nitrosodi-n-propylamine	A	50.0	45.7	1.226752	1.120279		-8.7	20
Pentachloronitrobenzene	A	50.0	56.5	0.0419468	4.741176E-02		13.0	20
Pentachlorophenol	A	50.0	53.9	0.1578667	0.1702857		7.9	20
Phenanthrene	A	50.0	50.4	1.236176	1.244821		0.7	20
Phenol	A	50.0	45.0	2.421806	2.178073		-10.1	20
Pyrene	A	50.0	48.6	1.721838	1.671812		-2.9	20
Pyridine	A	50.0	43.5	1.958957	1.705301		-12.9	20
1,2,4,5-Tetrachlorobenzene	A	50.0	57.1	0.628622	0.7180165		14.2	20
1,2,4-Trichlorobenzene	A	50.0	54.2	0.3522996	0.3818574		8.4	20
2,4,5-Trichlorophenol	A	50.0	54.6	0.4631444	0.5060727		9.3	20
2,4,6-Trichlorophenol	A	50.0	55.9	0.4596459	0.5136758		11.8	20
2-Fluorophenol	A	100	95.4	1.242874	1.185262		-4.6	
Phenol-d6	A	100	92.3	2.00858	1.853768		-7.7	
Nitrobenzene-d5	A	50.0	48.3	0.43051	0.4162009		-3.3	
2-Fluorobiphenyl	A	50.0	54.6	1.317574	1.43925		9.2	
2,4,6-Tribromophenol	A	100	115	0.1751175	0.2016926		15.2	
p-Terphenyl-d14	A	50.0	51.7	1.152304	1.191232		3.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

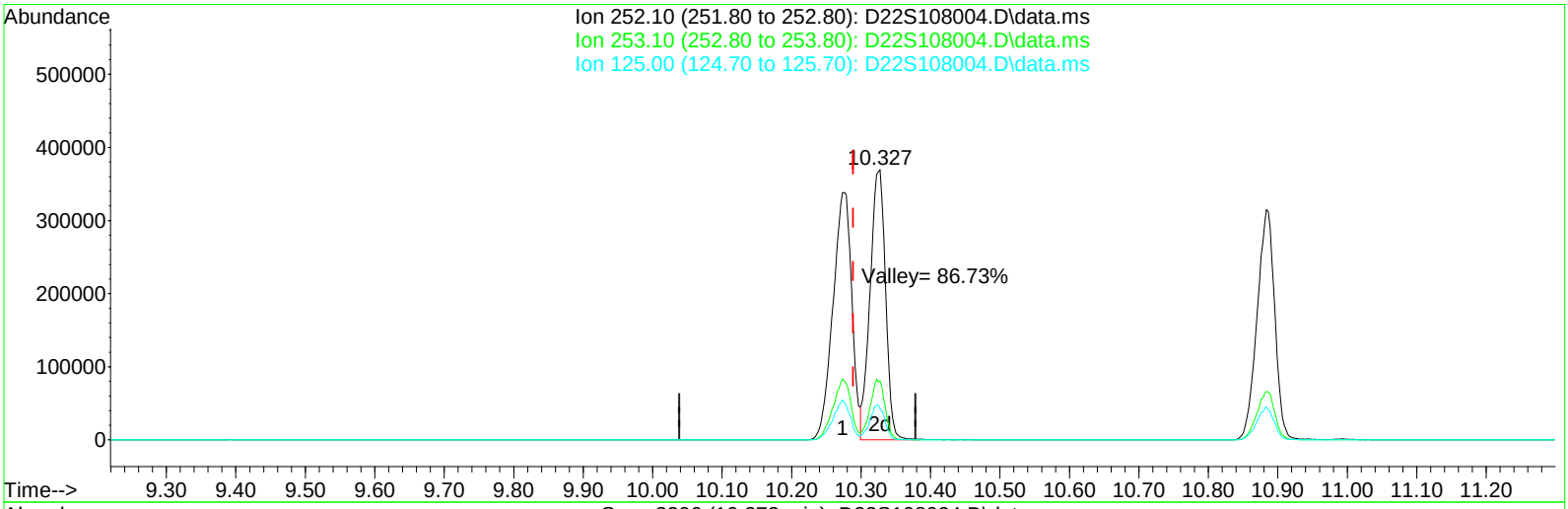
* Values outside of QC limits

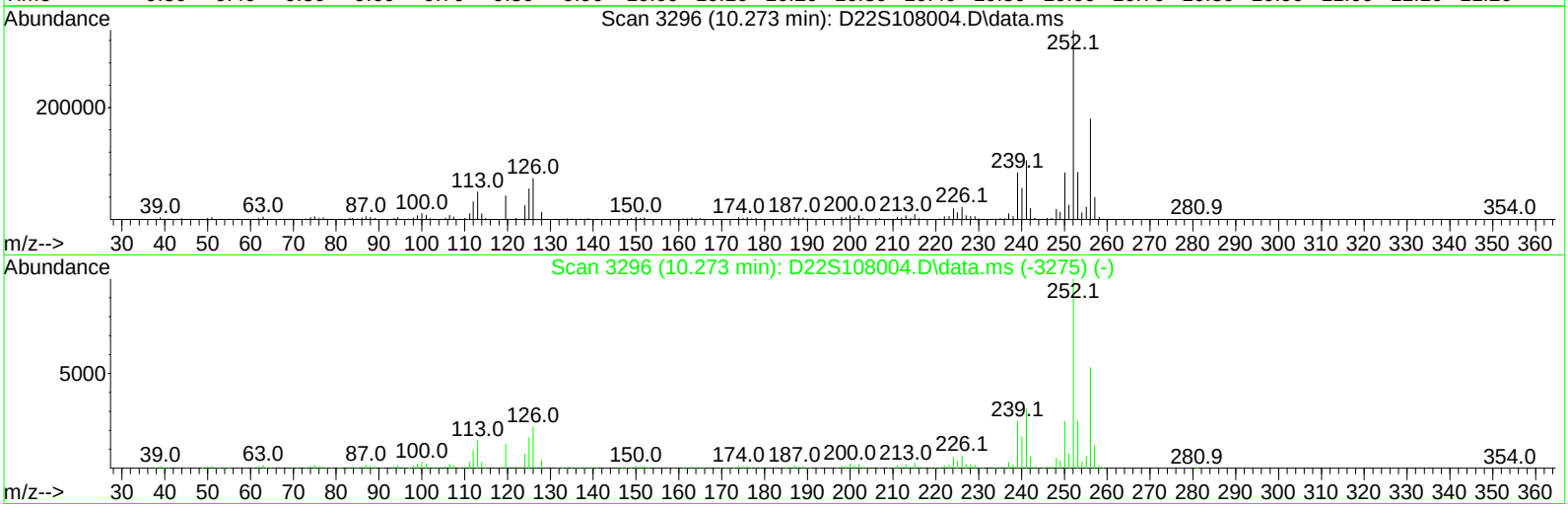
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

880

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration





TIC: D22S108004.D\data.ms

(82) Benzo(b)fluoranthene

10.273min (-0.015) 51.88 ug/ml

response 637280

Ion	Exp%	Act%
252.10	100	100
253.10	23.30	23.62
125.00	18.60	14.64
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	110274	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.055	136	406248	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.124	164	218122	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.048	188	380800	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.497	240	333339	40.00	ug/ml	-0.01
80) PERYLENE-D12	10.994	264	325519	40.00	ug/ml	-0.02
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	326759	95.36	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 47.68%			
3) Phenol-d6	3.118	99	511056	92.29	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 46.15%			
20) Nitrobenzene-d5	3.630	82	211351	48.34	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.34%			
36) 2-Fluorobiphenyl	4.699	172	392415	54.62	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 54.62%			
37) 2,4,6-Tribromophenol	5.616	330	109984	115.18	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 57.59%			
72) Terphenyl-d14	7.240	244	496355	51.69	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 51.69%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.034	42	126633	42.77	ug/ml	96
5) Pyridine	2.062	79	235063	43.53	ug/ml	95
6) Aniline	3.146	66	81913	35.82	ug/ml	93
7) Phenol	3.126	94	300231	44.97	ug/ml	98
8) Bis(2-chloroethyl)ether	3.164	63	181491	41.05	ug/ml	94
9) 2-Chlorophenol	3.216	128	240366	48.35	ug/ml	94
10) 1,3-Dichlorobenzene	3.296	146	245499	50.52	ug/ml	98
11) 1,4-Dichlorobenzene	3.334	146	246178	50.69	ug/ml	99
12) 1,2-Dichlorobenzene	3.419	146	228993	49.96	ug/ml	99
13) 2- METHYLPHENOL	3.453	108	195398	45.63	ug/ml	83
14) Bis(2-Chloroisopropyl)...	3.458	45	303749	36.86	ug/ml#	67
15) Acetophenone	3.540	105	295980	47.18	ug/ml	97
16) 3/4- METHYLPHENOL	3.538	107	443837	92.92	ug/ml	99
17) N-Nitroso-Di-N-Propyla...	3.535	70	154422	45.66	ug/ml	94
18) Hexachloroethane	3.610	117	92280	47.57	ug/ml	90
21) NITROBENZENE	3.641	77	222024	47.44	ug/ml	98
22) Isophorone	3.775	82	374567	45.83	ug/ml	97
23) 2-Nitrophenol	3.826	139	125098	51.97	ug/ml#	81
24) 2,4-Dimethylphenol	3.842	122	204527	50.63	ug/ml	100
25) Bis(2-Chloroethoxy)met...	3.891	93	249133	47.34	ug/ml	99
26) Benzoic Acid	3.896	122	144244	50.48	ug/ml	98
27) 2,4-Dichlorophenol	3.970	162	196752	53.23	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.017	180	193911	54.19	ug/ml	99
29) Naphthalene	4.068	128	595743	49.97	ug/ml	99
30) 4-Chloroaniline	4.094	127	205454	48.54	ug/ml	98
31) Hexachlorobutadiene	4.133	225	102638	56.38	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	200206	48.99	ug/ml	97
33) 2-MethylNaphthalene	4.483	142	358314	51.24	ug/ml	99
34) 1-Methylnaphthalene	4.545	142	394506	51.38	ug/ml	99
38) Hexachlorocyclopentadiene	4.575	237	104021	55.35	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.583	216	195769	57.11	ug/ml	98
40) 2,4,6-Trichlorophenol	4.655	196	140055	55.88	ug/ml	99
41) 2,4,5-Trichlorophenol	4.684	196	137982	54.63	ug/ml	98
42) 2-ChloroNaphthalene	4.784	162	473524	55.63	ug/ml	96

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

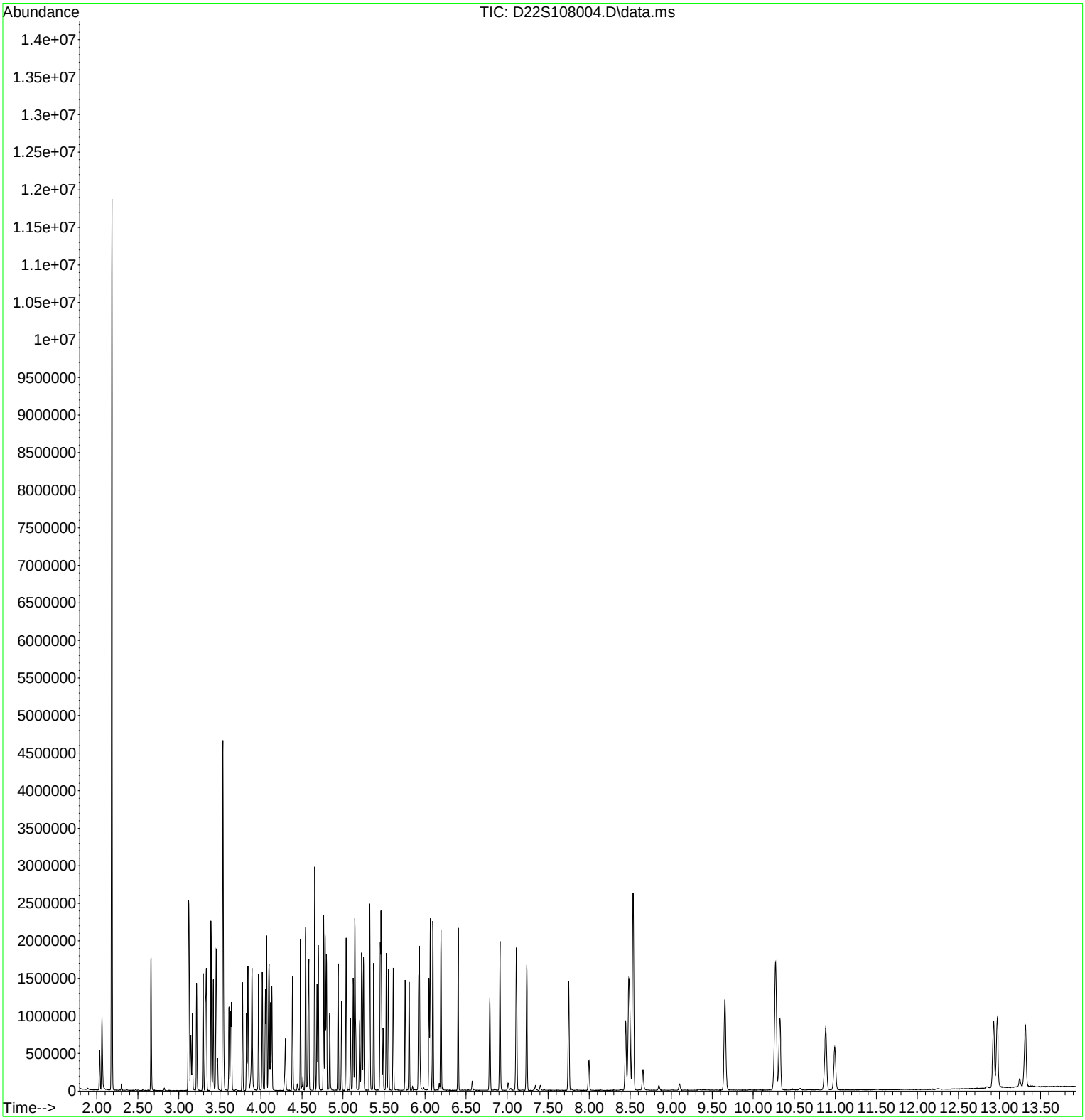
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.841	65	118742	43.76	ug/ml	92
44) 1,1-Biphenyl	4.763	154	462596	52.57	ug/ml#	97
45) DIMETHYL PHTHALATE	4.941	163	453904	50.55	ug/ml	100
46) 2,6-DinitroToluene	4.982	165	97221	51.86	ug/ml	90
47) Acenaphthylene	5.039	152	601579	50.42	ug/ml	99
48) 3-Nitroaniline	5.093	138	102384	47.54	ug/ml	95
49) Acenaphthene	5.144	154	389467	52.02	ug/ml	99
50) 2,4-Dinitrophenol	5.155	184	60396	50.71	ug/ml#	86
51) 4-Nitrophenol	5.204	109	65181	48.52	ug/ml	91
52) Dibenzofuran	5.250	168	493751	51.33	ug/ml	100
53) 2,4-Dinitrotoluene	5.235	165	129756	51.75	ug/ml	91
54) DIETHYL PHTHALATE	5.374	149	446076	50.24	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.453	204	215333	54.44	ug/ml	98
56) Flourene	5.464	166	408171	51.09	ug/ml	100
57) 4-Nitroaniline	5.471	138	103140	47.35	ug/ml#	86
59) 4,6-Dinitro-2-Methylph...	5.489	198	72496	51.06	ug/ml	87
60) N-Nitrosodiphenylamine	5.528	169	295268	44.75	ug/ml	98
61) 1,2-Diphenylhydrazine	5.554	77	402156	44.97	ug/ml	95
62) 4-Bromophenyl phenyl e...	5.760	248	120670	56.49	ug/ml	96
63) Hexachlorobenzene	5.806	284	123759	54.32	ug/ml	96
64) Pentachlorophenol	5.930	266	81056	53.93	ug/ml	100
65) Pentachloronitrobenzene	5.935	295	22568	56.51	ug/ml	97
66) Phenanthrene	6.064	178	592535	50.35	ug/ml	99
67) Anthracene	6.095	178	603192	50.73	ug/ml	99
68) Carbazole	6.195	167	573111	49.99	ug/ml	99
69) Di-N-Butyl Phthalate	6.404	149	798320	50.69	ug/ml	100
70) Flouranthene	6.913	202	667382	52.84	ug/ml	96
73) Benzidine	7.011	184	35501	17.83	ug/ml	95
74) Pyrene	7.114	202	696600	48.55	ug/ml	99
75) Butylbenzyl phthalate	7.753	149	369151	46.56	ug/ml	93
76) 3,3'-Dichlorobenzidine	8.445	252	232169	52.88	ug/ml	98
77) Benzo(a)anthracene	8.481	228	660946	51.37	ug/ml	99
78) Chrysene	8.535	228	603799	50.94	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.538	149	491056	47.92	ug/ml	99
81) Di-n-octylphthalate	9.655	149	892883	46.86	ug/ml	91
82) Benzo(b)fluoranthene	10.273	252	637280	51.88	ug/ml	96
83) Benzo(k)fluoranthene	10.327	252	566761	52.40	ug/ml	94
84) Benzo(a)pyrene	10.884	252	556068	52.21	ug/ml	95
85) Indeno(1,2,3-cd)pyrene	12.931	276	501044	55.87	ug/ml	91
86) Dibenz(a,h)anthracene	12.974	278	511170	54.64	ug/ml	93
87) Benzo(g,h,i)perylene	13.319	276	513081	55.70	ug/ml	90

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

883

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	40.000	40.000	0.0	64	0.00
2	S	2-Fluorophenol	100.000	95.365	4.6	59	0.00
3	S	Phenol-d6	100.000	92.292	7.7	56	0.00
4		N-Nitrosodimethylamine	50.000	42.769	14.5	53	0.00
5		Pyridine	50.000	43.526	12.9	54	0.00
6		Aniline	50.000	35.818	28.4#	52	0.00
7	C	Phenol	50.000	44.968	10.1#	56	0.00
8		Bis(2-chloroethyl)ether	50.000	41.054	17.9	52	0.00
9		2-Chlorophenol	50.000	48.354	3.3	61	0.00
10		1,3-Dichlorobenzene	50.000	50.515	-1.0	65	0.00
11	C	1,4-Dichlorobenzene	50.000	50.689	-1.4#	65	0.00
12		1,2-Dichlorobenzene	50.000	49.956	0.1	65	0.00
13		2- METHYLPHENOL	50.000	45.633	8.7	57	0.00
14		Bis(2-Chloroisopropyl)ether	50.000	36.861	26.3#	46	0.00
15		Acetophenone	50.000	47.175	5.7	60	0.00
16		3/4- METHYLPHENOL	100.000	92.920	7.1	60	0.00
17	P	N-Nitroso-Di-N-Propylamine	50.000	45.660	8.7	57	0.00
18		Hexachloroethane	50.000	47.568	4.9	62	0.00
19	I	NAPHTHALENE-d8	40.000	40.000	0.0	60	0.00
20	S	Nitrobenzene-d5	50.000	48.338	3.3	58	0.00
21		NITROBENZENE	50.000	47.443	5.1	56	0.00
22		Isophorone	50.000	45.831	8.3	54	0.00
23	C	2-Nitrophenol	50.000	51.971	-3.9#	61	0.00
24		2,4-Dimethylphenol	50.000	50.630	-1.3	60	0.00
25		Bis(2-Chloroethoxy)methane	50.000	47.340	5.3	56	0.00
26		Benzoic Acid	50.000	50.480	-1.0	57	0.00
27	C	2,4-Dichlorophenol	50.000	53.231	-6.5#	64	0.00
28		1,2,4-Trichlorobenzene	50.000	54.195	-8.4	65	0.00
29		Naphthalene	50.000	49.974	0.1	61	0.00
30		4-Chloroaniline	50.000	48.539	2.9	56	0.00
31	C	Hexachlorobutadiene	50.000	56.382	-12.8#	69	0.00
32	C	4-Chloro-3-Methylphenol	50.000	48.989	2.0#	57	0.00
33		2-MethylNaphthalene	50.000	51.244	-2.5	61	0.00
34		1-Methylnaphthalene	50.000	51.376	-2.8	62	-0.02
35	I	ACENAPHTHENE-D10	40.000	40.000	0.0	61	0.00
36	S	2-Fluorobiphenyl	50.000	54.617	-9.2	66	0.00
37	S	2,4,6-Tribromophenol	100.000	115.176	-15.2	70	0.00
38	P	Hexachlorocyclopentadiene	50.000	55.351	-10.7	65	0.00
39		1,2,4,5-Tetrachlorobenzene	50.000	57.110	-14.2	69	0.00
40	C	2,4,6-Trichlorophenol	50.000	55.877	-11.8#	68	0.00
41		2,4,5-Trichlorophenol	50.000	54.634	-9.3	66	0.00
42		2-ChloroNaphthalene	50.000	55.633	-11.3	69	0.00
43		2-Nitroaniline	50.000	43.763	12.5	53	0.00
44		1,1-Biphenyl	50.000	52.571	-5.1	65	0.00
45		DIMETHYL PHTHALATE	50.000	50.550	-1.1	62	0.00
46		2,6-DinitroToluene	50.000	51.862	-3.7	61	0.00
47		Acenaphthylene	50.000	50.420	-0.8	61	0.00
48		3-Nitroaniline	50.000	47.535	4.9	54	0.00
49	C	Acenaphthene	50.000	52.021	-4.0#	64	0.00
50	P	2,4-Dinitrophenol	50.000	50.710	-1.4	59	0.00
51	P	4-Nitrophenol	50.000	48.518	3.0	57	0.01

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52		Dibenzofuran	50.000	51.327	-2.7	63	0.00
53		2,4-Dinitrotoluene	50.000	51.753	-3.5	61	0.00
54		DIETHYL PHTHALATE	50.000	50.245	-0.5	60	-0.01
55		4-Chlorophenyl phenyl ether	50.000	54.437	-8.9	66	-0.01
56		Flourene	50.000	51.085	-2.2	63	0.00
57		4-Nitroaniline	50.000	47.352	5.3	57	0.00
58	I	PHENANTHRENE-D10	40.000	40.000	0.0	59	0.00
59		4,6-Dinitro-2-Methylphenol	50.000	51.058	-2.1	59	0.00
60	C	N-Nitrosodiphenylamine	42.680	44.748	-4.8#	62	0.00
61		1,2-Diphenylhydrazine	50.000	44.967	10.1	53	0.00
62		4-Bromophenyl phenyl ether	50.000	56.487	-13.0	67	0.00
63		Hexachlorobenzene	50.000	54.322	-8.6	65	0.00
64	C	Pentachlorophenol	50.000	53.933	-7.9#	62	0.00
65		Pentachloronitrobenzene	50.000	56.514	-13.0	66	0.00
66		Phenanthrene	50.000	50.350	-0.7	61	0.00
67		Anthracene	50.000	50.726	-1.5	61	-0.01
68		Carbazole	50.000	49.988	0.0	59	0.00
69		Di-N-Butyl Phthalate	50.000	50.694	-1.4	59	-0.01
70	C	Flouranthene	50.000	52.844	-5.7#	63	-0.01
71	I	CHRYSENE-D12	40.000	40.000	0.0	64	-0.01
72	S	Terphenyl-d14	50.000	51.689	-3.4	64	-0.01
73		Benzidine	50.000	17.834	64.3#	44	0.00
74		Pyrene	50.000	48.547	2.9	62	-0.01
75		Butylbenzyl phthalate	50.000	46.562	6.9	58	-0.01
76		3,3'-Dichlorobenzidine	50.000	52.883	-5.8	63	-0.02
77		Benzo(a)anthracene	50.000	51.369	-2.7	65	-0.02
78		Chrysene	50.000	50.944	-1.9	65	-0.01
79		Bis(2-ethylhexyl)phthalate	50.000	47.920	4.2	60	-0.02
80	I	PERYLENE-D12	40.000	40.000	0.0	65	-0.02
81	C	Di-n-octylphthalate	50.000	46.864	6.3#	58	-0.03
82		Benzo(b)fluoranthene	50.000	51.880	-3.8	66	-0.02
83		Benzo(k)fluoranthene	50.000	52.401	-4.8	67	-0.01
84	C	Benzo(a)pyrene	50.000	52.214	-4.4#	66	-0.02
85		Indeno(1,2,3-cd)pyrene	50.000	55.865	-11.7	67	0.00
86		Dibenz(a,h)anthracene	50.000	54.638	-9.3	66	-0.01
87		Benzo(g,h,i)perylene	50.000	55.700	-11.4	68	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 13

Evaluate Continuing Calibration Report

886

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-D4	1.000	1.000	0.0	64	0.00
2	S	2-Fluorophenol	1.243	1.185	4.7	59	0.00
3	S	Phenol-d6	2.009	1.854	7.7	56	0.00
4		N-Nitrosodimethylamine	1.074	0.919	14.4	53	0.00
5		Pyridine	1.959	1.705	13.0	54	0.00
6		Aniline	0.830	0.594	28.4#	52	0.00
7	C	Phenol	2.422	2.178	10.1#	56	0.00
8		Bis(2-chloroethyl)ether	1.604	1.317	17.9	52	0.00
9		2-Chlorophenol	1.803	1.744	3.3	61	0.00
10		1,3-Dichlorobenzene	1.763	1.781	-1.0	65	0.00
11	C	1,4-Dichlorobenzene	1.762	1.786	-1.4#	65	0.00
12		1,2-Dichlorobenzene	1.663	1.661	0.1	65	0.00
13		2- METHYLPHENOL	1.553	1.418	8.7	57	0.00
14		Bis(2-Chloroisopropyl)ether	2.989	2.204	26.3#	46	0.00
15		Acetophenone	2.276	2.147	5.7	60	0.00
16		3/4- METHYLPHENOL	1.733	1.610	7.1	60	0.00
17	P	N-Nitroso-Di-N-Propylamine	1.227	1.120	8.7	57	0.00
18		Hexachloroethane	0.704	0.669	5.0	62	0.00
19	I	NAPHTHALENE-d8	1.000	1.000	0.0	60	0.00
20	S	Nitrobenzene-d5	0.431	0.416	3.5	58	0.00
21		NITROBENZENE	0.461	0.437	5.2	56	0.00
22		Isophorone	0.805	0.738	8.3	54	0.00
23	C	2-Nitrophenol	0.237	0.246	-3.8#	61	0.00
24		2,4-Dimethylphenol	0.398	0.403	-1.3	60	0.00
25		Bis(2-Chloroethoxy)methane	0.518	0.491	5.2	56	0.00
26		Benzoic Acid	0.281	0.284	-1.1	57	0.00
27	C	2,4-Dichlorophenol	0.364	0.387	-6.3#	64	0.00
28		1,2,4-Trichlorobenzene	0.352	0.382	-8.5	65	0.00
29		Naphthalene	1.174	1.173	0.1	61	0.00
30		4-Chloroaniline	0.417	0.405	2.9	56	0.00
31	C	Hexachlorobutadiene	0.179	0.202	-12.8#	69	0.00
32	C	4-Chloro-3-Methylphenol	0.402	0.394	2.0#	57	0.00
33		2-MethylNaphthalene	0.688	0.706	-2.6	61	0.00
34		1-Methylnaphthalene	0.756	0.777	-2.8	62	-0.02
35	I	ACENAPHTHENE-D10	1.000	1.000	0.0	61	0.00
36	S	2-Fluorobiphenyl	1.318	1.439	-9.2	66	0.00
37	S	2,4,6-Tribromophenol	0.175	0.202	-15.4	70	0.00
38	P	Hexachlorocyclopentadiene	0.345	0.382	-10.7	65	0.00
39		1,2,4,5-Tetrachlorobenzene	0.629	0.718	-14.1	69	0.00
40	C	2,4,6-Trichlorophenol	0.460	0.514	-11.7#	68	0.00
41		2,4,5-Trichlorophenol	0.463	0.506	-9.3	66	0.00
42		2-ChloroNaphthalene	1.561	1.737	-11.3	69	0.00
43		2-Nitroaniline	0.498	0.436	12.4	53	0.00
44		1,1-Biphenyl	1.614	1.697	-5.1	65	0.00
45		DIMETHYL PHTHALATE	1.647	1.665	-1.1	62	0.00
46		2,6-DinitroToluene	0.344	0.357	-3.8	61	0.00
47		Acenaphthylene	2.188	2.206	-0.8	61	0.00
48		3-Nitroaniline	0.395	0.376	4.8	54	0.00
49	C	Acenaphthene	1.373	1.428	-4.0#	64	0.00
50	P	2,4-Dinitrophenol	0.218	0.222	-1.8	59	0.00
51	P	4-Nitrophenol	0.246	0.239	2.8	57	0.01

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108004.D
Acq On : 18 Apr 2022 11:23 am
Operator : BGL
Sample : 8270std 50 ppm 2203504 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 18 11:36:43 2022
Quant Method : C:\msdchem\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 10% Max. R.T. Dev 1.00min
Max. RRF Dev : 20% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52		Dibenzofuran	1.764	1.811	-2.7	63	0.00
53		2,4-Dinitrotoluene	0.460	0.476	-3.5	61	0.00
54		DIETHYL PHTHALATE	1.628	1.636	-0.5	60	-0.01
55		4-Chlorophenyl phenyl ether	0.725	0.790	-9.0	66	-0.01
56		Flourene	1.465	1.497	-2.2	63	0.00
57		4-Nitroaniline	0.399	0.378	5.3	57	0.00
58	I	PHENANTHRENE-D10	1.000	1.000	0.0	59	0.00
59		4,6-Dinitro-2-Methylphenol	0.149	0.152	-2.0	59	0.00
60	C	N-Nitrosodiphenylamine	0.693	0.727	-4.9#	62	0.00
61		1,2-Diphenylhydrazine	0.939	0.845	10.0	53	0.00
62		4-Bromophenyl phenyl ether	0.224	0.254	-13.4	67	0.00
63		Hexachlorobenzene	0.239	0.260	-8.8	65	0.00
64	C	Pentachlorophenol	0.158	0.170	-7.6#	62	0.00
65		Pentachloronitrobenzene	0.042	0.047	-11.9	66	0.00
66		Phenanthrene	1.236	1.245	-0.7	61	0.00
67		Anthracene	1.249	1.267	-1.4	61	-0.01
68		Carbazole	1.204	1.204	0.0	59	0.00
69		Di-N-Butyl Phthalate	1.654	1.677	-1.4	59	-0.01
70	C	Flouranthene	1.327	1.402	-5.7#	63	-0.01
71	I	CHRYSENE-D12	1.000	1.000	0.0	64	-0.01
72	S	Terphenyl-d14	1.152	1.191	-3.4	64	-0.01
73		Benzidine	0.239	0.085	64.4#	44	0.00
74		Pyrene	1.722	1.672	2.9	62	-0.01
75		Butylbenzyl phthalate	0.951	0.886	6.8	58	-0.01
76		3,3'-Dichlorobenzidine	0.527	0.557	-5.7	63	-0.02
77		Benzo(a)anthracene	1.544	1.586	-2.7	65	-0.02
78		Chrysene	1.422	1.449	-1.9	65	-0.01
79		Bis(2-ethylhexyl)phthalate	1.230	1.179	4.1	60	-0.02
80	I	PERYLENE-D12	1.000	1.000	0.0	65	-0.02
81	C	Di-n-octylphthalate	2.341	2.194	6.3#	58	-0.03
82		Benzo(b)fluoranthene	1.509	1.566	-3.8	66	-0.02
83		Benzo(k)fluoranthene	1.329	1.393	-4.8	67	-0.01
84	C	Benzo(a)pyrene	1.309	1.367	-4.4#	66	-0.02
85		Indeno(1,2,3-cd)pyrene	1.102	1.231	-11.7	67	0.00
86		Dibenz(a,h)anthracene	1.150	1.256	-9.2	66	-0.01
87		Benzo(g,h,i)perylene	1.132	1.261	-11.4	68	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 13

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070357	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070357-CCV1)			*Lab File ID: D22S103002.D*			*Analyzed: 04/13/22 10:06*			
1,4-Dichlorobenzene-d4	116690	3.332	171281	3.332	68	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	425622	4.063	678369	4.063	63	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	227612	5.132	360251	5.131	63	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	416915	6.058	641223	6.056	65	50 - 200	0.0020	+/-0.50	
Chrysene-d12	350490	8.515	517672	8.509	68	50 - 200	0.0060	+/-0.50	
Perylene-d12	329804	11.02	502363	11.01	66	50 - 200	0.0100	+/-0.50	
907017-MW-113S (22D0541-03)			*Lab File ID: D22S103025.D*			*Analyzed: 04/13/22 20:01*			
1,4-Dichlorobenzene-d4	106843	3.329	116690	3.332	92	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	409405	4.06	425622	4.063	96	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	220243	5.132	227612	5.132	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	394133	6.056	416915	6.058	95	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	298045	8.507	350490	8.515	85	50 - 200	-0.0080	+/-0.50	
Perylene-d12	245649	11.012	329804	11.02	74	50 - 200	-0.0080	+/-0.50	
907017-DUP-04062022 (22D0541-04)			*Lab File ID: D22S103026.D*			*Analyzed: 04/13/22 20:26*			
1,4-Dichlorobenzene-d4	110834	3.329	116690	3.332	95	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	429811	4.06	425622	4.063	101	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	230815	5.131	227612	5.132	101	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	416869	6.056	416915	6.058	100	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	320867	8.507	350490	8.515	92	50 - 200	-0.0080	+/-0.50	
Perylene-d12	260552	11.01	329804	11.02	79	50 - 200	-0.0100	+/-0.50	
907017-MW-101 (22D0541-05)			*Lab File ID: D22S103027.D*			*Analyzed: 04/13/22 20:50*			
1,4-Dichlorobenzene-d4	116063	3.332	116690	3.332	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	453948	4.06	425622	4.063	107	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	238832	5.132	227612	5.132	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	428676	6.053	416915	6.058	103	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	327770	8.507	350490	8.515	94	50 - 200	-0.0080	+/-0.50	
Perylene-d12	278090	11.01	329804	11.02	84	50 - 200	-0.0100	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070357	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-MW-114S (22D0541-08)			*Lab File ID: D22S103028.D*			*Analyzed: 04/13/22 21:14*			
1,4-Dichlorobenzene-d4	111289	3.332	116690	3.332	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	436207	4.06	425622	4.063	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	232420	5.131	227612	5.132	102	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	419179	6.056	416915	6.058	101	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	321919	8.507	350490	8.515	92	50 - 200	-0.0080	+/-0.50	
Perylene-d12	266171	11.012	329804	11.02	81	50 - 200	-0.0080	+/-0.50	
907017-MW-115S (22D0541-09)			*Lab File ID: D22S103029.D*			*Analyzed: 04/13/22 21:38*			
1,4-Dichlorobenzene-d4	111282	3.329	116690	3.332	95	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	432614	4.06	425622	4.063	102	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	228564	5.131	227612	5.132	100	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	415262	6.056	416915	6.058	100	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	320865	8.507	350490	8.515	92	50 - 200	-0.0080	+/-0.50	
Perylene-d12	262958	11.01	329804	11.02	80	50 - 200	-0.0100	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070384	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070384-CCV1)			*Lab File ID: D22S104002.D*			*Analyzed: 04/14/22 07:39*			
1,4-Dichlorobenzene-d4	116944	3.332	171281	3.332	68	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	426949	4.063	678369	4.063	63	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	231354	5.131	360251	5.131	64	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	428075	6.056	641223	6.056	67	50 - 200	0.0000	+/-0.50	
Chrysene-d12	351014	8.515	517672	8.509	68	50 - 200	0.0060	+/-0.50	
Perylene-d12	282673	11.015	502363	11.01	56	50 - 200	0.0050	+/-0.50	
LCS (B305646-BS1)			*Lab File ID: D22S104003.D*			*Analyzed: 04/14/22 08:25*			
1,4-Dichlorobenzene-d4	100735	3.332	116944	3.332	86	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	374535	4.063	426949	4.063	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	196275	5.134	231354	5.131	85	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	347630	6.058	428075	6.056	81	50 - 200	0.0020	+/-0.50	
Chrysene-d12	281272	8.517	351014	8.515	80	50 - 200	0.0020	+/-0.50	
Perylene-d12	239640	11.017	282673	11.015	85	50 - 200	0.0020	+/-0.50	
LCS Dup (B305646-BSD1)			*Lab File ID: D22S104004.D*			*Analyzed: 04/14/22 08:50*			
1,4-Dichlorobenzene-d4	120850	3.332	116944	3.332	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	453481	4.063	426949	4.063	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	239089	5.131	231354	5.131	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	427788	6.058	428075	6.056	100	50 - 200	0.0020	+/-0.50	
Chrysene-d12	337993	8.515	351014	8.515	96	50 - 200	0.0000	+/-0.50	
Perylene-d12	297904	11.015	282673	11.015	105	50 - 200	0.0000	+/-0.50	
Blank (B305646-BLK1)			*Lab File ID: D22S104005.D*			*Analyzed: 04/14/22 09:14*			
1,4-Dichlorobenzene-d4	118315	3.329	116944	3.332	101	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	446453	4.06	426949	4.063	105	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	233307	5.131	231354	5.131	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	418304	6.056	428075	6.056	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	351242	8.509	351014	8.515	100	50 - 200	-0.0060	+/-0.50	
Perylene-d12	304553	11.012	282673	11.015	108	50 - 200	-0.0030	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070405	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070405-CCV1)			*Lab File ID: D22S104013.D*			*Analyzed: 04/14/22 12:50*			
1,4-Dichlorobenzene-d4	105286	3.329	171281	3.332	61	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	377877	4.06	678369	4.063	56	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	202438	5.132	360251	5.131	56	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	378881	6.056	641223	6.056	59	50 - 200	0.0000	+/-0.50	
Chrysene-d12	318444	8.512	517672	8.509	62	50 - 200	0.0030	+/-0.50	
Perylene-d12	296199	11.012	502363	11.01	59	50 - 200	0.0020	+/-0.50	
LCS (B305535-BS1)			*Lab File ID: D22S104015.D*			*Analyzed: 04/14/22 13:41*			
1,4-Dichlorobenzene-d4	101888	3.332	105286	3.329	97	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	374887	4.06	377877	4.06	99	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	194883	5.131	202438	5.132	96	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	345876	6.056	378881	6.056	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12	285691	8.512	318444	8.512	90	50 - 200	0.0000	+/-0.50	
Perylene-d12	274581	11.012	296199	11.012	93	50 - 200	0.0000	+/-0.50	
LCS Dup (B305535-BSD1)			*Lab File ID: D22S104016.D*			*Analyzed: 04/14/22 14:05*			
1,4-Dichlorobenzene-d4	106168	3.332	105286	3.329	101	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	391804	4.06	377877	4.06	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	206553	5.131	202438	5.132	102	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	375241	6.056	378881	6.056	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12	313863	8.509	318444	8.512	99	50 - 200	-0.0030	+/-0.50	
Perylene-d12	295076	11.012	296199	11.012	100	50 - 200	0.0000	+/-0.50	
Blank (B305535-BLK1)			*Lab File ID: D22S104017.D*			*Analyzed: 04/14/22 14:29*			
1,4-Dichlorobenzene-d4	113689	3.329	105286	3.329	108	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	431229	4.06	377877	4.06	114	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	226299	5.129	202438	5.132	112	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	407567	6.053	378881	6.056	108	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	344220	8.507	318444	8.512	108	50 - 200	-0.0050	+/-0.50	
Perylene-d12	326606	11.01	296199	11.012	110	50 - 200	-0.0020	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070405	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-MW-102I (22D0541-10)			*Lab File ID: D22S104034.D*			*Analyzed: 04/14/22 21:23*			
1,4-Dichlorobenzene-d4	111109	3.334	105286	3.329	106	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	421128	4.063	377877	4.06	111	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	217151	5.134	202438	5.132	107	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	355835	6.058	378881	6.056	94	50 - 200	0.0020	+/-0.50	
Chrysene-d12	191077	8.515	318444	8.512	60	50 - 200	0.0030	+/-0.50	
Perylene-d12	175784	11.025	296199	11.012	59	50 - 200	0.0130	+/-0.50	
907017-MW-102S (22D0541-11)			*Lab File ID: D22S104035.D*			*Analyzed: 04/14/22 21:47*			
1,4-Dichlorobenzene-d4	122245	3.334	105286	3.329	116	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	467885	4.063	377877	4.06	124	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	245829	5.134	202438	5.132	121	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	403884	6.058	378881	6.056	107	50 - 200	0.0020	+/-0.50	
Chrysene-d12	225891	8.515	318444	8.512	71	50 - 200	0.0030	+/-0.50	
Perylene-d12	194205	11.025	296199	11.012	66	50 - 200	0.0130	+/-0.50	
907017-MW-117D (22D0541-12)			*Lab File ID: D22S104036.D*			*Analyzed: 04/14/22 22:12*			
1,4-Dichlorobenzene-d4	119071	3.334	105286	3.329	113	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	454584	4.063	377877	4.06	120	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	241214	5.134	202438	5.132	119	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	407725	6.058	378881	6.056	108	50 - 200	0.0020	+/-0.50	
Chrysene-d12	227122	8.515	318444	8.512	71	50 - 200	0.0030	+/-0.50	
Perylene-d12	198078	11.025	296199	11.012	67	50 - 200	0.0130	+/-0.50	
907017-MW-117I (22D0541-13)			*Lab File ID: D22S104037.D*			*Analyzed: 04/14/22 22:37*			
1,4-Dichlorobenzene-d4	120660	3.332	105286	3.329	115	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	458738	4.063	377877	4.06	121	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	245252	5.134	202438	5.132	121	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	419566	6.058	378881	6.056	111	50 - 200	0.0020	+/-0.50	
Chrysene-d12	253160	8.515	318444	8.512	79	50 - 200	0.0030	+/-0.50	
Perylene-d12	213271	11.028	296199	11.012	72	50 - 200	0.0160	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070405	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-RB-04052022 (22D0541-16)			*Lab File ID: D22S104038.D*			*Analyzed: 04/14/22 23:02*			
1,4-Dichlorobenzene-d4	125325	3.334	105286	3.329	119	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	479253	4.063	377877	4.06	127	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	252119	5.134	202438	5.132	125	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	440221	6.058	378881	6.056	116	50 - 200	0.0020	+/-0.50	
Chrysene-d12	252821	8.515	318444	8.512	79	50 - 200	0.0030	+/-0.50	
Perylene-d12	220800	11.023	296199	11.012	75	50 - 200	0.0110	+/-0.50	
907017-FB-04052022 (22D0541-17)			*Lab File ID: D22S104039.D*			*Analyzed: 04/14/22 23:27*			
1,4-Dichlorobenzene-d4	116906	3.332	105286	3.329	111	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	451677	4.063	377877	4.06	120	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	241026	5.132	202438	5.132	119	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	418634	6.058	378881	6.056	110	50 - 200	0.0020	+/-0.50	
Chrysene-d12	250889	8.515	318444	8.512	79	50 - 200	0.0030	+/-0.50	
Perylene-d12	207888	11.023	296199	11.012	70	50 - 200	0.0110	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070424	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070424-CCV1)			*Lab File ID: D22S105002.D*			*Analyzed: 04/15/22 08:14*			
1,4-Dichlorobenzene-d4	117573	3.332	171281	3.332	69	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	433832	4.063	678369	4.063	64	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	238318	5.134	360251	5.131	66	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	448711	6.058	641223	6.056	70	50 - 200	0.0020	+/-0.50	
Chrysene-d12	365663	8.52	517672	8.509	71	50 - 200	0.0110	+/-0.50	
Perylene-d12	335780	11.03	502363	11.01	67	50 - 200	0.0200	+/-0.50	
907017-MW-116S (22D0541-01)			*Lab File ID: D22S105021.D*			*Analyzed: 04/15/22 16:03*			
1,4-Dichlorobenzene-d4	115720	3.332	117573	3.332	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	452021	4.06	433832	4.063	104	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	254234	5.132	238318	5.134	107	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	456758	6.056	448711	6.058	102	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	343160	8.512	365663	8.52	94	50 - 200	-0.0080	+/-0.50	
Perylene-d12	322809	11.02	335780	11.03	96	50 - 200	-0.0100	+/-0.50	
907017-MW-109S (22D0541-02)			*Lab File ID: D22S105022.D*			*Analyzed: 04/15/22 16:30*			
1,4-Dichlorobenzene-d4	118687	3.332	117573	3.332	101	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	465776	4.06	433832	4.063	107	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	266709	5.131	238318	5.134	112	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	479822	6.056	448711	6.058	107	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	368315	8.512	365663	8.52	101	50 - 200	-0.0080	+/-0.50	
Perylene-d12	349054	11.02	335780	11.03	104	50 - 200	-0.0100	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070490	Instrument:	GCMSSV3
		Calibration:	2200130

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070490-CCV1)			*Lab File ID: C2210602.D*			*Analyzed: 04/16/22 09:35*			
1,4-Dichlorobenzene-d4	42969	3.28	57748	3.315	74	50 - 200	-0.0350	+/-0.50	
Naphthalene-d8	162992	4.009	230639	4.046	71	50 - 200	-0.0370	+/-0.50	
Acenaphthene-d10	94873	5.077	134469	5.112	71	50 - 200	-0.0350	+/-0.50	
Phenanthrene-d10	176329	5.999	249605	6.034	71	50 - 200	-0.0350	+/-0.50	
Chrysene-d12	174158	8.45	234775	8.5	74	50 - 200	-0.0500	+/-0.50	
Perylene-d12	159364	10.986	217779	11.031	73	50 - 200	-0.0450	+/-0.50	
907017-MW-117S (22D0541-06)			*Lab File ID: C2210607.D*			*Analyzed: 04/16/22 11:52*			
1,4-Dichlorobenzene-d4	41677	3.28	42969	3.28	97	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	166109	4.009	162992	4.009	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	95309	5.077	94873	5.077	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	176020	5.999	176329	5.999	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	155987	8.448	174158	8.45	90	50 - 200	-0.0020	+/-0.50	
Perylene-d12	116172	10.984	159364	10.986	73	50 - 200	-0.0020	+/-0.50	
907017-MW-118S (22D0541-07)			*Lab File ID: C2210608.D*			*Analyzed: 04/16/22 12:19*			
1,4-Dichlorobenzene-d4	45767	3.28	42969	3.28	107	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	174160	4.009	162992	4.009	107	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	102798	5.075	94873	5.077	108	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	190509	5.999	176329	5.999	108	50 - 200	0.0000	+/-0.50	
Chrysene-d12	162352	8.448	174158	8.45	93	50 - 200	-0.0020	+/-0.50	
Perylene-d12	120353	10.986	159364	10.986	76	50 - 200	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070527	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070527-CCV1)			*Lab File ID: D22S108004.D*			*Analyzed: 04/18/22 11:23*			
1,4-Dichlorobenzene-d4	110274	3.324	171281	3.332	64	50 - 200	-0.0080	+/-0.50	
Naphthalene-d8	406248	4.055	678369	4.063	60	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	218122	5.124	360251	5.131	61	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	380800	6.048	641223	6.056	59	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	333339	8.497	517672	8.509	64	50 - 200	-0.0120	+/-0.50	
Perylene-d12	325519	10.994	502363	11.01	65	50 - 200	-0.0160	+/-0.50	
Matrix Spike Dup (B305646-MSD1)			*Lab File ID: D22S108014.D*			*Analyzed: 04/18/22 15:35*			
1,4-Dichlorobenzene-d4	115674	3.324	110274	3.324	105	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	434640	4.055	406248	4.055	107	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	226845	5.126	218122	5.124	104	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	388793	6.051	380800	6.048	102	50 - 200	0.0030	+/-0.50	
Chrysene-d12	279490	8.502	333339	8.497	84	50 - 200	0.0050	+/-0.50	
Perylene-d12	249772	11.007	325519	10.994	77	50 - 200	0.0130	+/-0.50	
907017-MW-109I (22D0541-14)			*Lab File ID: D22S108015.D*			*Analyzed: 04/18/22 16:00*			
1,4-Dichlorobenzene-d4	122783	3.324	110274	3.324	111	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	464637	4.055	406248	4.055	114	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	239945	5.124	218122	5.124	110	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	407662	6.048	380800	6.048	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12	280223	8.497	333339	8.497	84	50 - 200	0.0000	+/-0.50	
Perylene-d12	230149	11.002	325519	10.994	71	50 - 200	0.0080	+/-0.50	
907017-MW-109D (22D0541-15)			*Lab File ID: D22S108016.D*			*Analyzed: 04/18/22 16:25*			
1,4-Dichlorobenzene-d4	113120	3.324	110274	3.324	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	428707	4.055	406248	4.055	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	227366	5.124	218122	5.124	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	387160	6.048	380800	6.048	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12	268056	8.494	333339	8.497	80	50 - 200	-0.0030	+/-0.50	
Perylene-d12	219894	10.999	325519	10.994	68	50 - 200	0.0050	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070527	Instrument:	GCMSSV4
		Calibration:	2200193

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B305646-MS1)			*Lab File ID: D22S108017.D*			*Analyzed: 04/18/22 16:51*			
1,4-Dichlorobenzene-d4	120015	3.324	110274	3.324	109	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	450904	4.055	406248	4.055	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	244199	5.126	218122	5.124	112	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	431728	6.051	380800	6.048	113	50 - 200	0.0030	+/-0.50	
Chrysene-d12	336705	8.502	333339	8.497	101	50 - 200	0.0050	+/-0.50	
Perylene-d12	269642	11.002	325519	10.994	83	50 - 200	0.0080	+/-0.50	
907017-RB-04062022 (22D0541-18)			*Lab File ID: D22S108018.D*			*Analyzed: 04/18/22 17:16*			
1,4-Dichlorobenzene-d4	111370	3.324	110274	3.324	101	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	433629	4.055	406248	4.055	107	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	239909	5.124	218122	5.124	110	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	422805	6.048	380800	6.048	111	50 - 200	0.0000	+/-0.50	
Chrysene-d12	311980	8.497	333339	8.497	94	50 - 200	0.0000	+/-0.50	
Perylene-d12	268152	10.999	325519	10.994	82	50 - 200	0.0050	+/-0.50	
907017-FB-04062022 (22D0541-19)			*Lab File ID: D22S108019.D*			*Analyzed: 04/18/22 17:41*			
1,4-Dichlorobenzene-d4	116646	3.324	110274	3.324	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	449616	4.055	406248	4.055	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	246134	5.124	218122	5.124	113	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	430722	6.048	380800	6.048	113	50 - 200	0.0000	+/-0.50	
Chrysene-d12	324815	8.494	333339	8.497	97	50 - 200	-0.0030	+/-0.50	
Perylene-d12	257078	10.999	325519	10.994	79	50 - 200	0.0050	+/-0.50	

QC DATA

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BLK1	File ID:	D22S104017.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 14:29
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.52	5.0	
208-96-8	Acenaphthylene		0.48	5.0	
98-86-2	Acetophenone		0.53	10	
62-53-3	Aniline		0.70	5.0	V-05
120-12-7	Anthracene		0.46	5.0	
92-87-5	Benzidine		10	20	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene		0.41	5.0	
50-32-8	Benzo(a)pyrene		0.57	5.0	
205-99-2	Benzo(b)fluoranthene		0.47	5.0	
191-24-2	Benzo(g,h,i)perylene		0.61	5.0	
207-08-9	Benzo(k)fluoranthene		0.49	5.0	
65-85-0	Benzoic Acid		8.4	10	
111-91-1	Bis(2-chloroethoxy)methane		0.46	10	
111-44-4	Bis(2-chloroethyl)ether		0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether		0.69	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.84	10	
101-55-3	4-Bromophenylphenylether		0.47	10	
85-68-7	Butylbenzylphthalate		0.67	10	
86-74-8	Carbazole		0.43	10	
106-47-8	4-Chloroaniline		0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol		0.56	10	
91-58-7	2-Chloronaphthalene		0.49	10	
95-57-8	2-Chlorophenol		0.47	10	
7005-72-3	4-Chlorophenylphenylether		0.48	10	
218-01-9	Chrysene		0.40	5.0	
53-70-3	Dibenz(a,h)anthracene		0.69	5.0	
132-64-9	Dibenzofuran		0.49	5.0	
84-74-2	Di-n-butylphthalate		0.46	10	
95-50-1	1,2-Dichlorobenzene		0.67	5.0	
541-73-1	1,3-Dichlorobenzene		0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BLK1	File ID:	D22S104017.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 14:29
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.67	5.0	
91-94-1	3,3-Dichlorobenzidine		0.71	10	
120-83-2	2,4-Dichlorophenol		0.48	10	
84-66-2	Diethylphthalate		0.42	10	
105-67-9	2,4-Dimethylphenol		0.70	10	
131-11-3	Dimethylphthalate		0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol		7.0	10	
51-28-5	2,4-Dinitrophenol		8.1	10	
121-14-2	2,4-Dinitrotoluene		0.61	10	
606-20-2	2,6-Dinitrotoluene		0.52	10	
117-84-0	Di-n-octylphthalate		3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.57	10	
206-44-0	Fluoranthene		0.43	5.0	
86-73-7	Fluorene		0.52	5.0	
118-74-1	Hexachlorobenzene		0.51	10	
87-68-3	Hexachlorobutadiene		0.77	10	
77-47-4	Hexachlorocyclopentadiene		3.7	10	
67-72-1	Hexachloroethane		0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene		0.74	5.0	
78-59-1	Isophorone		0.55	10	
90-12-0	1-Methylnaphthalene		0.60	5.0	
91-57-6	2-Methylnaphthalene		0.69	5.0	
95-48-7	2-Methylphenol		0.47	10	
108-39-4/106-44-5	3/4-Methylphenol		0.46	10	
91-20-3	Naphthalene		0.61	5.0	
88-74-4	2-Nitroaniline		0.69	10	
99-09-2	3-Nitroaniline		0.59	10	
100-01-6	4-Nitroaniline		0.60	10	
98-95-3	Nitrobenzene		0.63	10	
88-75-5	2-Nitrophenol		0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BLK1	File ID:	D22S104017.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 14:29
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	10	
62-75-9	N-Nitrosodimethylamine		0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.38	10	
621-64-7	N-Nitrosodi-n-propylamine		0.61	10	
82-68-8	Pentachloronitrobenzene		0.62	10	
87-86-5	Pentachlorophenol		3.5	10	
85-01-8	Phenanthrene		0.48	5.0	
108-95-2	Phenol		0.23	10	
129-00-0	Pyrene		0.61	5.0	
110-86-1	Pyridine		2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.65	10	
120-82-1	1,2,4-Trichlorobenzene		0.67	5.0	
95-95-4	2,4,5-Trichlorophenol		0.51	10	
88-06-2	2,4,6-Trichlorophenol		0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104017.D
Acq On : 14 Apr 2022 2:29 pm
Operator : BGL
Sample : B305535-BLK1 Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

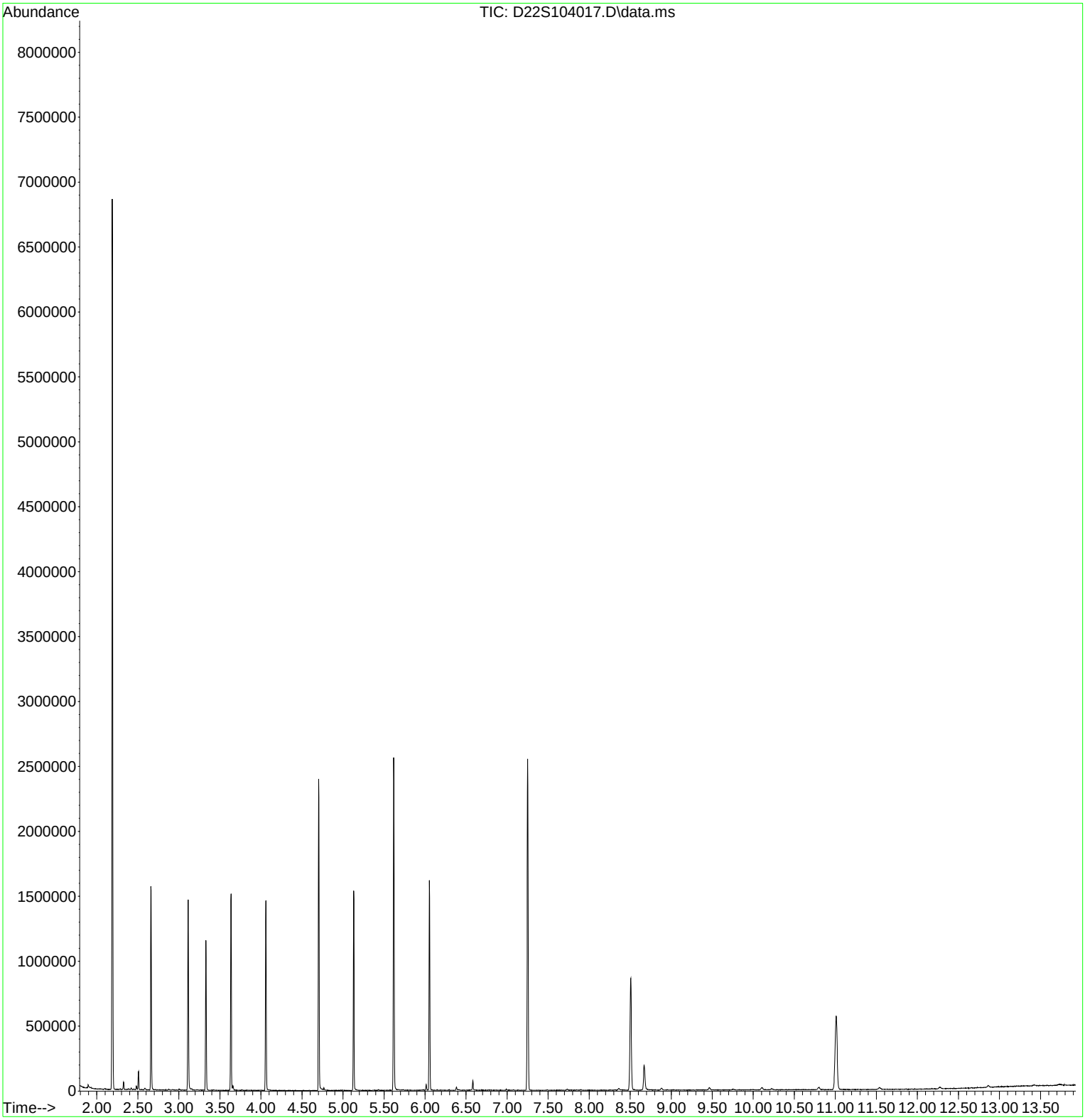
Quant Time: Apr 14 15:24:05 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	113689	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	431229	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.129	164	226299	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.053	188	407567	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.507	240	344220	40.00	ug/ml	0.00
80) PERYLENE-D12	11.010	264	326606	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	278181	78.75	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 39.38%			
3) Phenol-d6	3.113	99	315714	55.30	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 27.65%#			
20) Nitrobenzene-d5	3.636	82	317985	68.51	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 68.51%			
36) 2-Fluorobiphenyl	4.704	172	504516	67.68	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 67.68%			
37) 2,4,6-Tribromophenol	5.621	330	164971	166.52	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 83.26%			
72) Terphenyl-d14	7.251	244	745161	75.15	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 75.15%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104017.D
Acq On : 14 Apr 2022 2:29 pm
Operator : BGL
Sample : B305535-BLK1 Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

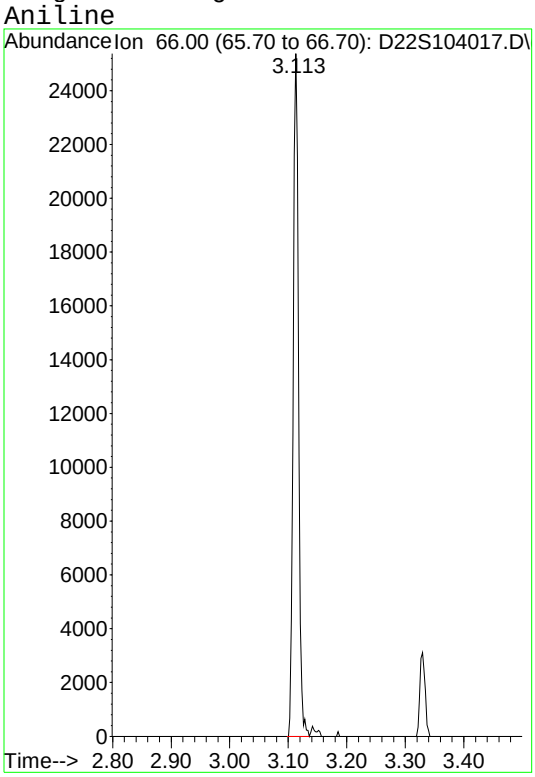
Quant Time: Apr 14 15:24:05 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104017.D
Acq On : 14 Apr 2022 2:29 pm
Operator : BGL
Sample : B305535-BLK1
Misc :

Quant Time : Thu Apr 14 15:24:05 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

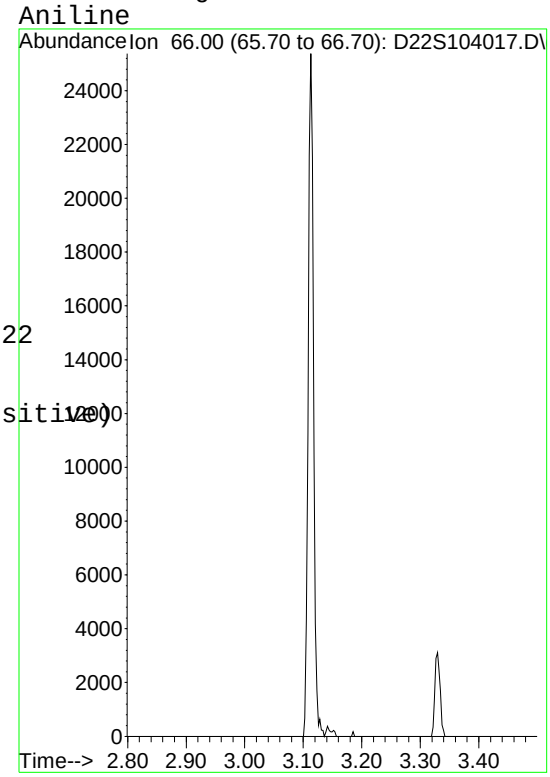
RT : 3.11
Area : 15853
Amount: 6.72373

Manual Int. Results

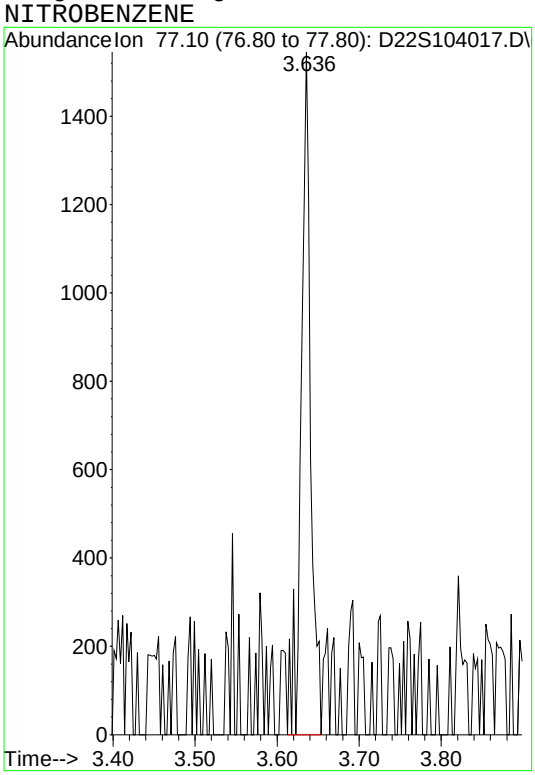
Thu Apr 14 15:23:55 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

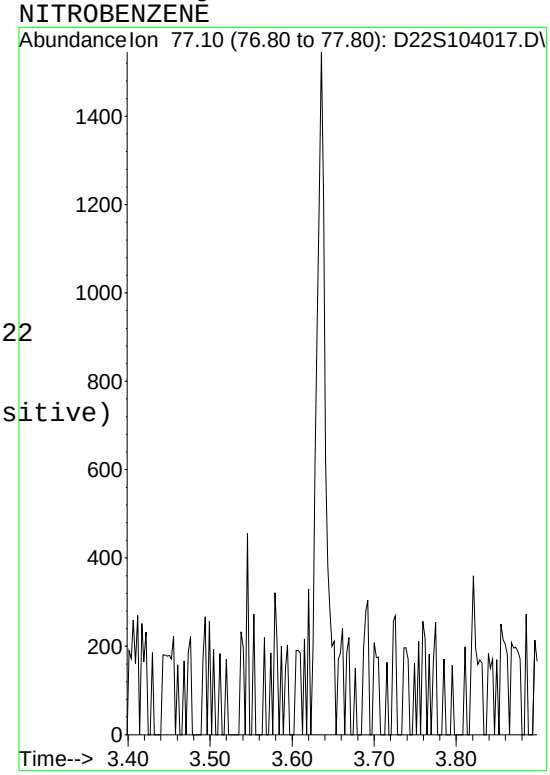
RT : 3.64
Area : 1228
Amount: 0.247203

Manual Int. Results

Thu Apr 14 15:23:58 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

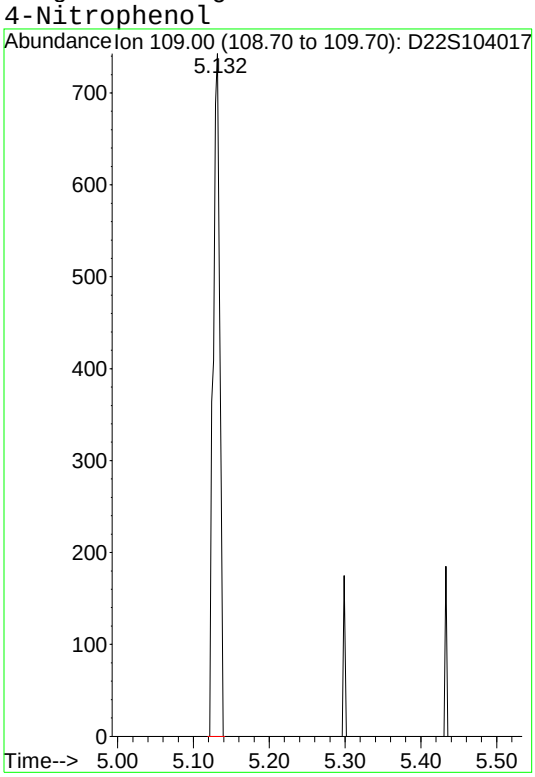
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104017.D
Acq On : 14 Apr 2022 2:29 pm
Operator : BGL
Sample : B305535-BLK1
Misc :

Quant Time : Thu Apr 14 15:24:05 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

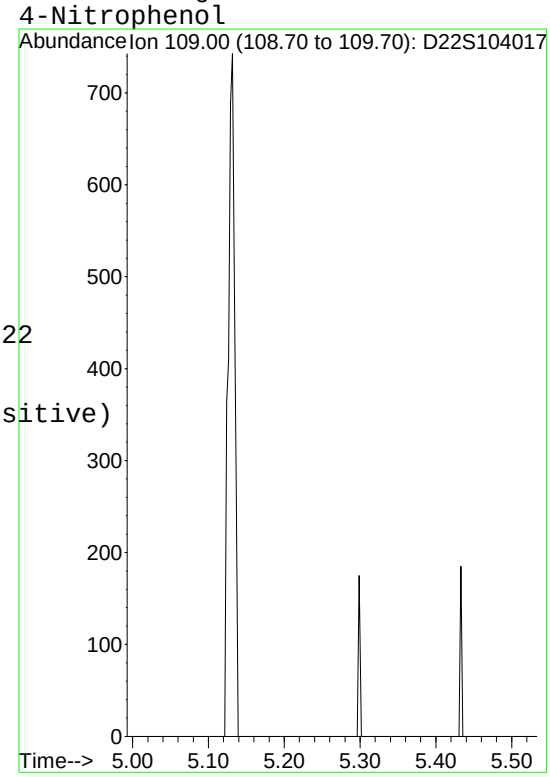
RT : 5.13
Area : 458
Amount: 0.328594

Manual Int. Results

Thu Apr 14 15:24:04 2022

MIuser: IMR
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Laboratory ID:	B305535-BS1	File ID:	D22S104015.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 13:41
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Column:	1				

Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene	41.9	0.52	5.0	
208-96-8	Acenaphthylene	42.1	0.48	5.0	
98-86-2	Acetophenone	38.3	0.53	10	
62-53-3	Aniline	34.9	0.70	5.0	V-05
120-12-7	Anthracene	45.6	0.46	5.0	
92-87-5	Benzidine	66.6	10	20	5, V-35, R-05, V
56-55-3	Benzo(a)anthracene	45.5	0.41	5.0	
50-32-8	Benzo(a)pyrene	51.2	0.57	5.0	
205-99-2	Benzo(b)fluoranthene	47.3	0.47	5.0	
191-24-2	Benzo(g,h,i)perylene	51.4	0.61	5.0	
207-08-9	Benzo(k)fluoranthene	50.6	0.49	5.0	
65-85-0	Benzoic Acid	10.5	8.4	10	
111-91-1	Bis(2-chloroethoxy)methane	39.8	0.46	10	
111-44-4	Bis(2-chloroethyl)ether	30.5	0.57	10	V-05
108-60-1	Bis(2-chloroisopropyl)ether	33.8	0.69	10	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate	43.8	0.84	10	
101-55-3	4-Bromophenylphenylether	41.8	0.47	10	
85-68-7	Butylbenzylphthalate	42.0	0.67	10	
86-74-8	Carbazole	46.0	0.43	10	
106-47-8	4-Chloroaniline	41.9	0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol	41.5	0.56	10	
91-58-7	2-Chloronaphthalene	37.8	0.49	10	
95-57-8	2-Chlorophenol	32.3	0.47	10	
7005-72-3	4-Chlorophenylphenylether	43.6	0.48	10	
218-01-9	Chrysene	45.2	0.40	5.0	
53-70-3	Dibenz(a,h)anthracene	48.4	0.69	5.0	
132-64-9	Dibenzofuran	47.0	0.49	5.0	
84-74-2	Di-n-butylphthalate	43.5	0.46	10	
95-50-1	1,2-Dichlorobenzene	25.6	0.67	5.0	
541-73-1	1,3-Dichlorobenzene	23.4	0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BS1	File ID:	D22S104015.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 13:41
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene	24.2	0.67	5.0	
91-94-1	3,3-Dichlorobenzidine	46.8	0.71	10	
120-83-2	2,4-Dichlorophenol	41.0	0.48	10	
84-66-2	Diethylphthalate	44.2	0.42	10	
105-67-9	2,4-Dimethylphenol	40.4	0.70	10	
131-11-3	Dimethylphthalate	42.8	0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol	44.4	7.0	10	
51-28-5	2,4-Dinitrophenol	40.4	8.1	10	
121-14-2	2,4-Dinitrotoluene	48.0	0.61	10	
606-20-2	2,6-Dinitrotoluene	47.8	0.52	10	
117-84-0	Di-n-octylphthalate	43.2	3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene	44.2	0.57	10	
206-44-0	Fluoranthene	46.2	0.43	5.0	
86-73-7	Fluorene	45.0	0.52	5.0	
118-74-1	Hexachlorobenzene	45.4	0.51	10	
87-68-3	Hexachlorobutadiene	27.8	0.77	10	
77-47-4	Hexachlorocyclopentadiene	31.4	3.7	10	
67-72-1	Hexachloroethane	21.8	0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene	48.9	0.74	5.0	
78-59-1	Isophorone	45.3	0.55	10	
90-12-0	1-Methylnaphthalene	35.4	0.60	5.0	
91-57-6	2-Methylnaphthalene	40.2	0.69	5.0	
95-48-7	2-Methylphenol	34.7	0.47	10	
108-39-4/106-44-5	3/4-Methylphenol	34.5	0.46	10	
91-20-3	Naphthalene	34.0	0.61	5.0	
88-74-4	2-Nitroaniline	53.8	0.69	10	
99-09-2	3-Nitroaniline	44.1	0.59	10	
100-01-6	4-Nitroaniline	48.1	0.60	10	
98-95-3	Nitrobenzene	38.4	0.63	10	
88-75-5	2-Nitrophenol	37.3	0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BS1	File ID:	D22S104015.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 13:41
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol	23.5	2.1	10	
62-75-9	N-Nitrosodimethylamine	22.2	0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	46.3	0.38	10	
621-64-7	N-Nitrosodi-n-propylamine	39.2	0.61	10	
82-68-8	Pentachloronitrobenzene	45.2	0.62	10	
87-86-5	Pentachlorophenol	42.2	3.5	10	
85-01-8	Phenanthrene	45.2	0.48	5.0	
108-95-2	Phenol	16.0	0.23	10	
129-00-0	Pyrene	44.7	0.61	5.0	
110-86-1	Pyridine	15.5	2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	39.9	0.65	10	
120-82-1	1,2,4-Trichlorobenzene	31.4	0.67	5.0	
95-95-4	2,4,5-Trichlorophenol	48.4	0.51	10	
88-06-2	2,4,6-Trichlorophenol	45.8	0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104015.D
Acq On : 14 Apr 2022 1:41 pm
Operator : BGL
Sample : B305535-BS1@8270W625 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 14 13:53:21 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	101888	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.060	136	374887	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	194883	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	345876	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.512	240	285691	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	274581	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	284493	89.86	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 44.93%			
3) Phenol-d6	3.115	99	364383	71.22	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 35.61%			
20) Nitrobenzene-d5	3.635	82	329438	81.65	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 81.65%			
36) 2-Fluorobiphenyl	4.707	172	589308	91.80	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 91.80%			
37) 2,4,6-Tribromophenol	5.623	330	172160	201.78	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 100.89%			
72) Terphenyl-d14	7.253	244	756058	91.87	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 91.87%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.042	42	60635	22.16	ug/ml	91
5) Pyridine	2.070	79	77403	15.51	ug/ml	97
6) Aniline	3.149	66	73814	34.93	ug/ml	96
7) Phenol	3.123	94	98667	15.99	ug/ml	85
8) Bis(2-chloroethyl)ether	3.169	63	124673	30.52	ug/ml	95
9) 2-Chlorophenol	3.218	128	148232	32.27	ug/ml	97
10) 1,3-Dichlorobenzene	3.301	146	105235	23.44	ug/ml	99
11) 1,4-Dichlorobenzene	3.339	146	108674	24.22	ug/ml	100
12) 1,2-Dichlorobenzene	3.427	146	108555	25.63	ug/ml	99
13) 2- METHYLPHENOL	3.453	108	137301	34.70	ug/ml#	79
14) Bis(2-Chloroisopropyl)...	3.463	45	257683	33.84	ug/ml#	74
15) Acetophenone	3.545	105	222089	38.31	ug/ml#	80
16) 3/4- METHYLPHENOL	3.535	107	152299	34.51	ug/ml#	66
17) N-Nitroso-Di-N-Propyla...	3.538	70	122490	39.20	ug/ml	88
18) Hexachloroethane	3.617	117	39139	21.84	ug/ml	95
21) NITROBENZENE	3.648	77	165955	38.43	ug/ml	99
22) Isophorone	3.780	82	341512	45.28	ug/ml	99
23) 2-Nitrophenol	3.831	139	82906	37.32	ug/ml	96
24) 2,4-Dimethylphenol	3.844	122	150679	40.42	ug/ml	98
25) Bis(2-Chloroethoxy)met...	3.895	93	193098	39.76	ug/ml	97
26) Benzoic Acid	3.875	122	27664	10.49	ug/ml#	80
27) 2,4-Dichlorophenol	3.973	162	139693	40.96	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.024	180	103503	31.35	ug/ml	100
29) Naphthalene	4.073	128	373562	33.96	ug/ml	100
30) 4-Chloroaniline	4.096	127	163615	41.89	ug/ml	99
31) Hexachlorobutadiene	4.140	225	46673	27.78	ug/ml	99
32) 4-Chloro-3-Methylphenol	4.385	107	156484	41.49	ug/ml	100
33) 2-MethylNaphthalene	4.488	142	259098	40.15	ug/ml	99
34) 1-Methylnaphthalene	4.549	142	251158	35.44	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	52657	31.36	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	122077	39.86	ug/ml	99
40) 2,4,6-Trichlorophenol	4.658	196	102574	45.80	ug/ml	99
41) 2,4,5-Trichlorophenol	4.686	196	109287	48.43	ug/ml	99
42) 2-ChloroNaphthalene	4.789	162	287685	37.83	ug/ml	100

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104015.D
Acq On : 14 Apr 2022 1:41 pm
Operator : BGL
Sample : B305535-BS1@8270W625 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 14 13:53:21 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

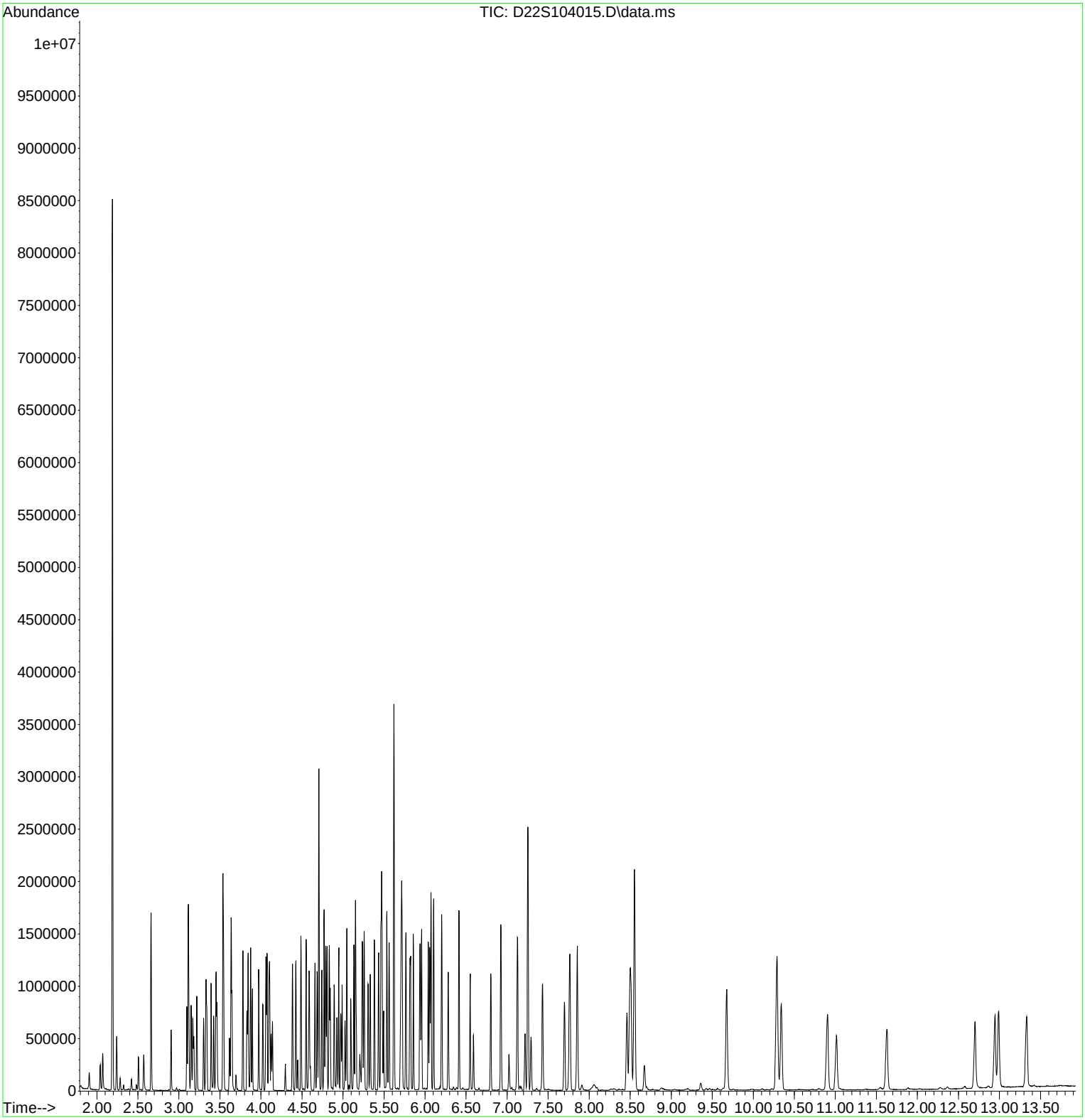
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.846	65	130462	53.82	ug/ml	88
44) 1,1-Biphenyl	4.771	154	340485	43.31	ug/ml	98
45) DIMETHYL PHTHALATE	4.949	163	343351	42.80	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	80125	47.84	ug/ml	97
47) Acenaphthylene	5.046	152	448376	42.06	ug/ml	99
48) 3-Nitroaniline	5.095	138	84849	44.09	ug/ml	98
49) Acenaphthene	5.152	154	280532	41.94	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	42974	40.38	ug/ml#	86
51) 4-Nitrophenol	5.206	109	28245	23.53	ug/ml	97
52) Dibenzofuran	5.258	168	403588	46.96	ug/ml	98
53) 2,4-Dinitrotoluene	5.239	165	107632	48.05	ug/ml	98
54) DIETHYL PHTHALATE	5.381	149	350821	44.23	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.461	204	154194	43.63	ug/ml	100
56) Flourene	5.471	166	320907	44.95	ug/ml	100
57) 4-Nitroaniline	5.476	138	93593	48.09	ug/ml	96
59) 4,6-Dinitro-2-Methylph...	5.494	198	57299	44.43	ug/ml	96
60) N-Nitrosodiphenylamine	5.536	169	277431	46.29	ug/ml	99
61) 1,2-Diphenylhydrazine	5.561	77	359368	44.24	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.767	248	81063	41.78	ug/ml	98
63) Hexachlorobenzene	5.814	284	93990	45.42	ug/ml	99
64) Pentachlorophenol	5.937	266	57547	42.16	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	16392	45.19	ug/ml	87
66) Phenanthrene	6.071	178	483278	45.21	ug/ml	100
67) Anthracene	6.105	178	492241	45.58	ug/ml	99
68) Carbazole	6.202	167	479019	46.00	ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	622493	43.52	ug/ml	100
70) Flouranthene	6.923	202	530064	46.21	ug/ml	97
73) Benzidine	7.024	184	113571	66.57	ug/ml	96
74) Pyrene	7.127	202	549339	44.67	ug/ml	99
75) Butylbenzyl phthalate	7.765	149	285282	41.98	ug/ml	97
76) 3,3'-Dichlorobenzidine	8.461	252	176173	46.82	ug/ml	98
77) Benzo(a)anthracene	8.497	228	501446	45.47	ug/ml	99
78) Chrysene	8.551	228	458675	45.15	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.556	149	385006	43.84	ug/ml	99
81) Di-n-octylphthalate	9.676	149	693445	43.15	ug/ml	95
82) Benzo(b)fluoranthene	10.289	252	489672	47.26	ug/ml	97
83) Benzo(k)fluoranthene	10.343	252	461573	50.59	ug/ml	95
84) Benzo(a)pyrene	10.904	252	459972	51.20	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.946	276	370042	48.91	ug/ml	94
86) Dibenz(a,h)anthracene	12.992	278	382193	48.43	ug/ml	96
87) Benzo(g,h,i)perylene	13.332	276	398968	51.35	ug/ml	94

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104015.D
Acq On : 14 Apr 2022 1:41 pm
Operator : BGL
Sample : B305535-BS1@8270W625 Inst : GCMSSV4
Misc :
ALS Vial : 15 Sample Multiplier: 1

911

Quant Time: Apr 14 13:53:21 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BSD1	File ID:	D22S104016.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 14:05
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Column:	1				

Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene	38.0	0.52	5.0	
208-96-8	Acenaphthylene	37.8	0.48	5.0	
98-86-2	Acetophenone	36.9	0.53	10	
62-53-3	Aniline	34.9	0.70	5.0	V-05
120-12-7	Anthracene	42.0	0.46	5.0	
92-87-5	Benzidine	25.4	10	20	)5, V-04, V-05, V
56-55-3	Benzo(a)anthracene	42.3	0.41	5.0	
50-32-8	Benzo(a)pyrene	47.0	0.57	5.0	
205-99-2	Benzo(b)fluoranthene	44.0	0.47	5.0	
191-24-2	Benzo(g,h,i)perylene	47.9	0.61	5.0	
207-08-9	Benzo(k)fluoranthene	47.1	0.49	5.0	
65-85-0	Benzoic Acid	13.7	8.4	10	
111-91-1	Bis(2-chloroethoxy)methane	36.0	0.46	10	
111-44-4	Bis(2-chloroethyl)ether	31.6	0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether	34.4	0.69	10	
117-81-7	Bis(2-Ethylhexyl)phthalate	40.9	0.84	10	
101-55-3	4-Bromophenylphenylether	38.9	0.47	10	
85-68-7	Butylbenzylphthalate	39.5	0.67	10	
86-74-8	Carbazole	43.2	0.43	10	
106-47-8	4-Chloroaniline	40.6	0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol	38.6	0.56	10	
91-58-7	2-Chloronaphthalene	33.6	0.49	10	
95-57-8	2-Chlorophenol	32.6	0.47	10	
7005-72-3	4-Chlorophenylphenylether	39.7	0.48	10	
218-01-9	Chrysene	41.5	0.40	5.0	
53-70-3	Dibenz(a,h)anthracene	45.5	0.69	5.0	
132-64-9	Dibenzofuran	42.4	0.49	5.0	
84-74-2	Di-n-butylphthalate	41.5	0.46	10	
95-50-1	1,2-Dichlorobenzene	27.0	0.67	5.0	
541-73-1	1,3-Dichlorobenzene	25.1	0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Laboratory ID:	B305535-BSD1	File ID:	D22S104016.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 14:05
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene	25.8	0.67	5.0	
91-94-1	3,3-Dichlorobenzidine	43.4	0.71	10	
120-83-2	2,4-Dichlorophenol	37.1	0.48	10	
84-66-2	Diethylphthalate	41.7	0.42	10	
105-67-9	2,4-Dimethylphenol	37.2	0.70	10	
131-11-3	Dimethylphthalate	40.3	0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol	42.7	7.0	10	
51-28-5	2,4-Dinitrophenol	40.3	8.1	10	
121-14-2	2,4-Dinitrotoluene	45.6	0.61	10	
606-20-2	2,6-Dinitrotoluene	44.8	0.52	10	
117-84-0	Di-n-octylphthalate	41.2	3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene	40.7	0.57	10	
206-44-0	Fluoranthene	43.5	0.43	5.0	
86-73-7	Fluorene	41.0	0.52	5.0	
118-74-1	Hexachlorobenzene	41.5	0.51	10	
87-68-3	Hexachlorobutadiene	26.8	0.77	10	
77-47-4	Hexachlorocyclopentadiene	27.8	3.7	10	
67-72-1	Hexachloroethane	23.3	0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene	45.1	0.74	5.0	
78-59-1	Isophorone	41.8	0.55	10	
90-12-0	1-Methylnaphthalene	32.6	0.60	5.0	
91-57-6	2-Methylnaphthalene	36.4	0.69	5.0	
95-48-7	2-Methylphenol	32.9	0.47	10	
108-39-4/106-44-5	3/4-Methylphenol	32.4	0.46	10	
91-20-3	Naphthalene	32.7	0.61	5.0	
88-74-4	2-Nitroaniline	50.2	0.69	10	
99-09-2	3-Nitroaniline	42.7	0.59	10	
100-01-6	4-Nitroaniline	45.3	0.60	10	
98-95-3	Nitrobenzene	37.0	0.63	10	
88-75-5	2-Nitrophenol	35.7	0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305535-BSD1	File ID:	D22S104016.D
Sampled:		Prepared:	04/12/22 07:16	Analyzed:	04/14/22 14:05
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305535	Sequence:	S070405	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol	22.6	2.1	10	
62-75-9	N-Nitrosodimethylamine	23.9	0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	42.2	0.38	10	
621-64-7	N-Nitrosodi-n-propylamine	36.3	0.61	10	
82-68-8	Pentachloronitrobenzene	42.4	0.62	10	
87-86-5	Pentachlorophenol	39.0	3.5	10	
85-01-8	Phenanthrene	41.9	0.48	5.0	
108-95-2	Phenol	15.8	0.23	10	
129-00-0	Pyrene	41.7	0.61	5.0	
110-86-1	Pyridine	12.3	2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	34.8	0.65	10	
120-82-1	1,2,4-Trichlorobenzene	30.2	0.67	5.0	
95-95-4	2,4,5-Trichlorophenol	44.6	0.51	10	
88-06-2	2,4,6-Trichlorophenol	41.5	0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104016.D
Acq On : 14 Apr 2022 2:05 pm
Operator : BGL
Sample : B305535-BSD1 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 14 14:17:42 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	106168	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.060	136	391804	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	206553	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	375241	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.509	240	313863	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	295076	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	319035	96.71	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 48.35%			
3) Phenol-d6	3.115	99	368329	69.09	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 34.55%			
20) Nitrobenzene-d5	3.635	82	326184	77.35	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 77.35%			
36) 2-Fluorobiphenyl	4.707	172	548703	80.65	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.65%			
37) 2,4,6-Tribromophenol	5.621	330	170939	189.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 94.52%			
72) Terphenyl-d14	7.253	244	762512	84.33	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 84.33%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.042	42	68085	23.88	ug/ml	92
5) Pyridine	2.070	79	63989	12.31	ug/ml	96
6) Aniline	3.149	66	76808	34.88	ug/ml	95
7) Phenol	3.120	94	101895	15.85	ug/ml	84
8) Bis(2-chloroethyl)ether	3.169	63	134413	31.58	ug/ml	95
9) 2-Chlorophenol	3.218	128	155883	32.57	ug/ml	97
10) 1,3-Dichlorobenzene	3.301	146	117363	25.08	ug/ml	100
11) 1,4-Dichlorobenzene	3.339	146	120754	25.83	ug/ml	99
12) 1,2-Dichlorobenzene	3.424	146	119234	27.02	ug/ml	99
13) 2- METHYLPHENOL	3.453	108	135767	32.93	ug/ml#	82
14) Bis(2-Chloroisopropyl)...	3.463	45	273137	34.43	ug/ml#	76
15) Acetophenone	3.545	105	222961	36.91	ug/ml#	80
16) 3/4- METHYLPHENOL	3.535	107	148921	32.38	ug/ml#	64
17) N-Nitroso-Di-N-Propyla...	3.538	70	118098	36.27	ug/ml	89
18) Hexachloroethane	3.617	117	43516	23.30	ug/ml	95
21) NITROBENZENE	3.648	77	167133	37.03	ug/ml	99
22) Isophorone	3.780	82	329507	41.80	ug/ml	99
23) 2-Nitrophenol	3.831	139	82891	35.71	ug/ml	97
24) 2,4-Dimethylphenol	3.844	122	144875	37.19	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.896	93	182812	36.02	ug/ml	96
26) Benzoic Acid	3.877	122	37867	13.74	ug/ml	90
27) 2,4-Dichlorophenol	3.973	162	132169	37.08	ug/ml	100
28) 1,2,4-Trichlorobenzene	4.024	180	104287	30.22	ug/ml	99
29) Naphthalene	4.073	128	375691	32.68	ug/ml	100
30) 4-Chloroaniline	4.096	127	165536	40.55	ug/ml	99
31) Hexachlorobutadiene	4.140	225	47131	26.84	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	152060	38.58	ug/ml	100
33) 2-MethylNaphthalene	4.488	142	245654	36.43	ug/ml	99
34) 1-Methylnaphthalene	4.550	142	241341	32.59	ug/ml	99
38) Hexachlorocyclopentadiene	4.583	237	49549	27.84	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	4.591	216	112961	34.80	ug/ml	100
40) 2,4,6-Trichlorophenol	4.658	196	98406	41.46	ug/ml	99
41) 2,4,5-Trichlorophenol	4.686	196	106558	44.56	ug/ml	98
42) 2-ChloroNaphthalene	4.789	162	270440	33.55	ug/ml	100

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104016.D
Acq On : 14 Apr 2022 2:05 pm
Operator : BGL
Sample : B305535-BSD1 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 14 14:17:42 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

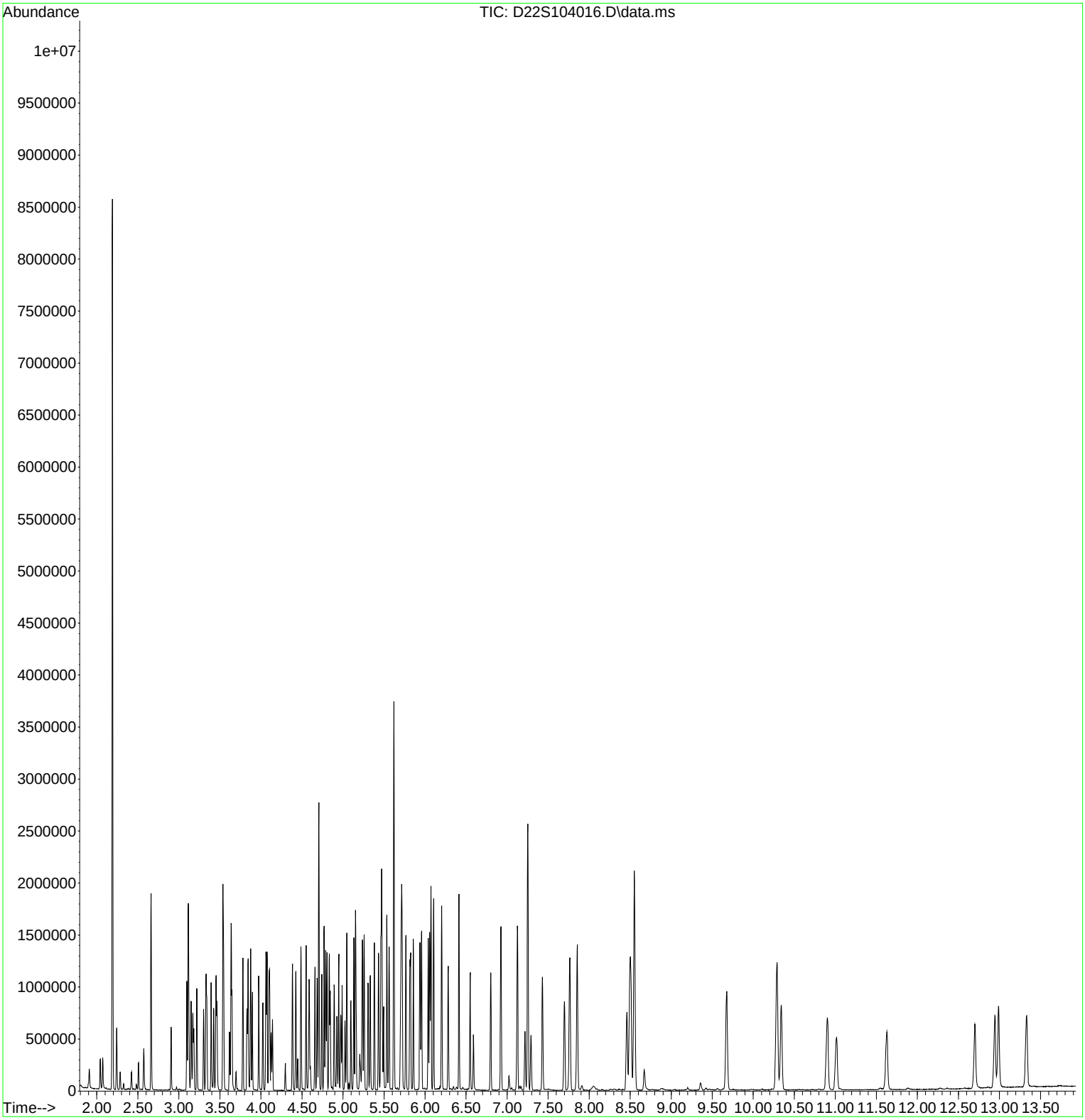
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.846	65	129100	50.24	ug/ml	88
44) 1,1-Biphenyl	4.771	154	323578	38.83	ug/ml	98
45) DIMETHYL PHTHALATE	4.949	163	342922	40.33	ug/ml	100
46) 2,6-DinitroToluene	4.990	165	79474	44.77	ug/ml	97
47) Acenaphthylene	5.046	152	426479	37.75	ug/ml	100
48) 3-Nitroaniline	5.098	138	87100	42.70	ug/ml	98
49) Acenaphthene	5.152	154	269357	37.99	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	45471	40.32	ug/ml	98
51) 4-Nitrophenol	5.203	109	28720	22.58	ug/ml	98
52) Dibenzofuran	5.258	168	385874	42.36	ug/ml	99
53) 2,4-Dinitrotoluene	5.240	165	108142	45.55	ug/ml	97
54) DIETHYL PHTHALATE	5.381	149	350946	41.74	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.461	204	148572	39.66	ug/ml	99
56) Flourene	5.471	166	310373	41.02	ug/ml	100
57) 4-Nitroaniline	5.476	138	93372	45.27	ug/ml	97
59) 4,6-Dinitro-2-Methylph...	5.494	198	59749	42.70	ug/ml	96
60) N-Nitrosodiphenylamine	5.536	169	274097	42.15	ug/ml	99
61) 1,2-Diphenylhydrazine	5.561	77	358964	40.73	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.767	248	81953	38.93	ug/ml	99
63) Hexachlorobenzene	5.814	284	93118	41.48	ug/ml	98
64) Pentachlorophenol	5.935	266	57681	38.95	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	16678	42.38	ug/ml	92
66) Phenanthrene	6.071	178	485675	41.88	ug/ml	99
67) Anthracene	6.105	178	492167	42.00	ug/ml	100
68) Carbazole	6.202	167	487610	43.16	ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	644424	41.53	ug/ml	100
70) Flouranthene	6.926	202	541103	43.48	ug/ml	97
73) Benzidine	7.024	184	47588	25.39	ug/ml	96
74) Pyrene	7.124	202	562989	41.67	ug/ml	99
75) Butylbenzyl phthalate	7.765	149	295165	39.54	ug/ml	97
76) 3,3'-Dichlorobenzidine	8.461	252	179445	43.41	ug/ml	98
77) Benzo(a)anthracene	8.497	228	511989	42.26	ug/ml	99
78) Chrysene	8.548	228	462709	41.46	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.553	149	395003	40.94	ug/ml	100
81) Di-n-octylphthalate	9.676	149	711752	41.21	ug/ml	95
82) Benzo(b)fluoranthene	10.291	252	490530	44.05	ug/ml	97
83) Benzo(k)fluoranthene	10.343	252	461551	47.08	ug/ml	97
84) Benzo(a)pyrene	10.904	252	453682	46.99	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.943	276	366717	45.11	ug/ml	94
86) Dibenz(a,h)anthracene	12.990	278	386216	45.54	ug/ml	96
87) Benzo(g,h,i)perylene	13.332	276	400026	47.91	ug/ml	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104016.D
Acq On : 14 Apr 2022 2:05 pm
Operator : BGL
Sample : B305535-BSD1 Inst : GCMSSV4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 14 14:17:42 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BLK1	File ID:	D22S104005.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 09:14
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene		0.52	5.0	
208-96-8	Acenaphthylene		0.48	5.0	
98-86-2	Acetophenone		0.53	10	
62-53-3	Aniline		0.70	5.0	V-05
120-12-7	Anthracene		0.46	5.0	
92-87-5	Benzidine		10	20	V-35, V-04, V-05
56-55-3	Benzo(a)anthracene		0.41	5.0	
50-32-8	Benzo(a)pyrene		0.57	5.0	
205-99-2	Benzo(b)fluoranthene		0.47	5.0	
191-24-2	Benzo(g,h,i)perylene		0.61	5.0	
207-08-9	Benzo(k)fluoranthene		0.49	5.0	
65-85-0	Benzoic Acid		8.4	10	
111-91-1	Bis(2-chloroethoxy)methane		0.46	10	
111-44-4	Bis(2-chloroethyl)ether		0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether		0.69	10	
117-81-7	Bis(2-Ethylhexyl)phthalate		0.84	10	
101-55-3	4-Bromophenylphenylether		0.47	10	
85-68-7	Butylbenzylphthalate		0.67	10	
86-74-8	Carbazole		0.43	10	
106-47-8	4-Chloroaniline		0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol		0.56	10	
91-58-7	2-Chloronaphthalene		0.49	10	
95-57-8	2-Chlorophenol		0.47	10	
7005-72-3	4-Chlorophenylphenylether		0.48	10	
218-01-9	Chrysene		0.40	5.0	
53-70-3	Dibenz(a,h)anthracene		0.69	5.0	
132-64-9	Dibenzofuran		0.49	5.0	
84-74-2	Di-n-butylphthalate		0.46	10	
95-50-1	1,2-Dichlorobenzene		0.67	5.0	
541-73-1	1,3-Dichlorobenzene		0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BLK1	File ID:	D22S104005.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 09:14
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene		0.67	5.0	
91-94-1	3,3-Dichlorobenzidine		0.71	10	
120-83-2	2,4-Dichlorophenol		0.48	10	
84-66-2	Diethylphthalate		0.42	10	
105-67-9	2,4-Dimethylphenol		0.70	10	
131-11-3	Dimethylphthalate		0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol		7.0	10	
51-28-5	2,4-Dinitrophenol		8.1	10	
121-14-2	2,4-Dinitrotoluene		0.61	10	
606-20-2	2,6-Dinitrotoluene		0.52	10	
117-84-0	Di-n-octylphthalate		3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene		0.57	10	
206-44-0	Fluoranthene		0.43	5.0	
86-73-7	Fluorene		0.52	5.0	
118-74-1	Hexachlorobenzene		0.51	10	
87-68-3	Hexachlorobutadiene		0.77	10	
77-47-4	Hexachlorocyclopentadiene		3.7	10	
67-72-1	Hexachloroethane		0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene		0.74	5.0	
78-59-1	Isophorone		0.55	10	
90-12-0	1-Methylnaphthalene		0.60	5.0	
91-57-6	2-Methylnaphthalene		0.69	5.0	
95-48-7	2-Methylphenol		0.47	10	
108-39-4/106-44-5	3/4-Methylphenol		0.46	10	
91-20-3	Naphthalene		0.61	5.0	
88-74-4	2-Nitroaniline		0.69	10	
99-09-2	3-Nitroaniline		0.59	10	
100-01-6	4-Nitroaniline		0.60	10	
98-95-3	Nitrobenzene		0.63	10	
88-75-5	2-Nitrophenol		0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BLK1	File ID:	D22S104005.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 09:14
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	10	
62-75-9	N-Nitrosodimethylamine		0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.38	10	
621-64-7	N-Nitrosodi-n-propylamine		0.61	10	
82-68-8	Pentachloronitrobenzene		0.62	10	
87-86-5	Pentachlorophenol		3.5	10	
85-01-8	Phenanthrene		0.48	5.0	
108-95-2	Phenol		0.23	10	
129-00-0	Pyrene		0.61	5.0	
110-86-1	Pyridine		2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.65	10	
120-82-1	1,2,4-Trichlorobenzene		0.67	5.0	
95-95-4	2,4,5-Trichlorophenol		0.51	10	
88-06-2	2,4,6-Trichlorophenol		0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104005.D
Acq On : 14 Apr 2022 9:14 am
Operator : BGL
Sample : B305646-BLK1 Inst : GCMSSV4
Misc :
ALS Vial : 5 Sample Multiplier: 1

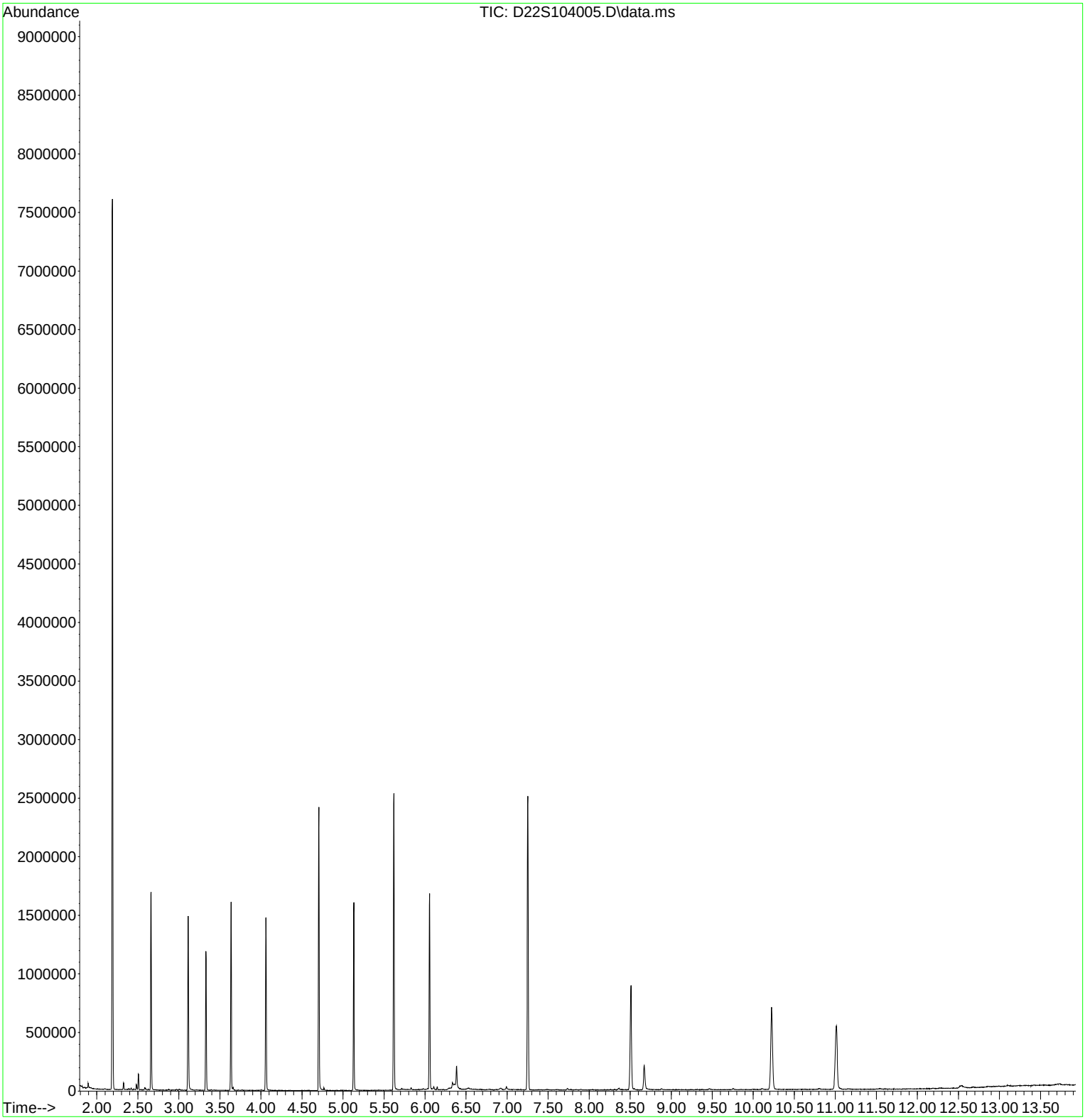
Quant Time: Apr 14 14:16:33 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.329	152	118315	40.00	ug/ml	# 0.00
19) NAPHTHALENE-d8	4.060	136	446453	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	233307	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.056	188	418304	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.509	240	351242	40.00	ug/ml	0.00
80) PERYLENE-D12	11.012	264	304553	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	298029	81.07	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 40.53%			
3) Phenol-d6	3.113	99	326383	54.94	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 27.47%#			
20) Nitrobenzene-d5	3.635	82	321716	66.95	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 66.95%			
36) 2-Fluorobiphenyl	4.707	172	497636	64.75	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 64.75%			
37) 2,4,6-Tribromophenol	5.621	330	167326	163.82	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 81.91%			
72) Terphenyl-d14	7.253	244	721379	71.29	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 71.29%			
Target Compounds						Qvalue

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

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104005.D
Acq On : 14 Apr 2022 9:14 am
Operator : BGL
Sample : B305646-BLK1 Inst : GCMSSV4
Misc :
ALS Vial : 5 Sample Multiplier: 1

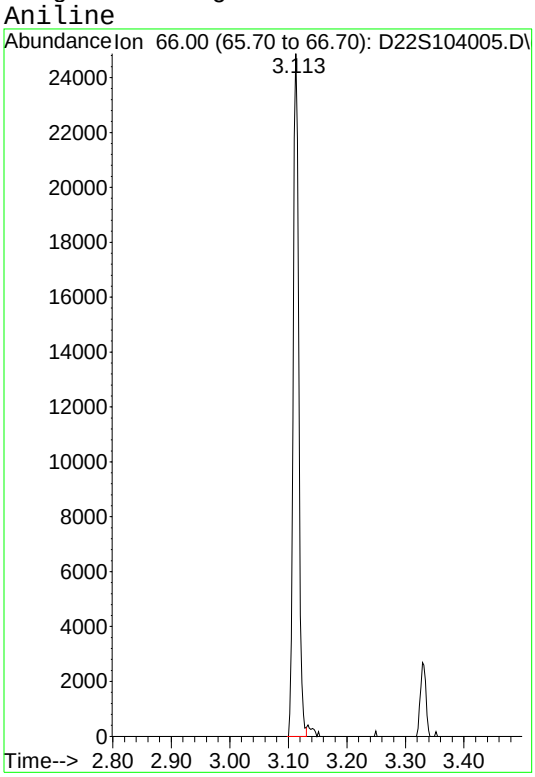
Quant Time: Apr 14 14:16:33 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104005.D
Acq On : 14 Apr 2022 9:14 am
Operator : BGL
Sample : B305646-BLK1
Misc :

Quant Time : Thu Apr 14 14:16:33 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
Aniline



Original Int. Results

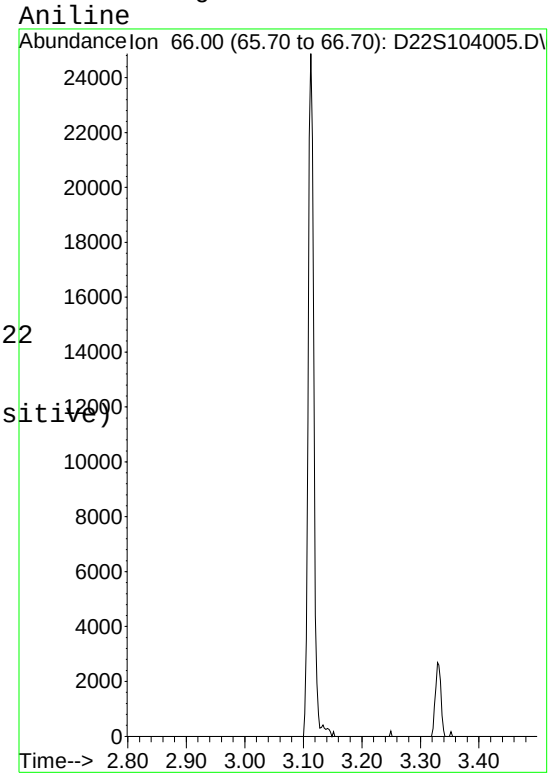
RT : 3.11
Area : 16174
Amount: 6.59167

Manual Int. Results

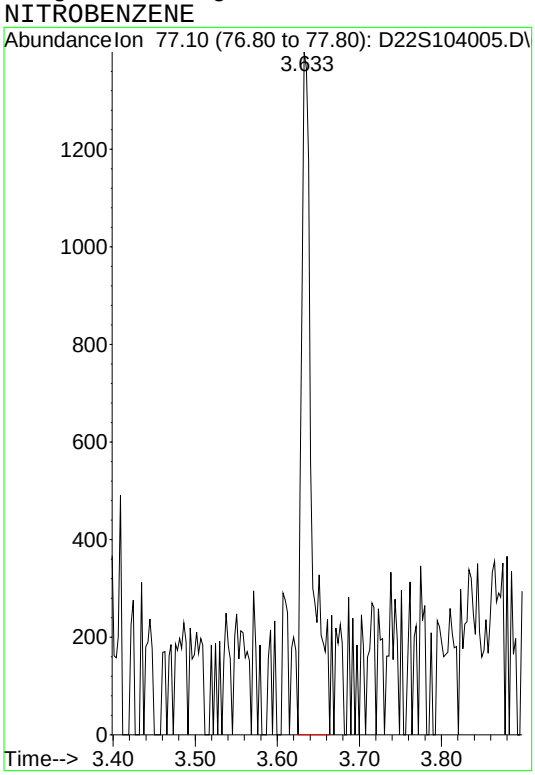
Thu Apr 14 14:16:13 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Aniline



Original Integration
NITROBENZENE



Original Int. Results

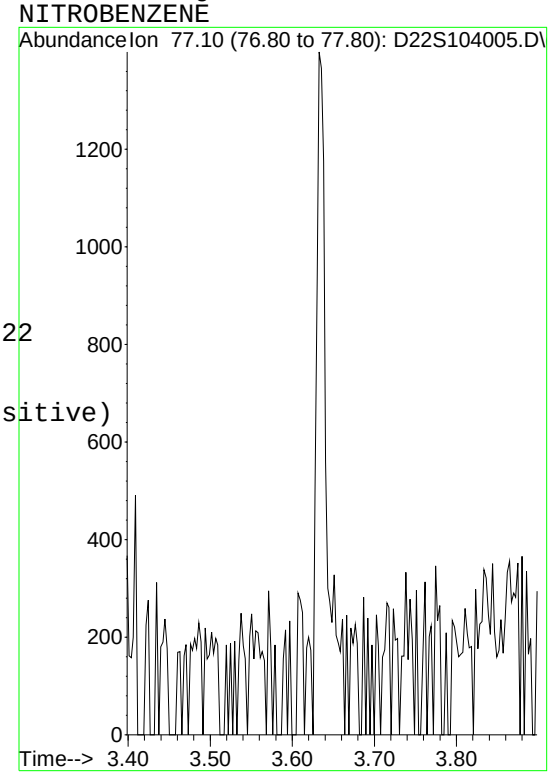
RT : 3.63
Area : 1215
Amount: 0.236246

Manual Int. Results

Thu Apr 14 14:16:17 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

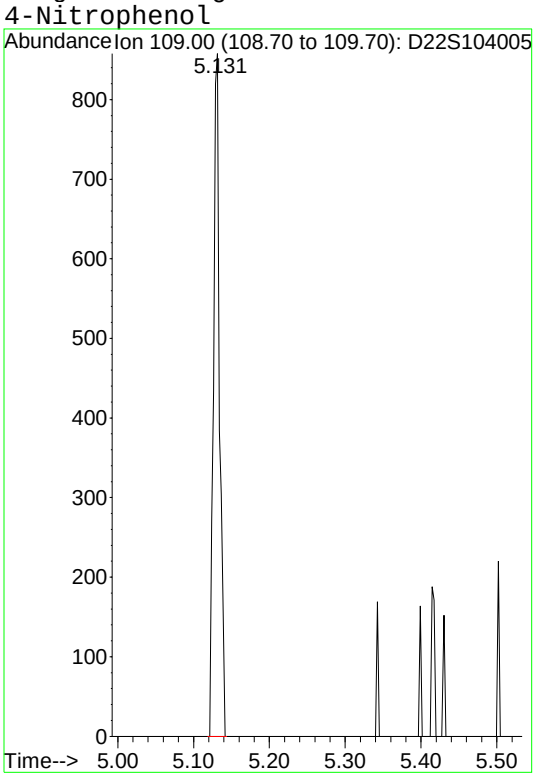
Manual Integration
NITROBENZENE



Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104005.D
Acq On : 14 Apr 2022 9:14 am
Operator : BGL
Sample : B305646-BLK1
Misc :

Quant Time : Thu Apr 14 14:16:33 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
QLast Update : Tue Apr 05 11:39:03 2022

Original Integration
4-Nitrophenol



Original Int. Results

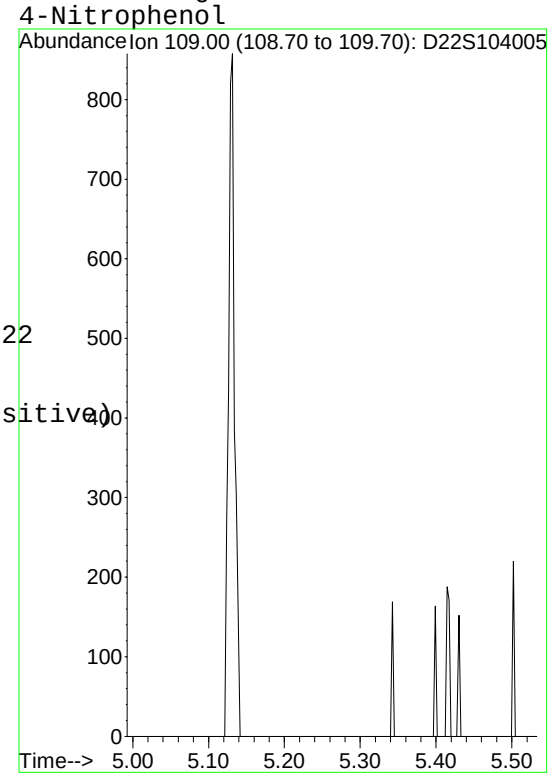
RT : 5.13
Area : 498
Amount: 0.34656

Manual Int. Results

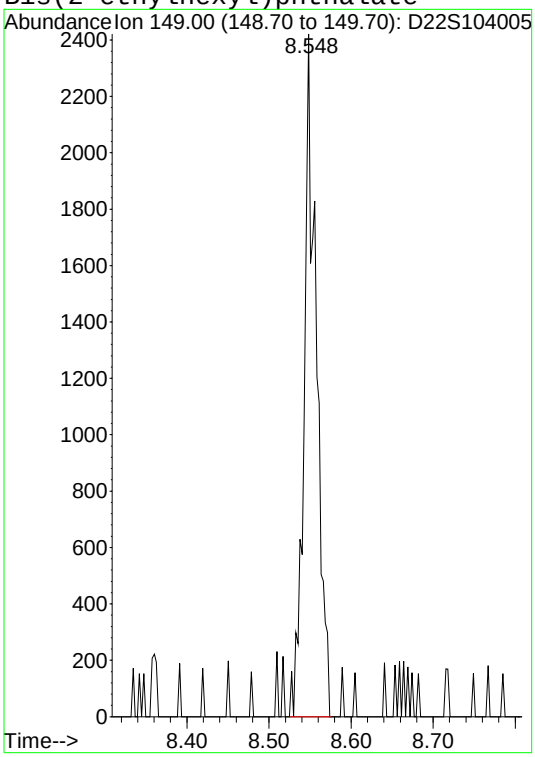
Thu Apr 14 14:16:25 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
4-Nitrophenol



Original Integration
Bis(2-ethylhexyl)phthalate



Original Int. Results

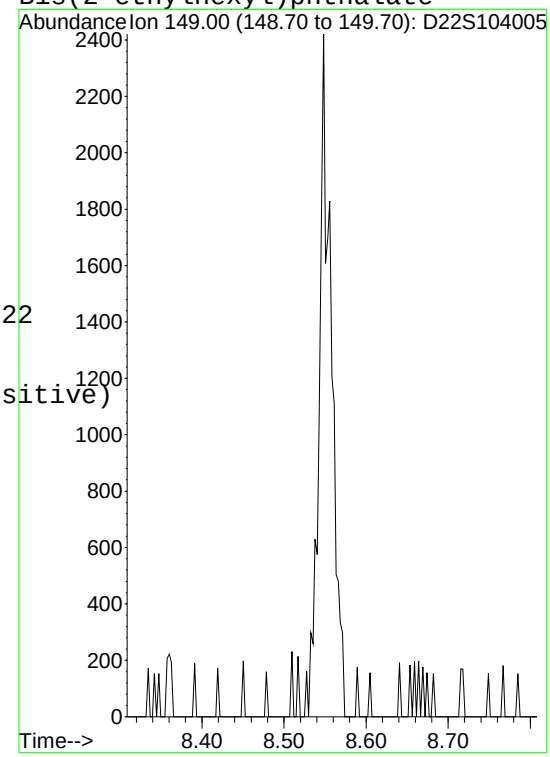
RT : 8.55
Area : 2506
Amount: 0.232087

Manual Int. Results

Thu Apr 14 14:16:33 2022

MIuser: BGL
Reason: QDel (False Positive)
RT : 0.00
Area : 0
Amount: 0

Manual Integration
Bis(2-ethylhexyl)phthalate



1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BS1	File ID:	D22S104003.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 08:25
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Column:	1				

Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene	42.1	0.52	5.0	
208-96-8	Acenaphthylene	42.5	0.48	5.0	
98-86-2	Acetophenone	40.4	0.53	10	
62-53-3	Aniline	38.6	0.70	5.0	V-05
120-12-7	Anthracene	46.1	0.46	5.0	
92-87-5	Benzidine	95.9	10	20	2, V-04, V-05, V-
56-55-3	Benzo(a)anthracene	45.6	0.41	5.0	
50-32-8	Benzo(a)pyrene	51.6	0.57	5.0	
205-99-2	Benzo(b)fluoranthene	49.8	0.47	5.0	
191-24-2	Benzo(g,h,i)perylene	39.7	0.61	5.0	
207-08-9	Benzo(k)fluoranthene	52.7	0.49	5.0	
65-85-0	Benzoic Acid	19.3	8.4	10	
111-91-1	Bis(2-chloroethoxy)methane	40.9	0.46	10	
111-44-4	Bis(2-chloroethyl)ether	33.9	0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether	38.5	0.69	10	
117-81-7	Bis(2-Ethylhexyl)phthalate	44.8	0.84	10	
101-55-3	4-Bromophenylphenylether	43.4	0.47	10	
85-68-7	Butylbenzylphthalate	42.8	0.67	10	
86-74-8	Carbazole	46.6	0.43	10	
106-47-8	4-Chloroaniline	45.9	0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol	41.1	0.56	10	
91-58-7	2-Chloronaphthalene	39.2	0.49	10	
95-57-8	2-Chlorophenol	34.5	0.47	10	
7005-72-3	4-Chlorophenylphenylether	43.6	0.48	10	
218-01-9	Chrysene	44.3	0.40	5.0	
53-70-3	Dibenz(a,h)anthracene	39.1	0.69	5.0	
132-64-9	Dibenzofuran	46.7	0.49	5.0	
84-74-2	Di-n-butylphthalate	44.3	0.46	10	
95-50-1	1,2-Dichlorobenzene	28.6	0.67	5.0	
541-73-1	1,3-Dichlorobenzene	26.1	0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BS1	File ID:	D22S104003.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 08:25
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene	27.0	0.67	5.0	
91-94-1	3,3-Dichlorobenzidine	48.8	0.71	10	
120-83-2	2,4-Dichlorophenol	41.4	0.48	10	
84-66-2	Diethylphthalate	44.6	0.42	10	
105-67-9	2,4-Dimethylphenol	41.0	0.70	10	
131-11-3	Dimethylphthalate	42.8	0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol	43.8	7.0	10	
51-28-5	2,4-Dinitrophenol	41.6	8.1	10	
121-14-2	2,4-Dinitrotoluene	47.3	0.61	10	
606-20-2	2,6-Dinitrotoluene	48.0	0.52	10	
117-84-0	Di-n-octylphthalate	49.6	3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene	45.2	0.57	10	
206-44-0	Fluoranthene	46.6	0.43	5.0	
86-73-7	Fluorene	44.8	0.52	5.0	
118-74-1	Hexachlorobenzene	45.4	0.51	10	
87-68-3	Hexachlorobutadiene	28.6	0.77	10	
77-47-4	Hexachlorocyclopentadiene	31.6	3.7	10	
67-72-1	Hexachloroethane	23.7	0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene	38.6	0.74	5.0	
78-59-1	Isophorone	46.5	0.55	10	
90-12-0	1-Methylnaphthalene	35.9	0.60	5.0	
91-57-6	2-Methylnaphthalene	41.1	0.69	5.0	
95-48-7	2-Methylphenol	35.5	0.47	10	
108-39-4/106-44-5	3/4-Methylphenol	34.7	0.46	10	
91-20-3	Naphthalene	36.3	0.61	5.0	
88-74-4	2-Nitroaniline	53.9	0.69	10	
99-09-2	3-Nitroaniline	44.6	0.59	10	
100-01-6	4-Nitroaniline	48.0	0.60	10	
98-95-3	Nitrobenzene	40.5	0.63	10	
88-75-5	2-Nitrophenol	38.5	0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BS1	File ID:	D22S104003.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 08:25
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol	22.7	2.1	10	
62-75-9	N-Nitrosodimethylamine	23.2	0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	46.3	0.38	10	
621-64-7	N-Nitrosodi-n-propylamine	41.1	0.61	10	
82-68-8	Pentachloronitrobenzene	47.5	0.62	10	
87-86-5	Pentachlorophenol	43.9	3.5	10	
85-01-8	Phenanthrene	46.0	0.48	5.0	
108-95-2	Phenol	16.1	0.23	10	
129-00-0	Pyrene	45.8	0.61	5.0	
110-86-1	Pyridine	16.0	2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	38.5	0.65	10	
120-82-1	1,2,4-Trichlorobenzene	33.0	0.67	5.0	
95-95-4	2,4,5-Trichlorophenol	48.2	0.51	10	
88-06-2	2,4,6-Trichlorophenol	45.2	0.45	10	

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104003.D
Acq On : 14 Apr 2022 8:25 am
Operator : BGL
Sample : B305646-BS1@/6258270W Inst : GCMSSV4
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 14 08:37:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	100735	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	374535	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.134	164	196275	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	347630	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.517	240	281272	40.00	ug/ml	0.00
80) PERYLENE-D12	11.017	264	239640	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.665	112	305753	97.68	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 48.84%			
3) Phenol-d6	3.115	99	354744	70.13	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 35.06%			
20) Nitrobenzene-d5	3.638	82	335102	83.13	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 83.13%			
36) 2-Fluorobiphenyl	4.707	172	567917	87.84	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 87.84%			
37) 2,4,6-Tribromophenol	5.623	330	166384	193.63	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 96.81%			
72) Terphenyl-d14	7.256	244	725748	89.57	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 89.57%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.047	42	62702	23.18	ug/ml	91
5) Pyridine	2.075	79	78741	15.96	ug/ml	98
6) Aniline	3.149	66	80614	38.59	ug/ml	95
7) Phenol	3.123	94	98036	16.07	ug/ml	85
8) Bis(2-chloroethyl)ether	3.172	63	136866	33.89	ug/ml	96
9) 2-Chlorophenol	3.221	128	156709	34.51	ug/ml	98
10) 1,3-Dichlorobenzene	3.303	146	116055	26.14	ug/ml	99
11) 1,4-Dichlorobenzene	3.342	146	119648	26.97	ug/ml	99
12) 1,2-Dichlorobenzene	3.427	146	119945	28.64	ug/ml	100
13) 2- METHYLPHENOL	3.453	108	138821	35.49	ug/ml#	82
14) Bis(2-Chloroisopropyl)...	3.466	45	289677	38.48	ug/ml#	78
15) Acetophenone	3.545	105	231295	40.36	ug/ml#	79
16) 3/4- METHYLPHENOL	3.535	107	151328	34.68	ug/ml#	62
17) N-Nitroso-Di-N-Propyla...	3.538	70	127114	41.14	ug/ml	88
18) Hexachloroethane	3.620	117	42008	23.70	ug/ml	95
21) NITROBENZENE	3.648	77	174830	40.52	ug/ml	99
22) Isophorone	3.780	82	350607	46.53	ug/ml	99
23) 2-Nitrophenol	3.831	139	85502	38.53	ug/ml	95
24) 2,4-Dimethylphenol	3.844	122	152623	40.98	ug/ml	97
25) Bis(2-Chloroethoxy)met...	3.896	93	198393	40.89	ug/ml	96
26) Benzoic Acid	3.880	122	50846	19.30	ug/ml	94
27) 2,4-Dichlorophenol	3.975	162	141239	41.45	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.024	180	108691	32.95	ug/ml	100
29) Naphthalene	4.076	128	399376	36.34	ug/ml	100
30) 4-Chloroaniline	4.099	127	179261	45.94	ug/ml	99
31) Hexachlorobutadiene	4.140	225	47931	28.56	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	154990	41.14	ug/ml	100
33) 2-MethylNaphthalene	4.490	142	264840	41.08	ug/ml	99
34) 1-Methylnaphthalene	4.552	142	254300	35.92	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	53508	31.64	ug/ml	99
39) 1,2,4,5-Tetrachloroben...	4.591	216	118770	38.50	ug/ml	100
40) 2,4,6-Trichlorophenol	4.660	196	101915	45.19	ug/ml	100
41) 2,4,5-Trichlorophenol	4.686	196	109544	48.20	ug/ml	99
42) 2-ChloroNaphthalene	4.792	162	300497	39.23	ug/ml	94

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104003.D
Acq On : 14 Apr 2022 8:25 am
Operator : BGL
Sample : B305646-BS1@/6258270W Inst : GCMSSV4
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 14 08:37:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.846	65	131514	53.86	ug/ml	88
44) 1,1-Biphenyl	4.771	154	343943	43.44	ug/ml	97
45) DIMETHYL PHTHALATE	4.951	163	346141	42.84	ug/ml	100
46) 2,6-DinitroToluene	4.992	165	80915	47.97	ug/ml	96
47) Acenaphthylene	5.046	152	456210	42.49	ug/ml	99
48) 3-Nitroaniline	5.098	138	86432	44.60	ug/ml	99
49) Acenaphthene	5.155	154	283639	42.10	ug/ml	100
50) 2,4-Dinitrophenol	5.162	184	44625	41.64	ug/ml#	90
51) 4-Nitrophenol	5.206	109	27413	22.68	ug/ml	95
52) Dibenzofuran	5.260	168	403894	46.66	ug/ml	99
53) 2,4-Dinitrotoluene	5.242	165	106731	47.31	ug/ml	98
54) DIETHYL PHTHALATE	5.384	149	355941	44.55	ug/ml	100
55) 4-Chlorophenyl phenyl ...	5.464	204	155177	43.60	ug/ml	99
56) Flourene	5.471	166	322097	44.80	ug/ml	100
57) 4-Nitroaniline	5.479	138	94029	47.97	ug/ml	95
59) 4,6-Dinitro-2-Methylph...	5.497	198	56780	43.80	ug/ml	95
60) N-Nitrosodiphenylamine	5.536	169	278768	46.28	ug/ml	100
61) 1,2-Diphenylhydrazine	5.564	77	369384	45.24	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.770	248	84706	43.44	ug/ml	99
63) Hexachlorobenzene	5.816	284	94496	45.44	ug/ml	98
64) Pentachlorophenol	5.940	266	60275	43.93	ug/ml	99
65) Pentachloronitrobenzene	5.942	295	17326	47.53	ug/ml	94
66) Phenanthrene	6.074	178	494056	45.99	ug/ml	99
67) Anthracene	6.105	178	500452	46.10	ug/ml	99
68) Carbazole	6.205	167	488184	46.64	ug/ml	100
69) Di-N-Butyl Phthalate	6.416	149	636627	44.28	ug/ml	99
70) Flouranthene	6.929	202	537672	46.64	ug/ml	97
73) Benzidine	7.026	184	161010	95.86	ug/ml	95
74) Pyrene	7.127	202	554648	45.81	ug/ml	99
75) Butylbenzyl phthalate	7.768	149	286161	42.78	ug/ml	98
76) 3,3'-Dichlorobenzidine	8.466	252	180936	48.84	ug/ml	98
77) Benzo(a)anthracene	8.502	228	495303	45.62	ug/ml	99
78) Chrysene	8.553	228	443091	44.30	ug/ml	100
79) Bis(2-ethylhexyl)phtha...	8.558	149	387711	44.84	ug/ml	100
81) Di-n-octylphthalate	9.681	149	695038	49.55	ug/ml	95
82) Benzo(b)fluoranthene	10.296	252	450193	49.78	ug/ml	98
83) Benzo(k)fluoranthene	10.345	252	419528	52.69	ug/ml	95
84) Benzo(a)pyrene	10.907	252	404489	51.59	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.943	276	254531	38.55	ug/ml	94
86) Dibenz(a,h)anthracene	12.992	278	269227	39.09	ug/ml	96
87) Benzo(g,h,i)perylene	13.332	276	269012	39.67	ug/ml	94

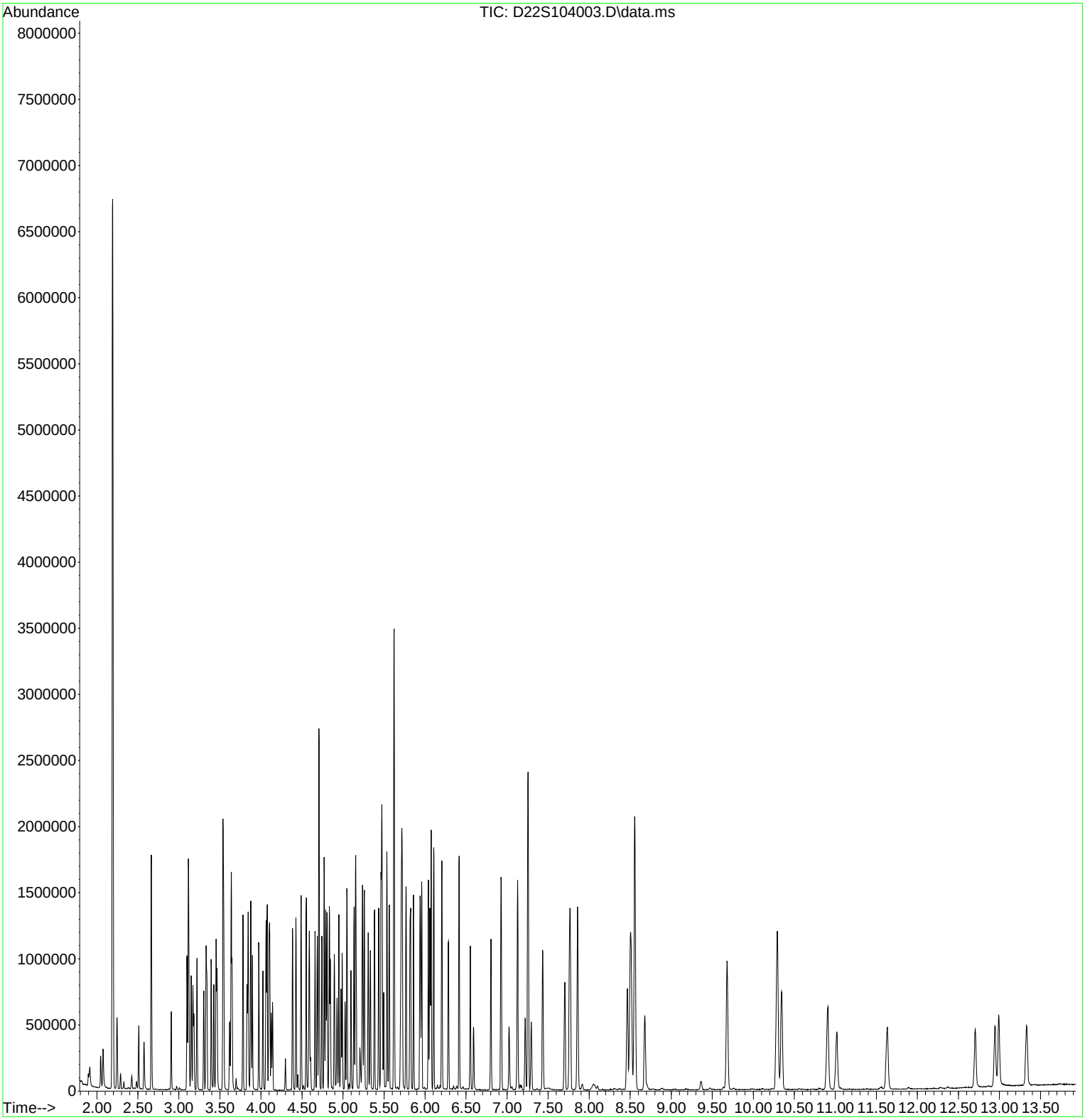
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104003.D
Acq On : 14 Apr 2022 8:25 am
Operator : BGL
Sample : B305646-BS1@/6258270W Inst : GCMSSV4
Misc :
ALS Vial : 3 Sample Multiplier: 1

930

Quant Time: Apr 14 08:37:30 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BSD1	File ID:	D22S104004.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 08:50
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Column:	1				

Instrument: GCMSSV4

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene	37.3	0.52	5.0	
208-96-8	Acenaphthylene	37.6	0.48	5.0	
98-86-2	Acetophenone	36.0	0.53	10	
62-53-3	Aniline	33.2	0.70	5.0	V-05
120-12-7	Anthracene	39.4	0.46	5.0	
92-87-5	Benzidine	86.8	10	20	2, V-04, V-05, V-
56-55-3	Benzo(a)anthracene	39.8	0.41	5.0	
50-32-8	Benzo(a)pyrene	43.7	0.57	5.0	
205-99-2	Benzo(b)fluoranthene	42.2	0.47	5.0	
191-24-2	Benzo(g,h,i)perylene	34.7	0.61	5.0	
207-08-9	Benzo(k)fluoranthene	44.5	0.49	5.0	
65-85-0	Benzoic Acid	15.7	8.4	10	
111-91-1	Bis(2-chloroethoxy)methane	35.2	0.46	10	
111-44-4	Bis(2-chloroethyl)ether	31.0	0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether	34.3	0.69	10	
117-81-7	Bis(2-Ethylhexyl)phthalate	38.4	0.84	10	
101-55-3	4-Bromophenylphenylether	37.2	0.47	10	
85-68-7	Butylbenzylphthalate	36.8	0.67	10	
86-74-8	Carbazole	39.8	0.43	10	
106-47-8	4-Chloroaniline	39.8	0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol	35.6	0.56	10	
91-58-7	2-Chloronaphthalene	33.0	0.49	10	
95-57-8	2-Chlorophenol	31.4	0.47	10	
7005-72-3	4-Chlorophenylphenylether	38.8	0.48	10	
218-01-9	Chrysene	39.0	0.40	5.0	
53-70-3	Dibenz(a,h)anthracene	35.1	0.69	5.0	
132-64-9	Dibenzofuran	41.2	0.49	5.0	
84-74-2	Di-n-butylphthalate	37.6	0.46	10	
95-50-1	1,2-Dichlorobenzene	28.2	0.67	5.0	
541-73-1	1,3-Dichlorobenzene	26.0	0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BSD1	File ID:	D22S104004.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 08:50
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene	26.8	0.67	5.0	
91-94-1	3,3-Dichlorobenzidine	43.7	0.71	10	
120-83-2	2,4-Dichlorophenol	36.6	0.48	10	
84-66-2	Diethylphthalate	38.5	0.42	10	
105-67-9	2,4-Dimethylphenol	36.3	0.70	10	
131-11-3	Dimethylphthalate	37.4	0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol	37.4	7.0	10	
51-28-5	2,4-Dinitrophenol	35.1	8.1	10	
121-14-2	2,4-Dinitrotoluene	41.2	0.61	10	
606-20-2	2,6-Dinitrotoluene	41.3	0.52	10	
117-84-0	Di-n-octylphthalate	41.4	3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene	38.2	0.57	10	
206-44-0	Fluoranthene	39.7	0.43	5.0	
86-73-7	Fluorene	39.6	0.52	5.0	
118-74-1	Hexachlorobenzene	40.2	0.51	10	
87-68-3	Hexachlorobutadiene	28.6	0.77	10	
77-47-4	Hexachlorocyclopentadiene	30.9	3.7	10	
67-72-1	Hexachloroethane	24.4	0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene	34.4	0.74	5.0	
78-59-1	Isophorone	39.5	0.55	10	
90-12-0	1-Methylnaphthalene	32.5	0.60	5.0	
91-57-6	2-Methylnaphthalene	36.9	0.69	5.0	
95-48-7	2-Methylphenol	31.7	0.47	10	
108-39-4/106-44-5	3/4-Methylphenol	29.9	0.46	10	
91-20-3	Naphthalene	33.3	0.61	5.0	
88-74-4	2-Nitroaniline	45.4	0.69	10	
99-09-2	3-Nitroaniline	39.5	0.59	10	
100-01-6	4-Nitroaniline	41.4	0.60	10	
98-95-3	Nitrobenzene	35.6	0.63	10	
88-75-5	2-Nitrophenol	34.6	0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-BSD1	File ID:	D22S104004.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/14/22 08:50
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070384	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol	19.4	2.1	10	
62-75-9	N-Nitrosodimethylamine	21.2	0.78	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	40.2	0.38	10	
621-64-7	N-Nitrosodi-n-propylamine	35.3	0.61	10	
82-68-8	Pentachloronitrobenzene	40.2	0.62	10	
87-86-5	Pentachlorophenol	38.0	3.5	10	
85-01-8	Phenanthrene	39.2	0.48	5.0	
108-95-2	Phenol	14.2	0.23	10	
129-00-0	Pyrene	39.8	0.61	5.0	
110-86-1	Pyridine	15.0	2.5	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene	36.3	0.65	10	
120-82-1	1,2,4-Trichlorobenzene	31.7	0.67	5.0	
95-95-4	2,4,5-Trichlorophenol	42.8	0.51	10	
88-06-2	2,4,6-Trichlorophenol	40.2	0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104004.D
Acq On : 14 Apr 2022 8:50 am
Operator : BGL
Sample : B305646-BSD1@/B305612 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 14 09:02:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.332	152	120850	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.063	136	453481	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.131	164	239089	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.058	188	427788	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.515	240	337993	40.00	ug/ml	0.00
80) PERYLENE-D12	11.015	264	297904	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.665	112	338958	90.27	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 45.13%			
3) Phenol-d6	3.115	99	382498	63.03	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 31.51%			
20) Nitrobenzene-d5	3.635	82	364542	74.69	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 74.69%			
36) 2-Fluorobiphenyl	4.707	172	620140	78.74	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.74%			
37) 2,4,6-Tribromophenol	5.623	330	184539	176.30	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 88.15%			
72) Terphenyl-d14	7.253	244	773617	79.45	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 79.45%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.049	42	68778	21.20	ug/ml	93
5) Pyridine	2.078	79	88603	14.97	ug/ml	97
6) Aniline	3.149	66	83306	33.24	ug/ml	99
7) Phenol	3.123	94	103938	14.21	ug/ml	85
8) Bis(2-chloroethyl)ether	3.172	63	150001	30.96	ug/ml	96
9) 2-Chlorophenol	3.221	128	170949	31.38	ug/ml	97
10) 1,3-Dichlorobenzene	3.303	146	138691	26.04	ug/ml	99
11) 1,4-Dichlorobenzene	3.342	146	142808	26.83	ug/ml	99
12) 1,2-Dichlorobenzene	3.427	146	141404	28.15	ug/ml	99
13) 2- METHYLPHENOL	3.453	108	148822	31.71	ug/ml#	82
14) Bis(2-Chloroisopropyl)...	3.463	45	309429	34.26	ug/ml#	77
15) Acetophenone	3.545	105	247727	36.03	ug/ml#	79
16) 3/4- METHYLPHENOL	3.535	107	156586	29.91	ug/ml#	60
17) N-Nitroso-Di-N-Propyla...	3.538	70	130974	35.34	ug/ml	87
18) Hexachloroethane	3.617	117	51946	24.43	ug/ml	93
21) NITROBENZENE	3.648	77	185691	35.55	ug/ml	99
22) Isophorone	3.780	82	360695	39.54	ug/ml	98
23) 2-Nitrophenol	3.831	139	92891	34.57	ug/ml	98
24) 2,4-Dimethylphenol	3.844	122	163658	36.29	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.896	93	206677	35.18	ug/ml	97
26) Benzoic Acid	3.877	122	49985	15.67	ug/ml	93
27) 2,4-Dichlorophenol	3.973	162	150831	36.56	ug/ml	99
28) 1,2,4-Trichlorobenzene	4.024	180	126657	31.71	ug/ml	100
29) Naphthalene	4.076	128	443310	33.31	ug/ml	100
30) 4-Chloroaniline	4.096	127	187935	39.78	ug/ml	99
31) Hexachlorobutadiene	4.140	225	58170	28.63	ug/ml	98
32) 4-Chloro-3-Methylphenol	4.385	107	162265	35.57	ug/ml	99
33) 2-MethylNaphthalene	4.490	142	288335	36.94	ug/ml	98
34) 1-Methylnaphthalene	4.549	142	278599	32.50	ug/ml	100
38) Hexachlorocyclopentadiene	4.583	237	63622	30.89	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.591	216	136236	36.26	ug/ml	99
40) 2,4,6-Trichlorophenol	4.658	196	110543	40.24	ug/ml	100
41) 2,4,5-Trichlorophenol	4.686	196	118624	42.85	ug/ml	100
42) 2-ChloroNaphthalene	4.789	162	307536	32.96	ug/ml	99

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104004.D
Acq On : 14 Apr 2022 8:50 am
Operator : BGL
Sample : B305646-BSD1@/B305612 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 14 09:02:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.846	65	134989	45.39	ug/ml	88
44) 1,1-Biphenyl	4.771	154	372496	38.62	ug/ml	98
45) DIMETHYL PHTHALATE	4.949	163	368053	37.39	ug/ml	99
46) 2,6-DinitroToluene	4.990	165	84836	41.29	ug/ml	96
47) Acenaphthylene	5.046	152	492297	37.64	ug/ml	100
48) 3-Nitroaniline	5.098	138	93207	39.48	ug/ml	96
49) Acenaphthene	5.152	154	306100	37.30	ug/ml	99
50) 2,4-Dinitrophenol	5.162	184	45847	35.12	ug/ml#	82
51) 4-Nitrophenol	5.203	109	28562	19.40	ug/ml	95
52) Dibenzofuran	5.258	168	434299	41.19	ug/ml	99
53) 2,4-Dinitrotoluene	5.240	165	113334	41.24	ug/ml	96
54) DIETHYL PHTHALATE	5.381	149	374639	38.50	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.461	204	168330	38.82	ug/ml	100
56) Flourene	5.471	166	347014	39.62	ug/ml	100
57) 4-Nitroaniline	5.476	138	98773	41.37	ug/ml	95
59) 4,6-Dinitro-2-Methylph...	5.494	198	59669	37.41	ug/ml	93
60) N-Nitrosodiphenylamine	5.536	169	297792	40.17	ug/ml	99
61) 1,2-Diphenylhydrazine	5.561	77	383508	38.17	ug/ml	98
62) 4-Bromophenyl phenyl e...	5.767	248	89215	37.18	ug/ml	99
63) Hexachlorobenzene	5.816	284	102790	40.16	ug/ml	99
64) Pentachlorophenol	5.937	266	64246	38.05	ug/ml	100
65) Pentachloronitrobenzene	5.942	295	18016	40.16	ug/ml	91
66) Phenanthrene	6.074	178	518383	39.21	ug/ml	99
67) Anthracene	6.105	178	525631	39.35	ug/ml	99
68) Carbazole	6.202	167	512913	39.82	ug/ml	99
69) Di-N-Butyl Phthalate	6.414	149	665188	37.60	ug/ml	100
70) Flouranthene	6.926	202	563793	39.74	ug/ml	97
73) Benzidine	7.024	184	175208	86.80	ug/ml	95
74) Pyrene	7.127	202	579410	39.82	ug/ml	100
75) Butylbenzyl phthalate	7.768	149	295484	36.76	ug/ml	97
76) 3,3'-Dichlorobenzidine	8.463	252	194637	43.72	ug/ml	99
77) Benzo(a)anthracene	8.499	228	519846	39.85	ug/ml	99
78) Chrysene	8.551	228	469290	39.05	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.556	149	398983	38.40	ug/ml	100
81) Di-n-octylphthalate	9.678	149	721145	41.36	ug/ml	94
82) Benzo(b)fluoranthene	10.291	252	474223	42.18	ug/ml	97
83) Benzo(k)fluoranthene	10.340	252	440476	44.50	ug/ml	96
84) Benzo(a)pyrene	10.904	252	425594	43.67	ug/ml	97
85) Indeno(1,2,3-cd)pyrene	12.943	276	282154	34.38	ug/ml	95
86) Dibenz(a,h)anthracene	12.990	278	300778	35.13	ug/ml	96
87) Benzo(g,h,i)perylene	13.332	276	292358	34.68	ug/ml	95

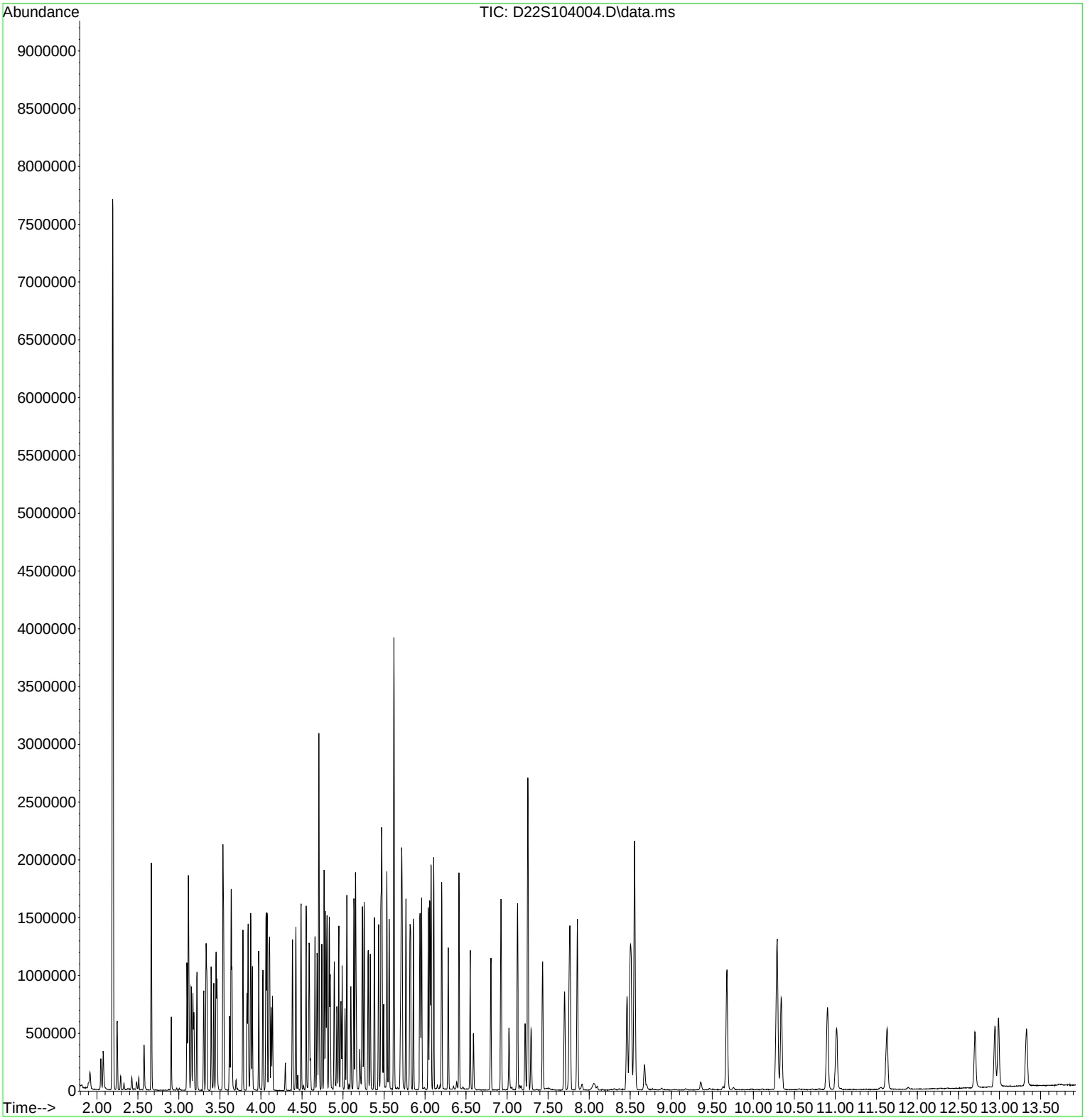
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041422\
Data File : D22S104004.D
Acq On : 14 Apr 2022 8:50 am
Operator : BGL
Sample : B305646-BSD1@/B305612 Inst : GCMSSV4
Misc :
ALS Vial : 4 Sample Multiplier: 1

936

Quant Time: Apr 14 09:02:38 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-MS1	File ID:	D22S108017.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:51
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene	32.4	0.52	5.0	
208-96-8	Acenaphthylene	32.9	0.48	5.0	
98-86-2	Acetophenone	31.7	0.53	10	
62-53-3	Aniline	23.4	0.70	5.0	V-05
120-12-7	Anthracene	33.1	0.46	5.0	
92-87-5	Benzidine	30.0	10	20	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene	32.7	0.41	5.0	
50-32-8	Benzo(a)pyrene	35.7	0.57	5.0	
205-99-2	Benzo(b)fluoranthene	34.2	0.47	5.0	
191-24-2	Benzo(g,h,i)perylene	34.8	0.61	5.0	
207-08-9	Benzo(k)fluoranthene	36.9	0.49	5.0	
65-85-0	Benzoic Acid	13.9	8.4	10	MS-09
111-91-1	Bis(2-chloroethoxy)methane	31.6	0.46	10	
111-44-4	Bis(2-chloroethyl)ether	26.7	0.57	10	
108-60-1	Bis(2-chloroisopropyl)ether	28.2	0.69	10	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate	31.6	0.84	10	
101-55-3	4-Bromophenylphenylether	32.7	0.47	10	
85-68-7	Butylbenzylphthalate	30.9	0.67	10	
86-74-8	Carbazole	32.8	0.43	10	
106-47-8	4-Chloroaniline	24.6	0.58	10	V-34
59-50-7	4-Chloro-3-methylphenol	30.7	0.56	10	
91-58-7	2-Chloronaphthalene	31.0	0.49	10	
95-57-8	2-Chlorophenol	27.5	0.47	10	
7005-72-3	4-Chlorophenylphenylether	33.8	0.48	10	
218-01-9	Chrysene	31.9	0.40	5.0	
53-70-3	Dibenz(a,h)anthracene	33.2	0.69	5.0	
132-64-9	Dibenzofuran	36.0	0.49	5.0	
84-74-2	Di-n-butylphthalate	31.7	0.46	10	
95-50-1	1,2-Dichlorobenzene	28.4	0.67	5.0	
541-73-1	1,3-Dichlorobenzene	26.9	0.67	5.0	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-MS1	File ID:	D22S108017.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:51
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene	27.3	0.67	5.0	
91-94-1	3,3-Dichlorobenzidine	31.4	0.71	10	
120-83-2	2,4-Dichlorophenol	33.0	0.48	10	
84-66-2	Diethylphthalate	32.3	0.42	10	
105-67-9	2,4-Dimethylphenol	30.0	0.70	10	
131-11-3	Dimethylphthalate	31.8	0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol	31.9	7.0	10	
51-28-5	2,4-Dinitrophenol	28.9	8.1	10	
121-14-2	2,4-Dinitrotoluene	35.2	0.61	10	
606-20-2	2,6-Dinitrotoluene	35.3	0.52	10	
117-84-0	Di-n-octylphthalate	35.4	3.9	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene	31.9	0.57	10	
206-44-0	Fluoranthene	33.4	0.43	5.0	
86-73-7	Fluorene	33.9	0.52	5.0	
118-74-1	Hexachlorobenzene	34.3	0.51	10	
87-68-3	Hexachlorobutadiene	32.2	0.77	10	
77-47-4	Hexachlorocyclopentadiene	20.1	3.7	10	
67-72-1	Hexachloroethane	26.0	0.74	10	
193-39-5	Indeno(1,2,3-cd)pyrene	32.2	0.74	5.0	
78-59-1	Isophorone	34.8	0.55	10	
90-12-0	1-Methylnaphthalene	30.4	0.60	5.0	
91-57-6	2-Methylnaphthalene	35.1	0.69	5.0	
95-48-7	2-Methylphenol	26.2	0.47	10	
108-39-4/106-44-5	3/4-Methylphenol	25.5	0.46	10	
91-20-3	Naphthalene	31.2	0.61	5.0	
88-74-4	2-Nitroaniline	37.8	0.69	10	
99-09-2	3-Nitroaniline	29.2	0.59	10	
100-01-6	4-Nitroaniline	34.7	0.60	10	
98-95-3	Nitrobenzene	31.3	0.63	10	
88-75-5	2-Nitrophenol	31.2	0.51	10	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-MS1	File ID:	D22S108017.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/18/22 16:51
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol	17.0	2.1	10	
62-75-9	N-Nitrosodimethylamine	18.2	0.78	10	MS-09
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	33.9	0.38	10	
621-64-7	N-Nitrosodi-n-propylamine	31.3	0.61	10	
82-68-8	Pentachloronitrobenzene	35.3	0.62	10	
87-86-5	Pentachlorophenol	31.2	3.5	10	
85-01-8	Phenanthrene	32.7	0.48	5.0	
108-95-2	Phenol	11.7	0.23	10	MS-09
129-00-0	Pyrene	33.8	0.61	5.0	
110-86-1	Pyridine	11.4	2.5	5.0	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	33.6	0.65	10	
120-82-1	1,2,4-Trichlorobenzene	32.3	0.67	5.0	
95-95-4	2,4,5-Trichlorophenol	37.4	0.51	10	
88-06-2	2,4,6-Trichlorophenol	34.7	0.45	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108017.D
Acq On : 18 Apr 2022 4:51 pm
Operator : BGL
Sample : B305646-MS1@/rprp Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 18 17:03:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	120015	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.055	136	450904	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.126	164	244199	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.051	188	431728	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.502	240	336705	40.00	ug/ml	0.00
80) PERYLENE-D12	11.002	264	269642	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.662	112	280153	75.13	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.56%			
3) Phenol-d6	3.115	99	315070	52.28	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 26.14%#			
20) Nitrobenzene-d5	3.630	82	319994	65.94	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 65.94%			
36) 2-Fluorobiphenyl	4.701	172	582158	72.37	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 72.37%			
37) 2,4,6-Tribromophenol	5.615	330	162977	152.44	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 76.22%			
72) Terphenyl-d14	7.243	244	672335	69.32	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 69.32%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.036	42	58489	18.15	ug/ml	96
5) Pyridine	2.067	79	66693	11.35	ug/ml	99
6) Aniline	3.144	66	58358	23.45	ug/ml	97
7) Phenol	3.123	94	84700	11.66	ug/ml	87
8) Bis(2-chloroethyl)ether	3.164	63	128433	26.69	ug/ml	92
9) 2-Chlorophenol	3.216	128	148971	27.54	ug/ml	96
10) 1,3-Dichlorobenzene	3.296	146	142069	26.86	ug/ml	99
11) 1,4-Dichlorobenzene	3.334	146	144444	27.33	ug/ml	99
12) 1,2-Dichlorobenzene	3.419	146	141911	28.45	ug/ml	99
13) 2- METHYLPHENOL	3.450	108	122197	26.22	ug/ml#	79
14) Bis(2-Chloroisopropyl)...	3.458	45	252743	28.18	ug/ml#	74
15) Acetophenone	3.540	105	216739	31.74	ug/ml#	78
16) 3/4- METHYLPHENOL	3.535	107	132727	25.53	ug/ml#	59
17) N-Nitroso-Di-N-Propyla...	3.532	70	115127	31.28	ug/ml	86
18) Hexachloroethane	3.612	117	54855	25.98	ug/ml	93
21) NITROBENZENE	3.643	77	162681	31.32	ug/ml	100
22) Isophorone	3.774	82	315860	34.82	ug/ml	97
23) 2-Nitrophenol	3.826	139	83335	31.19	ug/ml	83
24) 2,4-Dimethylphenol	3.841	122	134630	30.03	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.890	93	184812	31.64	ug/ml	98
26) Benzoic Acid	3.880	122	44205	13.94	ug/ml	93
27) 2,4-Dichlorophenol	3.970	162	135403	33.01	ug/ml	97
28) 1,2,4-Trichlorobenzene	4.019	180	128256	32.30	ug/ml	100
29) Naphthalene	4.068	128	412939	31.21	ug/ml	100
30) 4-Chloroaniline	4.091	127	115702	24.63	ug/ml	99
31) Hexachlorobutadiene	4.132	225	65085	32.21	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	139396	30.73	ug/ml	98
33) 2-MethylNaphthalene	4.483	142	272273	35.08	ug/ml	99
34) 1-Methylnaphthalene	4.544	142	259212	30.41	ug/ml	99
38) Hexachlorocyclopentadiene	4.575	237	42210	20.06	ug/ml	100
39) 1,2,4,5-Tetrachloroben...	4.583	216	128789	33.56	ug/ml	100
40) 2,4,6-Trichlorophenol	4.655	196	97495	34.74	ug/ml	99
41) 2,4,5-Trichlorophenol	4.683	196	105813	37.42	ug/ml	99
42) 2-ChloroNaphthalene	4.784	162	295114	30.97	ug/ml	99

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108017.D
Acq On : 18 Apr 2022 4:51 pm
Operator : BGL
Sample : B305646-MS1@/rprp Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

941

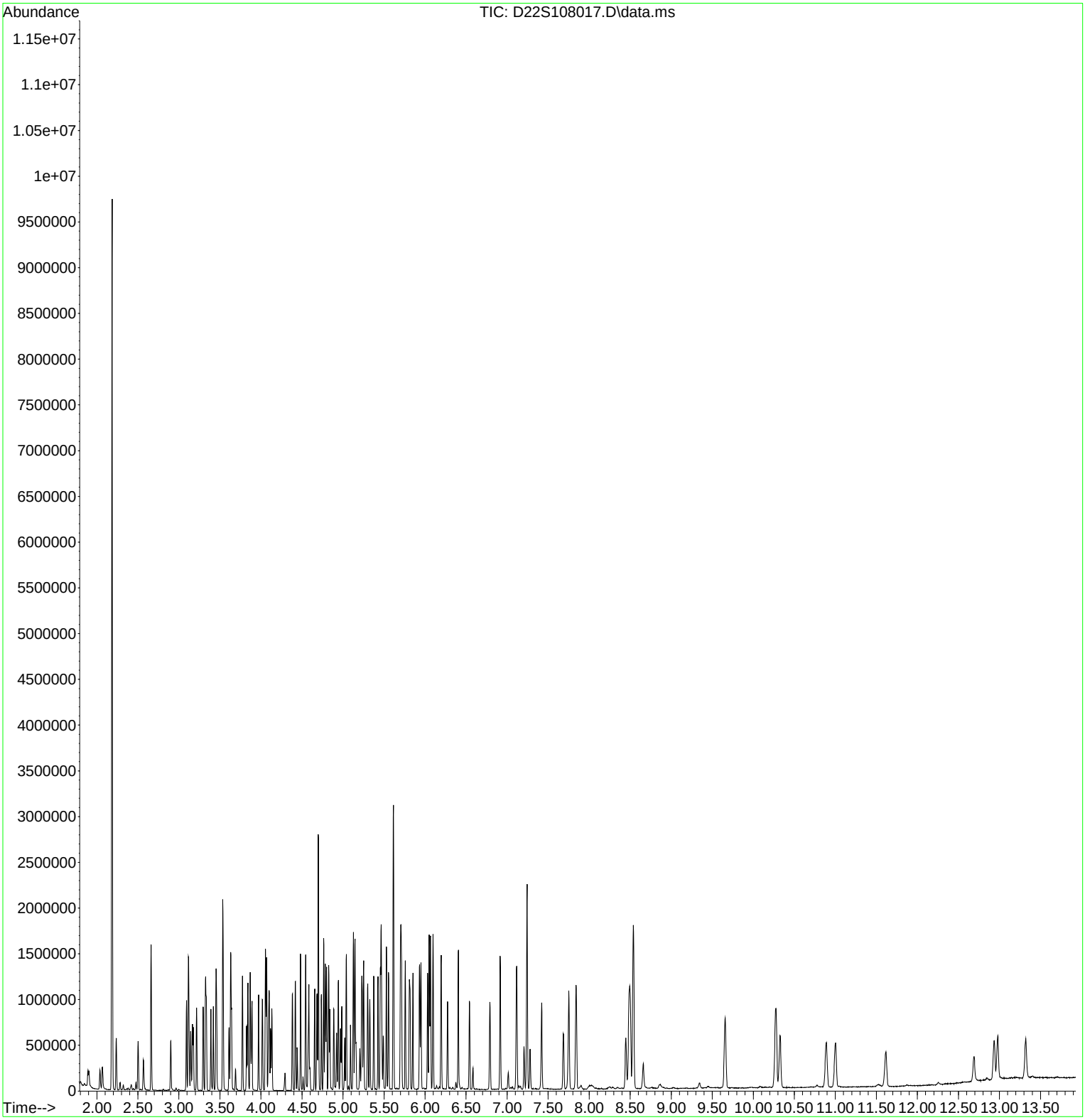
Quant Time: Apr 18 17:03:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.840	65	114927	37.83	ug/ml	91
44) 1,1-Biphenyl	4.763	154	339688	34.48	ug/ml	98
45) DIMETHYL PHTHALATE	4.943	163	319376	31.77	ug/ml	99
46) 2,6-DinitroToluene	4.985	165	74113	35.31	ug/ml	93
47) Acenaphthylene	5.041	152	439186	32.88	ug/ml	100
48) 3-Nitroaniline	5.093	138	70327	29.17	ug/ml	97
49) Acenaphthene	5.147	154	271713	32.42	ug/ml	100
50) 2,4-Dinitrophenol	5.157	184	38496	28.87	ug/ml#	1
51) 4-Nitrophenol	5.203	109	25624	17.04	ug/ml	95
52) Dibenzofuran	5.252	168	388279	36.05	ug/ml	99
53) 2,4-Dinitrotoluene	5.234	165	98763	35.19	ug/ml	93
54) DIETHYL PHTHALATE	5.373	149	321267	32.32	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.453	204	149785	33.82	ug/ml	98
56) Flourene	5.464	166	302980	33.87	ug/ml	100
57) 4-Nitroaniline	5.471	138	84670	34.72	ug/ml#	86
59) 4,6-Dinitro-2-Methylph...	5.492	198	51288	31.86	ug/ml	88
60) N-Nitrosodiphenylamine	5.528	169	253834	33.93	ug/ml	99
61) 1,2-Diphenylhydrazine	5.554	77	323820	31.94	ug/ml	96
62) 4-Bromophenyl phenyl e...	5.760	248	79113	32.67	ug/ml	97
63) Hexachlorobenzene	5.809	284	88671	34.33	ug/ml	98
64) Pentachlorophenol	5.932	266	53184	31.21	ug/ml	99
65) Pentachloronitrobenzene	5.935	295	15965	35.26	ug/ml	98
66) Phenanthrene	6.066	178	436595	32.72	ug/ml	100
67) Anthracene	6.097	178	446233	33.10	ug/ml	99
68) Carbazole	6.197	167	426999	32.85	ug/ml	99
69) Di-N-Butyl Phthalate	6.406	149	565960	31.70	ug/ml	100
70) Flouranthene	6.916	202	478766	33.44	ug/ml	96
73) Benzidine	7.014	184	60286	29.98	ug/ml	95
74) Pyrene	7.117	202	490381	33.83	ug/ml	99
75) Butylbenzyl phthalate	7.752	149	247616	30.92	ug/ml	94
76) 3,3'-Dichlorobenzidine	8.448	252	139289	31.41	ug/ml	98
77) Benzo(a)anthracene	8.486	228	425125	32.71	ug/ml	99
78) Chrysene	8.538	228	381749	31.89	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.538	149	327648	31.65	ug/ml	99
81) Di-n-octylphthalate	9.658	149	558881	35.41	ug/ml	92
82) Benzo(b)fluoranthene	10.278	252	347723	34.17	ug/ml	96
83) Benzo(k)fluoranthene	10.327	252	330553	36.89	ug/ml	94
84) Benzo(a)pyrene	10.891	252	314847	35.69	ug/ml	96
85) Indeno(1,2,3-cd)pyrene	12.933	276	239101	32.18	ug/ml	92
86) Dibenz(a,h)anthracene	12.982	278	257265	33.20	ug/ml	93
87) Benzo(g,h,i)perylene	13.322	276	265739	34.83	ug/ml	90

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108017.D
Acq On : 18 Apr 2022 4:51 pm
Operator : BGL
Sample : B305646-MS1@/rprp Inst : GCMSSV4
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 18 17:03:19 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-MSD1	File ID:	D22S108014.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/18/22 15:35
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
83-32-9	Acenaphthene	32.3	0.53	5.1	
208-96-8	Acenaphthylene	32.9	0.49	5.1	
98-86-2	Acetophenone	30.0	0.54	10	
62-53-3	Aniline	25.2	0.71	5.1	V-05
120-12-7	Anthracene	34.2	0.47	5.1	
92-87-5	Benzidine	37.2	11	20	V-04, V-05, V-35
56-55-3	Benzo(a)anthracene	34.3	0.42	5.1	
50-32-8	Benzo(a)pyrene	36.6	0.58	5.1	
205-99-2	Benzo(b)fluoranthene	34.7	0.48	5.1	
191-24-2	Benzo(g,h,i)perylene	33.1	0.62	5.1	
207-08-9	Benzo(k)fluoranthene	37.1	0.50	5.1	
65-85-0	Benzoic Acid	15.5	8.6	10	MS-09
111-91-1	Bis(2-chloroethoxy)methane	29.2	0.47	10	
111-44-4	Bis(2-chloroethyl)ether	24.2	0.58	10	
108-60-1	Bis(2-chloroisopropyl)ether	25.3	0.70	10	V-05
117-81-7	Bis(2-Ethylhexyl)phthalate	34.7	0.86	10	
101-55-3	4-Bromophenylphenylether	35.1	0.48	10	
85-68-7	Butylbenzylphthalate	33.0	0.69	10	
86-74-8	Carbazole	34.0	0.43	10	
106-47-8	4-Chloroaniline	30.4	0.59	10	V-34
59-50-7	4-Chloro-3-methylphenol	31.3	0.57	10	
91-58-7	2-Chloronaphthalene	30.0	0.50	10	
95-57-8	2-Chlorophenol	26.8	0.48	10	
7005-72-3	4-Chlorophenylphenylether	33.9	0.49	10	
218-01-9	Chrysene	33.6	0.40	5.1	
53-70-3	Dibenz(a,h)anthracene	32.3	0.70	5.1	
132-64-9	Dibenzofuran	35.9	0.50	5.1	
84-74-2	Di-n-butylphthalate	32.3	0.47	10	
95-50-1	1,2-Dichlorobenzene	25.8	0.68	5.1	
541-73-1	1,3-Dichlorobenzene	24.4	0.69	5.1	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-MSD1	File ID:	D22S108014.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/18/22 15:35
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-46-7	1,4-Dichlorobenzene	24.7	0.68	5.1	
91-94-1	3,3-Dichlorobenzidine	35.0	0.73	10	
120-83-2	2,4-Dichlorophenol	31.7	0.49	10	
84-66-2	Diethylphthalate	33.3	0.43	10	
105-67-9	2,4-Dimethylphenol	29.7	0.72	10	
131-11-3	Dimethylphthalate	32.8	0.38	10	
534-52-1	4,6-Dinitro-2-methylphenol	32.5	7.2	10	
51-28-5	2,4-Dinitrophenol	29.8	8.2	10	
121-14-2	2,4-Dinitrotoluene	35.8	0.63	10	
606-20-2	2,6-Dinitrotoluene	36.7	0.53	10	
117-84-0	Di-n-octylphthalate	34.3	4.0	10	
122-66-7	1,2-Diphenylhydrazine/Azobenzene	32.4	0.59	10	
206-44-0	Fluoranthene	32.9	0.44	5.1	
86-73-7	Fluorene	34.6	0.53	5.1	
118-74-1	Hexachlorobenzene	37.2	0.52	10	
87-68-3	Hexachlorobutadiene	30.0	0.79	10	
77-47-4	Hexachlorocyclopentadiene	15.8	3.8	10	
67-72-1	Hexachloroethane	22.6	0.75	10	
193-39-5	Indeno(1,2,3-cd)pyrene	31.9	0.76	5.1	
78-59-1	Isophorone	33.0	0.56	10	
90-12-0	1-Methylnaphthalene	28.9	0.61	5.1	
91-57-6	2-Methylnaphthalene	33.1	0.71	5.1	
95-48-7	2-Methylphenol	26.7	0.48	10	
108-39-4/106-44-5	3/4-Methylphenol	25.9	0.47	10	
91-20-3	Naphthalene	28.8	0.63	5.1	
88-74-4	2-Nitroaniline	32.9	0.71	10	
99-09-2	3-Nitroaniline	34.0	0.60	10	
100-01-6	4-Nitroaniline	36.3	0.61	10	
98-95-3	Nitrobenzene	28.7	0.64	10	
88-75-5	2-Nitrophenol	29.2	0.52	10	

1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Water	Laboratory ID:	B305646-MSD1	File ID:	D22S108014.D
Sampled:		Prepared:	04/13/22 07:43	Analyzed:	04/18/22 15:35
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B305646	Sequence:	S070527	Calibration:	2200193
Instrument:	GCMSSV4				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol	18.5	2.1	10	
62-75-9	N-Nitrosodimethylamine	18.1	0.80	10	MS-09
86-30-6	N-Nitrosodiphenylamine/Diphenylamine	35.4	0.39	10	
621-64-7	N-Nitrosodi-n-propylamine	28.9	0.63	10	
82-68-8	Pentachloronitrobenzene	37.0	0.64	10	
87-86-5	Pentachlorophenol	32.6	3.6	10	
85-01-8	Phenanthrene	34.2	0.49	5.1	
108-95-2	Phenol	12.1	0.23	10	MS-09
129-00-0	Pyrene	36.1	0.62	5.1	
110-86-1	Pyridine	11.8	2.5	5.1	MS-09
95-94-3	1,2,4,5-Tetrachlorobenzene	33.6	0.67	10	
120-82-1	1,2,4-Trichlorobenzene	29.6	0.68	5.1	
95-95-4	2,4,5-Trichlorophenol	38.4	0.52	10	
88-06-2	2,4,6-Trichlorophenol	35.9	0.46	10	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108014.D
Acq On : 18 Apr 2022 3:35 pm
Operator : BGL
Sample : B305646-MSD1 Inst : GCMSSV4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 15:47:39 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-D4	3.324	152	115674	40.00	ug/ml	0.00
19) NAPHTHALENE-d8	4.055	136	434640	40.00	ug/ml	0.00
35) ACENAPHTHENE-D10	5.126	164	226845	40.00	ug/ml	0.00
58) PHENANTHRENE-D10	6.051	188	388793	40.00	ug/ml	0.00
71) CHRYSENE-D12	8.502	240	279490	40.00	ug/ml	0.00
80) PERYLENE-D12	11.007	264	249772	40.00	ug/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	2.660	112	268352	74.66	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 37.33%			
3) Phenol-d6	3.115	99	306736	52.81	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 26.41%#			
20) Nitrobenzene-d5	3.630	82	277008	59.22	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 59.22%			
36) 2-Fluorobiphenyl	4.701	172	528544	70.74	ug/ml	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 70.74%			
37) 2,4,6-Tribromophenol	5.615	330	155614	156.69	ug/ml	0.00
Spiked Amount 200.000	Range 30 - 130		Recovery = 78.34%			
72) Terphenyl-d14	7.243	244	611738	75.98	ug/ml	-0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 75.98%			
Target Compounds						Qvalue
4) N-Nitrosodimethylamine	2.031	42	55162	17.76	ug/ml	95
5) Pyridine	2.062	79	65786	11.61	ug/ml	97
6) Aniline	3.144	66	59315	24.73	ug/ml	99
7) Phenol	3.123	94	83094	11.86	ug/ml	86
8) Bis(2-chloroethyl)ether	3.164	63	109869	23.69	ug/ml	92
9) 2-Chlorophenol	3.216	128	136923	26.26	ug/ml	94
10) 1,3-Dichlorobenzene	3.296	146	121746	23.88	ug/ml	99
11) 1,4-Dichlorobenzene	3.334	146	123502	24.24	ug/ml	99
12) 1,2-Dichlorobenzene	3.419	146	121688	25.31	ug/ml	99
13) 2- METHYLPHENOL	3.450	108	117425	26.14	ug/ml#	83
14) Bis(2-Chloroisopropyl)...	3.458	45	214520	24.82	ug/ml#	71
15) Acetophenone	3.540	105	193359	29.38	ug/ml#	76
16) 3/4- METHYLPHENOL	3.535	107	127195	25.39	ug/ml#	66
17) N-Nitroso-Di-N-Propyla...	3.533	70	100500	28.33	ug/ml	84
18) Hexachloroethane	3.612	117	45121	22.17	ug/ml	89
21) NITROBENZENE	3.643	77	140712	28.10	ug/ml	98
22) Isophorone	3.775	82	282857	32.35	ug/ml	97
23) 2-Nitrophenol	3.826	139	73814	28.66	ug/ml#	81
24) 2,4-Dimethylphenol	3.841	122	125966	29.15	ug/ml	99
25) Bis(2-Chloroethoxy)met...	3.890	93	160901	28.58	ug/ml	98
26) Benzoic Acid	3.883	122	46459	15.20	ug/ml	95
27) 2,4-Dichlorophenol	3.970	162	122971	31.10	ug/ml	98
28) 1,2,4-Trichlorobenzene	4.019	180	111128	29.03	ug/ml	99
29) Naphthalene	4.068	128	360118	28.24	ug/ml	100
30) 4-Chloroaniline	4.094	127	134885	29.79	ug/ml	99
31) Hexachlorobutadiene	4.132	225	57295	29.42	ug/ml	100
32) 4-Chloro-3-Methylphenol	4.385	107	134034	30.66	ug/ml	99
33) 2-MethylNaphthalene	4.483	142	242791	32.45	ug/ml	100
34) 1-Methylnaphthalene	4.544	142	233073	28.37	ug/ml	99
38) Hexachlorocyclopentadiene	4.575	237	30182	15.44	ug/ml	98
39) 1,2,4,5-Tetrachloroben...	4.586	216	117473	32.95	ug/ml	99
40) 2,4,6-Trichlorophenol	4.655	196	91830	35.23	ug/ml	99
41) 2,4,5-Trichlorophenol	4.683	196	98901	37.65	ug/ml	98
42) 2-ChloroNaphthalene	4.784	162	260619	29.44	ug/ml	99

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108014.D
Acq On : 18 Apr 2022 3:35 pm
Operator : BGL
Sample : B305646-MSD1 Inst : GCMSSV4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 18 15:47:39 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration

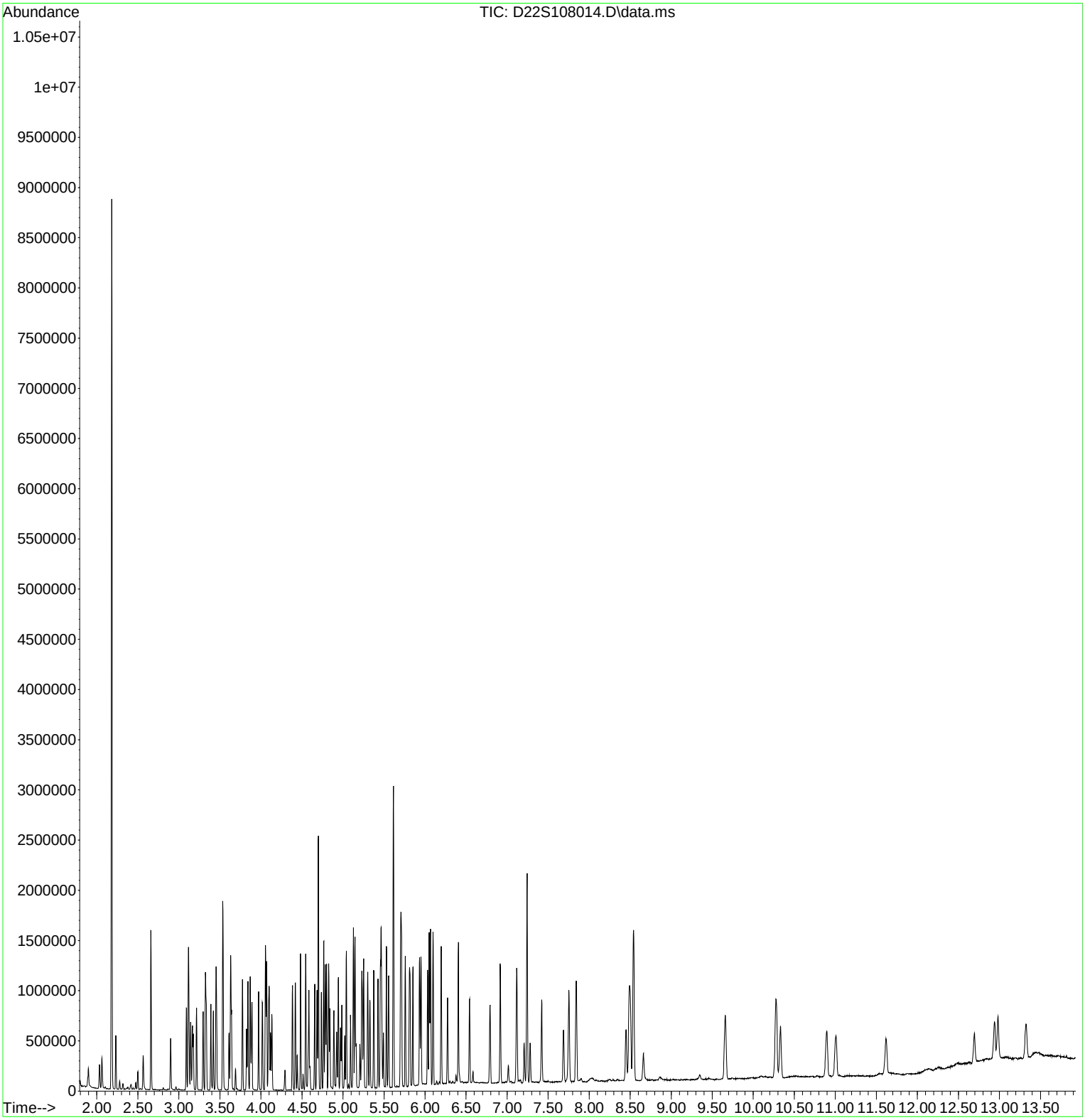
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2-Nitroaniline	4.840	65	90944	32.23	ug/ml	93
44) 1,1-Biphenyl	4.766	154	308744	33.74	ug/ml#	97
45) DIMETHYL PHTHALATE	4.943	163	300578	32.19	ug/ml	100
46) 2,6-DinitroToluene	4.985	165	70190	36.00	ug/ml	91
47) Acenaphthylene	5.041	152	399780	32.22	ug/ml	100
48) 3-Nitroaniline	5.093	138	74609	33.31	ug/ml	96
49) Acenaphthene	5.147	154	246342	31.64	ug/ml	99
50) 2,4-Dinitrophenol	5.160	184	36216	29.24	ug/ml#	1
51) 4-Nitrophenol	5.206	109	25375	18.16	ug/ml	96
52) Dibenzofuran	5.252	168	351997	35.18	ug/ml	100
53) 2,4-Dinitrotoluene	5.237	165	91461	35.08	ug/ml	93
54) DIETHYL PHTHALATE	5.373	149	301770	32.68	ug/ml	99
55) 4-Chlorophenyl phenyl ...	5.456	204	136841	33.26	ug/ml	99
56) Flourene	5.464	166	281491	33.88	ug/ml	99
57) 4-Nitroaniline	5.474	138	80594	35.58	ug/ml#	86
59) 4,6-Dinitro-2-Methylph...	5.492	198	46194	31.86	ug/ml	87
60) N-Nitrosodiphenylamine	5.531	169	233963	34.73	ug/ml	98
61) 1,2-Diphenylhydrazine	5.556	77	290336	31.80	ug/ml	96
62) 4-Bromophenyl phenyl e...	5.760	248	75057	34.41	ug/ml	97
63) Hexachlorobenzene	5.809	284	84709	36.42	ug/ml	97
64) Pentachlorophenol	5.932	266	49091	31.99	ug/ml	98
65) Pentachloronitrobenzene	5.937	295	14781	36.25	ug/ml	96
66) Phenanthrene	6.066	178	403065	33.55	ug/ml	99
67) Anthracene	6.097	178	406510	33.48	ug/ml	99
68) Carbazole	6.197	167	389622	33.28	ug/ml	100
69) Di-N-Butyl Phthalate	6.406	149	508975	31.66	ug/ml	100
70) Flouranthene	6.916	202	415859	32.25	ug/ml	96
73) Benzidine	7.014	184	60914	36.50	ug/ml	95
74) Pyrene	7.117	202	426047	35.41	ug/ml	99
75) Butylbenzyl phthalate	7.755	149	214995	32.34	ug/ml	93
76) 3,3'-Dichlorobenzidine	8.450	252	126152	34.27	ug/ml	96
77) Benzo(a)anthracene	8.489	228	362237	33.58	ug/ml	99
78) Chrysene	8.540	228	327394	32.94	ug/ml	99
79) Bis(2-ethylhexyl)phtha...	8.540	149	292060	33.99	ug/ml	99
81) Di-n-octylphthalate	9.660	149	491971	33.65	ug/ml	92
82) Benzo(b)fluoranthene	10.281	252	320160	33.97	ug/ml	95
83) Benzo(k)fluoranthene	10.332	252	301320	36.31	ug/ml	93
84) Benzo(a)pyrene	10.896	252	293045	35.86	ug/ml	95
85) Indeno(1,2,3-cd)pyrene	12.938	276	215026	31.25	ug/ml	91
86) Dibenz(a,h)anthracene	12.985	278	227032	31.63	ug/ml	94
87) Benzo(g,h,i)perylene	13.324	276	229206	32.43	ug/ml	89

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

Data Path : C:\msdchem\1\DATA\D041822\
Data File : D22S108014.D
Acq On : 18 Apr 2022 3:35 pm
Operator : BGL
Sample : B305646-MSD1 Inst : GCMSSV4
Misc :
ALS Vial : 14 Sample Multiplier: 1

948

Quant Time: Apr 18 15:47:39 2022
Quant Method : C:\MSDCHEM\1\METHODS\BND04042.M
DataAcq Meth:BND04042.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Tue Apr 05 11:39:03 2022
Response via : Initial Calibration



PREPARATION BENCH SHEET

Printed: 4/26/2022 9:42:32AM

Analysis
625 Base/Neutral
8270 Standard
8270 STARS

B305535

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3510C

Surrogate Solution
2204073 Semi Surrogate 100-200ppm

Spiking Solution
2203410 8270/Svoa Spike-50 ppm

Matrix: Water

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B305535-BLK1	Blank								1000		
B305535-BS1	LCS							1000	1000	Shared W/B305612	
B305535-BSD1	LCS Dup							1000	1000	Shared W/B305612	
B305535-MS1	Matrix Spike [22D0333-15]							1000	1000	Sediment/Emulsion	
B305535-MSD1	Matrix Spike Dup [22D0333-15]							1000	1000	Sediment/Emulsion	
22D0333-15	MW-AM16-040522-1		04/05/22						1000	Added for BatchQC in: B305535 (Sediment/Emulsion)	8
22D0333-15	MW-AM16-040522-1		04/05/22						1000	Added for BatchQC in: B305535 (Sediment/Emulsion)	8
22D0333-15	MW-AM16-040522-1		04/05/22						1000	Added for BatchQC in: B305535 (Sediment/Emulsion)	8
22D0360-02	-02	05/04/22	04/13/22						1000		20
22D0439-01	Sample 1	04/27/22	04/12/22						1000	Sediment/Emulsion	14
22D0541-03	907017-MW-113S	04/19/22	04/12/22						1000	sediment	7
22D0541-04	907017-DUP-04062022	04/19/22	04/13/22						1000	sediment	7
22D0541-05	907017-MW-101	04/19/22	04/12/22						1000	sediment	7
22D0541-08	907017-MW-114S	04/19/22	04/12/22						1000	sediment/emulsion	7
22D0541-09	907017-MW-115S	04/19/22	04/12/22						1000	sediment	7
22D0541-10	907017-MW-102I	04/19/22	04/12/22						1000		7
22D0541-11	907017-MW-102S	04/19/22	04/12/22						1000		7
22D0541-12	907017-MW-117D	04/19/22	04/12/22						1000	Sediment	7
22D0541-13	907017-MW-117I	04/19/22	04/12/22						1000	Sediment	7

949

Spikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Printed: 4/26/2022 9:42:32AM

Analysis
625 Base/Neutral
8270 Standard
8270 STARS

B305535

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3510C

Surrogate Solution
2204073 Semi Surrogate 100-200ppm

Spiking Solution
2203410 8270/Svoa Spike-50 ppm

Matrix: Water

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
22D0541-16	907017-RB-04052022	04/19/22	04/12/22						1000		7
22D0541-17	907017-FB-04052022	04/19/22	04/12/22						1000		7

SIM B305640

Start Date/Time _____

StopDate/Time _____

Standard ID#	Description	Manufacture Lot#
2202402	Filter Paper (Fisher) 15.0cm	17398592, 17485
2203262	10N NaOH (Sodium Hydroxide)	Sodium Hydroxid
2203264	1:1 - Sulfuric Acid : DI Water	Sulfuric Acid /220
2203453	Acetone	218251, 219166
2204060	Methylene Chloride (200 L Drum)	ED789-US
2204172	Sodium Sulfate (Baked)	Sodium Sulfate/2

950

Spikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Printed: 4/26/2022 9:41:58AM

Analysis
625 Standard
8270 PAH
8270 Standard

B305646

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3510C

Surrogate Solution
2204073 Semi Surrogate 100-200ppm

Spiking Solution
2203410 8270/Svoa Spike-50 ppm

Matrix: Water

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
B305646-BLK1	Blank								1000		
B305646-BS1	LCS							1000	1000	shared w/ B305612	
B305646-BSD1	LCS Dup							1000	1000	shared w/ B305612	
B305646-MS1	Matrix Spike [22D0541-15]							1000	1000		
B305646-MSD1	Matrix Spike Dup [22D0541-15]							1000	1000		
22D0398-01	Composite	04/15/22	04/13/22						1000	report to the MDL (Sediment/double alliquot 5th shake)	7
22D0429-01	SN001	04/13/22	04/13/22						1000	reporting PAHs only/sediment/emulsion	5
22D0429-02	SN002	04/13/22	04/13/22						1000	reporting PAHs only	5
22D0449-01	Boiler Water Drum	04/18/22	04/13/22						1000	Heavy emulsion	7
22D0449-02	Rainwater Drum	04/18/22	04/13/22						1000		7
22D0485-01	Composite	04/14/22	04/14/22						1000	report to the MDL	5
22D0520-01	TMLP Oak & Maple St MH	04/14/22	04/13/22						1000	Heavy emulsion	7
22D0541-01	907017-MW-116S	04/19/22	04/13/22						1000	Sediment	7
22D0541-02	907017-MW-109S	04/19/22	04/13/22						1000	Sediment	7
22D0541-06	907017-MW-117S	04/19/22	04/13/22						1000		7
22D0541-07	907017-MW-118S	04/19/22	04/13/22						1000	Sediment	7
22D0541-14	907017-MW-109I	04/19/22	04/13/22						1000		7
22D0541-15	907017-MW-109D	04/19/22	04/13/22						1000	MS/MSD	7

951

Spikedby/Witnessed By Date

Extracted By Date

PREPARATION BENCH SHEET

Printed: 4/26/2022 9:41:58AM

Analysis
625 Standard
8270 PAH
8270 Standard

B305646

Con-Test, a Pace Analytical Laboratory

Prepared using: SW-846 3510C

Surrogate Solution
2204073 Semi Surrogate 100-200ppm

Spiking Solution
2203410 8270/Svoa Spike-50 ppm

Matrix: Water

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments	TAT
22D0541-15	907017-MW-109D		04/06/22						1000	Added for BatchQC in: B305646	7
22D0541-15	907017-MW-109D		04/06/22						1000	Added for BatchQC in: B305646	7
22D0541-18	907017-RB-04062022	04/19/22	04/13/22						1000		7
22D0541-19	907017-FB-04062022	04/19/22	04/13/22						1000		7
22D0617-01	SW-1 StormWater	04/19/22	04/13/22						1000		7

Start Date/Time _____

StopDate/Time _____

Standard ID#	Description	Manufacture Lot#
2202402	Filter Paper (Fisher) 15.0cm	17398592, 17485
2203262	10N NaOH (Sodium Hydroxide)	Sodium Hydroxid
2203264	1:1 - Sulfuric Acid : DI Water	Sulfuric Acid /220
2203453	Acetone	218251, 219166
2204060	Methylene Chloride (200 L Drum)	ED789-US
2204172	Sodium Sulfate (Baked)	Sodium Sulfate/2

952

Spikedby/Witnessed By _____ Date _____

Extracted By _____ Date _____

C:\msdchem\1\DATA\D041322\

Date	Filename	Lab ID	Sample Info
13 Apr 2022 9:41 am	D22S103001.D	DFTPP 50ng 2202022 F2 2106r23	
13 Apr 2022 10:06 am	D22S103002.D	8270std 50ppm 2203504	
13 Apr 2022 10:32 am	D22S103003.D	NCEXtras 50 ppm 2201251	
13 Apr 2022 10:59 am	D22S103004.D	B305236-MS1@/mcps	
13 Apr 2022 11:26 am	D22S103005.D	B305236-MSD1	
13 Apr 2022 11:52 am	D22S103006.D	22D0279-01	
13 Apr 2022 12:20 pm	D22S103007.D	22D0279-03	
13 Apr 2022 12:47 pm	D22S103008.D	22D0279-05	
13 Apr 2022 1:15 pm	D22S103009.D	22D0279-07	
13 Apr 2022 1:41 pm	D22S103010.D	22D0279-09	
13 Apr 2022 2:10 pm	D22S103011.D	22D0279-11	
13 Apr 2022 2:36 pm	D22S103012.D	22D0279-13	
13 Apr 2022 3:02 pm	D22S103013.D	22D0279-15	
13 Apr 2022 3:28 pm	D22S103014.D	22D0279-17	
13 Apr 2022 3:54 pm	D22S103015.D	22D0279-19	
13 Apr 2022 4:19 pm	D22S103016.D	22D0279-21	
13 Apr 2022 4:43 pm	D22S103017.D	22D0279-23	
13 Apr 2022 5:08 pm	D22S103018.D	22D0279-25	
13 Apr 2022 5:33 pm	D22S103019.D	22D0011-02@/stars	
13 Apr 2022 5:58 pm	D22S103020.D	22D0011-03	
13 Apr 2022 6:23 pm	D22S103021.D	22d0047-09@/extrasTIC	
13 Apr 2022 6:48 pm	D22S103022.D	22d0047-21	
13 Apr 2022 7:12 pm	D22S103023.D	22d0059-11	
13 Apr 2022 7:37 pm	D22S103024.D	22d0059-13	
13 Apr 2022 8:01 pm	D22S103025.D	22D0541-03@/stdw	
13 Apr 2022 8:26 pm	D22S103026.D	22D0541-04	
13 Apr 2022 8:50 pm	D22S103027.D	22D0541-05	
13 Apr 2022 9:14 pm	D22S103028.D	22D0541-08	
13 Apr 2022 9:38 pm	D22S103029.D	22D0541-09	

C:\msdchem\1\DATA\D041422\

Date	Filename	Lab ID	Sample Info
14 Apr 2022 7:14 am	D22S104001.D	DFTPP 50ng 2202022 F2 2118	
14 Apr 2022 7:39 am	D22S104002.D	8270std 50ppm 2203504	
14 Apr 2022 8:25 am	D22S104003.D	B305646-BS1@/6258270W	
14 Apr 2022 8:50 am	D22S104004.D	B305646-BSD1@/B305612	
14 Apr 2022 9:14 am	D22S104005.D	B305646-BLK1	
14 Apr 2022 9:42 am	D22S104006.D	22D0429-01@4X	
14 Apr 2022 10:07 am	D22S104007.D	22D0429-02	
14 Apr 2022 10:38 am	D22S104008.D	B305612-BLK1@/tclp	
14 Apr 2022 11:02 am	D22S104009.D	22D0214-01	
14 Apr 2022 11:27 am	D22S104010.D	22D0520-01@/stdw	
14 Apr 2022 11:51 am	D22S104011.D	22d0485-01@/625	
	D22S104012.D		

C:\msdchem\1\DATA\D041422\

Date	Filename	Lab ID	Sample Info
14 Apr 2022 7:14 am	D22S104001.D	DFTPP 50ng 2202022 F2 2118	
14 Apr 2022 7:39 am	D22S104002.D	8270std 50ppm 2203504	
14 Apr 2022 8:25 am	D22S104003.D	B305646-BS1@/6258270W	
14 Apr 2022 8:50 am	D22S104004.D	B305646-BSD1@/B305612	
14 Apr 2022 9:14 am	D22S104005.D	B305646-BLK1	
14 Apr 2022 9:42 am	D22S104006.D	22D0429-01@4X	
14 Apr 2022 10:07 am	D22S104007.D	22D0429-02	
14 Apr 2022 10:38 am	D22S104008.D	B305612-BLK1@/tclp	
14 Apr 2022 11:02 am	D22S104009.D	22D0214-01	
14 Apr 2022 11:27 am	D22S104010.D	22D0520-01@/stdw	
14 Apr 2022 11:51 am	D22S104011.D	22d0485-01@/625	
14 Apr 2022 12:25 pm	D22S104012.D	DFTPP 50ng 2202022 F2 2118	
14 Apr 2022 12:50 pm	D22S104013.D	8270std 50ppm 2203504	
14 Apr 2022 1:14 pm	D22S104014.D	NCExtras 50 ppm 2201251	
14 Apr 2022 1:41 pm	D22S104015.D	B305535-BS1@8270W625	
14 Apr 2022 2:05 pm	D22S104016.D	B305535-BSD1	
14 Apr 2022 2:29 pm	D22S104017.D	B305535-BLK1	
14 Apr 2022 2:54 pm	D22S104018.D	22D0360-02@/WP0422 dcbonly	
14 Apr 2022 3:18 pm	D22S104019.D	B305616-BS1@/8270S	
14 Apr 2022 3:42 pm	D22S104020.D	B305616-BSD1@/extras	
14 Apr 2022 4:06 pm	D22S104021.D	B305616-BLK1@/extras	
14 Apr 2022 4:30 pm	D22S104022.D	22D0571-01@/mcps	
14 Apr 2022 4:54 pm	D22S104023.D	22D0571-02	
14 Apr 2022 5:18 pm	D22S104024.D	22D0571-03	
14 Apr 2022 5:42 pm	D22S104025.D	22D0571-04	
14 Apr 2022 6:06 pm	D22S104026.D	22D0571-05	
14 Apr 2022 6:30 pm	D22S104027.D	22D0571-06	
14 Apr 2022 6:54 pm	D22S104028.D	22D0606-05@/rcpsCLP	
14 Apr 2022 7:18 pm	D22S104029.D	22D0568-01	
14 Apr 2022 7:43 pm	D22S104030.D	22D0568-01RE1@10X	
14 Apr 2022 8:08 pm	D22S104031.D	B305616-MS1@/mcps	
14 Apr 2022 8:33 pm	D22S104032.D	B305616-MSD1	
14 Apr 2022 8:59 pm	D22S104033.D	BLK	
14 Apr 2022 9:23 pm	D22S104034.D	22D0541-10@/stdw	
14 Apr 2022 9:47 pm	D22S104035.D	22D0541-11	
14 Apr 2022 10:12 pm	D22S104036.D	22D0541-12	
14 Apr 2022 10:37 pm	D22S104037.D	22D0541-13	
14 Apr 2022 11:02 pm	D22S104038.D	22D0541-16	
14 Apr 2022 11:27 pm	D22S104039.D	22D0541-17	
14 Apr 2022 11:53 pm	D22S104040.D	22D0003-01@/starsw	
15 Apr 2022 12:19 am	D22S104041.D	22D0398-01@/625	

C:\msdchem\1\DATA\D041522\

Date	Filename	Lab ID	Sample Info
15 Apr 2022 7:48 am	D22S105001.D	DFTPP 50ng 2202022 F2 2118	
15 Apr 2022 8:14 am	D22S105002.D	8270std 50ppm 2203504	
15 Apr 2022 8:38 am	D22S105003.D	B304884-BS1@/stars	
15 Apr 2022 9:03 am	D22S105004.D	B304884-BSD1	
15 Apr 2022 9:28 am	D22S105005.D	B304884-BLK1	
15 Apr 2022 9:53 am	D22S105006.D	22D0606-05re1@10x	
15 Apr 2022 10:19 am	D22S105007.D	22D0449-01	
15 Apr 2022 10:44 am	D22S105008.D	22D0449-02	
15 Apr 2022 11:10 am	D22S105009.D	22D0003-02	
15 Apr 2022 11:34 am	D22S105010.D	22D0003-03	
15 Apr 2022 11:59 am	D22S105011.D	22D0003-04	
15 Apr 2022 12:24 pm	D22S105012.D	22D0003-05	
15 Apr 2022 12:48 pm	D22S105013.D	22D0003-06	
15 Apr 2022 1:13 pm	D22S105014.D	22D0003-07	
15 Apr 2022 1:37 pm	D22S105015.D	22D0003-08	
15 Apr 2022 2:01 pm	D22S105016.D	22D0003-09	
15 Apr 2022 2:26 pm	D22S105017.D	22D0003-04RE1@5X	
15 Apr 2022 2:50 pm	D22S105018.D	B305763-BS1	
15 Apr 2022 3:15 pm	D22S105019.D	B305763-BSD1	
15 Apr 2022 3:39 pm	D22S105020.D	B305763-BLK1	
15 Apr 2022 4:03 pm	D22S105021.D	22D0541-01	
15 Apr 2022 4:30 pm	D22S105022.D	22D0541-02	
15 Apr 2022 4:56 pm	D22S105023.D	22D0617-01	

Sequence Name: C:\msdchem\1\sequence\C041622.s
Comment: SEMI GCMSSV3(C)
Operator: BGL
Data Path: C:\MSDCHEM\1\DATA\C041622\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line		Sample Name/Misc Info
1)	Sample 1	C2210601 BNC02232 DFTPP 50 ng 2202022 f12047
2)	Sample 2	C2210602 BNC02232 8270std 50ppm 2203504
3)	Sample 3	C2210603 BNC02232 22D0156-01@/mcps
4)	Sample 4	C2210604 BNC02232 22D0156-02
5)	Sample 5	C2210605 BNC02232 22D0156-01RE1@5X
6)	Sample 6	C2210606 BNC02232 22D0156-02RE1@5X
7)	Sample 7	C2210607 BNC02232 22D0541-06@/stdw
8)	Sample 8	C2210608 BNC02232 22D0541-07
9)	Sample 9	C2210609 BNC02232 B305503-BS1@/STARS
10)	Sample 10	C2210610 BNC02232 B305503-BSD1
11)	Sample 11	C2210611 BNC02232 B305503-BLK1
12)	Sample 12	C2210612 BNC02232 22D0211-01
13)	Sample 13	C2210613 BNC02232 22D0211-02
14)	Sample 14	C2210614 BNC02232 22D0211-03
15)	Sample 15	C2210615 BNC02232 22D0211-04
16)	Sample 16	C2210616 BNC02232 22D0211-05
17)	Sample 17	C2210617 BNC02232 22D0211-06
18)	Sample 18	C2210618 BNC02232 22D0211-07
19)	Sample 19	C2210619 BNC02232 22D0211-08
20)	Sample 20	C2210620 BNC02232 22D0211-09
21)	Sample 21	C2210621 BNC02232 22D0211-10
22)	Sample 22	C2210622 BNC02232 22D0215-01
23)	Sample 23	C2210623 BNC02232 22D0218-01
24)	Sample 24	C2210624 BNC02232 22D0218-02
25)	Sample 25	C2210625 BNC02232 22D0219-04@/stars
26)	Sample 26	C2210626 BNC02232 22D0219-05
27)	Sample 27	C2210627 BNC02232 22D0215-01RE1@10X
28)	Sample 28	C2210628 BNC02232 22D0218-01RE1@10X

C:\msdchem\1\DATA\D041822\

Date	Filename	Lab ID	Sample Info
18 Apr 2022 10:10 am	D22S108001.D	DFTPP 50ng 2202022 F2 2129	
18 Apr 2022 10:34 am	D22S108002.D	8270std 50ppm 2203504	
18 Apr 2022 10:58 am	D22S108003.D	NCEextras 50 PPM 2201251	
18 Apr 2022 11:23 am	D22S108004.D	8270std 50 ppm 2203504	
18 Apr 2022 11:50 am	D22S108005.D	B305768-BS1@/8270S	
18 Apr 2022 12:15 pm	D22S108006.D	B305768-BSD1	
18 Apr 2022 12:40 pm	D22S108007.D	B305768-BLK1	
18 Apr 2022 1:05 pm	D22S108008.D	22D0302-01@/ASPextras	
18 Apr 2022 1:30 pm	D22S108009.D	22D0302-02	
18 Apr 2022 1:55 pm	D22S108010.D	22D0302-03	
18 Apr 2022 2:20 pm	D22S108011.D	22D0302-04	
18 Apr 2022 2:45 pm	D22S108012.D	22D0559-01@/mcps	
18 Apr 2022 3:10 pm	D22S108013.D	B305646-MS1@STdw	
18 Apr 2022 3:35 pm	D22S108014.D	B305646-MSD1	
18 Apr 2022 4:00 pm	D22S108015.D	22D0541-14	
18 Apr 2022 4:25 pm	D22S108016.D	22D0541-15	
18 Apr 2022 4:51 pm	D22S108017.D	B305646-MS1@/rprp	
18 Apr 2022 5:16 pm	D22S108018.D	22D0541-18	
18 Apr 2022 5:41 pm	D22S108019.D	22D0541-19	
18 Apr 2022 6:06 pm	D22S108020.D	22D1027-01@/mcps	
18 Apr 2022 6:31 pm	D22S108021.D	22D1056-01	
18 Apr 2022 6:55 pm	D22S108022.D	22D1079-01	
18 Apr 2022 7:20 pm	D22S108023.D	22D1079-02	
18 Apr 2022 7:44 pm	D22S108024.D	22D0559-01RE1@5X	
18 Apr 2022 8:09 pm	D22S108025.D	22D0572-01@2X	
18 Apr 2022 8:33 pm	D22S108026.D	22D0572-02	
18 Apr 2022 8:58 pm	D22S108027.D	22D0572-01RE1@10X	
18 Apr 2022 9:23 pm	D22S108028.D	22D0572-02RE1@4X	
18 Apr 2022 9:47 pm	D22S108029.D	22D1070-01	

ICP

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01
Sampled:	04/06/22 09:19		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.26	0.015	0.050	1		B305681	04/14/22 15:03	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:03	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-39-3	Barium	0.15	0.0056	0.050	1		B305681	04/14/22 15:03	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:03	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:03	SW-846 6010D
7440-70-2	Calcium	130	0.11	0.50	1		B305681	04/14/22 15:03	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7439-89-6	Iron	11	0.019	0.050	1		B305681	04/14/22 15:03	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7439-95-4	Magnesium	30	0.048	0.25	5		B305681	04/18/22 17:52	SW-846 6010D
7439-96-5	Manganese	1.3	0.0017	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-09-7	Potassium	1.3	0.30	2.0	1	J	B305681	04/14/22 15:03	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:03	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-23-5	Sodium	6.8	0.53	2.0	1		B305681	04/14/22 15:03	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:03	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:03	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 15:03	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02
Sampled:	04/06/22 09:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.093	0.015	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-39-3	Barium	0.25	0.0056	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:09	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:09	SW-846 6010D
7440-70-2	Calcium	68	0.11	0.50	1		B305681	04/14/22 15:09	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7439-89-6	Iron	0.52	0.019	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7439-95-4	Magnesium	14	0.0095	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7439-96-5	Manganese	2.1	0.0017	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-09-7	Potassium	0.91	0.30	2.0	1	J	B305681	04/14/22 15:09	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-23-5	Sodium	7.7	0.53	2.0	1		B305681	04/14/22 15:09	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:09	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:09	SW-846 6010D
7440-66-6	Zinc	0.0062	0.0042	0.010	1	J	B305681	04/14/22 15:09	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03
Sampled:	04/05/22 17:23		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.042	0.015	0.050	1	J	B305681	04/14/22 15:15	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:15	SW-846 6010D
7440-38-2	Arsenic	0.056	0.0047	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-39-3	Barium	0.47	0.0056	0.050	1		B305681	04/14/22 15:15	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:15	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:15	SW-846 6010D
7440-70-2	Calcium	100	0.11	0.50	1		B305681	04/14/22 15:15	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7439-89-6	Iron	6.2	0.019	0.050	1		B305681	04/14/22 15:15	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7439-95-4	Magnesium	31	0.048	0.25	5		B305681	04/18/22 17:57	SW-846 6010D
7439-96-5	Manganese	0.42	0.0017	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-09-7	Potassium	1.8	0.30	2.0	1	J	B305681	04/14/22 15:15	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:15	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-23-5	Sodium	21	0.53	2.0	1		B305681	04/14/22 15:15	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:15	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:15	SW-846 6010D
7440-66-6	Zinc	0.0053	0.0042	0.010	1	J	B305681	04/14/22 15:15	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04
Sampled:	04/06/22 00:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.13	0.015	0.050	1		B305681	04/14/22 15:22	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:22	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-39-3	Barium	0.15	0.0056	0.050	1		B305681	04/14/22 15:22	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:22	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:22	SW-846 6010D
7440-70-2	Calcium	110	0.11	0.50	1		B305681	04/14/22 15:22	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7439-89-6	Iron	17	0.019	0.050	1		B305681	04/14/22 15:22	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7439-95-4	Magnesium	30	0.048	0.25	5		B305681	04/18/22 18:03	SW-846 6010D
7439-96-5	Manganese	1.1	0.0017	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-09-7	Potassium	0.94	0.30	2.0	1	J	B305681	04/14/22 15:22	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:22	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-23-5	Sodium	5.5	0.53	2.0	1		B305681	04/14/22 15:22	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:22	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:22	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 15:22	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05
Sampled:	04/05/22 13:11		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum		0.015	0.050	1		B305681	04/14/22 15:28	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:28	SW-846 6010D
7440-38-2	Arsenic	0.0053	0.0047	0.010	1	J	B305681	04/14/22 15:28	SW-846 6010D
7440-39-3	Barium	0.65	0.0056	0.050	1		B305681	04/14/22 15:28	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:28	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:28	SW-846 6010D
7440-70-2	Calcium	96	0.11	0.50	1		B305681	04/14/22 15:28	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7439-89-6	Iron	1.5	0.019	0.050	1		B305681	04/14/22 15:28	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7439-95-4	Magnesium	26	0.048	0.25	5		B305681	04/18/22 18:08	SW-846 6010D
7439-96-5	Manganese	1.8	0.0017	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7440-09-7	Potassium	0.63	0.30	2.0	1	J	B305681	04/14/22 15:28	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:28	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7440-23-5	Sodium	5.6	0.53	2.0	1		B305681	04/14/22 15:28	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:28	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:28	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 15:28	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06
Sampled:	04/06/22 13:03		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.024	0.015	0.050	1	J	B305681	04/14/22 15:34	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:34	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-39-3	Barium	0.40	0.0056	0.050	1		B305681	04/14/22 15:34	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:34	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:34	SW-846 6010D
7440-70-2	Calcium	110	0.11	0.50	1		B305681	04/14/22 15:34	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7439-89-6	Iron	3.8	0.019	0.050	1		B305681	04/14/22 15:34	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7439-95-4	Magnesium	33	0.048	0.25	5		B305681	04/18/22 18:13	SW-846 6010D
7439-96-5	Manganese	0.23	0.0017	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-09-7	Potassium	1.3	0.30	2.0	1	J	B305681	04/14/22 15:34	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:34	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-23-5	Sodium	6.4	0.53	2.0	1		B305681	04/14/22 15:34	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:34	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:34	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 15:34	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07
Sampled:	04/06/22 10:59		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.14	0.015	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7440-38-2	Arsenic	0.038	0.0047	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-39-3	Barium	0.15	0.0056	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 15:59	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 15:59	SW-846 6010D
7440-70-2	Calcium	34	0.11	0.50	1		B305681	04/14/22 15:59	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7439-89-6	Iron	0.42	0.019	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7439-95-4	Magnesium	7.3	0.0095	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7439-96-5	Manganese	0.10	0.0017	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-09-7	Potassium	0.94	0.30	2.0	1	J	B305681	04/14/22 15:59	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-23-5	Sodium	13	0.53	2.0	1		B305681	04/14/22 15:59	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 15:59	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 15:59	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 15:59	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08
Sampled:	04/05/22 15:42		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	3.2	0.015	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7440-38-2	Arsenic	0.0097	0.0047	0.010	1	J	B305681	04/14/22 16:04	SW-846 6010D
7440-39-3	Barium	0.26	0.0056	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:04	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:04	SW-846 6010D
7440-70-2	Calcium	64	0.11	0.50	1		B305681	04/14/22 16:04	SW-846 6010D
7440-47-3	Chromium	0.0031	0.0025	0.010	1	J	B305681	04/14/22 16:04	SW-846 6010D
7440-48-4	Cobalt	0.0072	0.0014	0.010	1	J	B305681	04/14/22 16:04	SW-846 6010D
7440-50-8	Copper	0.015	0.0036	0.010	1		B305681	04/14/22 16:04	SW-846 6010D
7439-89-6	Iron	12	0.019	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7439-92-1	Lead	0.0085	0.0030	0.010	1	J	B305681	04/14/22 16:04	SW-846 6010D
7439-95-4	Magnesium	14	0.0095	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7439-96-5	Manganese	0.72	0.0017	0.010	1		B305681	04/14/22 16:04	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:04	SW-846 6010D
7440-09-7	Potassium	1.5	0.30	2.0	1	J	B305681	04/14/22 16:04	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:04	SW-846 6010D
7440-23-5	Sodium	11	0.53	2.0	1		B305681	04/14/22 16:04	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:04	SW-846 6010D
7440-62-2	Vanadium	0.0056	0.0031	0.010	1	J	B305681	04/14/22 16:04	SW-846 6010D
7440-66-6	Zinc	0.029	0.0042	0.010	1		B305681	04/14/22 16:04	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09
Sampled:	04/05/22 14:37		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.029	0.015	0.050	1	J	B305681	04/14/22 16:10	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:10	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-39-3	Barium	0.82	0.0056	0.050	1		B305681	04/14/22 16:10	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:10	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:10	SW-846 6010D
7440-70-2	Calcium	83	0.11	0.50	1		B305681	04/14/22 16:10	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7439-89-6	Iron	3.2	0.019	0.050	1		B305681	04/14/22 16:10	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7439-95-4	Magnesium	27	0.048	0.25	5		B305681	04/18/22 18:18	SW-846 6010D
7439-96-5	Manganese	0.32	0.0017	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-09-7	Potassium	2.7	0.30	2.0	1		B305681	04/14/22 16:10	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:10	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-23-5	Sodium	15	0.53	2.0	1		B305681	04/14/22 16:10	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:10	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:10	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 16:10	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10
Sampled:	04/05/22 17:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.092	0.015	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-39-3	Barium	0.084	0.0056	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:16	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:16	SW-846 6010D
7440-70-2	Calcium	69	0.11	0.50	1		B305681	04/14/22 16:16	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7439-89-6	Iron	0.22	0.019	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7439-95-4	Magnesium	15	0.0095	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7439-96-5	Manganese	0.045	0.0017	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-09-7	Potassium	0.98	0.30	2.0	1	J	B305681	04/14/22 16:16	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-23-5	Sodium	3.2	0.53	2.0	1		B305681	04/14/22 16:16	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:16	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:16	SW-846 6010D
7440-66-6	Zinc	0.0056	0.0042	0.010	1	J	B305681	04/14/22 16:16	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11
Sampled:	04/05/22 15:42		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.022	0.015	0.050	1	J	B305681	04/14/22 16:22	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:22	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-39-3	Barium	0.11	0.0056	0.050	1		B305681	04/14/22 16:22	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:22	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:22	SW-846 6010D
7440-70-2	Calcium	79	0.11	0.50	1		B305681	04/14/22 16:22	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7439-89-6	Iron	0.083	0.019	0.050	1		B305681	04/14/22 16:22	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7439-95-4	Magnesium	15	0.0095	0.050	1		B305681	04/14/22 16:22	SW-846 6010D
7439-96-5	Manganese	0.059	0.0017	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-09-7	Potassium	0.81	0.30	2.0	1	J	B305681	04/14/22 16:22	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:22	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-23-5	Sodium	2.5	0.53	2.0	1		B305681	04/14/22 16:22	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:22	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:22	SW-846 6010D
7440-66-6	Zinc	0.0048	0.0042	0.010	1	J	B305681	04/14/22 16:22	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12
Sampled:	04/05/22 13:51		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.52	0.015	0.050	1		B305681	04/14/22 16:28	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:28	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7440-39-3	Barium	0.69	0.0056	0.050	1		B305681	04/14/22 16:28	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:28	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:28	SW-846 6010D
7440-70-2	Calcium	110	0.11	0.50	1		B305681	04/14/22 16:28	SW-846 6010D
7440-47-3	Chromium	0.0032	0.0025	0.010	1	J	B305681	04/14/22 16:28	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7440-50-8	Copper	0.011	0.0036	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7439-89-6	Iron	0.86	0.019	0.050	1		B305681	04/14/22 16:28	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7439-95-4	Magnesium	27	0.048	0.25	5		B305681	04/18/22 18:24	SW-846 6010D
7439-96-5	Manganese	0.32	0.0017	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7440-09-7	Potassium	2.1	0.30	2.0	1		B305681	04/14/22 16:28	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:28	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7440-23-5	Sodium	5.2	0.53	2.0	1		B305681	04/14/22 16:28	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:28	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:28	SW-846 6010D
7440-66-6	Zinc	0.010	0.0042	0.010	1		B305681	04/14/22 16:28	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13
Sampled:	04/05/22 12:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.43	0.015	0.050	1		B305681	04/14/22 16:32	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:32	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7440-39-3	Barium	0.36	0.0056	0.050	1		B305681	04/14/22 16:32	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:32	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:32	SW-846 6010D
7440-70-2	Calcium	190	0.11	0.50	1		B305681	04/14/22 16:32	SW-846 6010D
7440-47-3	Chromium	0.0058	0.0025	0.010	1	J	B305681	04/14/22 16:32	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7439-89-6	Iron	0.30	0.019	0.050	1		B305681	04/14/22 16:32	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7439-95-4	Magnesium	29	0.048	0.25	5		B305681	04/18/22 18:30	SW-846 6010D
7439-96-5	Manganese	0.056	0.0017	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7440-09-7	Potassium	3.3	0.30	2.0	1		B305681	04/14/22 16:32	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:32	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:32	SW-846 6010D
7440-23-5	Sodium	4.8	0.53	2.0	1		B305681	04/14/22 16:32	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:32	SW-846 6010D
7440-62-2	Vanadium	0.0044	0.0031	0.010	1	J	B305681	04/14/22 16:32	SW-846 6010D
7440-66-6	Zinc	0.027	0.0042	0.010	1		B305681	04/14/22 16:32	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14
Sampled:	04/06/22 10:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.18	0.015	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-39-3	Barium	0.067	0.0056	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:38	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:38	SW-846 6010D
7440-70-2	Calcium	68	0.11	0.50	1		B305681	04/14/22 16:38	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7439-89-6	Iron	0.28	0.019	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7439-95-4	Magnesium	11	0.0095	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7439-96-5	Manganese	0.057	0.0017	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-09-7	Potassium	0.84	0.30	2.0	1	J	B305681	04/14/22 16:38	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-23-5	Sodium	3.2	0.53	2.0	1		B305681	04/14/22 16:38	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:38	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:38	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 16:38	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15
Sampled:	04/06/22 11:48		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum	0.24	0.015	0.050	1	MS-07A	B305681	04/17/22 16:53	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 14:58	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-39-3	Barium	0.13	0.0056	0.050	1		B305681	04/14/22 14:58	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 14:58	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 14:58	SW-846 6010D
7440-70-2	Calcium	63	0.11	0.50	1	MS-19	B305681	04/14/22 14:58	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7439-89-6	Iron	0.65	0.019	0.050	1		B305681	04/14/22 14:58	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7439-95-4	Magnesium	13	0.0095	0.050	1		B305681	04/14/22 14:58	SW-846 6010D
7439-96-5	Manganese	0.13	0.0017	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-09-7	Potassium	1.0	0.30	2.0	1	J	B305681	04/14/22 14:58	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 14:58	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-23-5	Sodium	3.8	0.53	2.0	1		B305681	04/14/22 14:58	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 14:58	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 14:58	SW-846 6010D
7440-66-6	Zinc	0.0056	0.0042	0.010	1	J	B305681	04/14/22 14:58	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16
Sampled:	04/05/22 17:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum		0.015	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-39-3	Barium		0.0056	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:44	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:44	SW-846 6010D
7440-70-2	Calcium		0.11	0.50	1		B305681	04/14/22 16:44	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7439-89-6	Iron		0.019	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7439-95-4	Magnesium		0.0095	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7439-96-5	Manganese		0.0017	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-09-7	Potassium		0.30	2.0	1		B305681	04/14/22 16:44	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-23-5	Sodium		0.53	2.0	1		B305681	04/14/22 16:44	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:44	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:44	SW-846 6010D
7440-66-6	Zinc	0.0064	0.0042	0.010	1	J	B305681	04/14/22 16:44	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17
Sampled:	04/05/22 17:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum		0.015	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-39-3	Barium		0.0056	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 16:50	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 16:50	SW-846 6010D
7440-70-2	Calcium		0.11	0.50	1		B305681	04/14/22 16:50	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7439-89-6	Iron		0.019	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7439-95-4	Magnesium		0.0095	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7439-96-5	Manganese		0.0017	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-09-7	Potassium		0.30	2.0	1		B305681	04/14/22 16:50	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-23-5	Sodium		0.53	2.0	1		B305681	04/14/22 16:50	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 16:50	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 16:50	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 16:50	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18
Sampled:	04/06/22 15:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum		0.015	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-39-3	Barium		0.0056	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305681	04/14/22 17:24	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305681	04/14/22 17:24	SW-846 6010D
7440-70-2	Calcium		0.11	0.50	1		B305681	04/14/22 17:24	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7439-89-6	Iron		0.019	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7439-92-1	Lead		0.0030	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7439-95-4	Magnesium		0.0095	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7439-96-5	Manganese		0.0017	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-09-7	Potassium		0.30	2.0	1		B305681	04/14/22 17:24	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-23-5	Sodium		0.53	2.0	1		B305681	04/14/22 17:24	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305681	04/14/22 17:24	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305681	04/14/22 17:24	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305681	04/14/22 17:24	SW-846 6010D

1 - FORM I
ANALYSIS DATA SHEET
907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19
Sampled:	04/06/22 15:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7429-90-5	Aluminum		0.015	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7440-36-0	Antimony		0.0089	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7440-38-2	Arsenic		0.0047	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7440-39-3	Barium		0.0056	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7440-41-7	Beryllium		0.0010	0.0040	1		B305691	04/15/22 18:28	SW-846 6010D
7440-43-9	Cadmium		0.00080	0.0040	1		B305691	04/15/22 18:28	SW-846 6010D
7440-70-2	Calcium		0.11	0.50	1		B305691	04/14/22 16:15	SW-846 6010D
7440-47-3	Chromium		0.0025	0.010	1		B305691	04/15/22 18:28	SW-846 6010D
7440-48-4	Cobalt		0.0014	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7440-50-8	Copper		0.0036	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7439-89-6	Iron		0.019	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7439-92-1	Lead	0.0039	0.0030	0.010	1	J	B305691	04/15/22 18:28	SW-846 6010D
7439-95-4	Magnesium		0.0095	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7439-96-5	Manganese		0.0017	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7440-02-0	Nickel		0.0088	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7440-09-7	Potassium		0.30	2.0	1		B305691	04/14/22 16:15	SW-846 6010D
7782-49-2	Selenium		0.011	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7440-22-4	Silver		0.0032	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7440-23-5	Sodium		0.53	2.0	1		B305691	04/14/22 16:15	SW-846 6010D
7440-28-0	Thallium		0.019	0.050	1		B305691	04/14/22 16:15	SW-846 6010D
7440-62-2	Vanadium		0.0031	0.010	1		B305691	04/14/22 16:15	SW-846 6010D
7440-66-6	Zinc		0.0042	0.010	1		B305691	04/15/22 18:28	SW-846 6010D

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
		Sequence:	S070735

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S070735-ICV1	Aluminum	2.00	1.96	97.8	mg/L	+/- 10.00%
	Antimony	2.00	2.02	101	mg/L	+/- 10.00%
	Arsenic	2.00	2.03	102	mg/L	+/- 10.00%
	Barium	2.00	2.09	105	mg/L	+/- 10.00%
	Calcium	2.00	2.06	103	mg/L	+/- 10.00%
	Cobalt	2.00	2.10	105	mg/L	+/- 10.00%
	Copper	2.00	2.05	102	mg/L	+/- 10.00%
	Iron	2.00	2.10	105	mg/L	+/- 10.00%
	Magnesium	2.00	2.02	101	mg/L	+/- 10.00%
	Manganese	2.00	2.06	103	mg/L	+/- 10.00%
	Nickel	2.00	2.10	105	mg/L	+/- 10.00%
	Potassium	2.00	1.96	98.1	mg/L	+/- 10.00%
	Selenium	2.00	2.05	103	mg/L	+/- 10.00%
	Sodium	2.00	2.02	101	mg/L	+/- 10.00%
	Thallium	1.00	1.02	102	mg/L	+/- 10.00%
	Vanadium	2.00	2.05	103	mg/L	+/- 10.00%
S070735-CCV1	Aluminum	10.0	9.80	98.0	mg/L	+/- 10.00%
	Antimony	5.00	4.84	96.8	mg/L	+/- 10.00%
	Arsenic	5.00	4.87	97.4	mg/L	+/- 10.00%
	Barium	5.00	5.04	101	mg/L	+/- 10.00%
	Calcium	10.0	10.1	101	mg/L	+/- 10.00%
	Cobalt	5.00	4.99	99.9	mg/L	+/- 10.00%
	Copper	5.00	4.94	98.9	mg/L	+/- 10.00%
	Iron	5.00	5.05	101	mg/L	+/- 10.00%
	Magnesium	10.0	10.0	100	mg/L	+/- 10.00%
	Manganese	5.00	5.01	100	mg/L	+/- 10.00%
	Nickel	5.00	5.01	100	mg/L	+/- 10.00%
	Potassium	10.0	10.1	101	mg/L	+/- 10.00%
	Selenium	5.00	4.91	98.3	mg/L	+/- 10.00%
	Silver	2.50	2.51	100	mg/L	+/- 10.00%
	Sodium	10.0	9.91	99.1	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
		Sequence:	S070735

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S070735-CCV1	Thallium	2.50	2.47	98.6	mg/L	+/- 10.00%
	Vanadium	5.00	5.02	100	mg/L	+/- 10.00%
S070735-ICV3	Silver	1.00	0.902	90.2	mg/L	+/- 10.00%
S070735-CCV2	Aluminum	10.0	10.1	101	mg/L	+/- 10.00%
	Antimony	5.00	4.94	98.8	mg/L	+/- 10.00%
	Arsenic	5.00	4.94	98.9	mg/L	+/- 10.00%
	Barium	5.00	5.19	104	mg/L	+/- 10.00%
	Calcium	10.0	10.3	103	mg/L	+/- 10.00%
	Cobalt	5.00	5.14	103	mg/L	+/- 10.00%
	Copper	5.00	5.14	103	mg/L	+/- 10.00%
	Iron	5.00	5.01	100	mg/L	+/- 10.00%
	Magnesium	10.0	10.2	102	mg/L	+/- 10.00%
	Manganese	5.00	5.09	102	mg/L	+/- 10.00%
	Nickel	5.00	5.16	103	mg/L	+/- 10.00%
	Potassium	10.0	10.5	105	mg/L	+/- 10.00%
	Selenium	5.00	4.97	99.4	mg/L	+/- 10.00%
	Silver	2.50	2.57	103	mg/L	+/- 10.00%
	Sodium	10.0	10.2	102	mg/L	+/- 10.00%
	Thallium	2.50	2.53	101	mg/L	+/- 10.00%
	Vanadium	5.00	5.18	104	mg/L	+/- 10.00%
S070735-CCV3	Aluminum	10.0	10.0	100	mg/L	+/- 10.00%
	Antimony	5.00	4.89	97.8	mg/L	+/- 10.00%
	Arsenic	5.00	4.90	98.0	mg/L	+/- 10.00%
	Barium	5.00	5.20	104	mg/L	+/- 10.00%
	Calcium	10.0	10.3	103	mg/L	+/- 10.00%
	Cobalt	5.00	5.18	104	mg/L	+/- 10.00%
	Copper	5.00	5.10	102	mg/L	+/- 10.00%
	Iron	5.00	4.97	99.4	mg/L	+/- 10.00%
	Magnesium	10.0	10.2	102	mg/L	+/- 10.00%
	Manganese	5.00	5.04	101	mg/L	+/- 10.00%
	Nickel	5.00	5.18	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
		Sequence:	S070735

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S070735-CCV3	Potassium	10.0	10.5	105	mg/L	+/- 10.00%
	Selenium	5.00	5.00	100	mg/L	+/- 10.00%
	Silver	2.50	2.45	98.2	mg/L	+/- 10.00%
	Sodium	10.0	10.2	102	mg/L	+/- 10.00%
	Thallium	2.50	2.62	105	mg/L	+/- 10.00%
	Vanadium	5.00	5.22	104	mg/L	+/- 10.00%
S070735-CCV4	Aluminum	10.0	9.94	99.4	mg/L	+/- 10.00%
	Antimony	5.00	4.84	96.8	mg/L	+/- 10.00%
	Arsenic	5.00	4.85	96.9	mg/L	+/- 10.00%
	Barium	5.00	5.15	103	mg/L	+/- 10.00%
	Calcium	10.0	10.2	102	mg/L	+/- 10.00%
	Cobalt	5.00	5.11	102	mg/L	+/- 10.00%
	Copper	5.00	5.11	102	mg/L	+/- 10.00%
	Iron	5.00	4.99	99.9	mg/L	+/- 10.00%
	Magnesium	10.0	10.2	102	mg/L	+/- 10.00%
	Manganese	5.00	5.01	100	mg/L	+/- 10.00%
	Nickel	5.00	5.11	102	mg/L	+/- 10.00%
	Potassium	10.0	10.4	104	mg/L	+/- 10.00%
	Selenium	5.00	4.86	97.3	mg/L	+/- 10.00%
	Silver	2.50	2.39	95.4	mg/L	+/- 10.00%
	Sodium	10.0	10.1	101	mg/L	+/- 10.00%
	Thallium	2.50	2.58	103	mg/L	+/- 10.00%
	Vanadium	5.00	5.19	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
		Sequence:	S073156

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073156-ICV1	Aluminum	2.00	2.03	102	mg/L	+/- 10.00%
	Antimony	2.00	2.01	101	mg/L	+/- 10.00%
	Arsenic	2.00	2.00	100	mg/L	+/- 10.00%
	Barium	2.00	2.10	105	mg/L	+/- 10.00%
	Beryllium	2.00	2.07	104	mg/L	+/- 10.00%
	Cadmium	2.00	2.00	99.8	mg/L	+/- 10.00%
	Calcium	2.00	2.12	106	mg/L	+/- 10.00%
	Chromium	2.00	2.10	105	mg/L	+/- 10.00%
	Cobalt	2.00	2.10	105	mg/L	+/- 10.00%
	Copper	2.00	2.10	105	mg/L	+/- 10.00%
	Iron	2.00	2.06	103	mg/L	+/- 10.00%
	Lead	2.00	2.09	105	mg/L	+/- 10.00%
	Magnesium	2.00	2.10	105	mg/L	+/- 10.00%
	Manganese	2.00	2.07	103	mg/L	+/- 10.00%
	Nickel	2.00	2.08	104	mg/L	+/- 10.00%
	Potassium	2.00	2.02	101	mg/L	+/- 10.00%
	Selenium	2.00	2.02	101	mg/L	+/- 10.00%
	Silver	1.00	1.09	109	mg/L	+/- 10.00%
	Sodium	2.00	2.04	102	mg/L	+/- 10.00%
	Thallium	1.00	1.00	100	mg/L	+/- 10.00%
	Vanadium	2.00	2.06	103	mg/L	+/- 10.00%
	Zinc	2.00	2.07	104	mg/L	+/- 10.00%
S073156-ICV2	Lead	1.00	1.07	107	mg/L	+/- 10.00%
S073156-CCV1	Aluminum	10.0	10.0	100	mg/L	+/- 10.00%
	Antimony	5.00	4.95	99.0	mg/L	+/- 10.00%
	Arsenic	5.00	4.91	98.2	mg/L	+/- 10.00%
	Barium	5.00	5.06	101	mg/L	+/- 10.00%
	Beryllium	5.00	5.09	102	mg/L	+/- 10.00%
	Cadmium	5.00	4.89	97.9	mg/L	+/- 10.00%
	Calcium	10.0	10.3	103	mg/L	+/- 10.00%
	Chromium	5.00	5.04	101	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
		Sequence:	S073156

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073156-CCV1	Cobalt	5.00	5.04	101	mg/L	+/- 10.00%
	Copper	5.00	5.06	101	mg/L	+/- 10.00%
	Iron	5.00	5.10	102	mg/L	+/- 10.00%
	Lead	5.00	5.05	101	mg/L	+/- 10.00%
	Magnesium	10.0	10.4	104	mg/L	+/- 10.00%
	Manganese	5.00	5.07	101	mg/L	+/- 10.00%
	Nickel	5.00	5.05	101	mg/L	+/- 10.00%
	Potassium	10.0	10.2	102	mg/L	+/- 10.00%
	Selenium	5.00	4.92	98.4	mg/L	+/- 10.00%
	Silver	2.50	2.45	98.0	mg/L	+/- 10.00%
	Sodium	10.0	10.3	103	mg/L	+/- 10.00%
	Thallium	2.50	2.41	96.6	mg/L	+/- 10.00%
	Vanadium	5.00	5.02	100	mg/L	+/- 10.00%
	Zinc	5.00	5.07	101	mg/L	+/- 10.00%
S073156-CCV2	Aluminum	10.0	10.3	103	mg/L	+/- 10.00%
	Antimony	5.00	5.00	100	mg/L	+/- 10.00%
	Arsenic	5.00	4.93	98.5	mg/L	+/- 10.00%
	Barium	5.00	5.11	102	mg/L	+/- 10.00%
	Beryllium	5.00	5.05	101	mg/L	+/- 10.00%
	Cadmium	5.00	4.92	98.4	mg/L	+/- 10.00%
	Calcium	10.0	10.4	104	mg/L	+/- 10.00%
	Chromium	5.00	5.10	102	mg/L	+/- 10.00%
	Cobalt	5.00	5.06	101	mg/L	+/- 10.00%
	Copper	5.00	5.13	103	mg/L	+/- 10.00%
	Iron	5.00	5.13	103	mg/L	+/- 10.00%
	Lead	5.00	5.05	101	mg/L	+/- 10.00%
	Magnesium	10.0	10.6	106	mg/L	+/- 10.00%
	Manganese	5.00	5.11	102	mg/L	+/- 10.00%
	Nickel	5.00	5.07	101	mg/L	+/- 10.00%
	Potassium	10.0	10.5	105	mg/L	+/- 10.00%
	Selenium	5.00	4.89	97.9	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
		Sequence:	S073156

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073156-CCV2	Silver	2.50	2.29	91.5	mg/L	+/- 10.00%
	Sodium	10.0	10.5	105	mg/L	+/- 10.00%
	Thallium	2.50	2.44	97.6	mg/L	+/- 10.00%
	Vanadium	5.00	5.08	102	mg/L	+/- 10.00%
	Zinc	5.00	5.05	101	mg/L	+/- 10.00%
S073156-CCV3	Aluminum	10.0	10.1	101	mg/L	+/- 10.00%
	Antimony	5.00	4.95	98.9	mg/L	+/- 10.00%
	Arsenic	5.00	4.93	98.6	mg/L	+/- 10.00%
	Barium	5.00	5.13	103	mg/L	+/- 10.00%
	Beryllium	5.00	5.15	103	mg/L	+/- 10.00%
	Cadmium	5.00	4.88	97.6	mg/L	+/- 10.00%
	Calcium	10.0	10.2	102	mg/L	+/- 10.00%
	Chromium	5.00	5.11	102	mg/L	+/- 10.00%
	Cobalt	5.00	5.07	101	mg/L	+/- 10.00%
	Copper	5.00	5.15	103	mg/L	+/- 10.00%
	Iron	5.00	5.06	101	mg/L	+/- 10.00%
	Lead	5.00	5.05	101	mg/L	+/- 10.00%
	Magnesium	10.0	10.4	104	mg/L	+/- 10.00%
	Manganese	5.00	5.18	104	mg/L	+/- 10.00%
	Nickel	5.00	5.06	101	mg/L	+/- 10.00%
	Potassium	10.0	10.3	103	mg/L	+/- 10.00%
	Selenium	5.00	4.87	97.4	mg/L	+/- 10.00%
	Silver	2.50	2.53	101	mg/L	+/- 10.00%
	Sodium	10.0	10.3	103	mg/L	+/- 10.00%
	Thallium	2.50	2.43	97.1	mg/L	+/- 10.00%
	Vanadium	5.00	5.10	102	mg/L	+/- 10.00%
	Zinc	5.00	5.03	101	mg/L	+/- 10.00%
S073156-CCV4	Aluminum	10.0	10.1	101	mg/L	+/- 10.00%
	Antimony	5.00	4.97	99.5	mg/L	+/- 10.00%
	Arsenic	5.00	4.98	99.5	mg/L	+/- 10.00%
	Barium	5.00	5.18	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
		Sequence:	S073156

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073156-CCV4	Beryllium	5.00	5.14	103	mg/L	+/- 10.00%
	Cadmium	5.00	4.96	99.1	mg/L	+/- 10.00%
	Calcium	10.0	10.2	102	mg/L	+/- 10.00%
	Chromium	5.00	5.17	103	mg/L	+/- 10.00%
	Cobalt	5.00	5.13	103	mg/L	+/- 10.00%
	Copper	5.00	5.21	104	mg/L	+/- 10.00%
	Iron	5.00	5.14	103	mg/L	+/- 10.00%
	Lead	5.00	5.12	102	mg/L	+/- 10.00%
	Magnesium	10.0	10.4	104	mg/L	+/- 10.00%
	Manganese	5.00	5.18	104	mg/L	+/- 10.00%
	Nickel	5.00	5.14	103	mg/L	+/- 10.00%
	Potassium	10.0	10.3	103	mg/L	+/- 10.00%
	Selenium	5.00	4.93	98.6	mg/L	+/- 10.00%
	Silver	2.50	2.51	100	mg/L	+/- 10.00%
	Sodium	10.0	10.4	104	mg/L	+/- 10.00%
	Thallium	2.50	2.47	98.6	mg/L	+/- 10.00%
	Vanadium	5.00	5.16	103	mg/L	+/- 10.00%
	Zinc	5.00	5.12	102	mg/L	+/- 10.00%
S073156-CCV5	Aluminum	10.0	10.1	101	mg/L	+/- 10.00%
	Antimony	5.00	4.98	99.6	mg/L	+/- 10.00%
	Arsenic	5.00	4.92	98.5	mg/L	+/- 10.00%
	Barium	5.00	5.11	102	mg/L	+/- 10.00%
	Beryllium	5.00	5.01	100	mg/L	+/- 10.00%
	Cadmium	5.00	4.87	97.4	mg/L	+/- 10.00%
	Calcium	10.0	10.2	102	mg/L	+/- 10.00%
	Chromium	5.00	5.10	102	mg/L	+/- 10.00%
	Cobalt	5.00	5.05	101	mg/L	+/- 10.00%
	Copper	5.00	5.15	103	mg/L	+/- 10.00%
	Iron	5.00	5.14	103	mg/L	+/- 10.00%
	Lead	5.00	5.04	101	mg/L	+/- 10.00%
	Magnesium	10.0	10.4	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
		Sequence:	S073156

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073156-CCV5	Manganese	5.00	5.09	102	mg/L	+/- 10.00%
	Nickel	5.00	5.06	101	mg/L	+/- 10.00%
	Potassium	10.0	10.3	103	mg/L	+/- 10.00%
	Selenium	5.00	4.92	98.4	mg/L	+/- 10.00%
	Silver	2.50	2.64	105	mg/L	+/- 10.00%
	Sodium	10.0	10.4	104	mg/L	+/- 10.00%
	Thallium	2.50	2.43	97.4	mg/L	+/- 10.00%
	Vanadium	5.00	5.09	102	mg/L	+/- 10.00%
	Zinc	5.00	5.02	100	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
		Sequence:	S073158

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073158-ICV1	Aluminum	2.00	1.94	97.0	mg/L	+/- 10.00%
	Calcium	2.00	2.06	103	mg/L	+/- 10.00%
	Iron	2.00	2.02	101	mg/L	+/- 10.00%
	Magnesium	2.00	2.00	100	mg/L	+/- 10.00%
S073158-CCV1	Aluminum	10.0	9.50	95.0	mg/L	+/- 10.00%
	Calcium	10.0	9.97	99.7	mg/L	+/- 10.00%
	Iron	5.00	4.97	99.3	mg/L	+/- 10.00%
	Magnesium	10.0	9.95	99.5	mg/L	+/- 10.00%
S073158-CCV2	Aluminum	10.0	9.30	93.0	mg/L	+/- 10.00%
	Calcium	10.0	9.85	98.5	mg/L	+/- 10.00%
	Iron	5.00	4.82	96.3	mg/L	+/- 10.00%
	Magnesium	10.0	9.94	99.4	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP4	Calibration:	UNASSIGNED
		Sequence:	S073160

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073160-ICV1	Magnesium	2.00	2.01	100	mg/L	+/- 10.00%
S073160-CCV1	Magnesium	10.0	9.87	98.7	mg/L	+/- 10.00%
S073160-CCV2	Magnesium	10.0	9.91	99.1	mg/L	+/- 10.00%
S073160-CCV3	Magnesium	10.0	10.1	101	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
		Sequence:	S073161

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073161-ICV1	Beryllium	2.00	1.98	99.0	mg/L	+/- 10.00%
	Cadmium	2.00	2.01	100	mg/L	+/- 10.00%
	Chromium	2.00	2.02	101	mg/L	+/- 10.00%
	Lead	2.00	2.08	104	mg/L	+/- 10.00%
	Zinc	2.00	2.05	102	mg/L	+/- 10.00%
S073161-ICV2	Lead	1.00	1.09	109	mg/L	+/- 10.00%
S073161-CCV1	Beryllium	5.00	4.79	95.7	mg/L	+/- 10.00%
	Cadmium	5.00	5.16	103	mg/L	+/- 10.00%
	Chromium	5.00	5.10	102	mg/L	+/- 10.00%
	Lead	5.00	5.13	103	mg/L	+/- 10.00%
	Zinc	5.00	5.22	104	mg/L	+/- 10.00%
S073161-CCV2	Beryllium	5.00	4.72	94.5	mg/L	+/- 10.00%
	Cadmium	5.00	5.20	104	mg/L	+/- 10.00%
	Chromium	5.00	5.11	102	mg/L	+/- 10.00%
	Lead	5.00	5.07	101	mg/L	+/- 10.00%
	Zinc	5.00	5.27	105	mg/L	+/- 10.00%
S073161-CCV3	Beryllium	5.00	4.61	92.2	mg/L	+/- 10.00%
	Cadmium	5.00	5.11	102	mg/L	+/- 10.00%
	Chromium	5.00	5.05	101	mg/L	+/- 10.00%
	Lead	5.00	5.08	102	mg/L	+/- 10.00%
	Zinc	5.00	5.24	105	mg/L	+/- 10.00%
S073161-CCV4	Beryllium	5.00	4.86	97.1	mg/L	+/- 10.00%
	Cadmium	5.00	5.10	102	mg/L	+/- 10.00%
	Chromium	5.00	5.08	102	mg/L	+/- 10.00%
	Lead	5.00	5.16	103	mg/L	+/- 10.00%
	Zinc	5.00	5.17	103	mg/L	+/- 10.00%

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D0540
Client: NYDEC_EA Engineering, Science & Tech. - NY
Project: Carroll Landfill - CO SMPC0001
Calibration: UNASSIGNED
Laboratory ID: S070735-LCV1
Sequence: S070735
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0531	6.3	30.00
Antimony	0.0500	0.0441	-11.9	30.00
Barium	0.0500	0.0537	7.4	30.00
Calcium	0.500	0.531	6.1	30.00
Cobalt	0.0100	0.0106	5.8	30.00
Copper	0.0100	0.0112	12.0	30.00
Iron	0.0500	0.0568	13.6	30.00
Magnesium	0.0500	0.0555	11.0	30.00
Manganese	0.0100	0.0100	0.4	30.00
Nickel	0.0100	0.0106	5.7	30.00
Potassium	2.00	2.06	2.9	30.00
Selenium	0.0500	0.0515	3.0	30.00
Silver	0.0100	0.0105	4.8	30.00
Sodium	2.00	2.04	2.1	30.00
Thallium	0.0500	0.0523	4.6	30.00
Vanadium	0.0100	0.00941	-5.9	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D0540
Client: NYDEC_EA Engineering, Science & Tech. - NY
Project: Carroll Landfill - CO SMPC0001
Calibration: UNASSIGNED
Laboratory ID: S070735-LCV2
Sequence: S070735
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Arsenic	0.0100	0.0117	17.2	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D0540
Client: NYDEC_EA Engineering, Science & Tech. - NY
Project: Carroll Landfill - CO SMPC0001
Calibration: UNASSIGNED
Laboratory ID: S073156-LCV1
Sequence: S073156
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0503	0.6	30.00
Antimony	0.0500	0.0522	4.4	30.00
Arsenic	0.0100	0.00979	-2.1	30.00
Barium	0.0500	0.0540	8.0	30.00
Beryllium	0.00400	0.00439	9.7	30.00
Cadmium	0.00400	0.00439	9.6	30.00
Calcium	0.500	0.537	7.4	30.00
Chromium	0.0100	0.0107	7.3	30.00
Cobalt	0.0100	0.0107	6.9	30.00
Copper	0.0100	0.0112	11.6	30.00
Iron	0.0500	0.0524	4.8	30.00
Lead	0.0100	0.0111	10.6	30.00
Magnesium	0.0500	0.0554	10.8	30.00
Manganese	0.0100	0.0107	7.1	30.00
Nickel	0.0100	0.0104	3.8	30.00
Potassium	2.00	2.01	0.7	30.00
Selenium	0.0500	0.0514	2.8	30.00
Silver	0.0100	0.0111	10.8	30.00
Sodium	2.00	2.06	3.0	30.00
Thallium	0.0500	0.0433	-13.4	30.00
Vanadium	0.0100	0.0105	5.2	30.00
Zinc	0.0100	0.0102	2.3	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D0540
Client: NYDEC_EA Engineering, Science & Tech. - NY
Project: Carroll Landfill - CO SMPC0001
Calibration: UNASSIGNED
Laboratory ID: S073158-LCV1
Sequence: S073158
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0458	-8.3	30.00
Calcium	0.500	0.528	5.6	30.00
Iron	0.0500	0.0587	17.4	30.00
Magnesium	0.0500	0.0529	5.8	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D0540
Client: NYDEC_EA Engineering, Science & Tech. - NY
Project: Carroll Landfill - CO SMPC0001
Calibration: UNASSIGNED
Laboratory ID: S073160-LCV1
Sequence: S073160
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Magnesium	0.0500	0.0564	12.9	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 22D0540
Client: NYDEC_EA Engineering, Science & Tech. - NY
Project: Carroll Landfill - CO SMPC0001
Calibration: UNASSIGNED
Laboratory ID: S073161-LCV1
Sequence: S073161
Standard ID: 2202321

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Beryllium	0.00400	0.00447	11.8	30.00
Cadmium	0.00400	0.00422	5.5	30.00
Chromium	0.0100	0.0110	9.7	30.00
Lead	0.0100	0.00994	-0.6	30.00
Zinc	0.0100	0.0112	11.7	30.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S070735		

Lab Sample ID	Analyte	Found	Units	RL	C
S070735-ICB1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
S070735-CCB1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S070735		

Lab Sample ID	Analyte	Found	Units	RL	C
S070735-CCB1	Vanadium		mg/L	0.010	U
B305691-BLK1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic	0.0048	mg/L	0.010	J
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
S070735-CCB2	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S070735		

Lab Sample ID	Analyte	Found	Units	RL	C
S070735-CCB2	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
S070735-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
B305691-BLK1	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Chromium		mg/L	0.010	U
	Lead		mg/L	0.010	U
	Zinc		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	Found	Units	RL	C
S073156-ICB1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
B305681-BLK1	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Lead		mg/L	0.010	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	Found	Units	RL	C
B305681-BLK1	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073156-CCB1	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073156-CCB2	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	Found	Units	RL	C
S073156-CCB2	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073156-CCB3	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	Found	Units	RL	C
S073156-CCB3	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073156-CCB4	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Silver		mg/L	0.010	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U
	Vanadium		mg/L	0.010	U
	Zinc		mg/L	0.010	U
B305681-BLK1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S073158		

Lab Sample ID	Analyte	Found	Units	RL	C
S073158-ICB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U
S073158-CCB1	Aluminum		mg/L	0.050	U
	Calcium		mg/L	0.50	U
	Iron		mg/L	0.050	U
	Magnesium		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S073160		

Lab Sample ID	Analyte	Found	Units	RL	C
S073160-ICB1	Magnesium		mg/L	0.050	U
S073160-CCB1	Magnesium		mg/L	0.050	U
S073160-CCB2	Magnesium		mg/L	0.050	U

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S073161		

Lab Sample ID	Analyte	Found	Units	RL	C
S073161-ICB1	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Chromium		mg/L	0.010	U
	Lead		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073161-CCB1	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Chromium		mg/L	0.010	U
	Lead		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073161-CCB2	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Chromium		mg/L	0.010	U
	Lead		mg/L	0.010	U
	Zinc		mg/L	0.010	U
S073161-CCB3	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Chromium		mg/L	0.010	U
	Lead		mg/L	0.010	U
	Zinc		mg/L	0.010	U

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S070735		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S070735-IFA1	Aluminum	0.050	250	254.79	102	mg/L
	Antimony	0.050		0.03		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050		0.00		mg/L
	Calcium	0.50	250	248.44	99.4	mg/L
	Cobalt	0.010		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	95.24	95.2	mg/L
	Magnesium	0.050	250	233.67	93.5	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		0.00		mg/L
	Potassium	2.0		-0.02		mg/L
	Selenium	0.050		-0.01		mg/L
	Silver	0.010		0.01		mg/L
	Sodium	2.0		0.11		mg/L
	Thallium	0.050		-0.01		mg/L
	Vanadium	0.010		-0.01		mg/L
S070735-IFB1	Aluminum	0.050	250	256.91	103	mg/L
	Antimony	0.050		0.02		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050	0.500	0.50	100	mg/L
	Calcium	0.50	250	252.28	101	mg/L
	Cobalt	0.010	0.500	0.46	91.7	mg/L
	Copper	0.010	0.500	0.52	104	mg/L
	Iron	0.050	100	96.57	96.6	mg/L
	Magnesium	0.050	250	236.71	94.7	mg/L
	Manganese	0.010	0.500	0.49	98.8	mg/L
	Nickel	0.010	1.00	0.90	90.3	mg/L
	Potassium	2.0		-0.03		mg/L
	Selenium	0.050		-0.01		mg/L
	Silver	0.010	1.00	1.07	107	mg/L
	Sodium	2.0		0.12		mg/L
	Thallium	0.050		-0.01		mg/L
	Vanadium	0.010	0.500	0.49	98.7	mg/L
S070735-IFA2	Aluminum	0.050	250	252.44	101	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S070735		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S070735-IFA2	Antimony	0.050		0.04		mg/L
	Arsenic	0.010		0.02		mg/L
	Barium	0.050		0.02		mg/L
	Calcium	0.50	250	249.31	99.7	mg/L
	Cobalt	0.010		0.02		mg/L
	Copper	0.010		0.01		mg/L
	Iron	0.050	100	91.91	91.9	mg/L
	Magnesium	0.050	250	238.68	95.5	mg/L
	Nickel	0.010		0.02		mg/L
	Potassium	2.0		0.07		mg/L
	Selenium	0.050		0.00		mg/L
	Silver	0.010		0.01		mg/L
	Sodium	2.0		-0.02		mg/L
	Thallium	0.050		-0.01		mg/L
	Vanadium	0.010		0.01		mg/L
S070735-IFB2	Aluminum	0.050	250	246.74	98.7	mg/L
	Antimony	0.050		0.02		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050	0.500	0.48	96.4	mg/L
	Calcium	0.50	250	243.28	97.3	mg/L
	Cobalt	0.010	0.500	0.44	88.3	mg/L
	Copper	0.010	0.500	0.50	101	mg/L
	Iron	0.050	100	90.41	90.4	mg/L
	Magnesium	0.050	250	233.59	93.4	mg/L
	Manganese	0.010	0.500	0.46	92.7	mg/L
	Nickel	0.010	1.00	0.87	87.3	mg/L
	Potassium	2.0		0.04		mg/L
	Selenium	0.050		-0.02		mg/L
	Silver	0.010	1.00	0.87	86.8	mg/L
	Sodium	2.0		-0.06		mg/L
	Thallium	0.050		-0.01		mg/L
	Vanadium	0.010	0.500	0.48	96.3	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S073156-IFA1	Aluminum	0.050	250	252.69	101	mg/L
	Antimony	0.050		-0.01		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0040		0.00		mg/L
	Cadmium	0.0040		0.00		mg/L
	Calcium	0.50	250	252.04	101	mg/L
	Chromium	0.010		0.00		mg/L
	Cobalt	0.010		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	98.62	98.6	mg/L
	Lead	0.010		0.01		mg/L
	Magnesium	0.050	250	222.45	89.0	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		0.00		mg/L
	Potassium	2.0		0.11		mg/L
	Selenium	0.050		-0.01		mg/L
	Silver	0.010		0.00		mg/L
	Sodium	2.0		0.06		mg/L
	Thallium	0.050		0.01		mg/L
	Vanadium	0.010		0.00		mg/L
	Zinc	0.010		0.00		mg/L
S073156-IFB1	Aluminum	0.050	250	235.91	94.4	mg/L
	Antimony	0.050		-0.01		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050	0.500	0.49	98.5	mg/L
	Beryllium	0.0040	0.500	0.49	98.6	mg/L
	Cadmium	0.0040	1.00	0.95	95.3	mg/L
	Calcium	0.50	250	236.52	94.6	mg/L
	Chromium	0.010	0.500	0.47	94.6	mg/L
	Cobalt	0.010	0.500	0.45	89.8	mg/L
	Copper	0.010	0.500	0.49	98.4	mg/L
	Iron	0.050	100	92.45	92.4	mg/L
	Lead	0.010	1.00	0.93	93.5	mg/L
	Magnesium	0.050	250	209.66	83.9	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S073156-IFB1	Manganese	0.010	0.500	0.48	95.6	mg/L
	Nickel	0.010	1.00	0.89	89.2	mg/L
	Potassium	2.0		-0.01		mg/L
	Selenium	0.050		-0.01		mg/L
	Silver	0.010	1.00	1.02	102	mg/L
	Sodium	2.0		0.02		mg/L
	Thallium	0.050		0.01		mg/L
	Vanadium	0.010	0.500	0.48	96.6	mg/L
	Zinc	0.010	1.00	0.94	93.9	mg/L
S073156-IFA2	Aluminum	0.050	250	250.27	100	mg/L
	Antimony	0.050		-0.01		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050		0.01		mg/L
	Beryllium	0.0040		0.00		mg/L
	Cadmium	0.0040		0.00		mg/L
	Calcium	0.50	250	244.72	97.9	mg/L
	Chromium	0.010		0.00		mg/L
	Cobalt	0.010		0.00		mg/L
	Copper	0.010		0.00		mg/L
	Iron	0.050	100	99.55	99.6	mg/L
	Lead	0.010		0.00		mg/L
	Magnesium	0.050	250	220.40	88.2	mg/L
	Manganese	0.010		0.00		mg/L
	Nickel	0.010		0.00		mg/L
	Potassium	2.0		0.16		mg/L
	Selenium	0.050		-0.01		mg/L
	Silver	0.010		0.00		mg/L
	Sodium	2.0		0.62		mg/L
	Thallium	0.050		0.01		mg/L
	Vanadium	0.010		0.00		mg/L
	Zinc	0.010		0.00		mg/L
S073156-IFB2	Aluminum	0.050	250	246.46	98.6	mg/L
	Antimony	0.050		-0.01		mg/L
	Arsenic	0.010		0.00		mg/L
	Barium	0.050	0.500	0.51	102	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S073156		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S073156-IFB2	Beryllium	0.0040	0.500	0.50	99.1	mg/L
	Cadmium	0.0040	1.00	0.98	98.5	mg/L
	Calcium	0.50	250	240.54	96.2	mg/L
	Chromium	0.010	0.500	0.49	97.9	mg/L
	Cobalt	0.010	0.500	0.46	92.1	mg/L
	Copper	0.010	0.500	0.52	103	mg/L
	Iron	0.050	100	97.72	97.7	mg/L
	Lead	0.010	1.00	0.96	95.6	mg/L
	Magnesium	0.050	250	217.91	87.2	mg/L
	Manganese	0.010	0.500	0.49	97.1	mg/L
	Nickel	0.010	1.00	0.92	91.6	mg/L
	Potassium	2.0		0.02		mg/L
	Selenium	0.050		-0.01		mg/L
	Silver	0.010	1.00	0.98	98.3	mg/L
	Sodium	2.0		0.17		mg/L
	Thallium	0.050		0.01		mg/L
	Vanadium	0.010	0.500	0.50	99.9	mg/L
	Zinc	0.010	1.00	0.96	95.5	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S073158		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S073158-IFA1	Aluminum	0.050	250	246.68	98.7	mg/L
	Calcium	0.50	250	245.28	98.1	mg/L
	Iron	0.050	100	93.65	93.7	mg/L
	Magnesium	0.050	250	230.38	92.2	mg/L
S073158-IFB1	Aluminum	0.050	250	245.43	98.2	mg/L
	Calcium	0.50	250	244.17	97.7	mg/L
	Iron	0.050	100	94.63	94.6	mg/L
	Magnesium	0.050	250	229.33	91.7	mg/L
S073158-IFA2	Aluminum	0.050	250	230.52	92.2	mg/L
	Calcium	0.50	250	234.67	93.9	mg/L
	Iron	0.050	100	91.57	91.6	mg/L
	Magnesium	0.050	250	223.72	89.5	mg/L
S073158-IFB2	Aluminum	0.050	250	238.94	95.6	mg/L
	Calcium	0.50	250	242.82	97.1	mg/L
	Iron	0.050	100	93.26	93.3	mg/L
	Magnesium	0.050	250	231.66	92.7	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP4	Calibration:	UNASSIGNED
Sequence:	S073160		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S073160-IFA1	Magnesium	0.050	250	229.12	91.6	mg/L
S073160-IFB1	Magnesium	0.050	250	235.14	94.1	mg/L
S073160-IFA2	Magnesium	0.050	250	229.56	91.8	mg/L
S073160-IFB2	Magnesium	0.050	250	232.28	92.9	mg/L

INTERFERENCE CHECK SAMPLE

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. -	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	ICP3	Calibration:	UNASSIGNED
Sequence:	S073161		

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S073161-IFA1	Beryllium	0.0040		0.00		mg/L
	Cadmium	0.0040		0.00		mg/L
	Chromium	0.010		0.00		mg/L
	Lead	0.010		0.01		mg/L
	Zinc	0.010		0.02		mg/L
S073161-IFB1	Beryllium	0.0040	0.500	0.49	98.1	mg/L
	Cadmium	0.0040	1.00	1.04	104	mg/L
	Chromium	0.010	0.500	0.48	97.0	mg/L
	Lead	0.010	1.00	0.97	96.6	mg/L
	Zinc	0.010	1.00	0.98	97.5	mg/L
S073161-IFA2	Beryllium	0.0040		0.00		mg/L
	Cadmium	0.0040		0.00		mg/L
	Chromium	0.010		0.00		mg/L
	Lead	0.010		0.01		mg/L
	Zinc	0.010		0.02		mg/L
S073161-IFB2	Beryllium	0.0040	0.500	0.50	100	mg/L
	Cadmium	0.0040	1.00	1.05	105	mg/L
	Chromium	0.010	0.500	0.49	98.2	mg/L
	Lead	0.010	1.00	0.97	97.3	mg/L
	Zinc	0.010	1.00	0.99	98.8	mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 6010D
Batch:	B305681	Preparation:	SW-846 3005A
% Solids:		Laboratory ID:	B305681-MS1
Column:		Sample Lab ID:	22D0541-15

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.		QC LIMITS REC.
Aluminum	0.500	0.243	0.598 MS-07A	71.0	N	75 - 125
Antimony	0.500	ND	0.494	98.8		75 - 125
Arsenic	0.500	ND	0.469	93.9		75 - 125
Barium	0.500	0.125	0.635	102		75 - 125
Beryllium	0.500	ND	0.503	101		75 - 125
Cadmium	0.500	ND	0.486	97.2		75 - 125
Calcium	4.00	63.1	68.7 MS-19	141		75 - 125
Chromium	0.500	ND	0.503	101		75 - 125
Cobalt	0.500	ND	0.488	97.5		75 - 125
Copper	1.00	ND	0.990	99.0		75 - 125
Iron	4.00	0.652	4.41	94.0		75 - 125
Lead	0.500	ND	0.487	97.4		75 - 125
Magnesium	4.00	12.9	17.3	108		75 - 125
Manganese	0.500	0.134	0.641	102		75 - 125
Nickel	0.500	ND	0.489	97.8		75 - 125
Potassium	4.00	1.00	4.96	98.9		75 - 125
Selenium	0.500	ND	0.482	96.4		75 - 125
Silver	0.500	ND	0.539	108		75 - 125
Sodium	4.00	3.84	7.94	102		75 - 125
Thallium	0.500	ND	0.504	101		75 - 125
Vanadium	0.500	ND	0.501	100		75 - 125
Zinc	1.00	0.00562	0.982	97.6		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 6010D
Batch:	B305681	Preparation:	SW-846 3005A
% Solids:		Laboratory ID:	B305681-MSD1
Column:		Sample Lab ID:	22D0541-15

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Aluminum	0.500	0.616 MS-07A	74.7	N	3.02	N	20	75 - 125
Antimony	0.500	0.492	98.4		0.457		20	75 - 125
Arsenic	0.500	0.469	93.8		0.0965		20	75 - 125
Barium	0.500	0.640	103		0.844		20	75 - 125
Beryllium	0.500	0.505	101		0.293		20	75 - 125
Cadmium	0.500	0.489	97.9		0.725		20	75 - 125
Calcium	4.00	69.6 MS-19	163		1.27		20	75 - 125
Chromium	0.500	0.507	101		0.851		20	75 - 125
Cobalt	0.500	0.491	98.1		0.621		20	75 - 125
Copper	1.00	1.00	100		1.01		20	75 - 125
Iron	4.00	4.47	95.4		1.20		20	75 - 125
Lead	0.500	0.487	97.5		0.0624		20	75 - 125
Magnesium	4.00	17.3	110		0.316		20	75 - 125
Manganese	0.500	0.644	102		0.494		20	75 - 125
Nickel	0.500	0.489	97.7		0.0349		20	75 - 125
Potassium	4.00	4.98	99.5		0.458		20	75 - 125
Selenium	0.500	0.481	96.3		0.0962		20	75 - 125
Silver	0.500	0.539	108		0.0591		20	75 - 125
Sodium	4.00	8.06	105		1.50		20	75 - 125
Thallium	0.500	0.501	100		0.536		20	75 - 125
Vanadium	0.500	0.505	101		0.860		20	75 - 125
Zinc	1.00	0.997	99.1		1.53		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 6010D
Batch:	B305691	Preparation:	SW-846 3005A
% Solids:		Laboratory ID:	B305691-MS1
Column:		Sample Lab ID:	22D0541-19

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Aluminum	0.500	ND	0.499	99.9	75 - 125
Antimony	0.500	ND	0.483	96.6	75 - 125
Arsenic	0.500	ND	0.459	91.9	75 - 125
Barium	0.500	ND	0.507	101	75 - 125
Beryllium	0.500	ND	0.473	94.7	75 - 125
Cadmium	0.500	ND	0.505	101	75 - 125
Calcium	4.00	ND	4.08	102	75 - 125
Chromium	0.500	ND	0.500	99.9	75 - 125
Cobalt	0.500	ND	0.514	103	75 - 125
Copper	1.00	ND	0.971	97.1	75 - 125
Iron	4.00	ND	3.91	97.8	75 - 125
Lead	0.500	0.00388	0.511	101	75 - 125
Magnesium	4.00	ND	4.01	100	75 - 125
Manganese	0.500	ND	0.490	98.1	75 - 125
Nickel	0.500	ND	0.519	104	75 - 125
Potassium	4.00	ND	4.08	102	75 - 125
Selenium	0.500	ND	0.491	98.1	75 - 125
Silver	0.500	ND	0.529	106	75 - 125
Sodium	4.00	ND	3.95	98.7	75 - 125
Thallium	0.500	ND	0.521	104	75 - 125
Vanadium	0.500	ND	0.508	102	75 - 125
Zinc	1.00	ND	1.03	103	75 - 125

DUPLICATES

Laboratory:

Work Order:

Client:

Project:

Matrix:

Laboratory ID:

Batch:

Initial/Final:

Preparation:

Analysis:

% Solids:

ANALYTE	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q	CONTROL LIMIT

DUPLICATES

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Laboratory ID:	B305691-DUP1
Batch:	B305691	Initial/Final:	50 mL / 50 mL
Preparation:	SW-846 3005A	Analysis:	SW-846 6010D
% Solids:			

ANALYTE	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	CONTROL LIMIT
Aluminum	ND	ND			20
Antimony	ND	ND			20
Arsenic	ND	ND			20
Barium	ND	ND			20
Beryllium	ND	ND			20
Cadmium	ND	ND			20
Calcium	ND	ND			20
Chromium	ND	ND			20
Cobalt	ND	ND			20
Copper	ND	ND			20
Iron	ND	ND			20
Lead	0.00388	ND			20
Magnesium	ND	ND			20
Manganese	ND	ND			20
Nickel	ND	ND			20
Potassium	ND	ND			20
Selenium	ND	ND			20
Silver	ND	0.00400 J			20
Sodium	ND	ND			20
Thallium	ND	ND			20
Vanadium	ND	ND			20
Zinc	ND	ND			20

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B305681	Laboratory ID:	B305681-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Aluminum	0.500	0.490	98.0	80 - 120
Antimony	0.500	0.473	94.6	80 - 120
Arsenic	0.500	0.445	89.1	80 - 120
Barium	0.500	0.488	97.6	80 - 120
Beryllium	0.500	0.480	96.0	80 - 120
Cadmium	0.500	0.464	92.9	80 - 120
Calcium	4.00	4.19	105	80 - 120
Chromium	0.500	0.480	96.0	80 - 120
Cobalt	0.500	0.479	95.8	80 - 120
Copper	1.00	0.944	94.4	80 - 120
Iron	4.00	3.86	96.4	80 - 120
Lead	0.500	0.479	95.9	80 - 120
Magnesium	4.00	3.96	99.0	80 - 120
Manganese	0.500	0.486	97.2	80 - 120
Nickel	0.500	0.485	97.0	80 - 120
Potassium	4.00	3.72	92.9	80 - 120
Selenium	0.500	0.472	94.4	80 - 120
Silver	0.500	0.513	103	80 - 120
Sodium	4.00	3.78	94.6	80 - 120
Thallium	0.500	0.474	94.8	80 - 120
Vanadium	0.500	0.475	94.9	80 - 120
Zinc	1.00	0.952	95.2	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	0.500	0.501	100	2.22	20	80 - 120
Antimony	0.500	0.456	91.3	3.59	20	80 - 120
Arsenic	0.500	0.432	86.5	2.94	20	80 - 120
Barium	0.500	0.472	94.5	3.30	20	80 - 120
Beryllium	0.500	0.462	92.5	3.71	20	80 - 120
Cadmium	0.500	0.448	89.7	3.50	20	80 - 120
Calcium	4.00	3.86	96.6	8.08	20	80 - 120
Chromium	0.500	0.464	92.8	3.46	20	80 - 120
Cobalt	0.500	0.463	92.6	3.35	20	80 - 120
Copper	1.00	0.917	91.7	2.99	20	80 - 120
Iron	4.00	3.72	93.0	3.63	20	80 - 120

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B305681	Laboratory ID:	B305681-BSD1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	0.500	0.464	92.8	3.26	20	80 - 120
Magnesium	4.00	3.85	96.2	2.86	20	80 - 120
Manganese	0.500	0.470	94.0	3.39	20	80 - 120
Nickel	0.500	0.469	93.7	3.46	30	80 - 120
Potassium	4.00	3.61	90.1	3.06	20	80 - 120
Selenium	0.500	0.452	90.3	4.45	20	80 - 120
Silver	0.500	0.500	99.9	2.70	20	80 - 120
Sodium	4.00	3.67	91.8	2.97	20	80 - 120
Thallium	0.500	0.446	89.2	6.03	20	80 - 120
Vanadium	0.500	0.460	91.9	3.21	20	80 - 120
Zinc	1.00	0.918	91.8	3.59	20	80 - 120

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B305691	Laboratory ID:	B305691-BS1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Aluminum	0.500	0.505	101	80 - 120
Antimony	0.500	0.480	96.1	80 - 120
Arsenic	0.500	0.452	90.5	80 - 120
Barium	0.500	0.513	103	80 - 120
Beryllium	0.500	0.470	94.0	80 - 120
Cadmium	0.500	0.504	101	80 - 120
Calcium	4.00	4.07	102	80 - 120
Chromium	0.500	0.493	98.6	80 - 120
Cobalt	0.500	0.511	102	80 - 120
Copper	1.00	0.977	97.7	80 - 120
Iron	4.00	3.96	99.0	80 - 120
Lead	0.500	0.511	102	80 - 120
Magnesium	4.00	4.01	100	80 - 120
Manganese	0.500	0.494	98.8	80 - 120
Nickel	0.500	0.516	103	80 - 120
Potassium	4.00	4.10	103	80 - 120
Selenium	0.500	0.496	99.2	80 - 120
Silver	0.500	0.523	105	80 - 120
Sodium	4.00	3.96	99.0	80 - 120
Thallium	0.500	0.519	104	80 - 120
Vanadium	0.500	0.513	103	80 - 120
Zinc	1.00	1.02	102	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aluminum	0.500	0.491	98.1	2.85	20	80 - 120
Antimony	0.500	0.483	96.6	0.491	20	80 - 120
Arsenic	0.500	0.462	92.4	2.08	20	80 - 120
Barium	0.500	0.513	103	0.0186	20	80 - 120
Beryllium	0.500	0.470	94.1	0.127	20	80 - 120
Cadmium	0.500	0.509	102	1.11	20	80 - 120
Calcium	4.00	4.06	101	0.387	20	80 - 120
Chromium	0.500	0.499	99.8	1.21	20	80 - 120
Cobalt	0.500	0.512	102	0.190	20	80 - 120
Copper	1.00	0.982	98.2	0.497	20	80 - 120
Iron	4.00	3.86	96.5	2.62	20	80 - 120

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 3005A
Batch:	B305691	Laboratory ID:	B305691-BSD1
Column:		Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Lead	0.500	0.517	103	1.03	20	80 - 120
Magnesium	4.00	3.99	99.7	0.488	20	80 - 120
Manganese	0.500	0.483	96.6	2.27	20	80 - 120
Nickel	0.500	0.518	104	0.332	30	80 - 120
Potassium	4.00	4.02	100	2.13	20	80 - 120
Selenium	0.500	0.494	98.9	0.380	20	80 - 120
Silver	0.500	0.524	105	0.235	20	80 - 120
Sodium	4.00	3.92	98.0	0.995	20	80 - 120
Thallium	0.500	0.516	103	0.627	20	80 - 120
Vanadium	0.500	0.515	103	0.312	20	80 - 120
Zinc	1.00	1.03	103	0.834	20	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test, a Pace Analytical Laboratory
Work Order: 22D0541
Client: NYDEC_EA Engineering, Science & Tech. - NY
Matrix: Water
Instrument: ICP2

Analyte	MDL	MRL	Units	Method
Aluminum	0.015	0.050	mg/L	SW-846 6010D
Antimony	0.0089	0.050	mg/L	SW-846 6010D
Arsenic	0.0047	0.010	mg/L	SW-846 6010D
Barium	0.0056	0.050	mg/L	SW-846 6010D
Beryllium	0.0010	0.0040	mg/L	SW-846 6010D
Cadmium	0.00080	0.0040	mg/L	SW-846 6010D
Calcium	0.11	0.50	mg/L	SW-846 6010D
Chromium	0.0025	0.010	mg/L	SW-846 6010D
Cobalt	0.0014	0.010	mg/L	SW-846 6010D
Copper	0.0036	0.010	mg/L	SW-846 6010D
Iron	0.019	0.050	mg/L	SW-846 6010D
Lead	0.0030	0.010	mg/L	SW-846 6010D
Magnesium	0.0095	0.050	mg/L	SW-846 6010D
Manganese	0.0017	0.010	mg/L	SW-846 6010D
Nickel	0.0088	0.010	mg/L	SW-846 6010D
Potassium	0.30	2.0	mg/L	SW-846 6010D
Selenium	0.011	0.050	mg/L	SW-846 6010D
Silver	0.0032	0.010	mg/L	SW-846 6010D
Sodium	0.53	2.0	mg/L	SW-846 6010D
Thallium	0.019	0.050	mg/L	SW-846 6010D
Vanadium	0.0031	0.010	mg/L	SW-846 6010D
Zinc	0.0042	0.010	mg/L	SW-846 6010D

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test, a Pace Analytical Laboratory
Work Order: 22D0541
Client: NYDEC_EA Engineering, Science & Tech. - NY
Matrix: Water
Instrument: ICP3

Analyte	MDL	MRL	Units	Method
Aluminum	0.015	0.050	mg/L	SW-846 6010D
Antimony	0.0089	0.050	mg/L	SW-846 6010D
Arsenic	0.0047	0.010	mg/L	SW-846 6010D
Barium	0.0056	0.050	mg/L	SW-846 6010D
Beryllium	0.0010	0.0040	mg/L	SW-846 6010D
Cadmium	0.00080	0.0040	mg/L	SW-846 6010D
Calcium	0.11	0.50	mg/L	SW-846 6010D
Chromium	0.0025	0.010	mg/L	SW-846 6010D
Cobalt	0.0014	0.010	mg/L	SW-846 6010D
Copper	0.0036	0.010	mg/L	SW-846 6010D
Iron	0.019	0.050	mg/L	SW-846 6010D
Lead	0.0030	0.010	mg/L	SW-846 6010D
Magnesium	0.0095	0.050	mg/L	SW-846 6010D
Manganese	0.0017	0.010	mg/L	SW-846 6010D
Nickel	0.0088	0.010	mg/L	SW-846 6010D
Potassium	0.30	2.0	mg/L	SW-846 6010D
Selenium	0.011	0.050	mg/L	SW-846 6010D
Silver	0.0032	0.010	mg/L	SW-846 6010D
Sodium	0.53	2.0	mg/L	SW-846 6010D
Thallium	0.019	0.050	mg/L	SW-846 6010D
Vanadium	0.0031	0.010	mg/L	SW-846 6010D
Zinc	0.0042	0.010	mg/L	SW-846 6010D

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Con-Test, a Pace Analytical Laboratory
Work Order: 22D0541
Client: NYDEC_EA Engineering, Science & Tech. - NY
Matrix: Water
Instrument: ICP4

Analyte	MDL	MRL	Units	Method
Magnesium	0.0095	0.050	mg/L	SW-846 6010D

PREPARATION BATCH SUMMARY

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Batch:	B305681 Batch Matrix: Water	Preparation:	SW-846 3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
907017-MW-116S	22D0541-01	04/13/22 09:50	50.00	50.00
907017-MW-109S	22D0541-02	04/13/22 09:50	50.00	50.00
907017-MW-113S	22D0541-03	04/13/22 09:50	50.00	50.00
907017-DUP-04062022	22D0541-04	04/13/22 09:50	50.00	50.00
907017-MW-101	22D0541-05	04/13/22 09:50	50.00	50.00
907017-MW-117S	22D0541-06	04/13/22 09:50	50.00	50.00
907017-MW-118S	22D0541-07	04/13/22 09:50	50.00	50.00
907017-MW-114S	22D0541-08	04/13/22 09:50	50.00	50.00
907017-MW-115S	22D0541-09	04/13/22 09:50	50.00	50.00
907017-MW-102I	22D0541-10	04/13/22 09:50	50.00	50.00
907017-MW-102S	22D0541-11	04/13/22 09:50	50.00	50.00
907017-MW-117D	22D0541-12	04/13/22 09:50	50.00	50.00
907017-MW-117I	22D0541-13	04/13/22 09:50	50.00	50.00
907017-MW-109I	22D0541-14	04/13/22 09:50	50.00	50.00
907017-MW-109D	22D0541-15	04/13/22 09:50	50.00	50.00
907017-RB-04052022	22D0541-16	04/13/22 09:50	50.00	50.00
907017-FB-04052022	22D0541-17	04/13/22 09:50	50.00	50.00
907017-RB-04062022	22D0541-18	04/13/22 09:50	50.00	50.00
Blank	B305681-BLK1	04/13/22 09:50	50.00	50.00
LCS	B305681-BS1	04/13/22 09:50	50.00	50.00
LCS Dup	B305681-BSD1	04/13/22 09:50	50.00	50.00
907017-MW-109D	B305681-MS1	04/13/22 09:50	50.00	50.00
907017-MW-109D	B305681-MSD1	04/13/22 09:50	50.00	50.00

PREPARATION BATCH SUMMARY

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Batch:	B305691 Batch Matrix: Water	Preparation:	SW-846 3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
907017-FB-04062022	22D0541-19	04/13/22 10:23	50.00	50.00
Blank	B305691-BLK1	04/13/22 10:23	50.00	50.00
LCS	B305691-BS1	04/13/22 10:23	50.00	50.00
LCS Dup	B305691-BSD1	04/13/22 10:23	50.00	50.00
907017-FB-04062022	B305691-DUP1	04/13/22 10:23	50.00	50.00
907017-FB-04062022	B305691-MS1	04/13/22 10:23	50.00	50.00

ANALYSIS SEQUENCE

S070735

Instrument: ICP3

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S070735-ICV1	QC		1		2111414	2204254	
S070735-ICV2	QC		2		2201355	2204254	
S070735-ICB1	QC		3		2111294	2204254	
S070735-LCV1	QC		4		2202321	2204254	
S070735-CCV1	QC		5		2112026	2204254	
S070735-IFA1	QC		6		2202319	2204254	
S070735-IFB1	QC		7		2202320	2204254	
S070735-LCV2	QC		8		2202321	2201354	
S070735-HCV1	QC		9		2202322	2204254	
S070735-HCV2	QC		10		2204247	2204254	
S070735-ICV3	QC		11		2111414	2204254	
S070735-CCV2	QC		12		2112026	2204254	
S070735-CCB1	QC		13		2111294	2204254	
B305691-BLK1	QC		14			2204254	
B305691-BS1	QC		15			2204254	
B305691-BSD1	QC		16			2204254	
B305691-MS1	QC		17			2204254	
B305691-DUP1	QC		18			2204254	
22D0541-19	Aluminum 6010 Total	C	19			2204254	
22D0541-19	Antimony 6010 Total	C	20			2204254	
22D0541-19	Arsenic 6010 Total	C	21			2204254	
22D0541-19	Barium 6010 Total	C	22			2204254	
22D0541-19	Calcium 6010 Total	C	23			2204254	
22D0541-19	Cobalt 6010 Total	C	24			2204254	
22D0541-19	Copper 6010 Total	C	25			2204254	
22D0541-19	Iron 6010 Total	C	26			2204254	
22D0541-19	Magnesium 6010 Total	C	27			2204254	
22D0541-19	Manganese 6010 Total	C	28			2204254	
22D0541-19	Nickel 6010 Total	C	29			2204254	
22D0541-19	Potassium 6010 Total	C	30			2204254	
22D0541-19	Selenium 6010 Total	C	31			2204254	
22D0541-19	Silver 6010 Total	C	32			2204254	
22D0541-19	Sodium 6010 Total	C	33			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S070735

Instrument: ICP3

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-19	Thallium 6010 Total	C	34			2204254	
22D0541-19	Vanadium 6010 Total	C	35			2204254	
22D0777-01	Iron 6010 Total	E	36			2204254	
S070735-CCV3	QC		37		2112026	2204254	
S070735-CCB2	QC		38		2111294	2204254	
22D0777-02	Iron 6010 Total	E	39			2204254	
22D0777-03	Iron 6010 Total	E	40			2204254	
22D0777-04	Iron 6010 Total	E	41			2204254	
22D0777-05	Iron 6010 Total	D	42			2204254	
S070735-CCV4	QC		43		2112026	2204254	
S070735-CCB3	QC		44		2111294	2204254	
S070735-IFA2	QC		45		2202319	2204254	
S070735-IFB2	QC		46		2202320	2204254	

Samples Loaded By Date

Data Processed By Date

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Reprocessing Begun
Logged In Analyst: ICP3 **Technique: ICP Continuous**

Results Data Set (original): 0414A22
Results Library (original): C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb
Results Data Set (reprocessed): 0414B22
Results Library (reprocessed): C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/14/2022 9:55:48 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/14/2022 7:18:15 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:42 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y radial	334733.4	5723.81	1.71%	100	%
Y axial	3001913.8	31579.79	1.05%	100	%
Ag 328.068†	-71.7	26.61	37.13%	[0.00]	mg/L
Al 396.153†	39.9	25.12	62.94%	[0.00]	mg/L
As 188.979†	-48.3	2.92	6.03%	[0.00]	mg/L
B 208.889†	26.0	2.13	8.21%	[0.00]	mg/L
Ba 233.527†	-58.2	6.36	10.92%	[0.00]	mg/L
Be 313.107†	1257.6	25.54	2.03%	[0.00]	mg/L
Ca 317.933†	2150.5	50.32	2.34%	[0.00]	mg/L
Cd 228.802†	60.6	3.84	6.33%	[0.00]	mg/L
Co 228.616†	-184.1	5.41	2.94%	[0.00]	mg/L
Cr 267.716†	175.7	9.03	5.14%	[0.00]	mg/L
Cu 327.393†	-214.3	60.06	28.03%	[0.00]	mg/L
Fe 238.204†	-5.6	0.54	9.66%	[0.00]	mg/L
K 766.490†	284.4	29.47	10.36%	[0.00]	mg/L

Mg 285.213†	262.9	5.23	1.99%	[0.00]	mg/L
Mn 257.610†	-179.4	3.32	1.85%	[0.00]	mg/L
Mo 202.031†	21.4	2.32	10.88%	[0.00]	mg/L
Na 589.592†	1906.0	8.45	0.44%	[0.00]	mg/L
Ni 231.604†	30.8	6.80	22.07%	[0.00]	mg/L
Pb 220.353†	48.7	2.73	5.60%	[0.00]	mg/L
Sb 206.836†	31.3	1.21	3.86%	[0.00]	mg/L
Se 196.026†	15.0	6.48	43.05%	[0.00]	mg/L
Sn 189.927†	-88.7	3.88	4.37%	[0.00]	mg/L
Ti 337.279†	-124.9	63.42	50.80%	[0.00]	mg/L
Tl 351.924†	-20.8	6.37	30.60%	[0.00]	mg/L
V 290.880†	1195.0	13.69	1.15%	[0.00]	mg/L
Zn 206.200†	-124.3	4.11	3.31%	[0.00]	mg/L
Zr 343.823†	202.0	22.11	10.94%	[0.00]	mg/L

Sequence No.: 2 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/14/2022 7:24:01 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:44 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y radial	340865.4	2316.24	0.68%	102	%
Y axial	3033176.5	1544.28	0.05%	101	%
Ag 328.068†	-85.2	32.38	38.01%	[0.00]	mg/L
Al 396.153†	47.5	37.78	79.59%	[0.00]	mg/L
As 188.979†	-52.2	3.56	6.82%	[0.00]	mg/L
B 208.889†	28.0	1.83	6.54%	[0.00]	mg/L
Ba 233.527†	-59.3	5.53	9.33%	[0.00]	mg/L
Be 313.107†	1231.8	10.95	0.89%	[0.00]	mg/L
Ca 317.933†	2133.4	52.68	2.47%	[0.00]	mg/L
Cd 228.802†	64.5	2.68	4.15%	[0.00]	mg/L
Co 228.616†	-175.9	4.25	2.42%	[0.00]	mg/L
Cr 267.716†	175.6	8.72	4.97%	[0.00]	mg/L
Cu 327.393†	-276.5	50.78	18.37%	[0.00]	mg/L
Fe 238.204†	-7.4	1.43	19.37%	[0.00]	mg/L
K 766.490†	377.8	15.99	4.23%	[0.00]	mg/L
Mg 285.213†	257.3	10.33	4.01%	[0.00]	mg/L
Mn 257.610†	-174.8	5.71	3.26%	[0.00]	mg/L
Mo 202.031†	20.4	5.35	26.19%	[0.00]	mg/L
Na 589.592†	1837.2	60.84	3.31%	[0.00]	mg/L
Ni 231.604†	39.4	5.90	14.99%	[0.00]	mg/L
Pb 220.353†	47.5	4.94	10.40%	[0.00]	mg/L
Sb 206.836†	25.5	1.11	4.34%	[0.00]	mg/L
Se 196.026†	14.9	14.56	97.47%	[0.00]	mg/L
Sn 189.927†	-85.5	2.97	3.47%	[0.00]	mg/L
Ti 337.279†	-160.5	28.17	17.55%	[0.00]	mg/L
Tl 351.924†	-19.4	4.51	23.18%	[0.00]	mg/L
V 290.880†	1192.5	9.76	0.82%	[0.00]	mg/L
Zn 206.200†	-122.8	7.25	5.90%	[0.00]	mg/L
Zr 343.823†	158.3	23.63	14.93%	[0.00]	mg/L

Sequence No.: 3 **Autosampler Location: 21**
Sample ID: SEQ-CAL1@ 2112021 **Date Collected: 4/14/2022 7:36:58 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:44 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL1@ 2112021

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y radial	340331.5	2398.56	0.70%	102	%
Y axial	3062735.6	24558.17	0.80%	102	%
Ag 328.068†	5590.1	81.58	1.46%	[0.0625]	mg/L
Al 396.153†	1797.5	18.93	1.05%	[0.25]	mg/L

As 188.979†	155.0	2.64	1.71%	[0.125]	mg/L
B 208.889†	912.6	9.32	1.02%	[0.125]	mg/L
Ba 233.527†	6942.5	76.94	1.11%	[0.125]	mg/L
Be 313.107†	35347.2	97.18	0.27%	[0.125]	mg/L
Cd 228.802†	3075.1	19.29	0.63%	[0.125]	mg/L
Co 228.616†	3263.6	24.14	0.74%	[0.125]	mg/L
Cr 267.716†	6391.1	101.13	1.58%	[0.125]	mg/L
Cu 327.393†	17888.9	354.80	1.98%	[0.125]	mg/L
Fe 238.204†	102.8	2.42	2.35%	[0.125]	mg/L
Mg 285.213†	5035.7	25.88	0.51%	[0.25]	mg/L
Mn 257.610†	3227.0	24.94	0.77%	[0.125]	mg/L
Mo 202.031†	1953.9	3.31	0.17%	[0.125]	mg/L
Ni 231.604†	2854.3	35.55	1.25%	[0.125]	mg/L
Pb 220.353†	398.5	1.45	0.36%	[0.125]	mg/L
Sb 206.836†	267.8	4.78	1.78%	[0.125]	mg/L
Se 196.026†	139.2	3.01	2.16%	[0.125]	mg/L
Sn 189.927†	641.2	4.23	0.66%	[0.125]	mg/L
Ti 337.279†	5391.8	71.22	1.32%	[0.125]	mg/L
Tl 351.924†	168.1	22.23	13.23%	[0.0625]	mg/L
V 290.880†	8280.3	121.64	1.47%	[0.125]	mg/L
Zn 206.200†	2886.2	21.65	0.75%	[0.125]	mg/L
Zr 343.823†	32484.5	442.47	1.36%	[0.125]	mg/L

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Sequence No.: 4 **Autosampler Location: 22**
Sample ID: SEQ-CAL2@ 2112022 **Date Collected: 4/14/2022 8:06:31 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:45 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL2@ 2112022

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	334068.6	2191.75	0.66%	99.8	%
Y axial	3018929.5	16132.91	0.53%	101	%
Ag 328.068†	23295.2	89.18	0.38%	[0.25]	mg/L
Al 396.153†	7523.4	83.67	1.11%	[1]	mg/L
As 188.979†	625.9	2.72	0.44%	[0.5]	mg/L
B 208.889†	3820.2	18.95	0.50%	[0.5]	mg/L
Ba 233.527†	28900.6	366.60	1.27%	[0.5]	mg/L
Be 313.107†	153627.1	2186.16	1.42%	[0.5]	mg/L
Ca 317.933†	12830.1	151.18	1.18%	[1]	mg/L
Cd 228.802†	12760.8	36.75	0.29%	[0.5]	mg/L
Co 228.616†	13801.0	34.26	0.25%	[0.5]	mg/L
Cr 267.716†	26718.8	238.85	0.89%	[0.5]	mg/L
Cu 327.393†	75234.6	1070.54	1.42%	[0.5]	mg/L
Fe 238.204†	430.0	2.67	0.62%	[0.5]	mg/L
Mg 285.213†	21017.5	246.74	1.17%	[1]	mg/L
Mn 257.610†	13603.6	221.11	1.63%	[0.5]	mg/L
Mo 202.031†	7932.5	13.05	0.16%	[0.5]	mg/L
Ni 231.604†	12059.2	30.73	0.25%	[0.5]	mg/L
Pb 220.353†	1639.9	12.03	0.73%	[0.5]	mg/L
Sb 206.836†	1084.7	9.37	0.86%	[0.5]	mg/L
Se 196.026†	600.5	4.75	0.79%	[0.5]	mg/L
Sn 189.927†	2524.4	2.79	0.11%	[0.5]	mg/L
Ti 337.279†	21962.8	301.83	1.37%	[0.5]	mg/L
Tl 351.924†	723.3	6.30	0.87%	[0.25]	mg/L
V 290.880†	34980.0	458.20	1.31%	[0.5]	mg/L
Zn 206.200†	12137.0	22.59	0.19%	[0.5]	mg/L
Zr 343.823†	132547.3	1537.06	1.16%	[0.5]	mg/L

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Sequence No.: 5 **Autosampler Location: 23**
Sample ID: SEQ-CAL3@ 2112023 **Date Collected: 4/14/2022 7:52:24 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:45 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL3@ 2112023

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	336243.3	1702.27	0.51%	100	%
Y axial	2950829.3	9184.89	0.31%	98.3	%
Ag 328.068†	45728.4	228.06	0.50%	[0.5]	mg/L
Al 396.153†	14614.5	7.97	0.05%	[2]	mg/L
As 188.979†	1240.8	11.01	0.89%	[1]	mg/L
B 208.889†	7497.8	22.45	0.30%	[1]	mg/L
Ba 233.527†	55976.0	467.78	0.84%	[1]	mg/L
Be 313.107†	283679.5	571.65	0.20%	[1]	mg/L
Ca 317.933†	24881.2	26.62	0.11%	[2]	mg/L
Cd 228.802†	24802.4	164.78	0.66%	[1]	mg/L
Co 228.616†	26650.0	174.13	0.65%	[1]	mg/L
Cr 267.716†	51768.0	337.82	0.65%	[1]	mg/L
Cu 327.393†	146921.0	1432.26	0.97%	[1]	mg/L
Fe 238.204†	814.0	9.05	1.11%	[1]	mg/L
K 766.490†	3939.6	36.65	0.93%	[2]	mg/L
Mg 285.213†	40360.7	82.99	0.21%	[2]	mg/L
Mn 257.610†	26047.4	22.65	0.09%	[1]	mg/L
Mo 202.031†	15603.6	69.89	0.45%	[1]	mg/L
Na 589.592†	22443.9	11.70	0.05%	[2]	mg/L
Ni 231.604†	23313.2	200.77	0.86%	[1]	mg/L
Pb 220.353†	3193.5	10.90	0.34%	[1]	mg/L
Sb 206.836†	2162.5	6.58	0.30%	[1]	mg/L
Se 196.026†	1169.6	3.53	0.30%	[1]	mg/L
Sn 189.927†	4988.8	19.01	0.38%	[1]	mg/L
Ti 337.279†	42106.1	72.93	0.17%	[1]	mg/L
Tl 351.924†	1369.7	10.07	0.74%	[0.5]	mg/L
V 290.880†	67880.1	455.28	0.67%	[1]	mg/L
Zn 206.200†	23577.7	145.30	0.62%	[1]	mg/L
Zr 343.823†	260154.0	2221.93	0.85%	[1]	mg/L

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Sequence No.: 6 **Autosampler Location: 5**
Sample ID: SEQ-CAL4@ 2112024 **Date Collected: 4/14/2022 8:00:09 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:46 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL4@ 2112024

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	335716.7	4519.66	1.35%	100	%
Y axial	2921692.8	21006.67	0.72%	97.3	%
Ag 328.068†	224269.3	2508.74	1.12%	[2.5]	mg/L
Al 396.153†	71807.2	42.33	0.06%	[10]	mg/L
As 188.979†	6122.9	148.32	2.42%	[5]	mg/L
B 208.889†	36769.7	702.91	1.91%	[5]	mg/L
Ba 233.527†	272035.9	267.67	0.10%	[5]	mg/L
Be 313.107†	1417892.0	705.43	0.05%	[5]	mg/L
Ca 317.933†	122902.7	247.16	0.20%	[10]	mg/L
Cd 228.802†	121423.6	303.23	0.25%	[5]	mg/L
Co 228.616†	129449.4	116.71	0.09%	[5]	mg/L
Cr 267.716†	253668.2	142.21	0.06%	[5]	mg/L
Cu 327.393†	722399.3	824.57	0.11%	[5]	mg/L
Fe 238.204†	3987.8	68.87	1.73%	[5]	mg/L
K 766.490†	20240.0	338.38	1.67%	[10]	mg/L
Mg 285.213†	198004.8	308.90	0.16%	[10]	mg/L
Mn 257.610†	125916.7	100.40	0.08%	[5]	mg/L
Mo 202.031†	76145.3	1373.99	1.80%	[5]	mg/L
Na 589.592†	110107.0	150.37	0.14%	[10]	mg/L
Ni 231.604†	112876.0	284.68	0.25%	[5]	mg/L
Pb 220.353†	15308.5	294.12	1.92%	[5]	mg/L
Sb 206.836†	10541.4	235.81	2.24%	[5]	mg/L
Se 196.026†	5874.0	92.08	1.57%	[5]	mg/L
Sn 189.927†	24109.8	465.49	1.93%	[5]	mg/L
Ti 337.279†	207521.1	287.93	0.14%	[5]	mg/L
Tl 351.924†	6841.2	157.11	2.30%	[2.5]	mg/L
V 290.880†	336384.1	583.28	0.17%	[5]	mg/L
Zn 206.200†	114901.8	177.43	0.15%	[5]	mg/L
Zr 343.823†	1280676.6	2337.60	0.18%	[5]	mg/L

Sequence No.: 7 **Autosampler Location: 24**
Sample ID: SEQ-CAL5@ 2112025 **Date Collected: 4/14/2022 8:13:54 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:41:47 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL5@ 2112025

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	333120.1	3671.98	1.10%	99.5	%
Y axial	2884581.4	9225.40	0.32%	96.1	%
Ag 328.068†	411258.1	2049.44	0.50%	[5]	mg/L
Al 396.153†	141987.3	216.74	0.15%	[20]	mg/L
As 188.979†	12199.7	141.72	1.16%	[10]	mg/L
B 208.889†	72393.6	569.20	0.79%	[10]	mg/L
Ba 233.527†	533576.7	894.13	0.17%	[10]	mg/L
Be 313.107†	2808508.6	3990.99	0.14%	[10]	mg/L
Ca 317.933†	242879.3	679.03	0.28%	[20]	mg/L
Cd 228.802†	239841.6	167.99	0.07%	[10]	mg/L
Co 228.616†	254551.4	275.55	0.11%	[10]	mg/L
Cr 267.716†	501489.2	655.81	0.13%	[10]	mg/L
Cu 327.393†	1438905.3	2159.47	0.15%	[10]	mg/L
Fe 238.204†	7707.1	137.91	1.79%	[10]	mg/L
K 766.490†	39733.2	811.37	2.04%	[20]	mg/L
Mg 285.213†	389570.7	792.97	0.20%	[20]	mg/L
Mn 257.610†	248560.9	517.80	0.21%	[10]	mg/L
Mo 202.031†	149221.6	318.61	0.21%	[10]	mg/L
Na 589.592†	217241.5	230.07	0.11%	[20]	mg/L
Ni 231.604†	221240.3	319.57	0.14%	[10]	mg/L
Pb 220.353†	29830.1	304.46	1.02%	[10]	mg/L
Sb 206.836†	21005.8	171.36	0.82%	[10]	mg/L
Se 196.026†	11779.4	97.42	0.83%	[10]	mg/L
Sn 189.927†	47040.4	410.38	0.87%	[10]	mg/L
Ti 337.279†	411693.0	268.46	0.07%	[10]	mg/L
Tl 351.924†	13830.9	105.23	0.76%	[5]	mg/L
V 290.880†	668211.5	628.28	0.09%	[10]	mg/L
Zn 206.200†	225833.6	540.56	0.24%	[10]	mg/L
Zr 343.823†	2527435.1	2216.08	0.09%	[10]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	5	Lin Thru 0	0.0	83820	0.00000	0.999328	
Al 396.153	5	Lin Thru 0	0.0	7118	0.00000	0.999984	
As 188.979	5	Lin Thru 0	0.0	1221	0.00000	0.999997	
B 208.889	5	Lin Thru 0	0.0	7265	0.00000	0.999974	
Ba 233.527	5	Lin Thru 0	0.0	53600	0.00000	0.999956	
Be 313.107	5	Lin Thru 0	0.0	281500	0.00000	0.999984	
Ca 317.933	4	Lin Thru 0	0.0	12180	0.00000	0.999984	
Cd 228.802	5	Lin Thru 0	0.0	24050	0.00000	0.999980	
Co 228.616	5	Lin Thru 0	0.0	25560	0.00000	0.999963	
Cr 267.716	5	Lin Thru 0	0.0	50280	0.00000	0.999982	
Cu 327.393	5	Lin Thru 0	0.0	144000	0.00000	0.999995	
Fe 238.204	5	Lin Thru 0	0.0	776.6	0.00000	0.999884	
K 766.490	3	Lin Thru 0	0.0	1994	0.00000	0.999972	
Mg 285.213	5	Lin Thru 0	0.0	19550	0.00000	0.999969	
Mn 257.610	5	Lin Thru 0	0.0	24940	0.00000	0.999970	
Mo 202.031	5	Lin Thru 0	0.0	14990	0.00000	0.999957	
Na 589.592	3	Lin Thru 0	0.0	10890	0.00000	0.999982	
Ni 231.604	5	Lin Thru 0	0.0	22230	0.00000	0.999951	
Pb 220.353	5	Lin Thru 0	0.0	3001	0.00000	0.999920	
Sb 206.836	5	Lin Thru 0	0.0	2103	0.00000	0.999995	
Se 196.026	5	Lin Thru 0	0.0	1177	0.00000	0.999999	
Sn 189.927	5	Lin Thru 0	0.0	4730	0.00000	0.999934	
Ti 337.279	5	Lin Thru 0	0.0	41250	0.00000	0.999989	
Tl 351.924	5	Lin Thru 0	0.0	2760	0.00000	0.999988	
V 290.880	5	Lin Thru 0	0.0	66930	0.00000	0.999993	
Zn 206.200	5	Lin Thru 0	0.0	22670	0.00000	0.999964	
Zr 343.823	5	Lin Thru 0	0.0	253500	0.00000	0.999981	

Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/14/2022 11:41:59 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Sequence No.: 1 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 8:29:10 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:03 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Replicate Data: SEQ-ICV@ 2111414

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y radial	338934.6	338934.6	101	%			8:30:30 AM
1	Y axial	3026468.7	3026468.7	101	%			8:32:00 AM
1	Ag 328.068†	94421.1	93740.2	1.115	mg/L	1.115	mg/L	8:33:40 AM
1	Al 396.153†	15010.0	14776.5	1.954	mg/L	1.954	mg/L	8:30:30 AM
1	As 188.979†	2439.3	2471.7	2.032	mg/L	2.032	mg/L	8:32:20 AM
1	B 208.889†	15111.1	14960.4	1.957	mg/L	1.957	mg/L	8:32:20 AM
1	Ba 233.527†	113145.2	112286.5	2.096	mg/L	2.096	mg/L	8:32:00 AM
1	Be 313.107†	592167.4	583595.4	2.063	mg/L	2.063	mg/L	8:30:30 AM
1	Ca 317.933†	27627.6	25151.8	2.066	mg/L	2.066	mg/L	8:30:50 AM
1	Cd 228.802†	50165.1	49693.6	2.050	mg/L	2.050	mg/L	8:32:00 AM
1	Co 228.616†	54144.2	53880.8	2.104	mg/L	2.104	mg/L	8:32:00 AM
1	Cr 267.716†	105661.4	104628.5	2.080	mg/L	2.080	mg/L	8:32:00 AM
1	Cu 327.393†	295679.8	293557.3	2.052	mg/L	2.052	mg/L	8:32:00 AM
1	Fe 238.204†	1648.9	1635.8	2.111	mg/L	2.111	mg/L	8:30:50 AM
1	K 766.490†	4369.3	3937.3	1.975	mg/L	1.975	mg/L	8:30:50 AM
1	Mg 285.213†	40959.2	40194.2	2.019	mg/L	2.019	mg/L	8:30:30 AM
1	Mn 257.610†	51739.2	51272.7	2.059	mg/L	2.059	mg/L	8:30:30 AM
1	Mo 202.031†	31029.4	30757.2	2.052	mg/L	2.052	mg/L	8:32:20 AM
1	Na 589.592†	24100.1	21964.2	2.016	mg/L	2.016	mg/L	8:30:30 AM
1	Ni 231.604†	47162.2	46740.2	2.101	mg/L	2.101	mg/L	8:32:00 AM
1	Pb 220.353†	6424.5	6324.9	2.111	mg/L	2.111	mg/L	8:32:20 AM
1	Sb 206.836†	4327.5	4266.9	2.013	mg/L	2.013	mg/L	8:32:20 AM
1	Se 196.026†	2423.8	2389.2	2.035	mg/L	2.035	mg/L	8:32:20 AM
1	Sn 189.927†	9813.3	9819.3	2.085	mg/L	2.085	mg/L	8:32:20 AM

1	Ti 337.279†	84458.4	83572.0	2.026 mg/L	2.026 mg/L	8:30:30 AM
1	Tl 351.924†	2852.3	2848.7	1.018 mg/L	1.018 mg/L	8:32:20 AM
1	V 290.880†	138947.7	136627.9	2.052 mg/L	2.052 mg/L	8:32:00 AM
1	Zn 206.200†	48202.8	47934.5	2.107 mg/L	2.107 mg/L	8:32:00 AM
1	Zr 343.823†	519226.0	514855.1	2.031 mg/L	2.031 mg/L	8:32:00 AM
2	Y radial	338368.0	338368.0	101 %		8:30:52 AM
2	Y axial	2982071.6	2982071.6	99.3 %		8:32:23 AM
2	Ag 328.068†	95545.8	96266.7	1.145 mg/L	1.145 mg/L	8:33:42 AM
2	Al 396.153†	14992.7	14784.2	1.954 mg/L	1.954 mg/L	8:30:52 AM
2	As 188.979†	2443.7	2512.2	2.066 mg/L	2.066 mg/L	8:32:43 AM
2	B 208.889†	15150.6	15223.3	1.992 mg/L	1.992 mg/L	8:32:43 AM
2	Ba 233.527†	111136.2	111935.0	2.090 mg/L	2.090 mg/L	8:32:23 AM
2	Be 313.107†	596336.1	588698.7	2.081 mg/L	2.081 mg/L	8:30:52 AM
2	Ca 317.933†	27806.7	25374.6	2.084 mg/L	2.084 mg/L	8:31:12 AM
2	Cd 228.802†	49440.0	49704.5	2.050 mg/L	2.050 mg/L	8:32:23 AM
2	Co 228.616†	53234.0	53764.1	2.100 mg/L	2.100 mg/L	8:32:23 AM
2	Cr 267.716†	104003.0	104519.4	2.078 mg/L	2.078 mg/L	8:32:23 AM
2	Cu 327.393†	290107.5	292314.3	2.043 mg/L	2.043 mg/L	8:32:23 AM
2	Fe 238.204†	1655.8	1645.4	2.123 mg/L	2.123 mg/L	8:31:12 AM
2	K 766.490†	4391.0	3966.1	1.989 mg/L	1.989 mg/L	8:31:12 AM
2	Mg 285.213†	40909.9	40213.2	2.020 mg/L	2.020 mg/L	8:30:52 AM
2	Mn 257.610†	51829.0	51447.1	2.066 mg/L	2.066 mg/L	8:30:52 AM
2	Mo 202.031†	31083.0	31269.4	2.086 mg/L	2.086 mg/L	8:32:43 AM
2	Na 589.592†	24037.4	21942.0	2.014 mg/L	2.014 mg/L	8:30:52 AM
2	Ni 231.604†	46415.7	46685.2	2.099 mg/L	2.099 mg/L	8:32:23 AM
2	Pb 220.353†	6437.4	6432.7	2.147 mg/L	2.147 mg/L	8:32:43 AM
2	Sb 206.836†	4337.0	4340.4	2.048 mg/L	2.048 mg/L	8:32:43 AM
2	Se 196.026†	2446.6	2448.0	2.085 mg/L	2.085 mg/L	8:32:43 AM
2	Sn 189.927†	9840.3	9991.3	2.121 mg/L	2.121 mg/L	8:32:43 AM
2	Ti 337.279†	84353.5	83607.9	2.026 mg/L	2.026 mg/L	8:30:52 AM
2	Tl 351.924†	2862.5	2901.0	1.037 mg/L	1.037 mg/L	8:32:43 AM
2	V 290.880†	136869.9	136588.2	2.051 mg/L	2.051 mg/L	8:32:23 AM
2	Zn 206.200†	47400.1	47838.2	2.103 mg/L	2.103 mg/L	8:32:23 AM
2	Zr 343.823†	509254.5	512484.7	2.022 mg/L	2.022 mg/L	8:32:23 AM
3	Y radial	338387.8	338387.8	101 %		8:31:14 AM
3	Y axial	3026754.4	3026754.4	101 %		8:32:46 AM
3	Ag 328.068†	92883.5	92206.4	1.097 mg/L	1.097 mg/L	8:33:45 AM
3	Al 396.153†	15016.7	14807.1	1.959 mg/L	1.959 mg/L	8:31:14 AM
3	As 188.979†	2417.5	2449.8	2.015 mg/L	2.015 mg/L	8:33:06 AM
3	B 208.889†	15133.5	14981.3	1.960 mg/L	1.960 mg/L	8:33:06 AM
3	Ba 233.527†	112702.9	111837.2	2.088 mg/L	2.088 mg/L	8:32:46 AM
3	Be 313.107†	592440.5	584810.6	2.068 mg/L	2.068 mg/L	8:31:14 AM
3	Ca 317.933†	27573.6	25142.4	2.065 mg/L	2.065 mg/L	8:31:34 AM
3	Cd 228.802†	50124.3	49648.5	2.048 mg/L	2.048 mg/L	8:32:46 AM
3	Co 228.616†	53925.7	53659.0	2.096 mg/L	2.096 mg/L	8:32:46 AM
3	Cr 267.716†	105402.3	104361.7	2.075 mg/L	2.075 mg/L	8:32:46 AM
3	Cu 327.393†	295578.7	293429.4	2.051 mg/L	2.051 mg/L	8:32:46 AM
3	Fe 238.204†	1628.8	1618.6	2.088 mg/L	2.088 mg/L	8:31:34 AM
3	K 766.490†	4355.6	3930.8	1.971 mg/L	1.971 mg/L	8:31:34 AM
3	Mg 285.213†	40826.6	40128.4	2.015 mg/L	2.015 mg/L	8:31:14 AM
3	Mn 257.610†	51837.2	51452.3	2.066 mg/L	2.066 mg/L	8:31:14 AM
3	Mo 202.031†	30977.6	30702.9	2.048 mg/L	2.048 mg/L	8:33:06 AM
3	Na 589.592†	24240.6	22141.7	2.032 mg/L	2.032 mg/L	8:31:14 AM
3	Ni 231.604†	47132.5	46706.3	2.100 mg/L	2.100 mg/L	8:32:46 AM
3	Pb 220.353†	6404.1	6304.1	2.104 mg/L	2.104 mg/L	8:33:06 AM
3	Sb 206.836†	4315.4	4254.5	2.007 mg/L	2.007 mg/L	8:33:06 AM
3	Se 196.026†	2445.5	2410.5	2.053 mg/L	2.053 mg/L	8:33:06 AM
3	Sn 189.927†	9776.9	9782.1	2.077 mg/L	2.077 mg/L	8:33:06 AM
3	Ti 337.279†	84617.0	83863.7	2.033 mg/L	2.033 mg/L	8:31:14 AM
3	Tl 351.924†	2854.3	2850.4	1.018 mg/L	1.018 mg/L	8:33:06 AM
3	V 290.880†	138824.4	136492.6	2.049 mg/L	2.049 mg/L	8:32:46 AM
3	Zn 206.200†	47846.5	47576.6	2.092 mg/L	2.092 mg/L	8:32:46 AM
3	Zr 343.823†	517272.1	512868.6	2.023 mg/L	2.023 mg/L	8:32:46 AM
4	Y radial	345757.0	345757.0	103 %		8:31:36 AM
4	Y axial	2999885.7	2999885.7	99.9 %		8:33:09 AM
4	Ag 328.068†	92142.3	92289.8	1.098 mg/L	1.098 mg/L	8:33:47 AM
4	Al 396.153†	15319.9	14784.0	1.955 mg/L	1.955 mg/L	8:31:36 AM
4	As 188.979†	2403.5	2457.3	2.021 mg/L	2.021 mg/L	8:33:29 AM
4	B 208.889†	15042.7	15024.9	1.966 mg/L	1.966 mg/L	8:33:29 AM
4	Ba 233.527†	111726.4	111861.2	2.089 mg/L	2.089 mg/L	8:33:09 AM
4	Be 313.107†	607974.4	587358.8	2.077 mg/L	2.077 mg/L	8:31:36 AM
4	Ca 317.933†	27578.7	24566.1	2.017 mg/L	2.017 mg/L	8:31:57 AM
4	Cd 228.802†	49763.8	49733.0	2.052 mg/L	2.052 mg/L	8:33:09 AM
4	Co 228.616†	53440.4	53652.4	2.095 mg/L	2.095 mg/L	8:33:09 AM
4	Cr 267.716†	104609.1	104504.2	2.077 mg/L	2.077 mg/L	8:33:09 AM

4	Cu 327.393†	292554.9	293029.1	2.048 mg/L	2.048 mg/L	8:33:09 AM
4	Fe 238.204†	1643.2	1598.2	2.062 mg/L	2.062 mg/L	8:31:57 AM
4	K 766.490†	4328.4	3812.6	1.912 mg/L	1.912 mg/L	8:31:57 AM
4	Mg 285.213†	41623.8	40039.4	2.011 mg/L	2.011 mg/L	8:31:36 AM
4	Mn 257.610†	52832.9	51323.3	2.061 mg/L	2.061 mg/L	8:31:36 AM
4	Mo 202.031†	30831.2	30831.6	2.057 mg/L	2.057 mg/L	8:33:29 AM
4	Na 589.592†	24688.8	22064.5	2.025 mg/L	2.025 mg/L	8:31:36 AM
4	Ni 231.604†	46789.9	46782.2	2.103 mg/L	2.103 mg/L	8:33:09 AM
4	Pb 220.353†	6371.0	6327.8	2.112 mg/L	2.112 mg/L	8:33:29 AM
4	Sb 206.836†	4288.6	4266.0	2.012 mg/L	2.012 mg/L	8:33:29 AM
4	Se 196.026†	2410.6	2397.3	2.042 mg/L	2.042 mg/L	8:33:29 AM
4	Sn 189.927†	9717.5	9809.6	2.083 mg/L	2.083 mg/L	8:33:29 AM
4	Ti 337.279†	86529.9	83931.6	2.034 mg/L	2.034 mg/L	8:31:36 AM
4	Tl 351.924†	2842.1	2863.5	1.023 mg/L	1.023 mg/L	8:33:29 AM
4	V 290.880†	137493.3	136393.8	2.048 mg/L	2.048 mg/L	8:33:09 AM
4	Zn 206.200†	47453.8	47608.7	2.093 mg/L	2.093 mg/L	8:33:09 AM
4	Zr 343.823†	512004.0	512191.8	2.020 mg/L	2.020 mg/L	8:33:09 AM

Mean Data: SEQ-ICV@ 2111414

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	340361.9	102	%	1.08				1.06%
Y axial	3008795.1	100	%	0.73				0.73%
Ag 328.068†	93625.8	1.114	mg/L	0.0226	1.114	mg/L	0.0226	2.03%
QC value greater than the upper limit for Ag 328.068 Recovery = 111.39% Rerun								
Al 396.153†	14787.9	1.955	mg/L	0.0023	1.955	mg/L	0.0023	0.12%
QC value within limits for Al 396.153 Recovery = 97.77%								
As 188.979†	2472.7	2.033	mg/L	0.0228	2.033	mg/L	0.0228	1.12%
QC value within limits for As 188.979 Recovery = 101.66%								
B 208.889†	15047.5	1.969	mg/L	0.0157	1.969	mg/L	0.0157	0.80%
QC value within limits for B 208.889 Recovery = 98.43%								
Ba 233.527†	111980.0	2.091	mg/L	0.0039	2.091	mg/L	0.0039	0.19%
QC value within limits for Ba 233.527 Recovery = 104.54%								
Be 313.107†	586115.9	2.072	mg/L	0.0083	2.072	mg/L	0.0083	0.40%
QC value within limits for Be 313.107 Recovery = 103.61%								
Ca 317.933†	25058.7	2.058	mg/L	0.0284	2.058	mg/L	0.0284	1.38%
QC value within limits for Ca 317.933 Recovery = 102.90%								
Cd 228.802†	49694.9	2.050	mg/L	0.0014	2.050	mg/L	0.0014	0.07%
QC value within limits for Cd 228.802 Recovery = 102.50%								
Co 228.616†	53739.1	2.099	mg/L	0.0042	2.099	mg/L	0.0042	0.20%
QC value within limits for Co 228.616 Recovery = 104.94%								
Cr 267.716†	104503.4	2.077	mg/L	0.0022	2.077	mg/L	0.0022	0.10%
QC value within limits for Cr 267.716 Recovery = 103.87%								
Cu 327.393†	293082.5	2.049	mg/L	0.0039	2.049	mg/L	0.0039	0.19%
QC value within limits for Cu 327.393 Recovery = 102.43%								
Fe 238.204†	1624.5	2.096	mg/L	0.0267	2.096	mg/L	0.0267	1.27%
QC value within limits for Fe 238.204 Recovery = 104.80%								
K 766.490†	3911.7	1.962	mg/L	0.0340	1.962	mg/L	0.0340	1.73%
QC value within limits for K 766.490 Recovery = 98.09%								
Mg 285.213†	40143.8	2.016	mg/L	0.0040	2.016	mg/L	0.0040	0.20%
QC value within limits for Mg 285.213 Recovery = 100.81%								
Mn 257.610†	51373.9	2.063	mg/L	0.0036	2.063	mg/L	0.0036	0.18%
QC value within limits for Mn 257.610 Recovery = 103.14%								
Mo 202.031†	30890.3	2.061	mg/L	0.0172	2.061	mg/L	0.0172	0.84%
QC value within limits for Mo 202.031 Recovery = 103.03%								
Na 589.592†	22028.1	2.022	mg/L	0.0085	2.022	mg/L	0.0085	0.42%
QC value within limits for Na 589.592 Recovery = 101.10%								
Ni 231.604†	46728.5	2.101	mg/L	0.0019	2.101	mg/L	0.0019	0.09%
QC value greater than the upper limit for Ni 231.604 Recovery = 105.05% 6010 ok								
Pb 220.353†	6347.4	2.118	mg/L	0.0193	2.118	mg/L	0.0193	0.91%
QC value greater than the upper limit for Pb 220.353 Recovery = 105.91% 6010 ok								
Sb 206.836†	4282.0	2.020	mg/L	0.0188	2.020	mg/L	0.0188	0.93%
QC value within limits for Sb 206.836 Recovery = 100.99%								
Se 196.026†	2411.2	2.054	mg/L	0.0221	2.054	mg/L	0.0221	1.08%
QC value within limits for Se 196.026 Recovery = 102.70%								
Sn 189.927†	9850.6	2.092	mg/L	0.0201	2.092	mg/L	0.0201	0.96%
QC value within limits for Sn 189.927 Recovery = 104.59%								
Ti 337.279†	83743.8	2.030	mg/L	0.0044	2.030	mg/L	0.0044	0.22%
QC value within limits for Ti 337.279 Recovery = 101.49%								
Tl 351.924†	2865.9	1.024	mg/L	0.0088	1.024	mg/L	0.0088	0.86%
QC value within limits for Tl 351.924 Recovery = 102.39%								
V 290.880†	136525.6	2.050	mg/L	0.0016	2.050	mg/L	0.0016	0.08%
QC value within limits for V 290.880 Recovery = 102.50%								
Zn 206.200†	47739.5	2.099	mg/L	0.0077	2.099	mg/L	0.0077	0.37%

QC value within limits for Zn 206.200 Recovery = 104.94%

Zr 343.823†	513100.1	2.024 mg/L	0.0047	2.024 mg/L	0.0047	0.23%

QC value within limits for Zr 343.823 Recovery = 101.20%
QC Failed. Continue with analysis.

Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/14/2022 11:42:14 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Sequence No.: 1 **Autosampler Location: 9**
Sample ID: SEQ-ICV@Pb@ 2201355 **Date Collected: 4/14/2022 8:49:24 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:18 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-ICV@Pb@ 2201355

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	321186.1	96.0	%	0.84				0.87%
Y axial	3008185.1	100	%	0.65				0.65%
Ag 328.068†	45.0	0.0005	mg/L	0.00008	0.0005	mg/L	0.00008	14.40%
Al 396.153†	2.7	0.0004	mg/L	0.00382	0.0004	mg/L	0.00382	>999.9%
As 188.979†	4.8	0.0039	mg/L	0.00346	0.0039	mg/L	0.00346	88.74%
B 208.889†	35.1	0.0048	mg/L	0.00067	0.0048	mg/L	0.00067	13.96%
Ba 233.527†	1.1	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	699.73%
Be 313.107†	5.1	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	144.71%
Ca 317.933†	-103.3	-0.0085	mg/L	0.00449	-0.0085	mg/L	0.00449	52.97%
Cd 228.802†	-5.2	-0.0003	mg/L	0.00007	-0.0003	mg/L	0.00007	25.27%
Co 228.616†	-5.4	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	30.60%
Cr 267.716†	14.6	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	11.58%
Cu 327.393†	94.7	0.0007	mg/L	0.00014	0.0007	mg/L	0.00014	21.00%
Fe 238.204†	2.2	0.0028	mg/L	0.00353	0.0028	mg/L	0.00353	127.26%
K 766.490†	-122.5	-0.0614	mg/L	0.03146	-0.0614	mg/L	0.03146	51.20%
Mg 285.213†	47.0	0.0024	mg/L	0.00017	0.0024	mg/L	0.00017	6.93%
Mn 257.610†	-8.2	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	56.10%
Mo 202.031†	6.4	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	29.80%
Na 589.592†	-384.3	-0.0353	mg/L	0.00287	-0.0353	mg/L	0.00287	8.12%
Ni 231.604†	-8.1	-0.0004	mg/L	0.00037	-0.0004	mg/L	0.00037	100.06%
Pb 220.353†	3109.8	1.036	mg/L	0.0177	1.036	mg/L	0.0177	1.71%
QC value within limits for Pb 220.353 Recovery = 103.63%								
Sb 206.836†	1.3	0.0006	mg/L	0.00045	0.0006	mg/L	0.00045	71.97%
Se 196.026†	-5.7	-0.0048	mg/L	0.00311	-0.0048	mg/L	0.00311	64.44%

Sn 189.927†	-0.3	-0.0000 mg/L	0.00061	-0.0000 mg/L	0.00061	>999.9%
Ti 337.279†	77.0	0.0019 mg/L	0.00041	0.0019 mg/L	0.00041	21.84%
Tl 351.924†	19.9	0.0072 mg/L	0.01433	0.0072 mg/L	0.01433	198.75%
V 290.880†	-74.2	-0.0011 mg/L	0.00065	-0.0011 mg/L	0.00065	58.84%
Zn 206.200†	-1.6	-0.0001 mg/L	0.00010	-0.0001 mg/L	0.00010	141.60%
Zr 343.823†	83.5	0.0003 mg/L	0.00022	0.0003 mg/L	0.00022	66.11%

All analyte(s) passed QC.

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: SEQ-ICB@ 2111294 **Date Collected: 4/14/2022 8:57:07 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:24 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-ICB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	318665.8	95.2	%	1.11				1.17%
Y axial	3018189.3	101	%	1.20				1.19%
Ag 328.068†	23.4	0.0003	mg/L	0.00023	0.0003	mg/L	0.00023	83.55%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	18.9	0.0027	mg/L	0.00374	0.0027	mg/L	0.00374	140.31%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	6.3	0.0052	mg/L	0.00347	0.0052	mg/L	0.00347	66.88%
QC value greater than the upper limit for As 188.979 Recovery = Not calculated								
B 208.889†	19.5	0.0027	mg/L	0.00110	0.0027	mg/L	0.00110	40.82%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-4.4	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	237.40%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	46.6	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	16.12%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-10.3	-0.0008	mg/L	0.00274	-0.0008	mg/L	0.00274	322.56%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	-3.0	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	24.14%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-1.5	-0.0001	mg/L	0.00019	-0.0001	mg/L	0.00019	301.41%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-7.7	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012	76.95%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	92.7	0.0006	mg/L				0.0006 mg/L	0.00068 105.80%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	3.9	0.0050	mg/L	0.00188	0.0050	mg/L	0.00188	37.36%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-93.3	-0.0468	mg/L	0.04937	-0.0468	mg/L	0.04937	105.55%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	23.3	0.0012	mg/L	0.00029	0.0012	mg/L	0.00029	24.63%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-17.4	-0.0007	mg/L	0.00025	-0.0007	mg/L	0.00025	35.69%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.0	-0.0001	mg/L	0.00026	-0.0001	mg/L	0.00026	387.43%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-428.4	-0.0393	mg/L	0.00437	-0.0393	mg/L	0.00437	11.12%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.2	-0.0000	mg/L	0.00029	-0.0000	mg/L	0.00029	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.9	0.0003	mg/L	0.00168	0.0003	mg/L	0.00168	589.42%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.9	0.0037	mg/L	0.00095	0.0037	mg/L	0.00095	25.49%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.5	-0.0004	mg/L	0.00207	-0.0004	mg/L	0.00207	528.50%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.6	-0.0001	mg/L	0.00195	-0.0001	mg/L	0.00195	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	60.1	0.0015	mg/L	0.00057	0.0015	mg/L	0.00057	39.14%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	5.6	0.0020	mg/L	0.00143	0.0020	mg/L	0.00143	70.23%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	-91.6	-0.0014	mg/L	0.00016	-0.0014	mg/L	0.00016	11.54%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	1.0	0.0000	mg/L	0.00031	0.0000	mg/L	0.00031	659.41%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	44.7	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	143.17%

QC Failed. Continue with analysis.

QNW 041422

Sequence No.: 2 **Autosampler Location: 1**
Sample ID: SEQ-ICB@ 2111294 **Date Collected: 4/14/2022 9:07:14 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:24 AM**

Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-ICB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	319998.0	95.6	%	1.88				1.96%
Y axial	3008427.1	100	%	1.41				1.41%
Ag 328.068†	7.2	0.0001	mg/L	0.00037	0.0001	mg/L	0.00037	466.38%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	34.8	0.0049	mg/L	0.00517	0.0049	mg/L	0.00517	105.93%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.6	0.0037	mg/L	0.00228	0.0037	mg/L	0.00228	60.72%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	7.3	0.0010	mg/L	0.00027	0.0010	mg/L	0.00027	27.26%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-0.6	-0.0000	mg/L	0.00004	-0.0000	mg/L	0.00004	334.58%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	13.3	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	221.71%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-5.9	-0.0005	mg/L	0.00425	-0.0005	mg/L	0.00425	879.25%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	1.9	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	353.73%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-3.0	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	140.55%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-3.3	-0.0001	mg/L	0.00024	-0.0001	mg/L	0.00024	364.84%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	74.9	0.0005	mg/L	0.00022	0.0005	mg/L	0.00022	41.47%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	6.2	0.0079	mg/L	0.00244	0.0079	mg/L	0.00244	30.76%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-101.3	-0.0508	mg/L	0.04026	-0.0508	mg/L	0.04026	79.26%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	34.9	0.0018	mg/L	0.00029	0.0018	mg/L	0.00029	16.50%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-11.4	-0.0005	mg/L	0.00029	-0.0005	mg/L	0.00029	63.12%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.5	0.0001	mg/L	0.00038	0.0001	mg/L	0.00038	384.68%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-393.0	-0.0361	mg/L	0.00196	-0.0361	mg/L	0.00196	5.43%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.6	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	281.85%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	2.0	0.0007	mg/L	0.00237	0.0007	mg/L	0.00237	362.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	8.0	0.0038	mg/L	0.00253	0.0038	mg/L	0.00253	66.34%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-3.0	-0.0025	mg/L	0.00668	-0.0025	mg/L	0.00668	263.38%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.2	0.0001	mg/L	0.00202	0.0001	mg/L	0.00202	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	12.2	0.0003	mg/L	0.00091	0.0003	mg/L	0.00091	309.71%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	2.5	0.0009	mg/L	0.00263	0.0009	mg/L	0.00263	287.81%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	-96.3	-0.0014	mg/L	0.00016	-0.0014	mg/L	0.00016	11.33%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	2.3	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	161.84%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	49.3	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	104.22%

All analyte(s) passed QC.

Sequence No.: 1 **Autosampler Location: 10**
Sample ID: SEQ-LCV@ 2202321 **Date Collected: 4/14/2022 9:13:29 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:29 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-LCV@ 2202321

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	318167.2	95.1	%	1.94				2.04%
Y axial	3000236.7	99.9	%	0.81				0.81%
Ag 328.068†	875.7	0.0105	mg/L	0.00047	0.0105	mg/L	0.00047	4.52%
QC value within limits for Ag 328.068 Recovery = 104.79%								
Al 396.153†	396.5	0.0531	mg/L	0.00322	0.0531	mg/L	0.00322	6.07%
QC value within limits for Al 396.153 Recovery = 106.26%								
As 188.979†	16.3	0.0134	mg/L	0.00142	0.0134	mg/L	0.00142	10.64%
QC value greater than the upper limit for As 188.979 Recovery = 133.72% rerun As								
B 208.889†	723.7	0.0970	mg/L	0.00054	0.0970	mg/L	0.00054	0.56%
QC value within limits for B 208.889 Recovery = 96.96%								
Ba 233.527†	2878.1	0.0537	mg/L	0.00028	0.0537	mg/L	0.00028	0.52%
QC value within limits for Ba 233.527 Recovery = 107.41%								
Be 313.107†	1274.0	0.0045	mg/L	0.00016	0.0045	mg/L	0.00016	3.56%
QC value within limits for Be 313.107 Recovery = 111.82%								
Ca 317.933†	6462.7	0.5307	mg/L	0.00305	0.5307	mg/L	0.00305	0.57%
QC value within limits for Ca 317.933 Recovery = 106.15%								
Cd 228.802†	102.8	0.0042	mg/L	0.00011	0.0042	mg/L	0.00011	2.57%
QC value within limits for Cd 228.802 Recovery = 103.90%								
Co 228.616†	271.5	0.0106	mg/L	0.00028	0.0106	mg/L	0.00028	2.60%
QC value within limits for Co 228.616 Recovery = 105.85%								
Cr 267.716†	538.5	0.0107	mg/L	0.00005	0.0107	mg/L	0.00005	0.43%
QC value within limits for Cr 267.716 Recovery = 107.10%								
Cu 327.393†	1604.4	0.0112	mg/L	0.00023	0.0112	mg/L	0.00023	2.05%
QC value within limits for Cu 327.393 Recovery = 112.01%								
Fe 238.204†	44.1	0.0568	mg/L	0.00112	0.0568	mg/L	0.00112	1.97%
QC value within limits for Fe 238.204 Recovery = 113.62%								
K 766.490†	4105.5	2.059	mg/L	0.0130	2.059	mg/L	0.0130	0.63%
QC value within limits for K 766.490 Recovery = 102.95%								
Mg 285.213†	1085.0	0.0555	mg/L	0.00116	0.0555	mg/L	0.00116	2.08%
QC value within limits for Mg 285.213 Recovery = 111.02%								
Mn 257.610†	249.0	0.0100	mg/L	0.00026	0.0100	mg/L	0.00026	2.60%
QC value within limits for Mn 257.610 Recovery = 100.42%								
Mo 202.031†	799.8	0.0534	mg/L	0.00076	0.0534	mg/L	0.00076	1.42%
QC value within limits for Mo 202.031 Recovery = 106.71%								
Na 589.592†	22248.8	2.042	mg/L	0.0078	2.042	mg/L	0.0078	0.38%
QC value within limits for Na 589.592 Recovery = 102.11%								
Ni 231.604†	235.2	0.0106	mg/L	0.00012	0.0106	mg/L	0.00012	1.15%
QC value within limits for Ni 231.604 Recovery = 105.68%								
Pb 220.353†	35.4	0.0119	mg/L	0.00055	0.0119	mg/L	0.00055	4.65%
QC value within limits for Pb 220.353 Recovery = 118.99%								
Sb 206.836†	92.1	0.0441	mg/L	0.00124	0.0441	mg/L	0.00124	2.82%
QC value within limits for Sb 206.836 Recovery = 88.14%								
Se 196.026†	60.5	0.0515	mg/L	0.00319	0.0515	mg/L	0.00319	6.20%
QC value within limits for Se 196.026 Recovery = 102.98%								
Sn 189.927†	486.9	0.1030	mg/L	0.00090	0.1030	mg/L	0.00090	0.87%
QC value within limits for Sn 189.927 Recovery = 103.02%								
Ti 337.279†	910.9	0.0221	mg/L	0.00139	0.0221	mg/L	0.00139	6.28%
QC value within limits for Ti 337.279 Recovery = 110.50%								
Tl 351.924†	144.7	0.0523	mg/L	0.00148	0.0523	mg/L	0.00148	2.82%
QC value within limits for Tl 351.924 Recovery = 104.62%								
V 290.880†	612.3	0.0094	mg/L	0.00030	0.0094	mg/L	0.00030	3.22%
QC value within limits for V 290.880 Recovery = 94.09%								
Zn 206.200†	238.7	0.0105	mg/L	0.00003	0.0105	mg/L	0.00003	0.24%
QC value within limits for Zn 206.200 Recovery = 104.81%								
Zr 343.823†	139.5	0.0005	mg/L	0.00024	0.0005	mg/L	0.00024	43.82%

QC Failed. Continue with analysis.

Sequence No.: 1 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 9:21:13 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:34 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	322840.8	96.4	%	0.96				0.99%
Y axial	2946643.4	98.2	%	0.87				0.89%
Ag 328.068†	210907.9	2.509	mg/L	0.0418	2.509	mg/L	0.0418	1.67%
QC value within limits for Ag 328.068 Recovery = 100.34%								
Al 396.153†	71907.3	9.802	mg/L	0.0141	9.802	mg/L	0.0141	0.14%
QC value within limits for Al 396.153 Recovery = 98.02%								
As 188.979†	5923.3	4.871	mg/L	0.0162	4.871	mg/L	0.0162	0.33%
QC value within limits for As 188.979 Recovery = 97.42%								
B 208.889†	35828.6	4.680	mg/L	0.0640	4.680	mg/L	0.0640	1.37%
QC value within limits for B 208.889 Recovery = 93.60%								
Ba 233.527†	269685.8	5.035	mg/L	0.0104	5.035	mg/L	0.0104	0.21%
QC value within limits for Ba 233.527 Recovery = 100.71%								
Be 313.107†	1439830.1	5.090	mg/L	0.0101	5.090	mg/L	0.0101	0.20%
QC value within limits for Be 313.107 Recovery = 101.81%								
Ca 317.933†	123219.1	10.12	mg/L	0.027	10.12	mg/L	0.027	0.27%
QC value within limits for Ca 317.933 Recovery = 101.19%								
Cd 228.802†	120601.6	4.975	mg/L	0.0067	4.975	mg/L	0.0067	0.13%
QC value within limits for Cd 228.802 Recovery = 99.51%								
Co 228.616†	127843.7	4.993	mg/L	0.0081	4.993	mg/L	0.0081	0.16%
QC value within limits for Co 228.616 Recovery = 99.85%								
Cr 267.716†	252956.2	5.028	mg/L	0.0083	5.028	mg/L	0.0083	0.17%
QC value within limits for Cr 267.716 Recovery = 100.57%								
Cu 327.393†	707313.8	4.944	mg/L	0.0062	4.944	mg/L	0.0062	0.13%
QC value within limits for Cu 327.393 Recovery = 98.89%								
Fe 238.204†	3917.4	5.054	mg/L	0.0408	5.054	mg/L	0.0408	0.81%
QC value within limits for Fe 238.204 Recovery = 101.07%								
K 766.490†	20117.1	10.09	mg/L	0.118	10.09	mg/L	0.118	1.17%
QC value within limits for K 766.490 Recovery = 100.89%								
Mg 285.213†	197520.0	10.01	mg/L	0.011	10.01	mg/L	0.011	0.11%
QC value within limits for Mg 285.213 Recovery = 100.12%								
Mn 257.610†	124809.2	5.011	mg/L	0.0081	5.011	mg/L	0.0081	0.16%
QC value within limits for Mn 257.610 Recovery = 100.23%								
Mo 202.031†	75801.7	5.057	mg/L	0.0614	5.057	mg/L	0.0614	1.22%
QC value within limits for Mo 202.031 Recovery = 101.13%								
Na 589.592†	108004.9	9.914	mg/L	0.0298	9.914	mg/L	0.0298	0.30%
QC value within limits for Na 589.592 Recovery = 99.14%								
Ni 231.604†	111514.9	5.014	mg/L	0.0142	5.014	mg/L	0.0142	0.28%
QC value within limits for Ni 231.604 Recovery = 100.28%								
Pb 220.353†	15139.9	5.053	mg/L	0.0483	5.053	mg/L	0.0483	0.95%
QC value within limits for Pb 220.353 Recovery = 101.07%								
Sb 206.836†	10259.0	4.840	mg/L	0.0853	4.840	mg/L	0.0853	1.76%
QC value within limits for Sb 206.836 Recovery = 96.79%								
Se 196.026†	5768.5	4.914	mg/L	0.1067	4.914	mg/L	0.1067	2.17%
QC value within limits for Se 196.026 Recovery = 98.27%								
Sn 189.927†	23807.3	5.054	mg/L	0.0522	5.054	mg/L	0.0522	1.03%
QC value within limits for Sn 189.927 Recovery = 101.07%								
Ti 337.279†	205317.0	4.976	mg/L	0.0015	4.976	mg/L	0.0015	0.03%
QC value within limits for Ti 337.279 Recovery = 99.53%								
Tl 351.924†	6904.7	2.466	mg/L	0.0196	2.466	mg/L	0.0196	0.80%
QC value within limits for Tl 351.924 Recovery = 98.65%								
V 290.880†	334444.6	5.022	mg/L	0.0102	5.022	mg/L	0.0102	0.20%
QC value within limits for V 290.880 Recovery = 100.44%								
Zn 206.200†	113235.0	4.978	mg/L	0.0266	4.978	mg/L	0.0266	0.53%
QC value within limits for Zn 206.200 Recovery = 99.56%								
Zr 343.823†	1257184.3	4.959	mg/L	0.0066	4.959	mg/L	0.0066	0.13%

All analyte(s) passed QC.

Sequence No.: 2 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/14/2022 9:27:07 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:35 AM**

Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	310527.3	92.8	%	0.69				0.74%
Y axial	2730422.7	91.0	%	1.01				1.11%
Ag 328.068†	759.6	0.0091	mg/L	0.00072	0.0091	mg/L	0.00072	7.97%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1813785.9	254.8	mg/L	3.02	254.8	mg/L	3.02	1.19%
QC value within limits for Al 396.153 Recovery = 101.92%								
As 188.979†	-50.7	-0.0000	mg/L	0.00333	-0.0000	mg/L	0.00333	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	108.2	0.0158	mg/L	0.00064	0.0158	mg/L	0.00064	4.08%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	162.4	0.0030	mg/L	0.00014	0.0030	mg/L	0.00014	4.75%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	57.4	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	36.30%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	3025210.0	248.4	mg/L	3.04	248.4	mg/L	3.04	1.22%
QC value within limits for Ca 317.933 Recovery = 99.38%								
Cd 228.802†	-18.0	0.0012	mg/L	0.00023	0.0012	mg/L	0.00023	19.90%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	18.4	0.0007	mg/L	0.00034	0.0007	mg/L	0.00034	47.22%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-157.6	0.0024	mg/L	0.00050	0.0024	mg/L	0.00050	21.13%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-355.4	-0.0025	mg/L	0.00023	-0.0025	mg/L	0.00023	9.33%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	73994.7	95.24	mg/L	0.668	95.24	mg/L	0.668	0.70%
QC value within limits for Fe 238.204 Recovery = 95.24%								
K 766.490†	-32.6	-0.0163	mg/L	0.01064	-0.0163	mg/L	0.01064	65.10%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4568129.6	233.7	mg/L	2.78	233.7	mg/L	2.78	1.19%
QC value within limits for Mg 285.213 Recovery = 93.47%								
Mn 257.610†	-120.5	0.0003	mg/L	0.00059	0.0003	mg/L	0.00059	181.03%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-264.0	-0.0176	mg/L	0.00048	-0.0176	mg/L	0.00048	2.72%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	1182.8	0.1086	mg/L	0.00847	0.1086	mg/L	0.00847	7.80%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.3	0.0002	mg/L	0.00038	0.0002	mg/L	0.00038	192.66%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-51.6	0.0121	mg/L	0.00153	0.0121	mg/L	0.00153	12.71%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	67.4	0.0325	mg/L	0.00671	0.0325	mg/L	0.00671	20.61%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-104.0	-0.0086	mg/L	0.00899	-0.0086	mg/L	0.00899	104.76%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1350.3	0.1920	mg/L	0.00113	0.1920	mg/L	0.00113	0.59%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	55.7	0.0013	mg/L	0.00018	0.0013	mg/L	0.00018	13.70%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-184.3	-0.0140	mg/L	0.00139	-0.0140	mg/L	0.00139	9.94%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	245.6	-0.0079	mg/L	0.00135	-0.0079	mg/L	0.00135	16.94%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	0.6	0.0164	mg/L	0.00063	0.0164	mg/L	0.00063	3.82%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	912.0	0.0008	mg/L	0.00012	0.0008	mg/L	0.00012	15.77%

All analyte(s) passed QC.

Sequence No.: 3 **Autosampler Location: 12**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/14/2022 9:33:09 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:36 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	304364.3	90.9	%	0.51				0.57%
Y axial	2699182.8	89.9	%	0.63				0.70%
Ag 328.068†	89210.9	1.066	mg/L	0.0048	1.066	mg/L	0.0048	0.45%
QC value within limits for Ag 328.068 Recovery = 106.62%								
Al 396.153†	1828853.6	256.9	mg/L	0.07	256.9	mg/L	0.07	0.03%
QC value within limits for Al 396.153 Recovery = 102.76%								
As 188.979†	-48.2	0.0043	mg/L	0.00532	0.0043	mg/L	0.00532	123.86%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	85.8	0.0127	mg/L	0.00112	0.0127	mg/L	0.00112	8.78%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	26901.5	0.5023	mg/L	0.00207	0.5023	mg/L	0.00207	0.41%
QC value within limits for Ba 233.527 Recovery = 100.46%								
Be 313.107†	149986.3	0.5299	mg/L	0.00098	0.5299	mg/L	0.00098	0.18%
QC value within limits for Be 313.107 Recovery = 105.98%								
Ca 317.933†	3071914.4	252.3	mg/L	0.15	252.3	mg/L	0.15	0.06%
QC value within limits for Ca 317.933 Recovery = 100.91%								
Cd 228.802†	24710.1	1.032	mg/L	0.0096	1.032	mg/L	0.0096	0.93%
QC value within limits for Cd 228.802 Recovery = 103.18%								
Co 228.616†	11719.1	0.4584	mg/L	0.00321	0.4584	mg/L	0.00321	0.70%
QC value within limits for Co 228.616 Recovery = 91.69%								
Cr 267.716†	24540.2	0.4935	mg/L	0.00278	0.4935	mg/L	0.00278	0.56%
QC value within limits for Cr 267.716 Recovery = 98.70%								
Cu 327.393†	75183.6	0.5221	mg/L	0.00420	0.5221	mg/L	0.00420	0.81%
QC value within limits for Cu 327.393 Recovery = 104.43%								
Fe 238.204†	75024.4	96.57	mg/L	1.314	96.57	mg/L	1.314	1.36%
QC value within limits for Fe 238.204 Recovery = 96.57%								
K 766.490†	-67.5	-0.0338	mg/L	0.01182	-0.0338	mg/L	0.01182	34.92%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4627470.7	236.7	mg/L	0.18	236.7	mg/L	0.18	0.07%
QC value within limits for Mg 285.213 Recovery = 94.68%								
Mn 257.610†	12181.0	0.4938	mg/L	0.00701	0.4938	mg/L	0.00701	1.42%
QC value within limits for Mn 257.610 Recovery = 98.77%								
Mo 202.031†	-277.9	-0.0185	mg/L	0.00095	-0.0185	mg/L	0.00095	5.12%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	1256.2	0.1153	mg/L	0.00247	0.1153	mg/L	0.00247	2.14%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	20090.8	0.9035	mg/L	0.00440	0.9035	mg/L	0.00440	0.49%
QC value within limits for Ni 231.604 Recovery = 90.35%								
Pb 220.353†	2826.3	0.9708	mg/L	0.00642	0.9708	mg/L	0.00642	0.66%
QC value within limits for Pb 220.353 Recovery = 97.08%								
Sb 206.836†	58.0	0.0219	mg/L	0.00777	0.0219	mg/L	0.00777	35.45%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-109.7	-0.0114	mg/L	0.01977	-0.0114	mg/L	0.01977	174.11%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1395.3	0.2003	mg/L	0.00513	0.2003	mg/L	0.00513	2.56%
QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	55.7	0.0013	mg/L	0.00069	0.0013	mg/L	0.00069	51.08%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-182.3	-0.0146	mg/L	0.00310	-0.0146	mg/L	0.00310	21.23%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	33806.5	0.4934	mg/L	0.00297	0.4934	mg/L	0.00297	0.60%
QC value within limits for V 290.880 Recovery = 98.67%								
Zn 206.200†	21362.0	0.9574	mg/L	0.00788	0.9574	mg/L	0.00788	0.82%
QC value within limits for Zn 206.200 Recovery = 95.74%								
Zr 343.823†	877.5	0.0006	mg/L	0.00011	0.0006	mg/L	0.00011	17.73%

QC Failed. Continue with analysis.

No Sn reported from this run

Sequence No.: 1 **Autosampler Location: 13**
Sample ID: SEQ-LCV@RR **Date Collected: 4/14/2022 9:56:00 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:50 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-LCV@RR

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	319302.6	95.4	%	1.35				1.41%
Y axial	3040135.1	101	%	1.41				1.40%
Ag 328.068†	17.9	0.0002	mg/L	0.00048	0.0002	mg/L	0.00048	231.08%
Al 396.153†	34.7	0.0049	mg/L	0.00708	0.0049	mg/L	0.00708	145.50%
As 188.979†	14.3	0.0117	mg/L	0.00050	0.0117	mg/L	0.00050	4.29%
QC value within limits for As 188.979 Recovery = 117.23%								
B 208.889†	24.5	0.0034	mg/L	0.00085	0.0034	mg/L	0.00085	25.06%
Ba 233.527†	13.5	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.14%
Be 313.107†	-22.0	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	123.26%
Ca 317.933†	-92.9	-0.0076	mg/L	0.00172	-0.0076	mg/L	0.00172	22.60%
Cd 228.802†	2.0	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	140.23%
Co 228.616†	6.8	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	17.83%
Cr 267.716†	-5.0	-0.0001	mg/L	0.00013	-0.0001	mg/L	0.00013	128.70%
Cu 327.393†	68.0	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	24.06%
Fe 238.204†	3.6	0.0046	mg/L	0.00226	0.0046	mg/L	0.00226	48.87%
K 766.490†	-152.6	-0.0765	mg/L	0.02321	-0.0765	mg/L	0.02321	30.32%
Mg 285.213†	77.3	0.0040	mg/L	0.00065	0.0040	mg/L	0.00065	16.36%
Mn 257.610†	-18.6	-0.0007	mg/L	0.00017	-0.0007	mg/L	0.00017	23.40%
Mo 202.031†	0.6	0.0000	mg/L	0.00031	0.0000	mg/L	0.00031	738.65%
Na 589.592†	-299.7	-0.0275	mg/L	0.00164	-0.0275	mg/L	0.00164	5.95%
Ni 231.604†	12.0	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	36.27%
Pb 220.353†	0.6	0.0002	mg/L	0.00291	0.0002	mg/L	0.00291	>999.9%
Sb 206.836†	8.3	0.0040	mg/L	0.00276	0.0040	mg/L	0.00276	69.78%
Se 196.026†	-5.0	-0.0042	mg/L	0.00367	-0.0042	mg/L	0.00367	86.83%
Sn 189.927†	1.2	0.0003	mg/L	0.00093	0.0003	mg/L	0.00093	351.68%
Ti 337.279†	41.4	0.0010	mg/L	0.00205	0.0010	mg/L	0.00205	204.04%
Tl 351.924†	3.7	0.0014	mg/L	0.01435	0.0014	mg/L	0.01435	>999.9%
V 290.880†	-76.6	-0.0011	mg/L	0.00038	-0.0011	mg/L	0.00038	32.98%
Zn 206.200†	-15.5	-0.0007	mg/L	0.00003	-0.0007	mg/L	0.00003	4.08%
Zr 343.823†	15.3	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	271.80%

All analyte(s) passed QC.

Sequence No.: 1 **Autosampler Location: 37**
Sample ID: SEQ-HCV1@100 **Date Collected: 4/14/2022 10:01:55 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:56 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-HCV1@100

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	318308.2	95.1	%	0.26				0.28%
Y axial	2840273.0	94.6	%	0.70				0.74%
Ag 328.068†	-32864.7	-0.0059	mg/L	0.00091	-0.0059	mg/L	0.00091	15.46%
Al 396.153†	728350.2	102.3	mg/L	0.12	102.3	mg/L	0.12	0.12%
QC value within limits for Al 396.153 Recovery = 102.33%								
As 188.979†	111684.6	91.84	mg/L	0.608	91.84	mg/L	0.608	0.66%
QC value within limits for As 188.979 Recovery = 91.84%								
B 208.889†	-143.8	-0.0170	mg/L	0.00122	-0.0170	mg/L	0.00122	7.19%
Ba 233.527†	4683682.8	87.46	mg/L	0.238	87.46	mg/L	0.238	0.27%
QC value less than the lower limit for Ba 233.527 Recovery = 87.46%								
Be 313.107†	26513053.8	93.60	mg/L	0.616	93.60	mg/L	0.616	0.66%
QC value within limits for Be 313.107 Recovery = 93.60%								
Ca 317.933†	1397.4	0.1148	mg/L	0.00527	0.1148	mg/L	0.00527	4.59%
Cd 228.802†	1810975.8	74.57	mg/L	0.107	74.57	mg/L	0.107	0.14%
QC value less than the lower limit for Cd 228.802 Recovery = 74.57%								
Co 228.616†	2411076.0	94.33	mg/L	0.284	94.33	mg/L	0.284	0.30%
QC value within limits for Co 228.616 Recovery = 94.33%								
Cr 267.716†	4839777.2	96.23	mg/L	0.275	96.23	mg/L	0.275	0.29%
QC value within limits for Cr 267.716 Recovery = 96.23%								
Cu 327.393†	14875592.9	103.3	mg/L	0.64	103.3	mg/L	0.64	0.61%
QC value within limits for Cu 327.393 Recovery = 103.31%								
Fe 238.204†	75963.7	98.04	mg/L	0.610	98.04	mg/L	0.610	0.62%
QC value within limits for Fe 238.204 Recovery = 98.04%								
K 766.490†	-106.7	-0.0535	mg/L	0.03185	-0.0535	mg/L	0.03185	59.53%
Mg 285.213†	-1781.6	0.0578	mg/L	0.00186	0.0578	mg/L	0.00186	3.21%
Mn 257.610†	2361674.6	94.74	mg/L	0.106	94.74	mg/L	0.106	0.11%
QC value within limits for Mn 257.610 Recovery = 94.74%								
Mo 202.031†	-843.7	-0.0563	mg/L	0.00024	-0.0563	mg/L	0.00024	0.43%
Na 589.592†	177.7	0.0163	mg/L	0.00283	0.0163	mg/L	0.00283	17.37%
Ni 231.604†	2113188.6	94.93	mg/L	0.208	94.93	mg/L	0.208	0.22%
QC value within limits for Ni 231.604 Recovery = 94.93%								
Pb 220.353†	288358.0	95.98	mg/L	0.287	95.98	mg/L	0.287	0.30%
QC value within limits for Pb 220.353 Recovery = 95.98%								
Sb 206.836†	2492.3	-0.2104	mg/L	0.01217	-0.2104	mg/L	0.01217	5.79%
Se 196.026†	122095.7	104.0	mg/L	0.62	104.0	mg/L	0.62	0.60%
QC value within limits for Se 196.026 Recovery = 103.98%								
Sn 189.927†	-136.2	-0.0288	mg/L	0.00049	-0.0288	mg/L	0.00049	1.70%
Ti 337.279†	-45.5	-0.0011	mg/L	0.00056	-0.0011	mg/L	0.00056	50.07%
Tl 351.924†	302619.9	109.3	mg/L	0.71	109.3	mg/L	0.71	0.65%
QC value within limits for Tl 351.924 Recovery = 109.27%								
V 290.880†	6713140.2	100.3	mg/L	0.35	100.3	mg/L	0.35	0.35%
QC value within limits for V 290.880 Recovery = 100.30%								
Zn 206.200†	2026081.3	89.07	mg/L	0.236	89.07	mg/L	0.236	0.26%
QC value less than the lower limit for Zn 206.200 Recovery = 89.07%								
Zr 343.823†	-525.7	-0.0050	mg/L	0.00033	-0.0050	mg/L	0.00033	6.59%

QC Failed. Continue with analysis.

Sequence No.: 2 **Autosampler Location: 36**
Sample ID: SEQ-HCV2@500/100 **Date Collected: 4/14/2022 10:09:02 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:42:57 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-HCV2@500/100

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	286312.2	85.5	%	0.53				0.62%

Y axial	2423943.3	80.7 %	0.24			0.30%
Ag 328.068†	207.3	0.0025 mg/L	0.00083	0.0025 mg/L	0.00083	32.66%
Al 396.153†	3715623.8	522.0 mg/L	2.00	522.0 mg/L	2.00	0.38%
QC value within limits for Al 396.153 Recovery = 104.39%						
As 188.979†	-122.3	0.0559 mg/L	0.00083	0.0559 mg/L	0.00083	1.48%
B 208.889†	651531.6	89.69 mg/L	0.081	89.69 mg/L	0.081	0.09%
Ba 233.527†	837.8	0.0157 mg/L	0.00053	0.0157 mg/L	0.00053	3.36%
Be 313.107†	2067.5	0.0071 mg/L	0.00008	0.0071 mg/L	0.00008	1.18%
Ca 317.933†	5980122.3	491.1 mg/L	2.09	491.1 mg/L	2.09	0.43%
QC value within limits for Ca 317.933 Recovery = 98.22%						
Cd 228.802†	7.1	0.0080 mg/L	0.00096	0.0080 mg/L	0.00096	12.03%
Co 228.616†	460.6	0.0180 mg/L	0.00052	0.0180 mg/L	0.00052	2.87%
Cr 267.716†	-949.2	0.0059 mg/L	0.00113	0.0059 mg/L	0.00113	19.06%
Cu 327.393†	1243.5	0.0087 mg/L	0.00274	0.0087 mg/L	0.00274	31.56%
Fe 238.204†	333896.5	429.9 mg/L	1.66	429.9 mg/L	1.66	0.39%
QC value less than the lower limit for Fe 238.204 Recovery = 85.99%						
K 766.490†	436728.3	219.0 mg/L	0.90	219.0 mg/L	0.90	0.41%
QC value within limits for K 766.490 Recovery = 109.51%						
Mg 285.213†	3789914.9	193.9 mg/L	0.75	193.9 mg/L	0.75	0.39%
QC value within limits for Mg 285.213 Recovery = 96.97%						
Mn 257.610†	-837.5	-0.0103 mg/L	0.00305	-0.0103 mg/L	0.00305	29.61%
Mo 202.031†	-866.0	-0.0578 mg/L	0.00115	-0.0578 mg/L	0.00115	1.99%
Na 589.592†	5441006.6	499.4 mg/L	2.13	499.4 mg/L	2.13	0.43%
QC value within limits for Na 589.592 Recovery = 99.89%						
Ni 231.604†	456.8	0.0207 mg/L	0.00080	0.0207 mg/L	0.00080	3.87%
Pb 220.353†	26.4	0.0436 mg/L	0.00905	0.0436 mg/L	0.00905	20.77%
Sb 206.836†	126.6	0.0614 mg/L	0.00493	0.0614 mg/L	0.00493	8.04%
Se 196.026†	-509.5	-0.0726 mg/L	0.01962	-0.0726 mg/L	0.01962	27.02%
Sn 189.927†	1357.7	0.2095 mg/L	0.01008	0.2095 mg/L	0.01008	4.81%
Ti 337.279†	61.2	0.0015 mg/L	0.00064	0.0015 mg/L	0.00064	43.71%
Tl 351.924†	-920.8	-0.0955 mg/L	0.00458	-0.0955 mg/L	0.00458	4.80%
V 290.880†	2579.2	0.0095 mg/L	0.00081	0.0095 mg/L	0.00081	8.59%
Zn 206.200†	812.4	0.0642 mg/L	0.00151	0.0642 mg/L	0.00151	2.35%
Zr 343.823†	4017.7	0.0032 mg/L	0.00020	0.0032 mg/L	0.00020	6.26%

QC Failed. Continue with analysis.

Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/14/2022 11:43:03 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Sequence No.: 1 **Autosampler Location: 25**
Sample ID: ICV-RR **Date Collected: 4/14/2022 10:25:33 AM**
Analyst: **Data Type: Reprocessed on 4/14/2022 11:44:14 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Replicate Data: ICV-RR

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y radial	311188.8	311188.8	93.0	%			10:26:53 AM
1	Y axial	2943497.6	2943497.6	98.1	%			10:28:22 AM
1	Ag 328.068†	73438.3	74980.9	0.8945	mg/L	0.8945	mg/L	10:30:09 AM
1	Al 396.153†	114.4	75.6	0.0106	mg/L	0.0106	mg/L	10:26:53 AM
1	As 188.979†	-44.3	7.0	0.0057	mg/L	0.0057	mg/L	10:28:45 AM
1	B 208.889†	769.8	757.0	0.1042	mg/L	0.1042	mg/L	10:28:45 AM
1	Ba 233.527†	-28.1	30.7	0.0006	mg/L	0.0006	mg/L	10:28:45 AM
1	Be 313.107†	1272.8	137.3	0.0005	mg/L	0.0005	mg/L	10:27:13 AM
1	Ca 317.933†	2087.5	112.1	0.0092	mg/L	0.0092	mg/L	10:26:53 AM
1	Cd 228.802†	78.1	15.2	0.0006	mg/L	0.0006	mg/L	10:28:45 AM
1	Co 228.616†	-167.4	5.2	0.0002	mg/L	0.0002	mg/L	10:28:45 AM
1	Cr 267.716†	196.5	24.8	0.0005	mg/L	0.0005	mg/L	10:28:45 AM
1	Cu 327.393†	105.3	383.8	0.0027	mg/L	0.0027	mg/L	10:28:24 AM
1	Fe 238.204†	6.8	14.7	0.0189	mg/L	0.0189	mg/L	10:27:13 AM
1	K 766.490†	281.2	-75.3	-0.0378	mg/L	-0.0378	mg/L	10:26:53 AM
1	Mg 285.213†	375.9	147.1	0.0075	mg/L	0.0075	mg/L	10:27:13 AM
1	Mn 257.610†	-171.9	-10.0	-0.0004	mg/L	-0.0004	mg/L	10:27:13 AM
1	Mo 202.031†	25.4	5.5	0.0004	mg/L	0.0004	mg/L	10:28:45 AM
1	Na 589.592†	1563.7	-155.2	-0.0142	mg/L	-0.0142	mg/L	10:26:53 AM
1	Ni 231.604†	39.1	0.5	0.0000	mg/L	0.0000	mg/L	10:28:45 AM
1	Pb 220.353†	54.9	8.5	0.0028	mg/L	0.0028	mg/L	10:28:45 AM
1	Sb 206.836†	29.9	5.0	0.0024	mg/L	0.0024	mg/L	10:28:45 AM
1	Se 196.026†	16.1	1.5	0.0013	mg/L	0.0013	mg/L	10:28:45 AM
1	Sn 189.927†	-83.0	0.9	0.0002	mg/L	0.0002	mg/L	10:28:45 AM

1	Ti 337.279†	-56.0	100.3	0.0024 mg/L	0.0024 mg/L	10:26:53 AM
1	Tl 351.924†	-4.3	15.0	0.0054 mg/L	0.0054 mg/L	10:28:24 AM
1	V 290.880†	1043.3	-128.4	-0.0019 mg/L	-0.0019 mg/L	10:28:24 AM
1	Zn 206.200†	-110.6	10.0	0.0004 mg/L	0.0004 mg/L	10:28:45 AM
1	Zr 343.823†	204.3	50.1	0.0002 mg/L	0.0002 mg/L	10:28:24 AM
2	Y radial	311158.9	311158.9	93.0 %		10:27:15 AM
2	Y axial	2917990.0	2917990.0	97.2 %		10:28:47 AM
2	Ag 328.068†	73197.8	75388.2	0.8994 mg/L	0.8994 mg/L	10:30:11 AM
2	Al 396.153†	118.0	79.5	0.0112 mg/L	0.0112 mg/L	10:27:15 AM
2	As 188.979†	-42.9	8.1	0.0066 mg/L	0.0066 mg/L	10:29:09 AM
2	B 208.889†	749.5	743.0	0.1023 mg/L	0.1023 mg/L	10:29:09 AM
2	Ba 233.527†	-24.0	34.6	0.0006 mg/L	0.0006 mg/L	10:29:09 AM
2	Be 313.107†	1250.8	113.7	0.0004 mg/L	0.0004 mg/L	10:27:35 AM
2	Ca 317.933†	2010.6	29.5	0.0024 mg/L	0.0024 mg/L	10:27:15 AM
2	Cd 228.802†	76.7	14.5	0.0005 mg/L	0.0005 mg/L	10:29:09 AM
2	Co 228.616†	-173.6	-2.7	-0.0001 mg/L	-0.0001 mg/L	10:29:09 AM
2	Cr 267.716†	191.8	21.7	0.0004 mg/L	0.0004 mg/L	10:29:09 AM
2	Cu 327.393†	73.5	352.1	0.0024 mg/L	0.0024 mg/L	10:28:49 AM
2	Fe 238.204†	3.3	10.9	0.0140 mg/L	0.0140 mg/L	10:27:35 AM
2	K 766.490†	273.2	-84.0	-0.0421 mg/L	-0.0421 mg/L	10:27:15 AM
2	Mg 285.213†	344.0	112.8	0.0058 mg/L	0.0058 mg/L	10:27:35 AM
2	Mn 257.610†	-165.1	-2.8	-0.0001 mg/L	-0.0001 mg/L	10:27:35 AM
2	Mo 202.031†	17.0	-2.9	-0.0002 mg/L	-0.0002 mg/L	10:29:09 AM
2	Na 589.592†	1655.9	-55.8	-0.0051 mg/L	-0.0051 mg/L	10:27:15 AM
2	Ni 231.604†	55.9	18.2	0.0008 mg/L	0.0008 mg/L	10:29:09 AM
2	Pb 220.353†	53.1	7.2	0.0024 mg/L	0.0024 mg/L	10:29:09 AM
2	Sb 206.836†	31.9	7.4	0.0035 mg/L	0.0035 mg/L	10:29:09 AM
2	Se 196.026†	16.9	2.5	0.0021 mg/L	0.0021 mg/L	10:29:09 AM
2	Sn 189.927†	-86.7	-3.6	-0.0008 mg/L	-0.0008 mg/L	10:29:09 AM
2	Ti 337.279†	-122.6	28.6	0.0007 mg/L	0.0007 mg/L	10:27:15 AM
2	Tl 351.924†	-42.0	-23.8	-0.0086 mg/L	-0.0086 mg/L	10:28:49 AM
2	V 290.880†	1079.6	-81.8	-0.0012 mg/L	-0.0012 mg/L	10:28:49 AM
2	Zn 206.200†	-106.9	12.8	0.0006 mg/L	0.0006 mg/L	10:29:09 AM
2	Zr 343.823†	156.2	2.4	0.0000 mg/L	0.0000 mg/L	10:28:49 AM
3	Y radial	309207.2	309207.2	92.4 %		10:27:37 AM
3	Y axial	2892070.4	2892070.4	96.3 %		10:29:11 AM
3	Ag 328.068†	72350.5	75183.6	0.8969 mg/L	0.8969 mg/L	10:30:13 AM
3	Al 396.153†	129.1	92.3	0.0130 mg/L	0.0130 mg/L	10:27:37 AM
3	As 188.979†	-43.7	6.8	0.0056 mg/L	0.0056 mg/L	10:29:33 AM
3	B 208.889†	744.5	744.7	0.1025 mg/L	0.1025 mg/L	10:29:33 AM
3	Ba 233.527†	-29.0	29.2	0.0005 mg/L	0.0005 mg/L	10:29:33 AM
3	Be 313.107†	1271.1	144.2	0.0005 mg/L	0.0005 mg/L	10:27:57 AM
3	Ca 317.933†	1978.6	8.6	0.0007 mg/L	0.0007 mg/L	10:27:37 AM
3	Cd 228.802†	77.9	16.4	0.0006 mg/L	0.0006 mg/L	10:29:33 AM
3	Co 228.616†	-171.3	-1.9	-0.0001 mg/L	-0.0001 mg/L	10:29:33 AM
3	Cr 267.716†	162.5	-6.9	-0.0001 mg/L	-0.0001 mg/L	10:29:33 AM
3	Cu 327.393†	51.7	330.1	0.0023 mg/L	0.0023 mg/L	10:29:13 AM
3	Fe 238.204†	-1.0	6.2	0.0080 mg/L	0.0080 mg/L	10:27:57 AM
3	K 766.490†	303.3	-49.5	-0.0248 mg/L	-0.0248 mg/L	10:27:37 AM
3	Mg 285.213†	352.1	123.8	0.0063 mg/L	0.0063 mg/L	10:27:57 AM
3	Mn 257.610†	-171.8	-11.2	-0.0004 mg/L	-0.0004 mg/L	10:27:57 AM
3	Mo 202.031†	23.6	4.0	0.0003 mg/L	0.0003 mg/L	10:29:33 AM
3	Na 589.592†	1695.2	-2.1	-0.0002 mg/L	-0.0002 mg/L	10:27:37 AM
3	Ni 231.604†	48.1	10.5	0.0005 mg/L	0.0005 mg/L	10:29:33 AM
3	Pb 220.353†	51.9	6.4	0.0021 mg/L	0.0021 mg/L	10:29:33 AM
3	Sb 206.836†	31.0	6.7	0.0032 mg/L	0.0032 mg/L	10:29:33 AM
3	Se 196.026†	-2.9	-18.0	-0.0153 mg/L	-0.0153 mg/L	10:29:33 AM
3	Sn 189.927†	-86.4	-4.2	-0.0009 mg/L	-0.0009 mg/L	10:29:33 AM
3	Ti 337.279†	-148.7	-0.5	-0.0000 mg/L	-0.0000 mg/L	10:27:37 AM
3	Tl 351.924†	-25.5	-7.0	-0.0025 mg/L	-0.0025 mg/L	10:29:13 AM
3	V 290.880†	1105.2	-45.3	-0.0007 mg/L	-0.0007 mg/L	10:29:13 AM
3	Zn 206.200†	-103.8	15.1	0.0007 mg/L	0.0007 mg/L	10:29:33 AM
3	Zr 343.823†	149.0	-3.7	-0.0000 mg/L	-0.0000 mg/L	10:29:13 AM
4	Y radial	305859.1	305859.1	91.4 %		10:27:59 AM
4	Y axial	2905717.3	2905717.3	96.8 %		10:29:35 AM
4	Ag 328.068†	74398.0	76946.2	0.9180 mg/L	0.9180 mg/L	10:30:15 AM
4	Al 396.153†	82.8	43.1	0.0060 mg/L	0.0060 mg/L	10:27:59 AM
4	As 188.979†	-43.5	7.2	0.0059 mg/L	0.0059 mg/L	10:29:57 AM
4	B 208.889†	734.2	730.5	0.1005 mg/L	0.1005 mg/L	10:29:57 AM
4	Ba 233.527†	-28.7	29.7	0.0006 mg/L	0.0006 mg/L	10:29:57 AM
4	Be 313.107†	1254.3	140.8	0.0005 mg/L	0.0005 mg/L	10:28:19 AM
4	Ca 317.933†	1879.1	-76.8	-0.0063 mg/L	-0.0063 mg/L	10:27:59 AM
4	Cd 228.802†	70.5	8.4	0.0003 mg/L	0.0003 mg/L	10:29:57 AM
4	Co 228.616†	-181.0	-11.1	-0.0004 mg/L	-0.0004 mg/L	10:29:57 AM
4	Cr 267.716†	182.0	12.4	0.0002 mg/L	0.0002 mg/L	10:29:57 AM

4	Cu 327.393†	23.4	300.7	0.0021 mg/L	0.0021 mg/L	10:29:37 AM
4	Fe 238.204†	3.7	11.4	0.0147 mg/L	0.0147 mg/L	10:28:19 AM
4	K 766.490†	333.1	-13.3	-0.0067 mg/L	-0.0067 mg/L	10:27:59 AM
4	Mg 285.213†	344.8	120.1	0.0061 mg/L	0.0061 mg/L	10:28:19 AM
4	Mn 257.610†	-175.1	-16.8	-0.0007 mg/L	-0.0007 mg/L	10:28:19 AM
4	Mo 202.031†	29.6	10.1	0.0007 mg/L	0.0007 mg/L	10:29:57 AM
4	Na 589.592†	1671.6	-7.8	-0.0007 mg/L	-0.0007 mg/L	10:27:59 AM
4	Ni 231.604†	43.1	5.2	0.0002 mg/L	0.0002 mg/L	10:29:57 AM
4	Pb 220.353†	55.9	10.3	0.0034 mg/L	0.0034 mg/L	10:29:57 AM
4	Sb 206.836†	29.3	4.7	0.0022 mg/L	0.0022 mg/L	10:29:57 AM
4	Se 196.026†	10.5	-4.1	-0.0035 mg/L	-0.0035 mg/L	10:29:57 AM
4	Sn 189.927†	-93.8	-11.3	-0.0024 mg/L	-0.0024 mg/L	10:29:57 AM
4	Ti 337.279†	-116.9	32.6	0.0008 mg/L	0.0008 mg/L	10:27:59 AM
4	Tl 351.924†	-55.3	-37.7	-0.0136 mg/L	-0.0136 mg/L	10:29:37 AM
4	V 290.880†	1077.2	-79.6	-0.0012 mg/L	-0.0012 mg/L	10:29:37 AM
4	Zn 206.200†	-111.9	7.1	0.0003 mg/L	0.0003 mg/L	10:29:57 AM
4	Zr 343.823†	207.0	55.6	0.0002 mg/L	0.0002 mg/L	10:29:37 AM

Mean Data: ICV-RR

Ag-90.2%

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	309353.5	92.4	%	0.75				0.81%
Y axial	2914818.8	97.1	%	0.73				0.75%
Ag 328.068†	75624.7	0.9022	mg/L	0.01070	0.9022	mg/L	0.01070	1.19%
Al 396.153†	72.6	0.0102	mg/L	0.00295	0.0102	mg/L	0.00295	28.96%
QC value less than the lower limit for Al 396.153				Recovery = 0.51%				
As 188.979†	7.3	0.0060	mg/L	0.00045	0.0060	mg/L	0.00045	7.49%
B 208.889†	743.8	0.1024	mg/L	0.00150	0.1024	mg/L	0.00150	1.47%
Ba 233.527†	31.0	0.0006	mg/L	0.00005	0.0006	mg/L	0.00005	7.85%
Be 313.107†	134.0	0.0005	mg/L	0.00005	0.0005	mg/L	0.00005	10.09%
Ca 317.933†	18.3	0.0015	mg/L	0.00637	0.0015	mg/L	0.00637	423.31%
Cd 228.802†	13.6	0.0005	mg/L	0.00015	0.0005	mg/L	0.00015	30.38%
Co 228.616†	-2.6	-0.0001	mg/L	0.00026	-0.0001	mg/L	0.00026	246.44%
Cr 267.716†	13.0	0.0003	mg/L	0.00028	0.0003	mg/L	0.00028	109.69%
Cu 327.393†	341.7	0.0024	mg/L	0.00024	0.0024	mg/L	0.00024	10.26%
Fe 238.204†	10.8	0.0139	mg/L	0.00450	0.0139	mg/L	0.00450	32.33%
K 766.490†	-55.5	-0.0278	mg/L	0.01591	-0.0278	mg/L	0.01591	57.12%
Mg 285.213†	126.0	0.0064	mg/L	0.00076	0.0064	mg/L	0.00076	11.74%
Mn 257.610†	-10.2	-0.0004	mg/L	0.00023	-0.0004	mg/L	0.00023	56.59%
Mo 202.031†	4.2	0.0003	mg/L	0.00036	0.0003	mg/L	0.00036	129.25%
Na 589.592†	-55.2	-0.0051	mg/L	0.00651	-0.0051	mg/L	0.00651	128.36%
Ni 231.604†	8.6	0.0004	mg/L	0.00034	0.0004	mg/L	0.00034	87.82%
Pb 220.353†	8.1	0.0027	mg/L	0.00057	0.0027	mg/L	0.00057	21.00%
QC value less than the lower limit for Pb 220.353				Recovery = 0.13%				
Sb 206.836†	6.0	0.0028	mg/L	0.00062	0.0028	mg/L	0.00062	21.84%
Se 196.026†	-4.5	-0.0039	mg/L	0.00800	-0.0039	mg/L	0.00800	207.83%
Sn 189.927†	-4.6	-0.0010	mg/L	0.00107	-0.0010	mg/L	0.00107	111.22%
Ti 337.279†	40.2	0.0010	mg/L	0.00103	0.0010	mg/L	0.00103	106.02%
Tl 351.924†	-13.3	-0.0048	mg/L	0.00822	-0.0048	mg/L	0.00822	170.33%
V 290.880†	-83.8	-0.0013	mg/L	0.00051	-0.0013	mg/L	0.00051	40.76%
Zn 206.200†	11.2	0.0005	mg/L	0.00015	0.0005	mg/L	0.00015	30.80%
Zr 343.823†	26.1	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	119.27%

QC Failed. Continue with analysis.

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Sequence No.: 38 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 2:42:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	307422.6	91.8	%	1.10				1.19%
Y axial	2836055.7	94.5	%	0.89				0.95%
Ag 328.068†	216305.0	2.573	mg/L	0.0586	2.573	mg/L	0.0586	2.28%
QC value within limits for Ag 328.068 Recovery = 102.91%								
Al 396.153†	74201.8	10.12	mg/L	0.015	10.12	mg/L	0.015	0.14%
QC value within limits for Al 396.153 Recovery = 101.15%								
As 188.979†	6011.5	4.944	mg/L	0.0192	4.944	mg/L	0.0192	0.39%
QC value within limits for As 188.979 Recovery = 98.88%								
B 208.889†	36536.5	4.770	mg/L	0.0206	4.770	mg/L	0.0206	0.43%
QC value within limits for B 208.889 Recovery = 95.40%								
Ba 233.527†	278085.3	5.192	mg/L	0.0032	5.192	mg/L	0.0032	0.06%
QC value within limits for Ba 233.527 Recovery = 103.84%								
Be 313.107†	1462810.0	5.171	mg/L	0.0231	5.171	mg/L	0.0231	0.45%
QC value within limits for Be 313.107 Recovery = 103.43%								
Ca 317.933†	125777.9	10.33	mg/L	0.013	10.33	mg/L	0.013	0.13%
QC value within limits for Ca 317.933 Recovery = 103.29%								
Cd 228.802†	124856.1	5.152	mg/L	0.0026	5.152	mg/L	0.0026	0.05%
QC value within limits for Cd 228.802 Recovery = 103.04%								
Co 228.616†	131630.5	5.141	mg/L	0.0091	5.141	mg/L	0.0091	0.18%
QC value within limits for Co 228.616 Recovery = 102.81%								
Cr 267.716†	261035.6	5.189	mg/L	0.0013	5.189	mg/L	0.0013	0.02%
QC value within limits for Cr 267.716 Recovery = 103.78%								
Cu 327.393†	734641.0	5.135	mg/L	0.0103	5.135	mg/L	0.0103	0.20%
QC value within limits for Cu 327.393 Recovery = 102.70%								
Fe 238.204†	3879.4	5.005	mg/L	0.0776	5.005	mg/L	0.0776	1.55%
QC value within limits for Fe 238.204 Recovery = 100.10%								
K 766.490†	20980.9	10.52	mg/L	0.064	10.52	mg/L	0.064	0.61%
QC value within limits for K 766.490 Recovery = 105.22%								

Mg 285.213†	201392.7	10.21 mg/L	0.014	10.21 mg/L	0.014	0.13%
QC value within limits for Mg 285.213 Recovery = 102.07%						
Mn 257.610†	126689.8	5.087 mg/L	0.0083	5.087 mg/L	0.0083	0.16%
QC value within limits for Mn 257.610 Recovery = 101.74%						
Mo 202.031†	78069.4	5.208 mg/L	0.0330	5.208 mg/L	0.0330	0.63%
QC value within limits for Mo 202.031 Recovery = 104.16%						
Na 589.592†	110701.5	10.16 mg/L	0.021	10.16 mg/L	0.021	0.20%
QC value within limits for Na 589.592 Recovery = 101.61%						
Ni 231.604†	114668.8	5.156 mg/L	0.0013	5.156 mg/L	0.0013	0.02%
QC value within limits for Ni 231.604 Recovery = 103.11%						
Pb 220.353†	15946.5	5.322 mg/L	0.0279	5.322 mg/L	0.0279	0.52%
QC value within limits for Pb 220.353 Recovery = 106.45%						
Sb 206.836†	10468.8	4.938 mg/L	0.0357	4.938 mg/L	0.0357	0.72%
QC value within limits for Sb 206.836 Recovery = 98.76%						
Se 196.026†	5832.3	4.968 mg/L	0.0445	4.968 mg/L	0.0445	0.90%
QC value within limits for Se 196.026 Recovery = 99.36%						
Sn 189.927†	24374.9	5.174 mg/L	0.0233	5.174 mg/L	0.0233	0.45%
QC value within limits for Sn 189.927 Recovery = 103.49%						
Ti 337.279†	211699.5	5.131 mg/L	0.0026	5.131 mg/L	0.0026	0.05%
QC value within limits for Ti 337.279 Recovery = 102.62%						
Tl 351.924†	7082.7	2.529 mg/L	0.0108	2.529 mg/L	0.0108	0.43%
QC value within limits for Tl 351.924 Recovery = 101.18%						
V 290.880†	345301.8	5.185 mg/L	0.0025	5.185 mg/L	0.0025	0.05%
QC value within limits for V 290.880 Recovery = 103.70%						
Zn 206.200†	116483.2	5.121 mg/L	0.0134	5.121 mg/L	0.0134	0.26%
QC value within limits for Zn 206.200 Recovery = 102.42%						
Zr 343.823†	1296557.3	5.114 mg/L	0.0051	5.114 mg/L	0.0051	0.10%

All analyte(s) passed QC.

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Analysis Begun

Start Time: 4/14/2022 3:15:53 PM **Plasma On Time: 4/14/2022 6:15:54 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0414B22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0414B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 3:15:54 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 3:16:30 PM **Plasma On Time: 4/14/2022 6:15:54 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0414B22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0414B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 39 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 3:16:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	305911.1	91.4	%	0.32				0.35%
Y axial	2947128.4	98.2	%	0.40				0.41%
Ag 328.068†	11.2	0.0001	mg/L	0.00024	0.0001	mg/L	0.00024	192.92%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-12.4	-0.0018	mg/L	0.00867	-0.0018	mg/L	0.00867	491.63%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.3	0.0027	mg/L	0.00174	0.0027	mg/L	0.00174	63.59%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	44.3	0.0061	mg/L	0.00101	0.0061	mg/L	0.00101	16.64%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	14.6	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	22.64%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-14.3	-0.0000	mg/L	0.00001	-0.0000	mg/L	0.00001	15.41%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-22.4	-0.0018	mg/L	0.00272	-0.0018	mg/L	0.00272	147.94%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	1.7	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	302.98%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-1.9	-0.0001	mg/L	0.00032	-0.0001	mg/L	0.00032	417.93%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-17.7	-0.0004	mg/L	0.00007	-0.0004	mg/L	0.00007	18.93%

QC value within limits for Cr 267.716 Recovery = Not calculated
Cu 327.393† 128.1 0.0009 mg/L 0.00023 0.0009 mg/L 0.00023 25.86%
QC value within limits for Cu 327.393 Recovery = Not calculated
Fe 238.204† 7.1 0.0092 mg/L 0.00065 0.0092 mg/L 0.00065 7.12%
QC value within limits for Fe 238.204 Recovery = Not calculated
K 766.490† -82.5 -0.0414 mg/L 0.02681 -0.0414 mg/L 0.02681 64.84%
QC value within limits for K 766.490 Recovery = Not calculated
Mg 285.213† 36.0 0.0018 mg/L 0.00044 0.0018 mg/L 0.00044 23.80%
QC value within limits for Mg 285.213 Recovery = Not calculated
Mn 257.610† -13.8 -0.0006 mg/L 0.00009 -0.0006 mg/L 0.00009 16.85%
QC value within limits for Mn 257.610 Recovery = Not calculated
Mo 202.031† 6.9 0.0005 mg/L 0.00017 0.0005 mg/L 0.00017 36.57%
QC value within limits for Mo 202.031 Recovery = Not calculated
Na 589.592† -1010.3 -0.0927 mg/L 0.00874 -0.0927 mg/L 0.00874 9.43%
QC value within limits for Na 589.592 Recovery = Not calculated
Ni 231.604† 8.2 0.0004 mg/L 0.00038 0.0004 mg/L 0.00038 102.61%
QC value within limits for Ni 231.604 Recovery = Not calculated
Pb 220.353† 121.7 0.0405 mg/L 0.00388 0.0405 mg/L 0.00388 9.58%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated
Sb 206.836† 2.7 0.0013 mg/L 0.00027 0.0013 mg/L 0.00027 20.71%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -3.5 -0.0030 mg/L 0.00800 -0.0030 mg/L 0.00800 267.20%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† 1.2 0.0003 mg/L 0.00128 0.0003 mg/L 0.00128 492.72%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† 69.2 0.0017 mg/L 0.00101 0.0017 mg/L 0.00101 59.94%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† 21.5 0.0078 mg/L 0.00763 0.0078 mg/L 0.00763 97.82%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† -135.4 -0.0020 mg/L 0.00055 -0.0020 mg/L 0.00055 27.08%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† 87.0 0.0038 mg/L 0.00021 0.0038 mg/L 0.00021 5.46%
QC value within limits for Zn 206.200 Recovery = Not calculated
Zr 343.823† 32.8 0.0001 mg/L 0.00007 0.0001 mg/L 0.00007 50.62%
QC Failed. Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 3:23:16 PM **Plasma On Time: 4/14/2022 6:15:54 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0414B22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0414B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 39 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 3:23:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

WRONG SEQ
CCB RR-NO PB

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	307523.0	91.9	%	1.30				1.42%
Y axial	2959839.7	98.6	%	1.01				1.02%
Ag 328.068†	-14.5	-0.0002	mg/L	0.00037	-0.0002	mg/L	0.00037	202.59%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	10.2	0.0014	mg/L	0.01120	0.0014	mg/L	0.01120	792.28%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.9	0.0032	mg/L	0.00088	0.0032	mg/L	0.00088	27.66%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	43.0	0.0059	mg/L	0.00108	0.0059	mg/L	0.00108	18.28%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	14.5	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	12.33%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-30.8	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	84.80%

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   QC value within limits for Be 313.107  Recovery = Not calculated
Ca 317.933†               9.1      0.0007 mg/L       0.00241      0.0007 mg/L       0.00241 322.00%
   QC value within limits for Ca 317.933  Recovery = Not calculated
Cd 228.802†              -3.9     -0.0002 mg/L       0.00022     -0.0002 mg/L       0.00022 111.68%
   QC value within limits for Cd 228.802  Recovery = Not calculated
Co 228.616†              -7.8     -0.0003 mg/L       0.00030     -0.0003 mg/L       0.00030  99.22%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 267.716†               0.8      0.0000 mg/L       0.00012      0.0000 mg/L       0.00012 731.12%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cu 327.393†             102.8      0.0007 mg/L       0.00071      0.0007 mg/L       0.00071  99.14%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 238.204†               7.1      0.0092 mg/L       0.00349      0.0092 mg/L       0.00349  37.94%
   QC value within limits for Fe 238.204  Recovery = Not calculated
K 766.490†              -42.3     -0.0212 mg/L       0.05101     -0.0212 mg/L       0.05101 240.30%
   QC value within limits for K 766.490  Recovery = Not calculated
Mg 285.213†              35.6      0.0018 mg/L       0.00035      0.0018 mg/L       0.00035  19.50%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†             -11.7     -0.0005 mg/L       0.00020     -0.0005 mg/L       0.00020  43.21%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†               4.8      0.0003 mg/L       0.00020      0.0003 mg/L       0.00020  61.27%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Na 589.592†             -970.8     -0.0891 mg/L       0.00538     -0.0891 mg/L       0.00538   6.04%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 231.604†              -2.0     -0.0001 mg/L       0.00032     -0.0001 mg/L       0.00032 349.13%
   QC value within limits for Ni 231.604  Recovery = Not calculated
 Pb 220.353†             123.5      0.0411 mg/L       0.00045      0.0411 mg/L       0.00045   1.09%
   QC value greater than the upper limit for Pb 220.353  Recovery = Not calculated
Sb 206.836†               7.4      0.0035 mg/L       0.00086      0.0035 mg/L       0.00086  24.56%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†              -1.0     -0.0008 mg/L       0.00209     -0.0008 mg/L       0.00209 246.24%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†              -1.8     -0.0004 mg/L       0.00171     -0.0004 mg/L       0.00171 459.26%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†              42.2      0.0010 mg/L       0.00021      0.0010 mg/L       0.00021  20.45%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 351.924†              19.2      0.0070 mg/L       0.00823      0.0070 mg/L       0.00823 117.81%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†             -145.4     -0.0022 mg/L       0.00069     -0.0022 mg/L       0.00069  31.69%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†             119.6      0.0053 mg/L       0.00006      0.0053 mg/L       0.00006   1.22%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zr 343.823†              42.6      0.0002 mg/L       0.00021      0.0002 mg/L       0.00021 126.08%
QC Failed.  Continue with analysis.
User canceled analysis.

================================================================================================
Analysis Begun

Start Time: 4/14/2022 3:28:16 PM                  Plasma On Time: 4/14/2022 6:15:54 AM
Logged In Analyst: ICP3                           Technique: ICP Continuous
Spectrometer: Optima 8300 , S/N 078S1703073       Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\
                         0414B22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0414B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 41                                  Autosampler Location: 59
Sample ID: B305691-BLK1                           Date Collected: 4/14/2022 3:28:17 PM
Analyst:                                          Data Type: Original
Initial Sample Wt:                                Initial Sample Vol:
Dilution:                                         Sample Prep Vol:
Wash Time (before sample):

------------------------------------------------------------------------------------------------
Mean Data: B305691-BLK1
                  Mean Corrected          Calib.                          Sample
Analyte              Intensity      Conc. Units      Std.Dev.      Conc. Units      Std.Dev.   RSD
Y radial              308154.7       92.1 %             0.38                                   0.42%
Y axial              2915109.7       97.1 %             1.01                                   1.04%
Ag 328.068†              -7.0     -0.0001 mg/L       0.00057     -0.0001 mg/L       0.00057 627.91%
Al 396.153†              73.2      0.0103 mg/L       0.00255      0.0103 mg/L       0.00255  24.80%
As 188.979†               5.8      0.0048 mg/L       0.00284      0.0048 mg/L       0.00284  59.75%
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B 208.889†	53.1	0.0073 mg/L	0.00069	0.0073 mg/L	0.00069	9.41%
Ba 233.527†	10.4	0.0002 mg/L	0.00013	0.0002 mg/L	0.00013	65.81%
Be 313.107†	-21.3	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	23.77%
Ca 317.933†	149.3	0.0123 mg/L	0.00317	0.0123 mg/L	0.00317	25.81%
Cd 228.802†	-3.9	-0.0002 mg/L	0.00005	-0.0002 mg/L	0.00005	22.01%
Co 228.616†	-3.5	-0.0001 mg/L	0.00039	-0.0001 mg/L	0.00039	283.77%
Cr 267.716†	-1.3	-0.0000 mg/L	0.00018	-0.0000 mg/L	0.00018	738.28%
Cu 327.393†	58.2	0.0004 mg/L	0.00007	0.0004 mg/L	0.00007	16.63%
Fe 238.204†	6.4	0.0082 mg/L	0.00131	0.0082 mg/L	0.00131	15.95%
K 766.490†	-125.8	-0.0631 mg/L	0.03767	-0.0631 mg/L	0.03767	59.73%
Mg 285.213†	87.7	0.0045 mg/L	0.00048	0.0045 mg/L	0.00048	10.78%
Mn 257.610†	-6.7	-0.0003 mg/L	0.00007	-0.0003 mg/L	0.00007	25.65%
Mo 202.031†	5.2	0.0003 mg/L	0.00029	0.0003 mg/L	0.00029	82.34%
Na 589.592†	-973.6	-0.0894 mg/L	0.00442	-0.0894 mg/L	0.00442	4.94%
Ni 231.604†	3.1	0.0001 mg/L	0.00010	0.0001 mg/L	0.00010	71.70%
Pb 220.353†	104.4	0.0348 mg/L	0.00119	0.0348 mg/L	0.00119	3.41%
Sb 206.836†	8.3	0.0039 mg/L	0.00058	0.0039 mg/L	0.00058	14.68%
Se 196.026†	-2.2	-0.0019 mg/L	0.00603	-0.0019 mg/L	0.00603	316.39%
Sn 189.927†	-1.0	-0.0002 mg/L	0.00181	-0.0002 mg/L	0.00181	883.50%
Ti 337.279†	12.6	0.0003 mg/L	0.00053	0.0003 mg/L	0.00053	174.43%
Tl 351.924†	2.7	0.0010 mg/L	0.00173	0.0010 mg/L	0.00173	173.98%
V 290.880†	-114.4	-0.0017 mg/L	0.00058	-0.0017 mg/L	0.00058	33.75%
Zn 206.200†	125.4	0.0055 mg/L	0.00010	0.0055 mg/L	0.00010	1.78%
Zr 343.823†	36.2	0.0001 mg/L	0.00012	0.0001 mg/L	0.00012	85.31%

Sequence No.: 42
Sample ID: B305691-BS1
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 110

Autosampler Location: 60
Date Collected: 4/14/2022 3:34:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B305691-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	305431.9	91.2	%	1.34				1.47%
Y axial	2904869.2	96.8	%	1.09				1.13%
Ag 328.068†	43675.9	0.5230	mg/L	0.00695	0.5230	mg/L	0.00695	1.33%
Al 396.153†	3767.6	0.5048	mg/L	0.00877	0.5048	mg/L	0.00877	1.74%
As 188.979†	548.7	0.4524	mg/L	0.00972	0.4524	mg/L	0.00972	2.15%
B 208.889†	6945.3	0.9305	mg/L	0.01352	0.9305	mg/L	0.01352	1.45%
Ba 233.527†	27454.3	0.5126	mg/L	0.00744	0.5126	mg/L	0.00744	1.45%
Be 313.107†	152148.5	0.5375	mg/L	0.00282	0.5375	mg/L	0.00282	0.52%
Ca 317.933†	49602.3	4.074	mg/L	0.0159	4.074	mg/L	0.0159	0.39%
Cd 228.802†	12202.0	0.5040	mg/L	0.00720	0.5040	mg/L	0.00720	1.43%
Co 228.616†	13090.5	0.5112	mg/L	0.00710	0.5112	mg/L	0.00710	1.39%
Cr 267.716†	25528.4	0.5078	mg/L	0.00697	0.5078	mg/L	0.00697	1.37%
Cu 327.393†	140691.5	0.9775	mg/L	0.01469	0.9775	mg/L	0.01469	1.50%
Fe 238.204†	3076.1	3.962	mg/L	0.0648	3.962	mg/L	0.0648	1.64%
K 766.490†	8179.4	4.102	mg/L	0.0707	4.102	mg/L	0.0707	1.72%
Mg 285.213†	78354.2	4.009	mg/L	0.0090	4.009	mg/L	0.0090	0.22%
Mn 257.610†	12302.3	0.4942	mg/L	0.00631	0.4942	mg/L	0.00631	1.28%
Mo 202.031†	7682.2	0.5125	mg/L	0.00769	0.5125	mg/L	0.00769	1.50%
Na 589.592†	43122.3	3.958	mg/L	0.0225	3.958	mg/L	0.0225	0.57%
Ni 231.604†	11491.3	0.5165	mg/L	0.00758	0.5165	mg/L	0.00758	1.47%
Pb 220.353†	1636.4	0.5452	mg/L	0.00795	0.5452	mg/L	0.00795	1.46%
Sb 206.836†	1018.4	0.4804	mg/L	0.00793	0.4804	mg/L	0.00793	1.65%
Se 196.026†	579.1	0.4962	mg/L	0.01612	0.4962	mg/L	0.01612	3.25%
Sn 189.927†	2472.5	0.5236	mg/L	0.00687	0.5236	mg/L	0.00687	1.31%
Ti 337.279†	21095.6	0.5116	mg/L	0.00732	0.5116	mg/L	0.00732	1.43%
Tl 351.924†	1438.8	0.5190	mg/L	0.00909	0.5190	mg/L	0.00909	1.75%
V 290.880†	34181.5	0.5130	mg/L	0.00851	0.5130	mg/L	0.00851	1.66%
Zn 206.200†	22622.6	0.9961	mg/L	0.01315	0.9961	mg/L	0.01315	1.32%
Zr 343.823†	242.9	0.0008	mg/L	0.00011	0.0008	mg/L	0.00011	12.96%

Sequence No.: 43
Sample ID: B305691-BSD1
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 220

Autosampler Location: 61
Date Collected: 4/14/2022 3:41:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B305691-BSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	309812.0	92.6	%	0.48				0.51%
Y axial	2899324.1	96.6	%	1.00				1.03%
Ag 328.068†	43778.1	0.5242	mg/L	0.00868	0.5242	mg/L	0.00868	1.66%
Al 396.153†	3666.9	0.4906	mg/L	0.00428	0.4906	mg/L	0.00428	0.87%
As 188.979†	560.4	0.4620	mg/L	0.00610	0.4620	mg/L	0.00610	1.32%
B 208.889†	6978.3	0.9350	mg/L	0.01095	0.9350	mg/L	0.01095	1.17%
Ba 233.527†	27459.3	0.5127	mg/L	0.00921	0.5127	mg/L	0.00921	1.80%
Be 313.107†	151760.5	0.5361	mg/L	0.00092	0.5361	mg/L	0.00092	0.17%
Ca 317.933†	49410.5	4.058	mg/L	0.0134	4.058	mg/L	0.0134	0.33%
Cd 228.802†	12258.0	0.5062	mg/L	0.00571	0.5062	mg/L	0.00571	1.13%
Co 228.616†	13114.7	0.5122	mg/L	0.00629	0.5122	mg/L	0.00629	1.23%
Cr 267.716†	25637.9	0.5100	mg/L	0.00882	0.5100	mg/L	0.00882	1.73%
Cu 327.393†	141393.4	0.9824	mg/L	0.01754	0.9824	mg/L	0.01754	1.79%
Fe 238.204†	2996.4	3.859	mg/L	0.0203	3.859	mg/L	0.0203	0.53%
K 766.490†	8007.1	4.016	mg/L	0.0044	4.016	mg/L	0.0044	0.11%
Mg 285.213†	77972.5	3.990	mg/L	0.0022	3.990	mg/L	0.0022	0.05%
Mn 257.610†	12026.2	0.4831	mg/L	0.00203	0.4831	mg/L	0.00203	0.42%
Mo 202.031†	7688.7	0.5129	mg/L	0.00609	0.5129	mg/L	0.00609	1.19%
Na 589.592†	42695.5	3.919	mg/L	0.0044	3.919	mg/L	0.0044	0.11%
Ni 231.604†	11529.5	0.5182	mg/L	0.00686	0.5182	mg/L	0.00686	1.32%
Pb 220.353†	1638.3	0.5459	mg/L	0.00594	0.5459	mg/L	0.00594	1.09%
Sb 206.836†	1023.4	0.4828	mg/L	0.00760	0.4828	mg/L	0.00760	1.57%
Se 196.026†	577.0	0.4943	mg/L	0.01536	0.4943	mg/L	0.01536	3.11%
Sn 189.927†	2478.0	0.5248	mg/L	0.00482	0.5248	mg/L	0.00482	0.92%
Ti 337.279†	20672.5	0.5013	mg/L	0.00211	0.5013	mg/L	0.00211	0.42%
Tl 351.924†	1429.8	0.5158	mg/L	0.00779	0.5158	mg/L	0.00779	1.51%
V 290.880†	34288.3	0.5146	mg/L	0.00955	0.5146	mg/L	0.00955	1.86%
Zn 206.200†	22702.0	0.9996	mg/L	0.01826	0.9996	mg/L	0.01826	1.83%
Zr 343.823†	136.3	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	3.88%

Sequence No.: 44 **Autosampler Location: 62**
Sample ID: B305691-MS1 **Date Collected: 4/14/2022 3:49:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: B305691-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	307830.0	92.0	%	1.60				1.74%
Y axial	2898641.8	96.6	%	0.61				0.63%
Ag 328.068†	44195.3	0.5292	mg/L	0.01191	0.5292	mg/L	0.01191	2.25%
Al 396.153†	3730.6	0.4994	mg/L	0.00886	0.4994	mg/L	0.00886	1.77%
As 188.979†	557.2	0.4594	mg/L	0.01068	0.4594	mg/L	0.01068	2.33%
B 208.889†	6987.6	0.9362	mg/L	0.00773	0.9362	mg/L	0.00773	0.83%
Ba 233.527†	27168.5	0.5073	mg/L	0.00049	0.5073	mg/L	0.00049	0.10%
Be 313.107†	151227.4	0.5343	mg/L	0.00099	0.5343	mg/L	0.00099	0.19%
Ca 317.933†	49729.7	4.084	mg/L	0.0061	4.084	mg/L	0.0061	0.15%
Cd 228.802†	12238.6	0.5054	mg/L	0.00305	0.5054	mg/L	0.00305	0.60%
Co 228.616†	13149.7	0.5135	mg/L	0.00356	0.5135	mg/L	0.00356	0.69%
Cr 267.716†	25349.1	0.5042	mg/L	0.00153	0.5042	mg/L	0.00153	0.30%
Cu 327.393†	139690.1	0.9705	mg/L	0.00190	0.9705	mg/L	0.00190	0.20%
Fe 238.204†	3038.8	3.914	mg/L	0.0694	3.914	mg/L	0.0694	1.77%
K 766.490†	8136.3	4.081	mg/L	0.0754	4.081	mg/L	0.0754	1.85%
Mg 285.213†	78342.9	4.009	mg/L	0.0034	4.009	mg/L	0.0034	0.08%
Mn 257.610†	12209.4	0.4904	mg/L	0.00894	0.4904	mg/L	0.00894	1.82%
Mo 202.031†	7722.8	0.5152	mg/L	0.00399	0.5152	mg/L	0.00399	0.77%
Na 589.592†	42994.4	3.946	mg/L	0.0106	3.946	mg/L	0.0106	0.27%
Ni 231.604†	11552.5	0.5192	mg/L	0.00512	0.5192	mg/L	0.00512	0.99%
Pb 220.353†	1620.9	0.5401	mg/L	0.00582	0.5401	mg/L	0.00582	1.08%
Sb 206.836†	1023.2	0.4828	mg/L	0.00504	0.4828	mg/L	0.00504	1.04%
Se 196.026†	572.5	0.4906	mg/L	0.00577	0.4906	mg/L	0.00577	1.18%
Sn 189.927†	2478.0	0.5248	mg/L	0.00686	0.5248	mg/L	0.00686	1.31%
Ti 337.279†	20985.8	0.5089	mg/L	0.00866	0.5089	mg/L	0.00866	1.70%
Tl 351.924†	1443.7	0.5208	mg/L	0.00467	0.5208	mg/L	0.00467	0.90%
V 290.880†	33855.4	0.5081	mg/L	0.00055	0.5081	mg/L	0.00055	0.11%
Zn 206.200†	22429.1	0.9876	mg/L	0.00422	0.9876	mg/L	0.00422	0.43%
Zr 343.823†	98.5	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	17.32%

Sequence No.: 47 **Autosampler Location: 65**
Sample ID: B305691-DUP1 **Date Collected: 4/14/2022 4:10:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: B305691-DUP1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	305957.8	91.4	%	0.44				0.48%
Y axial	2930458.6	97.6	%	0.74				0.76%
Ag 328.068†	335.7	0.0040	mg/L	0.00042	0.0040	mg/L	0.00042	10.61%
Al 396.153†	54.8	0.0077	mg/L	0.00180	0.0077	mg/L	0.00180	23.42%
As 188.979†	3.1	0.0025	mg/L	0.00237	0.0025	mg/L	0.00237	93.11%
B 208.889†	95.5	0.0131	mg/L	0.00142	0.0131	mg/L	0.00142	10.85%
Ba 233.527†	13.5	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	34.35%
Be 313.107†	-13.2	-0.0000	mg/L	0.00002	-0.0000	mg/L	0.00002	53.32%
Ca 317.933†	76.0	0.0062	mg/L	0.00673	0.0062	mg/L	0.00673	107.78%
Cd 228.802†	0.7	-0.0000	mg/L	0.00005	-0.0000	mg/L	0.00005	>999.9%
Co 228.616†	-8.0	-0.0003	mg/L	0.00011	-0.0003	mg/L	0.00011	34.02%
Cr 267.716†	-3.3	-0.0001	mg/L	0.00028	-0.0001	mg/L	0.00028	426.43%
Cu 327.393†	97.1	0.0007	mg/L	0.00021	0.0007	mg/L	0.00021	30.46%
Fe 238.204†	6.0	0.0077	mg/L	0.00444	0.0077	mg/L	0.00444	57.79%
K 766.490†	-58.3	-0.0292	mg/L	0.01546	-0.0292	mg/L	0.01546	52.85%
Mg 285.213†	83.2	0.0043	mg/L	0.00045	0.0043	mg/L	0.00045	10.49%
Mn 257.610†	-7.8	-0.0003	mg/L	0.00016	-0.0003	mg/L	0.00016	52.89%
Mo 202.031†	7.4	0.0005	mg/L	0.00013	0.0005	mg/L	0.00013	25.98%
Na 589.592†	-872.6	-0.0801	mg/L	0.00562	-0.0801	mg/L	0.00562	7.02%
Ni 231.604†	-1.7	-0.0001	mg/L	0.00040	-0.0001	mg/L	0.00040	503.18%
Pb 220.353†	68.4	0.0228	mg/L	0.00229	0.0228	mg/L	0.00229	10.06%
Sb 206.836†	11.3	0.0054	mg/L	0.00384	0.0054	mg/L	0.00384	71.44%
Se 196.026†	-8.3	-0.0071	mg/L	0.01007	-0.0071	mg/L	0.01007	142.63%
Sn 189.927†	6.5	0.0014	mg/L	0.00073	0.0014	mg/L	0.00073	52.92%
Ti 337.279†	42.0	0.0010	mg/L	0.00065	0.0010	mg/L	0.00065	64.17%
Tl 351.924†	24.3	0.0088	mg/L	0.00673	0.0088	mg/L	0.00673	76.22%
V 290.880†	-118.1	-0.0018	mg/L	0.00025	-0.0018	mg/L	0.00025	14.44%
Zn 206.200†	108.5	0.0048	mg/L	0.00017	0.0048	mg/L	0.00017	3.60%
Zr 343.823†	31.2	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	112.92%

Sequence No.: 48 **Autosampler Location: 66**
Sample ID: 22D0541-19 **Date Collected: 4/14/2022 4:15:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: 22D0541-19

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	302816.3	90.5	%	0.55				0.60%
Y axial	2928860.3	97.6	%	0.60				0.61%
Ag 328.068†	74.9	0.0009	mg/L	0.00051	0.0009	mg/L	0.00051	57.36%
Al 396.153†	28.8	0.0040	mg/L	0.00415	0.0040	mg/L	0.00415	103.66%
As 188.979†	3.3	0.0027	mg/L	0.00165	0.0027	mg/L	0.00165	61.88%
B 208.889†	77.1	0.0106	mg/L	0.00060	0.0106	mg/L	0.00060	5.71%
Ba 233.527†	17.2	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	18.56%
Be 313.107†	13.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	61.56%
Ca 317.933†	34.3	0.0028	mg/L	0.00644	0.0028	mg/L	0.00644	228.99%
Cd 228.802†	-2.3	-0.0001	mg/L	0.00025	-0.0001	mg/L	0.00025	192.86%
Co 228.616†	3.1	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	77.90%

Cr 267.716†	11.4	0.0002 mg/L	0.00016	0.0002 mg/L	0.00016	72.22%
Cu 327.393†	103.4	0.0007 mg/L	0.00025	0.0007 mg/L	0.00025	34.93%
Fe 238.204†	8.4	0.0108 mg/L	0.00946	0.0108 mg/L	0.00946	87.35%
K 766.490†	-4.0	-0.0020 mg/L	0.01160	-0.0020 mg/L	0.01160	579.09%
Mg 285.213†	93.7	0.0048 mg/L	0.00026	0.0048 mg/L	0.00026	5.35%
Mn 257.610†	-10.2	-0.0004 mg/L	0.00013	-0.0004 mg/L	0.00013	32.81%
Mo 202.031†	11.0	0.0007 mg/L	0.00020	0.0007 mg/L	0.00020	26.59%
Na 589.592†	-827.0	-0.0759 mg/L	0.00310	-0.0759 mg/L	0.00310	4.08%
Ni 231.604†	9.8	0.0004 mg/L	0.00018	0.0004 mg/L	0.00018	41.27%
Pb 220.353†	61.2	0.0204 mg/L	0.00320	0.0204 mg/L	0.00320	15.69%
Sb 206.836†	4.8	0.0023 mg/L	0.00308	0.0023 mg/L	0.00308	136.20%
Se 196.026†	-0.0	-0.0000 mg/L	0.00189	-0.0000 mg/L	0.00189	>999.9%
Sn 189.927†	3.1	0.0007 mg/L	0.00050	0.0007 mg/L	0.00050	75.10%
Ti 337.279†	35.3	0.0009 mg/L	0.00101	0.0009 mg/L	0.00101	117.47%
Tl 351.924†	-11.9	-0.0043 mg/L	0.00625	-0.0043 mg/L	0.00625	144.52%
V 290.880†	-83.3	-0.0012 mg/L	0.00141	-0.0012 mg/L	0.00141	113.38%
Zn 206.200†	85.9	0.0038 mg/L	0.00020	0.0038 mg/L	0.00020	5.33%
Zr 343.823†	-8.1	-0.0000 mg/L	0.00006	-0.0000 mg/L	0.00006	186.20%

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Sequence No.: 50 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 4:27:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	305157.4	91.2	%	0.80				0.88%
Y axial	2829896.6	94.3	%	1.59				1.69%

Ag 328.068†	206403.5	2.455 mg/L	0.0280	2.455 mg/L	0.0280	1.14%
QC value within limits for Ag 328.068 Recovery = 98.19%						
Al 396.153†	73593.5	10.03 mg/L	0.025	10.03 mg/L	0.025	0.25%
QC value within limits for Al 396.153 Recovery = 100.31%						
As 188.979†	5960.5	4.902 mg/L	0.0694	4.902 mg/L	0.0694	1.42%
QC value within limits for As 188.979 Recovery = 98.04%						
B 208.889†	36228.7	4.728 mg/L	0.0606	4.728 mg/L	0.0606	1.28%
QC value within limits for B 208.889 Recovery = 94.57%						
Ba 233.527†	278692.5	5.203 mg/L	0.0070	5.203 mg/L	0.0070	0.13%
QC value within limits for Ba 233.527 Recovery = 104.07%						
Be 313.107†	1504546.1	5.319 mg/L	0.0242	5.319 mg/L	0.0242	0.45%
QC value within limits for Be 313.107 Recovery = 106.39%						
Ca 317.933†	125675.5	10.32 mg/L	0.029	10.32 mg/L	0.029	0.28%
QC value within limits for Ca 317.933 Recovery = 103.21%						
Cd 228.802†	124980.9	5.158 mg/L	0.0111	5.158 mg/L	0.0111	0.22%
QC value within limits for Cd 228.802 Recovery = 103.16%						
Co 228.616†	132521.1	5.175 mg/L	0.0070	5.175 mg/L	0.0070	0.13%
QC value within limits for Co 228.616 Recovery = 103.51%						
Cr 267.716†	261924.4	5.207 mg/L	0.0074	5.207 mg/L	0.0074	0.14%
QC value within limits for Cr 267.716 Recovery = 104.13%						
Cu 327.393†	729330.3	5.098 mg/L	0.0079	5.098 mg/L	0.0079	0.16%
QC value within limits for Cu 327.393 Recovery = 101.96%						
Fe 238.204†	3853.7	4.972 mg/L	0.0408	4.972 mg/L	0.0408	0.82%
QC value within limits for Fe 238.204 Recovery = 99.44%						
K 766.490†	21002.2	10.53 mg/L	0.016	10.53 mg/L	0.016	0.15%
QC value within limits for K 766.490 Recovery = 105.33%						
Mg 285.213†	201536.9	10.22 mg/L	0.029	10.22 mg/L	0.029	0.29%
QC value within limits for Mg 285.213 Recovery = 102.15%						
Mn 257.610†	125579.9	5.042 mg/L	0.0158	5.042 mg/L	0.0158	0.31%
QC value within limits for Mn 257.610 Recovery = 100.85%						
Mo 202.031†	77839.9	5.193 mg/L	0.0709	5.193 mg/L	0.0709	1.37%
QC value within limits for Mo 202.031 Recovery = 103.85%						
Na 589.592†	111153.3	10.20 mg/L	0.043	10.20 mg/L	0.043	0.42%
QC value within limits for Na 589.592 Recovery = 102.03%						
Ni 231.604†	115122.5	5.176 mg/L	0.0068	5.176 mg/L	0.0068	0.13%
QC value within limits for Ni 231.604 Recovery = 103.52%						
Pb 220.353†	15577.1	5.199 mg/L	0.0774	5.199 mg/L	0.0774	1.49%
QC value within limits for Pb 220.353 Recovery = 103.98%						
Sb 206.836†	10369.2	4.890 mg/L	0.0356	4.890 mg/L	0.0356	0.73%
QC value within limits for Sb 206.836 Recovery = 97.81%						
Se 196.026†	5872.9	5.003 mg/L	0.0996	5.003 mg/L	0.0996	1.99%
QC value within limits for Se 196.026 Recovery = 100.06%						
Sn 189.927†	24128.3	5.122 mg/L	0.0664	5.122 mg/L	0.0664	1.30%
QC value within limits for Sn 189.927 Recovery = 102.45%						
Ti 337.279†	212297.2	5.146 mg/L	0.0116	5.146 mg/L	0.0116	0.22%
QC value within limits for Ti 337.279 Recovery = 102.91%						
Tl 351.924†	7329.9	2.619 mg/L	0.0472	2.619 mg/L	0.0472	1.80%
QC value within limits for Tl 351.924 Recovery = 104.75%						
V 290.880†	347385.3	5.216 mg/L	0.0046	5.216 mg/L	0.0046	0.09%
QC value within limits for V 290.880 Recovery = 104.32%						
Zn 206.200†	115996.2	5.099 mg/L	0.0097	5.099 mg/L	0.0097	0.19%
QC value within limits for Zn 206.200 Recovery = 101.99%						
Zr 343.823†	1290964.8	5.092 mg/L	0.0137	5.092 mg/L	0.0137	0.27%

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 4:52:34 PM **Plasma On Time: 4/14/2022 6:15:54 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0414B22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0414B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 51 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 4:52:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

NO Pb
MJH 4/15/22

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	309524.4	92.5	%	0.51				0.55%
Y axial	2945459.4	98.1	%	0.57				0.58%
Ag 328.068†	17.3	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	91.29%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	2.0	0.0002	mg/L	0.00298	0.0002	mg/L	0.00298	>999.9%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	7.2	0.0059	mg/L	0.00239	0.0059	mg/L	0.00239	40.30%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	78.3	0.0107	mg/L	0.00062	0.0107	mg/L	0.00062	5.78%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	9.1	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	44.62%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-38.9	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	12.17%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-120.5	-0.0099	mg/L	0.00675	-0.0099	mg/L	0.00675	68.26%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	-0.3	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	131.30%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-3.2	-0.0001	mg/L	0.00029	-0.0001	mg/L	0.00029	234.10%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-5.6	-0.0001	mg/L	0.00027	-0.0001	mg/L	0.00027	241.47%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	117.9	0.0008	mg/L	0.00030	0.0008	mg/L	0.00030	36.14%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	4.3	0.0055	mg/L	0.00403	0.0055	mg/L	0.00403	73.62%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-156.5	-0.0785	mg/L	0.00313	-0.0785	mg/L	0.00313	3.99%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	31.2	0.0016	mg/L	0.00042	0.0016	mg/L	0.00042	26.14%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-19.9	-0.0008	mg/L	0.00055	-0.0008	mg/L	0.00055	69.70%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.0	0.0005	mg/L	0.00038	0.0005	mg/L	0.00038	70.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1036.4	-0.0951	mg/L	0.00665	-0.0951	mg/L	0.00665	6.99%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	1.0	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	373.14%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	43.1	0.0144	mg/L	0.00263	0.0144	mg/L	0.00263	18.31%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.5	0.0031	mg/L	0.00233	0.0031	mg/L	0.00233	75.46%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.8	-0.0007	mg/L	0.00159	-0.0007	mg/L	0.00159	226.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	3.8	0.0008	mg/L	0.00052	0.0008	mg/L	0.00052	65.14%

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   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†              15.3      0.0004 mg/L       0.00148      0.0004 mg/L       0.00148 399.61%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 351.924†              16.5      0.0060 mg/L       0.00346      0.0060 mg/L       0.00346  57.79%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†            -108.7     -0.0016 mg/L       0.00022     -0.0016 mg/L       0.00022  13.48%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†              22.0      0.0010 mg/L       0.00036      0.0010 mg/L       0.00036  37.56%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zr 343.823†              51.9      0.0002 mg/L       0.00010      0.0002 mg/L       0.00010  48.26%
QC Failed.  Continue with analysis.
```

Sequence No.: 93 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/14/2022 9:28:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	299668.4	89.5	%	1.37				1.53%
Y axial	2658247.4	88.6	%	0.09				0.10%
Ag 328.068†	956.8	0.0114	mg/L	0.00014	0.0114	mg/L	0.00014	1.22%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1797052.7	252.4	mg/L	0.24	252.4	mg/L	0.24	0.09%
QC value within limits for Al 396.153 Recovery = 100.98%								
As 188.979†	-28.0	0.0176	mg/L	0.00326	0.0176	mg/L	0.00326	18.58%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	259.6	0.0358	mg/L	0.00027	0.0358	mg/L	0.00027	0.74%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	1145.8	0.0214	mg/L	0.00021	0.0214	mg/L	0.00021	0.98%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	5745.0	0.0203	mg/L	0.00060	0.0203	mg/L	0.00060	2.98%
QC value greater than the upper limit for Be 313.107 Recovery = Not calculated								
Ca 317.933†	3035773.5	249.3	mg/L	0.27	249.3	mg/L	0.27	0.11%
QC value within limits for Ca 317.933 Recovery = 99.72%								
Cd 228.802†	445.9	0.0203	mg/L	0.00034	0.0203	mg/L	0.00034	1.70%
QC value greater than the upper limit for Cd 228.802 Recovery = Not calculated								
Co 228.616†	452.9	0.0177	mg/L	0.00027	0.0177	mg/L	0.00027	1.53%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	782.7	0.0209	mg/L	0.00014	0.0209	mg/L	0.00014	0.66%
QC value greater than the upper limit for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	2103.9	0.0147	mg/L	0.00015	0.0147	mg/L	0.00015	1.03%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	71406.3	91.91	mg/L	2.488	91.91	mg/L	2.488	2.71%
QC value within limits for Fe 238.204 Recovery = 91.91%								
K 766.490†	148.3	0.0744	mg/L	0.01484	0.0744	mg/L	0.01484	19.95%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4666073.0	238.7	mg/L	0.31	238.7	mg/L	0.31	0.13%
QC value within limits for Mg 285.213 Recovery = 95.47%								
Mn 257.610†	248.5	0.0150	mg/L	0.00161	0.0150	mg/L	0.00161	10.75%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-11.6	-0.0008	mg/L	0.00053	-0.0008	mg/L	0.00053	68.01%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-217.3	-0.0199	mg/L	0.00831	-0.0199	mg/L	0.00831	41.64%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	402.9	0.0182	mg/L	0.00027	0.0182	mg/L	0.00027	1.49%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.6	0.0299	mg/L	0.00064	0.0299	mg/L	0.00064	2.15%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	84.6	0.0406	mg/L	0.00462	0.0406	mg/L	0.00462	11.38%
QC value within limits for Sb 206.836 Recovery = Not calculated								

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Se 196.026†              -90.4      0.0003 mg/L       0.00738      0.0003 mg/L       0.00738 >999.9%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†             1434.0      0.2078 mg/L       0.00765      0.2078 mg/L       0.00765   3.68%
   QC value greater than the upper limit for Sn 189.927  Recovery = Not calculated
Ti 337.279†              876.4      0.0212 mg/L       0.00116      0.0212 mg/L       0.00116   5.47%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 351.924†             -157.7     -0.0063 mg/L       0.00556     -0.0063 mg/L       0.00556  87.67%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†              1467.7      0.0104 mg/L       0.00140      0.0104 mg/L       0.00140  13.43%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†              399.5      0.0338 mg/L       0.00104      0.0338 mg/L       0.00104   3.07%
   QC value greater than the upper limit for Zn 206.200  Recovery = Not calculated
Zr 343.823†             5421.8      0.0187 mg/L       0.00019      0.0187 mg/L       0.00019   1.02%
QC Failed.  Continue with analysis.

================================================================================================================

Sequence No.: 94                                    Autosampler Location: 12
Sample ID: SEQ-IFB@ 2202320                         Date Collected: 4/14/2022 9:34:55 PM
Analyst:                                            Data Type: Original
Initial Sample Wt:                                  Initial Sample Vol:
Dilution:                                           Sample Prep Vol:
Wash Time (before sample):  220

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Mean Data: SEQ-IFB@ 2202320
                    Mean Corrected          Calib.                          Sample
Analyte                Intensity      Conc. Units      Std.Dev.      Conc. Units      Std.Dev.    RSD
Y radial                296008.0        88.4 %            0.74                                    0.84%
Y axial                2696246.3        89.8 %            2.31                                    2.57%
Ag 328.068†              72611.8      0.8681 mg/L       0.03953      0.8681 mg/L       0.03953   4.55%
   QC value within limits for Ag 328.068  Recovery = 86.81%
Al 396.153†            1756477.5       246.7 mg/L          1.03       246.7 mg/L          1.03   0.42%
   QC value within limits for Al 396.153  Recovery = 98.70%
As 188.979†              -48.6      0.0016 mg/L       0.00130      0.0016 mg/L       0.00130  83.68%
   QC value within limits for As 188.979  Recovery = Not calculated
B 208.889†               134.9      0.0195 mg/L       0.00160      0.0195 mg/L       0.00160   8.23%
   QC value within limits for B 208.889  Recovery = Not calculated
Ba 233.527†            25810.7      0.4819 mg/L       0.00874      0.4819 mg/L       0.00874   1.81%
   QC value within limits for Ba 233.527  Recovery = 96.38%
Be 313.107†           155237.0      0.5486 mg/L       0.00094      0.5486 mg/L       0.00094   0.17%
   QC value within limits for Be 313.107  Recovery = 109.72%
Ca 317.933†           2962330.7       243.3 mg/L          0.65       243.3 mg/L          0.65   0.27%
   QC value within limits for Ca 317.933  Recovery = 97.31%
Cd 228.802†            23789.8      0.9933 mg/L       0.01931      0.9933 mg/L       0.01931   1.94%
   QC value within limits for Cd 228.802  Recovery = 99.33%
Co 228.616†            11289.0      0.4416 mg/L       0.01222      0.4416 mg/L       0.01222   2.77%
   QC value within limits for Co 228.616  Recovery = 88.32%
Cr 267.716†            23740.1      0.4772 mg/L       0.01016      0.4772 mg/L       0.01016   2.13%
   QC value within limits for Cr 267.716  Recovery = 95.44%
Cu 327.393†            72382.9      0.5027 mg/L       0.01167      0.5027 mg/L       0.01167   2.32%
   QC value within limits for Cu 327.393  Recovery = 100.54%
Fe 238.204†            70243.1       90.41 mg/L         0.809       90.41 mg/L         0.809   0.90%
   QC value within limits for Fe 238.204  Recovery = 90.41%
K 766.490†               82.2      0.0412 mg/L       0.00632      0.0412 mg/L       0.00632  15.33%
   QC value within limits for K 766.490  Recovery = Not calculated
Mg 285.213†           4566541.7       233.6 mg/L          0.93       233.6 mg/L          0.93   0.40%
   QC value within limits for Mg 285.213  Recovery = 93.44%
Mn 257.610†            11428.4      0.4633 mg/L       0.00343      0.4633 mg/L       0.00343   0.74%
   QC value within limits for Mn 257.610  Recovery = 92.66%
Mo 202.031†              -279.2     -0.0186 mg/L       0.00109     -0.0186 mg/L       0.00109   5.84%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Na 589.592†              -633.0     -0.0581 mg/L       0.00219     -0.0581 mg/L       0.00219   3.76%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 231.604†            19402.3      0.8725 mg/L       0.01775      0.8725 mg/L       0.01775   2.03%
   QC value within limits for Ni 231.604  Recovery = 87.25%
Pb 220.353†             2725.1      0.9362 mg/L       0.02300      0.9362 mg/L       0.02300   2.46%
   QC value within limits for Pb 220.353  Recovery = 93.62%
Sb 206.836†               62.4      0.0242 mg/L       0.00525      0.0242 mg/L       0.00525  21.71%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†              -110.9     -0.0176 mg/L       0.01959     -0.0176 mg/L       0.01959 111.43%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†             1311.3      0.1838 mg/L       0.01147      0.1838 mg/L       0.01147   6.24%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†               92.0      0.0022 mg/L       0.00113      0.0022 mg/L       0.00113  50.82%
   QC value within limits for Ti 337.279  Recovery = Not calculated
```

Tl 351.924†	-156.3	-0.0085 mg/L	0.00345	-0.0085 mg/L	0.00345	40.40%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	32979.2	0.4814 mg/L	0.01222	0.4814 mg/L	0.01222	2.54%
QC value within limits for V 290.880 Recovery = 96.28%						
Zn 206.200†	20004.3	0.8970 mg/L	0.01804	0.8970 mg/L	0.01804	2.01%
QC value within limits for Zn 206.200 Recovery = 89.70%						
Zr 343.823†	823.2	0.0006 mg/L	0.00007	0.0006 mg/L	0.00007	11.60%

All analyte(s) passed QC.

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073156-ICV1	QC		1		2111414	2204254	
S073156-ICV2	QC		2		2201355	2204254	
S073156-ICB1	QC		3		2111294	2204254	
S073156-LCV1	QC		4		2202321	2204254	
S073156-CCV1	QC		5		2112026	2204254	
S073156-IFA1	QC		6		2202319	2204254	
S073156-IFB1	QC		7		2202320	2204254	
S073156-HCV1	QC		8		2201173	2204254	
S073156-HCV2	QC		9		2202322	2204254	
B305681-BLK1	QC		10			2204254	
B305681-BS1	QC		11			2204254	
B305681-BSD1	QC		12			2204254	
B305681-MS1	QC		13			2204254	
S073156-CCV2	QC		14		2112026	2204254	
S073156-CCB1	QC		15		2111294	2204254	
B305681-MSD1	QC		16			2204254	
22D0541-15	Antimony 6010 Total	I	17			2204254	
22D0541-15	Arsenic 6010 Total	I	18			2204254	
22D0541-15	Barium 6010 Total	I	19			2204254	
22D0541-15	Beryllium 6010 Total	I	20			2204254	
22D0541-15	Cadmium 6010 Total	I	21			2204254	
22D0541-15	Calcium 6010 Total	I	22			2204254	
22D0541-15	Chromium 6010 Total	I	23			2204254	
22D0541-15	Cobalt 6010 Total	I	24			2204254	
22D0541-15	Copper 6010 Total	I	25			2204254	
22D0541-15	Iron 6010 Total	I	26			2204254	
22D0541-15	Lead 6010 Total	I	27			2204254	
22D0541-15	Magnesium 6010 Total	I	28			2204254	
22D0541-15	Manganese 6010 Total	I	29			2204254	
22D0541-15	Nickel 6010 Total	I	30			2204254	
22D0541-15	Potassium 6010 Total	I	31			2204254	
22D0541-15	Selenium 6010 Total	I	32			2204254	
22D0541-15	Silver 6010 Total	I	33			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-15	Sodium 6010 Total	I	34			2204254	
22D0541-15	Thallium 6010 Total	I	35			2204254	
22D0541-15	Vanadium 6010 Total	I	36			2204254	
22D0541-15	Zinc 6010 Total	I	37			2204254	
22D0541-01	Aluminum 6010 Total	C	38			2204254	
22D0541-01	Antimony 6010 Total	C	39			2204254	
22D0541-01	Arsenic 6010 Total	C	40			2204254	
22D0541-01	Barium 6010 Total	C	41			2204254	
22D0541-01	Beryllium 6010 Total	C	42			2204254	
22D0541-01	Cadmium 6010 Total	C	43			2204254	
22D0541-01	Calcium 6010 Total	C	44			2204254	
22D0541-01	Chromium 6010 Total	C	45			2204254	
22D0541-01	Cobalt 6010 Total	C	46			2204254	
22D0541-01	Copper 6010 Total	C	47			2204254	
22D0541-01	Iron 6010 Total	C	48			2204254	
22D0541-01	Lead 6010 Total	C	49			2204254	
22D0541-01	Manganese 6010 Total	C	50			2204254	
22D0541-01	Nickel 6010 Total	C	51			2204254	
22D0541-01	Potassium 6010 Total	C	52			2204254	
22D0541-01	Selenium 6010 Total	C	53			2204254	
22D0541-01	Silver 6010 Total	C	54			2204254	
22D0541-01	Sodium 6010 Total	C	55			2204254	
22D0541-01	Thallium 6010 Total	C	56			2204254	
22D0541-01	Vanadium 6010 Total	C	57			2204254	
22D0541-01	Zinc 6010 Total	C	58			2204254	
22D0541-02	Aluminum 6010 Total	C	59			2204254	
22D0541-02	Antimony 6010 Total	C	60			2204254	
22D0541-02	Arsenic 6010 Total	C	61			2204254	
22D0541-02	Barium 6010 Total	C	62			2204254	
22D0541-02	Beryllium 6010 Total	C	63			2204254	
22D0541-02	Cadmium 6010 Total	C	64			2204254	
22D0541-02	Calcium 6010 Total	C	65			2204254	
22D0541-02	Chromium 6010 Total	C	66			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-02	Cobalt 6010 Total	C	67			2204254	
22D0541-02	Copper 6010 Total	C	68			2204254	
22D0541-02	Iron 6010 Total	C	69			2204254	
22D0541-02	Lead 6010 Total	C	70			2204254	
22D0541-02	Magnesium 6010 Total	C	71			2204254	
22D0541-02	Manganese 6010 Total	C	72			2204254	
22D0541-02	Nickel 6010 Total	C	73			2204254	
22D0541-02	Potassium 6010 Total	C	74			2204254	
22D0541-02	Selenium 6010 Total	C	75			2204254	
22D0541-02	Silver 6010 Total	C	76			2204254	
22D0541-02	Sodium 6010 Total	C	77			2204254	
22D0541-02	Thallium 6010 Total	C	78			2204254	
22D0541-02	Vanadium 6010 Total	C	79			2204254	
22D0541-02	Zinc 6010 Total	C	80			2204254	
22D0541-03	Aluminum 6010 Total	C	81			2204254	
22D0541-03	Antimony 6010 Total	C	82			2204254	
22D0541-03	Arsenic 6010 Total	C	83			2204254	
22D0541-03	Barium 6010 Total	C	84			2204254	
22D0541-03	Beryllium 6010 Total	C	85			2204254	
22D0541-03	Cadmium 6010 Total	C	86			2204254	
22D0541-03	Calcium 6010 Total	C	87			2204254	
22D0541-03	Chromium 6010 Total	C	88			2204254	
22D0541-03	Cobalt 6010 Total	C	89			2204254	
22D0541-03	Copper 6010 Total	C	90			2204254	
22D0541-03	Iron 6010 Total	C	91			2204254	
22D0541-03	Lead 6010 Total	C	92			2204254	
22D0541-03	Manganese 6010 Total	C	93			2204254	
22D0541-03	Nickel 6010 Total	C	94			2204254	
22D0541-03	Potassium 6010 Total	C	95			2204254	
22D0541-03	Selenium 6010 Total	C	96			2204254	
22D0541-03	Silver 6010 Total	C	97			2204254	
22D0541-03	Sodium 6010 Total	C	98			2204254	
22D0541-03	Thallium 6010 Total	C	99			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-03	Vanadium 6010 Total	C	100			2204254	
22D0541-03	Zinc 6010 Total	C	101			2204254	
22D0541-04	Aluminum 6010 Total	C	102			2204254	
22D0541-04	Antimony 6010 Total	C	103			2204254	
22D0541-04	Arsenic 6010 Total	C	104			2204254	
22D0541-04	Barium 6010 Total	C	105			2204254	
22D0541-04	Beryllium 6010 Total	C	106			2204254	
22D0541-04	Cadmium 6010 Total	C	107			2204254	
22D0541-04	Calcium 6010 Total	C	108			2204254	
22D0541-04	Chromium 6010 Total	C	109			2204254	
22D0541-04	Cobalt 6010 Total	C	110			2204254	
22D0541-04	Copper 6010 Total	C	111			2204254	
22D0541-04	Iron 6010 Total	C	112			2204254	
22D0541-04	Lead 6010 Total	C	113			2204254	
22D0541-04	Manganese 6010 Total	C	114			2204254	
22D0541-04	Nickel 6010 Total	C	115			2204254	
22D0541-04	Potassium 6010 Total	C	116			2204254	
22D0541-04	Selenium 6010 Total	C	117			2204254	
22D0541-04	Silver 6010 Total	C	118			2204254	
22D0541-04	Sodium 6010 Total	C	119			2204254	
22D0541-04	Thallium 6010 Total	C	120			2204254	
22D0541-04	Vanadium 6010 Total	C	121			2204254	
22D0541-04	Zinc 6010 Total	C	122			2204254	
22D0541-05	Aluminum 6010 Total	C	123			2204254	
22D0541-05	Antimony 6010 Total	C	124			2204254	
22D0541-05	Arsenic 6010 Total	C	125			2204254	
22D0541-05	Barium 6010 Total	C	126			2204254	
22D0541-05	Beryllium 6010 Total	C	127			2204254	
22D0541-05	Cadmium 6010 Total	C	128			2204254	
22D0541-05	Calcium 6010 Total	C	129			2204254	
22D0541-05	Chromium 6010 Total	C	130			2204254	
22D0541-05	Cobalt 6010 Total	C	131			2204254	
22D0541-05	Copper 6010 Total	C	132			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-05	Iron 6010 Total	C	133			2204254	
22D0541-05	Lead 6010 Total	C	134			2204254	
22D0541-05	Manganese 6010 Total	C	135			2204254	
22D0541-05	Nickel 6010 Total	C	136			2204254	
22D0541-05	Potassium 6010 Total	C	137			2204254	
22D0541-05	Selenium 6010 Total	C	138			2204254	
22D0541-05	Silver 6010 Total	C	139			2204254	
22D0541-05	Sodium 6010 Total	C	140			2204254	
22D0541-05	Thallium 6010 Total	C	141			2204254	
22D0541-05	Vanadium 6010 Total	C	142			2204254	
22D0541-05	Zinc 6010 Total	C	143			2204254	
22D0541-06	Aluminum 6010 Total	C	144			2204254	
22D0541-06	Antimony 6010 Total	C	145			2204254	
22D0541-06	Arsenic 6010 Total	C	146			2204254	
22D0541-06	Barium 6010 Total	C	147			2204254	
22D0541-06	Beryllium 6010 Total	C	148			2204254	
22D0541-06	Cadmium 6010 Total	C	149			2204254	
22D0541-06	Calcium 6010 Total	C	150			2204254	
22D0541-06	Chromium 6010 Total	C	151			2204254	
22D0541-06	Cobalt 6010 Total	C	152			2204254	
22D0541-06	Copper 6010 Total	C	153			2204254	
22D0541-06	Iron 6010 Total	C	154			2204254	
22D0541-06	Lead 6010 Total	C	155			2204254	
22D0541-06	Manganese 6010 Total	C	156			2204254	
22D0541-06	Nickel 6010 Total	C	157			2204254	
22D0541-06	Potassium 6010 Total	C	158			2204254	
22D0541-06	Selenium 6010 Total	C	159			2204254	
22D0541-06	Silver 6010 Total	C	160			2204254	
22D0541-06	Sodium 6010 Total	C	161			2204254	
22D0541-06	Thallium 6010 Total	C	162			2204254	
22D0541-06	Vanadium 6010 Total	C	163			2204254	
22D0541-06	Zinc 6010 Total	C	164			2204254	
S073156-CCV3	QC		165		2112026	2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073156-CCB2	QC		166		2111294	2204254	
22D0541-07	Aluminum 6010 Total	C	167			2204254	
22D0541-07	Antimony 6010 Total	C	168			2204254	
22D0541-07	Arsenic 6010 Total	C	169			2204254	
22D0541-07	Barium 6010 Total	C	170			2204254	
22D0541-07	Beryllium 6010 Total	C	171			2204254	
22D0541-07	Cadmium 6010 Total	C	172			2204254	
22D0541-07	Calcium 6010 Total	C	173			2204254	
22D0541-07	Chromium 6010 Total	C	174			2204254	
22D0541-07	Cobalt 6010 Total	C	175			2204254	
22D0541-07	Copper 6010 Total	C	176			2204254	
22D0541-07	Iron 6010 Total	C	177			2204254	
22D0541-07	Lead 6010 Total	C	178			2204254	
22D0541-07	Magnesium 6010 Total	C	179			2204254	
22D0541-07	Manganese 6010 Total	C	180			2204254	
22D0541-07	Nickel 6010 Total	C	181			2204254	
22D0541-07	Potassium 6010 Total	C	182			2204254	
22D0541-07	Selenium 6010 Total	C	183			2204254	
22D0541-07	Silver 6010 Total	C	184			2204254	
22D0541-07	Sodium 6010 Total	C	185			2204254	
22D0541-07	Thallium 6010 Total	C	186			2204254	
22D0541-07	Vanadium 6010 Total	C	187			2204254	
22D0541-07	Zinc 6010 Total	C	188			2204254	
22D0541-08	Aluminum 6010 Total	C	189			2204254	
22D0541-08	Antimony 6010 Total	C	190			2204254	
22D0541-08	Arsenic 6010 Total	C	191			2204254	
22D0541-08	Barium 6010 Total	C	192			2204254	
22D0541-08	Beryllium 6010 Total	C	193			2204254	
22D0541-08	Cadmium 6010 Total	C	194			2204254	
22D0541-08	Calcium 6010 Total	C	195			2204254	
22D0541-08	Chromium 6010 Total	C	196			2204254	
22D0541-08	Cobalt 6010 Total	C	197			2204254	
22D0541-08	Copper 6010 Total	C	198			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-08	Iron 6010 Total	C	199			2204254	
22D0541-08	Lead 6010 Total	C	200			2204254	
22D0541-08	Magnesium 6010 Total	C	201			2204254	
22D0541-08	Manganese 6010 Total	C	202			2204254	
22D0541-08	Nickel 6010 Total	C	203			2204254	
22D0541-08	Potassium 6010 Total	C	204			2204254	
22D0541-08	Selenium 6010 Total	C	205			2204254	
22D0541-08	Silver 6010 Total	C	206			2204254	
22D0541-08	Sodium 6010 Total	C	207			2204254	
22D0541-08	Thallium 6010 Total	C	208			2204254	
22D0541-08	Vanadium 6010 Total	C	209			2204254	
22D0541-08	Zinc 6010 Total	C	210			2204254	
22D0541-09	Aluminum 6010 Total	C	211			2204254	
22D0541-09	Antimony 6010 Total	C	212			2204254	
22D0541-09	Arsenic 6010 Total	C	213			2204254	
22D0541-09	Barium 6010 Total	C	214			2204254	
22D0541-09	Beryllium 6010 Total	C	215			2204254	
22D0541-09	Cadmium 6010 Total	C	216			2204254	
22D0541-09	Calcium 6010 Total	C	217			2204254	
22D0541-09	Chromium 6010 Total	C	218			2204254	
22D0541-09	Cobalt 6010 Total	C	219			2204254	
22D0541-09	Copper 6010 Total	C	220			2204254	
22D0541-09	Iron 6010 Total	C	221			2204254	
22D0541-09	Lead 6010 Total	C	222			2204254	
22D0541-09	Manganese 6010 Total	C	223			2204254	
22D0541-09	Nickel 6010 Total	C	224			2204254	
22D0541-09	Potassium 6010 Total	C	225			2204254	
22D0541-09	Selenium 6010 Total	C	226			2204254	
22D0541-09	Silver 6010 Total	C	227			2204254	
22D0541-09	Sodium 6010 Total	C	228			2204254	
22D0541-09	Thallium 6010 Total	C	229			2204254	
22D0541-09	Vanadium 6010 Total	C	230			2204254	
22D0541-09	Zinc 6010 Total	C	231			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-10	Aluminum 6010 Total	C	232			2204254	
22D0541-10	Antimony 6010 Total	C	233			2204254	
22D0541-10	Arsenic 6010 Total	C	234			2204254	
22D0541-10	Barium 6010 Total	C	235			2204254	
22D0541-10	Beryllium 6010 Total	C	236			2204254	
22D0541-10	Cadmium 6010 Total	C	237			2204254	
22D0541-10	Calcium 6010 Total	C	238			2204254	
22D0541-10	Chromium 6010 Total	C	239			2204254	
22D0541-10	Cobalt 6010 Total	C	240			2204254	
22D0541-10	Copper 6010 Total	C	241			2204254	
22D0541-10	Iron 6010 Total	C	242			2204254	
22D0541-10	Lead 6010 Total	C	243			2204254	
22D0541-10	Magnesium 6010 Total	C	244			2204254	
22D0541-10	Manganese 6010 Total	C	245			2204254	
22D0541-10	Nickel 6010 Total	C	246			2204254	
22D0541-10	Potassium 6010 Total	C	247			2204254	
22D0541-10	Selenium 6010 Total	C	248			2204254	
22D0541-10	Silver 6010 Total	C	249			2204254	
22D0541-10	Sodium 6010 Total	C	250			2204254	
22D0541-10	Thallium 6010 Total	C	251			2204254	
22D0541-10	Vanadium 6010 Total	C	252			2204254	
22D0541-10	Zinc 6010 Total	C	253			2204254	
22D0541-11	Aluminum 6010 Total	C	254			2204254	
22D0541-11	Antimony 6010 Total	C	255			2204254	
22D0541-11	Arsenic 6010 Total	C	256			2204254	
22D0541-11	Barium 6010 Total	C	257			2204254	
22D0541-11	Beryllium 6010 Total	C	258			2204254	
22D0541-11	Cadmium 6010 Total	C	259			2204254	
22D0541-11	Calcium 6010 Total	C	260			2204254	
22D0541-11	Chromium 6010 Total	C	261			2204254	
22D0541-11	Cobalt 6010 Total	C	262			2204254	
22D0541-11	Copper 6010 Total	C	263			2204254	
22D0541-11	Iron 6010 Total	C	264			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-11	Lead 6010 Total	C	265			2204254	
22D0541-11	Magnesium 6010 Total	C	266			2204254	
22D0541-11	Manganese 6010 Total	C	267			2204254	
22D0541-11	Nickel 6010 Total	C	268			2204254	
22D0541-11	Potassium 6010 Total	C	269			2204254	
22D0541-11	Selenium 6010 Total	C	270			2204254	
22D0541-11	Silver 6010 Total	C	271			2204254	
22D0541-11	Sodium 6010 Total	C	272			2204254	
22D0541-11	Thallium 6010 Total	C	273			2204254	
22D0541-11	Vanadium 6010 Total	C	274			2204254	
22D0541-11	Zinc 6010 Total	C	275			2204254	
22D0541-12	Aluminum 6010 Total	C	276			2204254	
22D0541-12	Antimony 6010 Total	C	277			2204254	
22D0541-12	Arsenic 6010 Total	C	278			2204254	
22D0541-12	Barium 6010 Total	C	279			2204254	
22D0541-12	Beryllium 6010 Total	C	280			2204254	
22D0541-12	Cadmium 6010 Total	C	281			2204254	
22D0541-12	Calcium 6010 Total	C	282			2204254	
22D0541-12	Chromium 6010 Total	C	283			2204254	
22D0541-12	Cobalt 6010 Total	C	284			2204254	
22D0541-12	Copper 6010 Total	C	285			2204254	
22D0541-12	Iron 6010 Total	C	286			2204254	
22D0541-12	Lead 6010 Total	C	287			2204254	
22D0541-12	Manganese 6010 Total	C	288			2204254	
22D0541-12	Nickel 6010 Total	C	289			2204254	
22D0541-12	Potassium 6010 Total	C	290			2204254	
22D0541-12	Selenium 6010 Total	C	291			2204254	
22D0541-12	Silver 6010 Total	C	292			2204254	
22D0541-12	Sodium 6010 Total	C	293			2204254	
22D0541-12	Thallium 6010 Total	C	294			2204254	
22D0541-12	Vanadium 6010 Total	C	295			2204254	
22D0541-12	Zinc 6010 Total	C	296			2204254	
22D0541-13	Aluminum 6010 Total	C	297			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-13	Antimony 6010 Total	C	298			2204254	
22D0541-13	Arsenic 6010 Total	C	299			2204254	
22D0541-13	Barium 6010 Total	C	300			2204254	
22D0541-13	Beryllium 6010 Total	C	301			2204254	
22D0541-13	Cadmium 6010 Total	C	302			2204254	
22D0541-13	Calcium 6010 Total	C	303			2204254	
22D0541-13	Chromium 6010 Total	C	304			2204254	
22D0541-13	Cobalt 6010 Total	C	305			2204254	
22D0541-13	Copper 6010 Total	C	306			2204254	
22D0541-13	Iron 6010 Total	C	307			2204254	
22D0541-13	Lead 6010 Total	C	308			2204254	
22D0541-13	Manganese 6010 Total	C	309			2204254	
22D0541-13	Nickel 6010 Total	C	310			2204254	
22D0541-13	Potassium 6010 Total	C	311			2204254	
22D0541-13	Selenium 6010 Total	C	312			2204254	
22D0541-13	Silver 6010 Total	C	313			2204254	
22D0541-13	Sodium 6010 Total	C	314			2204254	
22D0541-13	Thallium 6010 Total	C	315			2204254	
22D0541-13	Vanadium 6010 Total	C	316			2204254	
22D0541-13	Zinc 6010 Total	C	317			2204254	
22D0541-14	Aluminum 6010 Total	C	318			2204254	
22D0541-14	Antimony 6010 Total	C	319			2204254	
22D0541-14	Arsenic 6010 Total	C	320			2204254	
22D0541-14	Barium 6010 Total	C	321			2204254	
22D0541-14	Beryllium 6010 Total	C	322			2204254	
22D0541-14	Cadmium 6010 Total	C	323			2204254	
22D0541-14	Calcium 6010 Total	C	324			2204254	
22D0541-14	Chromium 6010 Total	C	325			2204254	
22D0541-14	Cobalt 6010 Total	C	326			2204254	
22D0541-14	Copper 6010 Total	C	327			2204254	
22D0541-14	Iron 6010 Total	C	328			2204254	
22D0541-14	Lead 6010 Total	C	329			2204254	
22D0541-14	Magnesium 6010 Total	C	330			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-14	Manganese 6010 Total	C	331			2204254	
22D0541-14	Nickel 6010 Total	C	332			2204254	
22D0541-14	Potassium 6010 Total	C	333			2204254	
22D0541-14	Selenium 6010 Total	C	334			2204254	
22D0541-14	Silver 6010 Total	C	335			2204254	
22D0541-14	Sodium 6010 Total	C	336			2204254	
22D0541-14	Thallium 6010 Total	C	337			2204254	
22D0541-14	Vanadium 6010 Total	C	338			2204254	
22D0541-14	Zinc 6010 Total	C	339			2204254	
22D0541-16	Aluminum 6010 Total	C	340			2204254	
22D0541-16	Antimony 6010 Total	C	341			2204254	
22D0541-16	Arsenic 6010 Total	C	342			2204254	
22D0541-16	Barium 6010 Total	C	343			2204254	
22D0541-16	Beryllium 6010 Total	C	344			2204254	
22D0541-16	Cadmium 6010 Total	C	345			2204254	
22D0541-16	Calcium 6010 Total	C	346			2204254	
22D0541-16	Chromium 6010 Total	C	347			2204254	
22D0541-16	Cobalt 6010 Total	C	348			2204254	
22D0541-16	Copper 6010 Total	C	349			2204254	
22D0541-16	Iron 6010 Total	C	350			2204254	
22D0541-16	Lead 6010 Total	C	351			2204254	
22D0541-16	Magnesium 6010 Total	C	352			2204254	
22D0541-16	Manganese 6010 Total	C	353			2204254	
22D0541-16	Nickel 6010 Total	C	354			2204254	
22D0541-16	Potassium 6010 Total	C	355			2204254	
22D0541-16	Selenium 6010 Total	C	356			2204254	
22D0541-16	Silver 6010 Total	C	357			2204254	
22D0541-16	Sodium 6010 Total	C	358			2204254	
22D0541-16	Thallium 6010 Total	C	359			2204254	
22D0541-16	Vanadium 6010 Total	C	360			2204254	
22D0541-16	Zinc 6010 Total	C	361			2204254	
22D0541-17	Aluminum 6010 Total	C	362			2204254	
22D0541-17	Antimony 6010 Total	C	363			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-17	Arsenic 6010 Total	C	364			2204254	
22D0541-17	Barium 6010 Total	C	365			2204254	
22D0541-17	Beryllium 6010 Total	C	366			2204254	
22D0541-17	Cadmium 6010 Total	C	367			2204254	
22D0541-17	Calcium 6010 Total	C	368			2204254	
22D0541-17	Chromium 6010 Total	C	369			2204254	
22D0541-17	Cobalt 6010 Total	C	370			2204254	
22D0541-17	Copper 6010 Total	C	371			2204254	
22D0541-17	Iron 6010 Total	C	372			2204254	
22D0541-17	Lead 6010 Total	C	373			2204254	
22D0541-17	Magnesium 6010 Total	C	374			2204254	
22D0541-17	Manganese 6010 Total	C	375			2204254	
22D0541-17	Nickel 6010 Total	C	376			2204254	
22D0541-17	Potassium 6010 Total	C	377			2204254	
22D0541-17	Selenium 6010 Total	C	378			2204254	
22D0541-17	Silver 6010 Total	C	379			2204254	
22D0541-17	Sodium 6010 Total	C	380			2204254	
22D0541-17	Thallium 6010 Total	C	381			2204254	
22D0541-17	Vanadium 6010 Total	C	382			2204254	
22D0541-17	Zinc 6010 Total	C	383			2204254	
S073156-CCV4	QC		384		2112026	2204254	
S073156-CCB3	QC		385		2111294	2204254	
22D0541-18	Aluminum 6010 Total	C	386			2204254	
22D0541-18	Antimony 6010 Total	C	387			2204254	
22D0541-18	Arsenic 6010 Total	C	388			2204254	
22D0541-18	Barium 6010 Total	C	389			2204254	
22D0541-18	Beryllium 6010 Total	C	390			2204254	
22D0541-18	Cadmium 6010 Total	C	391			2204254	
22D0541-18	Calcium 6010 Total	C	392			2204254	
22D0541-18	Chromium 6010 Total	C	393			2204254	
22D0541-18	Cobalt 6010 Total	C	394			2204254	
22D0541-18	Copper 6010 Total	C	395			2204254	
22D0541-18	Iron 6010 Total	C	396			2204254	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

S073156

Instrument: ICP2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
22D0541-18	Lead 6010 Total	C	397			2204254	
22D0541-18	Magnesium 6010 Total	C	398			2204254	
22D0541-18	Manganese 6010 Total	C	399			2204254	
22D0541-18	Nickel 6010 Total	C	400			2204254	
22D0541-18	Potassium 6010 Total	C	401			2204254	
22D0541-18	Selenium 6010 Total	C	402			2204254	
22D0541-18	Silver 6010 Total	C	403			2204254	
22D0541-18	Sodium 6010 Total	C	404			2204254	
22D0541-18	Thallium 6010 Total	C	405			2204254	
22D0541-18	Vanadium 6010 Total	C	406			2204254	
22D0541-18	Zinc 6010 Total	C	407			2204254	
S073156-CCV5	QC		408		2112026	2204254	
S073156-CCB4	QC		409		2111294	2204254	
S073156-IFA2	QC		410		2202319	2204254	
S073156-IFB2	QC		411		2202320	2204254	

Samples Loaded By Date

Data Processed By Date

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Analysis Begun

Start Time: 4/14/2022 10:42:06 AM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/14/2022 10:42:07 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	55228.0	219.30	0.40%	100	%
Y axial	3167509.2	41554.18	1.31%	100	%
Ag 328.068†	-31.1	69.44	223.50%	[0.00]	mg/L
Al 396.153†	-178.0	0.43	0.24%	[0.00]	mg/L
As 188.979†	-29.2	2.38	8.16%	[0.00]	mg/L
B 208.889†	-35.4	5.93	16.76%	[0.00]	mg/L
Ba 233.527†	-42.2	12.95	30.68%	[0.00]	mg/L
Be 313.107†	645.0	9.27	1.44%	[0.00]	mg/L
Ca 317.933†	292.8	7.49	2.56%	[0.00]	mg/L
Cd 228.802†	180.9	22.19	12.27%	[0.00]	mg/L
Co 228.616†	-516.3	9.93	1.92%	[0.00]	mg/L
Cr 267.716†	870.9	14.07	1.62%	[0.00]	mg/L
Cu 327.393†	175.6	49.28	28.06%	[0.00]	mg/L
Fe 238.204†	-170.8	5.28	3.09%	[0.00]	mg/L
K 766.490†	1316.6	61.63	4.68%	[0.00]	mg/L
Mg 285.213†	-4.9	3.52	71.41%	[0.00]	mg/L
Mn 257.610†	-18.7	10.63	56.96%	[0.00]	mg/L
Mo 202.031†	411.5	1.64	0.40%	[0.00]	mg/L
Na 589.592†	1464.9	39.09	2.67%	[0.00]	mg/L
Ni 231.604†	428.4	4.43	1.03%	[0.00]	mg/L
Pb 220.353†	184.0	3.49	1.90%	[0.00]	mg/L
Sb 206.836†	68.1	8.12	11.93%	[0.00]	mg/L
Se 196.026†	2.1	7.73	363.87%	[0.00]	mg/L
Sn 189.927†	-59.2	1.41	2.39%	[0.00]	mg/L
Ti 337.279†	-259.6	10.56	4.07%	[0.00]	mg/L
Tl 351.924†	-86.2	88.50	102.70%	[0.00]	mg/L
V 290.880†	3999.9	22.45	0.56%	[0.00]	mg/L
Zn 206.200†	125.8	16.83	13.38%	[0.00]	mg/L
Zr 343.823†	427.6	87.33	20.42%	[0.00]	mg/L

User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 10:48:12 AM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**

Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/14/2022 10:48:13 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	53665.2	758.32	1.41%	97.2	%
Y axial	3133446.9	26983.08	0.86%	98.9	%
Ag 328.068†	-148.2	37.38	25.22%	[0.00]	mg/L
Al 396.153†	-180.8	2.34	1.29%	[0.00]	mg/L
As 188.979†	-30.5	2.67	8.75%	[0.00]	mg/L
B 208.889†	-31.9	15.45	48.36%	[0.00]	mg/L
Ba 233.527†	-10.2	13.11	128.14%	[0.00]	mg/L
Be 313.107†	652.7	9.08	1.39%	[0.00]	mg/L
Ca 317.933†	294.4	17.09	5.81%	[0.00]	mg/L
Cd 228.802†	182.4	7.86	4.31%	[0.00]	mg/L
Co 228.616†	-511.4	4.69	0.92%	[0.00]	mg/L
Cr 267.716†	922.7	76.68	8.31%	[0.00]	mg/L
Cu 327.393†	49.1	113.27	230.48%	[0.00]	mg/L
Fe 238.204†	-170.8	3.79	2.22%	[0.00]	mg/L
K 766.490†	1342.4	25.19	1.88%	[0.00]	mg/L
Mg 285.213†	0.5	2.56	467.56%	[0.00]	mg/L
Mn 257.610†	-18.8	6.08	32.36%	[0.00]	mg/L
Mo 202.031†	408.9	15.98	3.91%	[0.00]	mg/L
Na 589.592†	1432.8	37.58	2.62%	[0.00]	mg/L
Ni 231.604†	432.3	21.18	4.90%	[0.00]	mg/L
Pb 220.353†	185.5	19.23	10.37%	[0.00]	mg/L
Sb 206.836†	67.6	17.67	26.15%	[0.00]	mg/L
Se 196.026†	3.8	3.40	90.47%	[0.00]	mg/L
Sn 189.927†	-55.5	4.31	7.76%	[0.00]	mg/L
Ti 337.279†	-266.0	3.00	1.13%	[0.00]	mg/L
Tl 351.924†	-54.6	41.61	76.26%	[0.00]	mg/L
V 290.880†	4123.9	61.46	1.49%	[0.00]	mg/L
Zn 206.200†	133.0	7.39	5.55%	[0.00]	mg/L
Zr 343.823†	456.4	53.90	11.81%	[0.00]	mg/L

User canceled analysis.

Analysis Begun

Start Time: 4/14/2022 10:56:58 AM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/14/2022 10:56:59 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	53701.9	599.13	1.12%	97.2	%
Y axial	3172232.7	6751.13	0.21%	100	%
Ag 328.068†	-150.4	206.04	136.98%	[0.00]	mg/L
Al 396.153†	-180.6	2.09	1.15%	[0.00]	mg/L
As 188.979†	-34.7	3.09	8.88%	[0.00]	mg/L

B 208.889†	-32.1	14.81	46.15%	[0.00]	mg/L
Ba 233.527†	-17.2	4.91	28.55%	[0.00]	mg/L
Be 313.107†	643.4	14.22	2.21%	[0.00]	mg/L
Ca 317.933†	298.7	3.49	1.17%	[0.00]	mg/L
Cd 228.802†	178.4	8.01	4.49%	[0.00]	mg/L
Co 228.616†	-513.3	8.31	1.62%	[0.00]	mg/L
Cr 267.716†	892.7	5.43	0.61%	[0.00]	mg/L
Cu 327.393†	65.8	69.48	105.59%	[0.00]	mg/L
Fe 238.204†	-169.3	8.67	5.12%	[0.00]	mg/L
K 766.490†	1296.0	56.04	4.32%	[0.00]	mg/L
Mg 285.213†	-1.3	3.59	283.52%	[0.00]	mg/L
Mn 257.610†	-17.0	1.22	7.14%	[0.00]	mg/L
Mo 202.031†	409.4	5.31	1.30%	[0.00]	mg/L
Na 589.592†	1423.0	50.54	3.55%	[0.00]	mg/L
Ni 231.604†	447.1	4.41	0.99%	[0.00]	mg/L
Pb 220.353†	183.8	15.80	8.59%	[0.00]	mg/L
Sb 206.836†	74.8	5.77	7.72%	[0.00]	mg/L
Se 196.026†	4.3	2.33	54.16%	[0.00]	mg/L
Sn 189.927†	-61.5	3.97	6.45%	[0.00]	mg/L
Ti 337.279†	-271.3	7.61	2.80%	[0.00]	mg/L
Tl 351.924†	-25.4	25.13	99.08%	[0.00]	mg/L
V 290.880†	4052.3	92.27	2.28%	[0.00]	mg/L
Zn 206.200†	133.8	9.62	7.19%	[0.00]	mg/L
Zr 343.823†	489.5	58.66	11.98%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: SEQ-CAL1@ 2112021 **Date Collected: 4/14/2022 11:02:42 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-CAL1@ 2112021

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	54805.2	575.72	1.05%	99.2	%
Y axial	3195175.6	47921.59	1.50%	101	%
Ag 328.068†	6200.2	50.74	0.82%	[0.0625]	mg/L
Al 396.153†	244.7	4.86	1.99%	[0.25]	mg/L
As 188.979†	409.1	3.02	0.74%	[0.125]	mg/L
B 208.889†	2023.9	36.86	1.82%	[0.125]	mg/L
Ba 233.527†	20241.1	338.57	1.67%	[0.125]	mg/L
Be 313.107†	12440.5	123.16	0.99%	[0.125]	mg/L
Ca 317.933†	734.6	18.23	2.48%	[0.250]	mg/L
Cd 228.802†	14125.6	259.45	1.84%	[0.125]	mg/L
Co 228.616†	13465.7	227.96	1.69%	[0.125]	mg/L
Cr 267.716†	15330.3	277.33	1.81%	[0.125]	mg/L
Cu 327.393†	16953.5	47.78	0.28%	[0.125]	mg/L
Fe 238.204†	310.0	6.61	2.13%	[0.125]	mg/L
K 766.490†	372.8	71.90	19.29%	[0.250]	mg/L
Mg 285.213†	1083.9	3.42	0.32%	[0.25]	mg/L
Mn 257.610†	1758.9	21.45	1.22%	[0.125]	mg/L
Mo 202.031†	2710.1	58.52	2.16%	[0.125]	mg/L
Na 589.592†	877.4	66.12	7.54%	[0.25]	mg/L
Ni 231.604†	5553.8	103.59	1.87%	[0.125]	mg/L
Pb 220.353†	2019.1	39.47	1.95%	[0.125]	mg/L
Sb 206.836†	637.2	5.73	0.90%	[0.125]	mg/L
Se 196.026†	136.2	8.23	6.04%	[0.125]	mg/L
Sn 189.927†	1182.1	21.97	1.86%	[0.125]	mg/L
Ti 337.279†	735.9	11.47	1.56%	[0.125]	mg/L
Tl 351.924†	371.6	69.67	18.75%	[0.0625]	mg/L
V 290.880†	23968.8	137.53	0.57%	[0.125]	mg/L
Zn 206.200†	15261.3	275.66	1.81%	[0.125]	mg/L
Zr 343.823†	35757.5	54.34	0.15%	[0.125]	mg/L

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: SEQ-CAL2@ 2112022 **Date Collected: 4/14/2022 11:10:04 AM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CAL2@ 2112022

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	55393.6	443.35	0.80%	100	%
Y axial	3147030.1	40226.02	1.28%	99.4	%
Ag 328.068†	24546.8	522.60	2.13%	[0.25]	mg/L
Al 396.153†	949.7	11.08	1.17%	[1]	mg/L
As 188.979†	1638.5	29.37	1.79%	[0.5]	mg/L
B 208.889†	8037.6	109.60	1.36%	[0.5]	mg/L
Ba 233.527†	79460.4	212.95	0.27%	[0.5]	mg/L
Be 313.107†	49448.0	68.81	0.14%	[0.5]	mg/L
Ca 317.933†	2923.2	33.98	1.16%	[1]	mg/L
Cd 228.802†	55719.0	297.54	0.53%	[0.5]	mg/L
Co 228.616†	53240.7	214.54	0.40%	[0.5]	mg/L
Cr 267.716†	59641.0	181.20	0.30%	[0.5]	mg/L
Cu 327.393†	66981.8	285.84	0.43%	[0.5]	mg/L
Fe 238.204†	1203.5	15.92	1.32%	[0.5]	mg/L
K 766.490†	1506.4	47.92	3.18%	[1]	mg/L
Mg 285.213†	4151.5	42.85	1.03%	[1]	mg/L
Mn 257.610†	6778.7	63.67	0.94%	[0.5]	mg/L
Mo 202.031†	10737.8	178.14	1.66%	[0.5]	mg/L
Na 589.592†	3559.8	36.61	1.03%	[1]	mg/L
Ni 231.604†	22392.6	346.48	1.55%	[0.5]	mg/L
Pb 220.353†	8002.8	116.55	1.46%	[0.5]	mg/L
Sb 206.836†	2527.5	45.80	1.81%	[0.5]	mg/L
Se 196.026†	533.9	6.09	1.14%	[0.5]	mg/L
Sn 189.927†	4671.8	60.00	1.28%	[0.5]	mg/L
Ti 337.279†	2865.0	30.45	1.06%	[0.5]	mg/L
Tl 351.924†	1743.0	76.91	4.41%	[0.25]	mg/L
V 290.880†	95309.4	287.70	0.30%	[0.5]	mg/L
Zn 206.200†	60827.7	372.37	0.61%	[0.5]	mg/L
Zr 343.823†	143029.6	210.05	0.15%	[0.5]	mg/L

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: SEQ-CAL3@ 2112023 **Date Collected: 4/14/2022 11:17:31 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CAL3@ 2112023

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	56575.0	729.15	1.29%	102	%
Y axial	3322732.7	5823.55	0.18%	105	%
Ag 328.068†	44024.4	467.03	1.06%	[0.5]	mg/L
Al 396.153†	1761.0	23.87	1.36%	[2]	mg/L
As 188.979†	2971.7	10.65	0.36%	[1]	mg/L
B 208.889†	15062.9	49.46	0.33%	[1]	mg/L
Ba 233.527†	145795.2	211.74	0.15%	[1]	mg/L
Be 313.107†	91098.2	467.58	0.51%	[1]	mg/L
Ca 317.933†	5439.2	101.04	1.86%	[2]	mg/L
Cd 228.802†	102515.3	380.09	0.37%	[1]	mg/L
Co 228.616†	98029.7	202.24	0.21%	[1]	mg/L
Cr 267.716†	109611.7	149.01	0.14%	[1]	mg/L
Cu 327.393†	122927.8	325.60	0.26%	[1]	mg/L
Fe 238.204†	2236.1	41.41	1.85%	[1]	mg/L
K 766.490†	2811.2	80.80	2.87%	[2]	mg/L
Mg 285.213†	7711.0	113.79	1.48%	[2]	mg/L
Mn 257.610†	12709.5	210.73	1.66%	[1]	mg/L
Mo 202.031†	19912.4	56.18	0.28%	[1]	mg/L
Na 589.592†	6519.8	46.70	0.72%	[2]	mg/L

Ni 231.604†	40732.0	67.48	0.17%	[1]	mg/L
Pb 220.353†	14463.0	44.11	0.31%	[1]	mg/L
Sb 206.836†	4684.4	28.24	0.60%	[1]	mg/L
Se 196.026†	966.0	0.70	0.07%	[1]	mg/L
Sn 189.927†	8607.6	33.25	0.39%	[1]	mg/L
Ti 337.279†	5495.6	92.72	1.69%	[1]	mg/L
Tl 351.924†	3378.8	38.13	1.13%	[0.5]	mg/L
V 290.880†	176150.8	502.71	0.29%	[1]	mg/L
Zn 206.200†	112208.7	368.41	0.33%	[1]	mg/L
Zr 343.823†	269846.5	530.94	0.20%	[1]	mg/L

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: SEQ-CAL4@ 2112024 **Date Collected: 4/14/2022 11:24:58 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CAL4@ 2112024

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	53609.9	699.43	1.30%	97.1	%
Y axial	3041520.1	11336.70	0.37%	96.0	%
Ag 328.068†	227819.4	3287.77	1.44%	[2.5]	mg/L
Al 396.153†	9294.1	11.11	0.12%	[10]	mg/L
As 188.979†	16378.2	236.75	1.45%	[5]	mg/L
B 208.889†	82799.8	962.58	1.16%	[5]	mg/L
Ba 233.527†	778626.3	1096.23	0.14%	[5]	mg/L
Be 313.107†	497518.2	1351.19	0.27%	[5]	mg/L
Ca 317.933†	28968.0	72.78	0.25%	[10]	mg/L
Cd 228.802†	553856.1	1193.01	0.22%	[5]	mg/L
Co 228.616†	524938.0	756.16	0.14%	[5]	mg/L
Cr 267.716†	590713.9	932.50	0.16%	[5]	mg/L
Cu 327.393†	658452.2	859.66	0.13%	[5]	mg/L
Fe 238.204†	11949.8	25.20	0.21%	[5]	mg/L
K 766.490†	15519.0	59.46	0.38%	[10]	mg/L
Mg 285.213†	40565.6	73.46	0.18%	[10]	mg/L
Mn 257.610†	67467.6	108.37	0.16%	[5]	mg/L
Mo 202.031†	109363.0	152.84	0.14%	[5]	mg/L
Na 589.592†	35553.6	194.54	0.55%	[10]	mg/L
Ni 231.604†	217987.2	424.42	0.19%	[5]	mg/L
Pb 220.353†	78223.2	316.00	0.40%	[5]	mg/L
Sb 206.836†	25442.5	339.45	1.33%	[5]	mg/L
Se 196.026†	5274.6	14.01	0.27%	[5]	mg/L
Sn 189.927†	46514.6	447.52	0.96%	[5]	mg/L
Ti 337.279†	29676.8	29.30	0.10%	[5]	mg/L
Tl 351.924†	18055.6	90.45	0.50%	[2.5]	mg/L
V 290.880†	964984.4	1574.53	0.16%	[5]	mg/L
Zn 206.200†	604773.2	2033.89	0.34%	[5]	mg/L
Zr 343.823†	1461760.0	1947.86	0.13%	[5]	mg/L

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Sequence No.: 6 **Autosampler Location: 6**
Sample ID: SEQ-CAL5@ 2112025 **Date Collected: 4/14/2022 11:30:34 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CAL5@ 2112025

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	53416.8	566.56	1.06%	96.7	%
Y axial	3013387.9	9886.96	0.33%	95.1	%
Ag 328.068†	438033.3	7810.60	1.78%	[5]	mg/L
Al 396.153†	17991.9	27.36	0.15%	[20]	mg/L
As 188.979†	32645.4	426.90	1.31%	[10]	mg/L

B 208.889†	163548.4	1810.78	1.11%	[10] mg/L
Ba 233.527†	1525086.9	3933.03	0.26%	[10] mg/L
Be 313.107†	971830.1	8088.50	0.83%	[10] mg/L
Ca 317.933†	56016.0	75.06	0.13%	[20] mg/L
Cd 228.802†	1090073.7	3512.59	0.32%	[10] mg/L
Co 228.616†	1029890.5	3320.90	0.32%	[10] mg/L
Cr 267.716†	1159041.5	3273.04	0.28%	[10] mg/L
Cu 327.393†	1298515.8	3311.30	0.26%	[10] mg/L
Fe 238.204†	23153.6	89.86	0.39%	[10] mg/L
K 766.490†	30599.0	86.82	0.28%	[20] mg/L
Mg 285.213†	77757.7	108.57	0.14%	[20] mg/L
Mn 257.610†	133085.6	273.65	0.21%	[10] mg/L
Mo 202.031†	215551.2	682.09	0.32%	[10] mg/L
Na 589.592†	69185.0	69.80	0.10%	[20] mg/L
Ni 231.604†	427153.1	1321.59	0.31%	[10] mg/L
Pb 220.353†	153842.3	1540.76	1.00%	[10] mg/L
Sb 206.836†	50419.7	439.55	0.87%	[10] mg/L
Se 196.026†	10473.7	138.14	1.32%	[10] mg/L
Sn 189.927†	91190.0	1010.40	1.11%	[10] mg/L
Ti 337.279†	58790.3	46.93	0.08%	[10] mg/L
Tl 351.924†	36850.9	316.87	0.86%	[5] mg/L
V 290.880†	1906265.7	5048.49	0.26%	[10] mg/L
Zn 206.200†	1181609.6	3704.65	0.31%	[10] mg/L
Zr 343.823†	2881363.2	7367.65	0.26%	[10] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	5	Lin Thru 0	0.0	88330	0.00000	0.999861	
Al 396.153	5	Lin Thru 0	0.0	905.5	0.00000	0.999908	
As 188.979	5	Lin Thru 0	0.0	3264	0.00000	0.999967	
B 208.889	5	Lin Thru 0	0.0	16380	0.00000	0.999961	
Ba 233.527	5	Lin Thru 0	0.0	153100	0.00000	0.999954	
Be 313.107	5	Lin Thru 0	0.0	97600	0.00000	0.999937	
Ca 317.933	5	Lin Thru 0	0.0	2819	0.00000	0.999902	
Cd 228.802	5	Lin Thru 0	0.0	109300	0.00000	0.999964	
Co 228.616	5	Lin Thru 0	0.0	103400	0.00000	0.999959	
Cr 267.716	5	Lin Thru 0	0.0	116300	0.00000	0.999957	
Cu 327.393	5	Lin Thru 0	0.0	130200	0.00000	0.999971	
Fe 238.204	5	Lin Thru 0	0.0	2330	0.00000	0.999911	
K 766.490	5	Lin Thru 0	0.0	1533	0.00000	0.999956	
Mg 285.213	5	Lin Thru 0	0.0	3922	0.00000	0.999848	
Mn 257.610	5	Lin Thru 0	0.0	13340	0.00000	0.999975	
Mo 202.031	5	Lin Thru 0	0.0	21600	0.00000	0.999958	
Na 589.592	5	Lin Thru 0	0.0	3477	0.00000	0.999923	
Ni 231.604	5	Lin Thru 0	0.0	42880	0.00000	0.999954	
Pb 220.353	5	Lin Thru 0	0.0	15430	0.00000	0.999960	
Sb 206.836	5	Lin Thru 0	0.0	5048	0.00000	0.999973	
Se 196.026	5	Lin Thru 0	0.0	1048	0.00000	0.999971	
Sn 189.927	5	Lin Thru 0	0.0	9152	0.00000	0.999953	
Ti 337.279	5	Lin Thru 0	0.0	5887	0.00000	0.999974	
Tl 351.924	5	Lin Thru 0	0.0	7335	0.00000	0.999938	
V 290.880	5	Lin Thru 0	0.0	191000	0.00000	0.999964	
Zn 206.200	5	Lin Thru 0	0.0	118700	0.00000	0.999944	
Zr 343.823	5	Lin Thru 0	0.0	288800	0.00000	0.999966	

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Analysis Begun

Start Time: 4/14/2022 11:34:40 AM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: UPDATE 05-13-21 5pt **Method Last Saved: 4/14/2022 9:35:10 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 11:34:41 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Replicate Data: SEQ-ICV@ 2111414

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y radial	51355.5	51355.5	93.0	%			11:36:05 AM
1	Al 396.153†	1646.3	1951.1	2.033	mg/L	2.033	mg/L	11:36:05 AM
1	Be 313.107†	188791.7	202384.3	2.067	mg/L	2.067	mg/L	11:36:02 AM
1	Ca 317.933†	5859.0	6002.2	2.129	mg/L	2.129	mg/L	11:36:05 AM
1	Fe 238.204†	4260.5	4751.1	2.043	mg/L	2.043	mg/L	11:36:05 AM
1	K 766.490†	4156.4	3173.8	2.070	mg/L	2.070	mg/L	11:36:05 AM
1	Mg 285.213†	7736.7	8321.3	2.120	mg/L	2.120	mg/L	11:36:05 AM
1	Mn 257.610†	25643.0	27593.6	2.069	mg/L	2.069	mg/L	11:36:05 AM

1	Na 589.592†	7973.2	7151.5	2.057 mg/L	2.057 mg/L	11:36:05 AM
1	Ti 337.279†	11011.7	12113.4	2.077 mg/L	2.077 mg/L	11:36:05 AM
1	Y axial	3028651.0	3028651.0	95.6 %		11:36:23 AM
1	As 188.979†	6246.1	6567.2	2.001 mg/L	2.001 mg/L	11:36:43 AM
1	B 208.889†	32786.9	34322.2	1.980 mg/L	1.980 mg/L	11:36:43 AM
1	Ba 233.527†	306614.1	320689.0	2.096 mg/L	2.096 mg/L	11:36:23 AM
1	Cd 228.802†	214149.6	223789.6	1.994 mg/L	1.994 mg/L	11:36:23 AM
1	Co 228.616†	206347.1	216321.0	2.091 mg/L	2.091 mg/L	11:36:23 AM
1	Cr 267.716†	233574.3	243390.6	2.093 mg/L	2.093 mg/L	11:36:23 AM
1	Cu 327.393†	259886.0	271735.5	2.102 mg/L	2.102 mg/L	11:36:23 AM
1	Mo 202.031†	42274.9	43803.7	2.028 mg/L	2.028 mg/L	11:36:23 AM
1	Ni 231.604†	85522.2	88996.2	2.078 mg/L	2.078 mg/L	11:36:23 AM
1	Pb 220.353†	31072.4	32313.2	2.099 mg/L	2.099 mg/L	11:36:23 AM
1	Sb 206.836†	9848.9	10225.7	2.013 mg/L	2.013 mg/L	11:36:43 AM
1	Se 196.026†	2031.1	2119.9	2.020 mg/L	2.020 mg/L	11:36:43 AM
1	Sn 189.927†	17913.2	18796.0	2.052 mg/L	2.052 mg/L	11:36:43 AM
1	Tl 351.924†	6978.1	7323.4	0.9910 mg/L	0.9910 mg/L	11:36:23 AM
1	V 290.880†	378909.5	392229.6	2.054 mg/L	2.054 mg/L	11:36:23 AM
1	Zn 206.200†	234623.8	245247.1	2.072 mg/L	2.072 mg/L	11:36:23 AM
1	Zr 343.823†	562545.8	587848.0	2.036 mg/L	2.036 mg/L	11:36:23 AM
1	Ag 328.068†	94601.1	99088.8	1.106 mg/L	1.106 mg/L	11:38:08 AM
2	Y radial	52335.4	52335.4	94.8 %		11:36:09 AM
2	Al 396.153†	1693.8	1968.0	2.052 mg/L	2.052 mg/L	11:36:09 AM
2	Be 313.107†	191220.4	201145.9	2.054 mg/L	2.054 mg/L	11:36:07 AM
2	Ca 317.933†	5960.2	5991.0	2.125 mg/L	2.125 mg/L	11:36:09 AM
2	Fe 238.204†	4384.2	4795.8	2.063 mg/L	2.063 mg/L	11:36:09 AM
2	K 766.490†	4127.7	3059.9	1.996 mg/L	1.996 mg/L	11:36:09 AM
2	Mg 285.213†	7782.3	8213.7	2.093 mg/L	2.093 mg/L	11:36:09 AM
2	Mn 257.610†	26096.5	27555.9	2.066 mg/L	2.066 mg/L	11:36:09 AM
2	Na 589.592†	8080.1	7103.7	2.043 mg/L	2.043 mg/L	11:36:09 AM
2	Ti 337.279†	11245.8	12138.7	2.081 mg/L	2.081 mg/L	11:36:09 AM
2	Y axial	2993974.9	2993974.9	94.5 %		11:36:46 AM
2	As 188.979†	6279.2	6677.9	2.035 mg/L	2.035 mg/L	11:37:07 AM
2	B 208.889†	32919.6	34859.7	2.013 mg/L	2.013 mg/L	11:37:07 AM
2	Ba 233.527†	302489.3	320039.2	2.091 mg/L	2.091 mg/L	11:36:46 AM
2	Cd 228.802†	211203.1	223266.3	1.988 mg/L	1.988 mg/L	11:36:46 AM
2	Co 228.616†	203617.7	215932.9	2.087 mg/L	2.087 mg/L	11:36:46 AM
2	Cr 267.716†	230676.4	243154.0	2.091 mg/L	2.091 mg/L	11:36:46 AM
2	Cu 327.393†	256714.8	271528.5	2.101 mg/L	2.101 mg/L	11:36:46 AM
2	Mo 202.031†	41692.1	43699.2	2.023 mg/L	2.023 mg/L	11:36:46 AM
2	Ni 231.604†	84581.8	89037.1	2.079 mg/L	2.079 mg/L	11:36:46 AM
2	Pb 220.353†	30457.6	32039.1	2.081 mg/L	2.081 mg/L	11:36:46 AM
2	Sb 206.836†	9881.1	10379.0	2.043 mg/L	2.043 mg/L	11:37:07 AM
2	Se 196.026†	2026.3	2139.4	2.039 mg/L	2.039 mg/L	11:37:07 AM
2	Sn 189.927†	17928.6	19029.2	2.077 mg/L	2.077 mg/L	11:37:07 AM
2	Tl 351.924†	6933.5	7360.8	0.9960 mg/L	0.9960 mg/L	11:36:46 AM
2	V 290.880†	374175.1	391810.5	2.052 mg/L	2.052 mg/L	11:36:46 AM
2	Zn 206.200†	230970.1	244223.6	2.063 mg/L	2.063 mg/L	11:36:46 AM
2	Zr 343.823†	556094.3	587836.6	2.035 mg/L	2.035 mg/L	11:36:46 AM
2	Ag 328.068†	94194.0	99804.0	1.114 mg/L	1.114 mg/L	11:38:10 AM
3	Y radial	51198.1	51198.1	92.7 %		11:36:13 AM
3	Al 396.153†	1611.0	1918.5	1.996 mg/L	1.996 mg/L	11:36:13 AM
3	Be 313.107†	190862.7	205242.4	2.096 mg/L	2.096 mg/L	11:36:11 AM
3	Ca 317.933†	5854.9	6017.1	2.134 mg/L	2.134 mg/L	11:36:13 AM
3	Fe 238.204†	4295.6	4802.9	2.066 mg/L	2.066 mg/L	11:36:13 AM
3	K 766.490†	3981.9	2999.3	1.956 mg/L	1.956 mg/L	11:36:13 AM
3	Mg 285.213†	7662.2	8266.6	2.107 mg/L	2.107 mg/L	11:36:13 AM
3	Mn 257.610†	25584.2	27615.0	2.071 mg/L	2.071 mg/L	11:36:13 AM
3	Na 589.592†	7839.6	7033.7	2.023 mg/L	2.023 mg/L	11:36:13 AM
3	Ti 337.279†	11001.3	12138.5	2.081 mg/L	2.081 mg/L	11:36:13 AM
3	Y axial	3080445.1	3080445.1	97.3 %		11:37:10 AM
3	As 188.979†	6245.4	6456.6	1.967 mg/L	1.967 mg/L	11:37:30 AM
3	B 208.889†	32833.7	33793.8	1.947 mg/L	1.947 mg/L	11:37:30 AM
3	Ba 233.527†	312397.4	321244.0	2.099 mg/L	2.099 mg/L	11:37:10 AM
3	Cd 228.802†	218588.1	224587.8	2.002 mg/L	2.002 mg/L	11:37:10 AM
3	Co 228.616†	210951.8	217427.3	2.102 mg/L	2.102 mg/L	11:37:10 AM
3	Cr 267.716†	238321.3	244164.4	2.100 mg/L	2.100 mg/L	11:37:10 AM
3	Cu 327.393†	264513.0	271923.2	2.104 mg/L	2.104 mg/L	11:37:10 AM
3	Mo 202.031†	43083.2	43891.5	2.032 mg/L	2.032 mg/L	11:37:10 AM
3	Ni 231.604†	87469.5	89494.6	2.090 mg/L	2.090 mg/L	11:37:10 AM

3	Pb 220.353†	31543.9	32251.6	2.095 mg/L	2.095 mg/L	11:37:10 AM
3	Sb 206.836†	9863.1	10067.0	1.981 mg/L	1.981 mg/L	11:37:30 AM
3	Se 196.026†	2024.9	2077.8	1.980 mg/L	1.980 mg/L	11:37:30 AM
3	Sn 189.927†	17903.5	18471.0	2.016 mg/L	2.016 mg/L	11:37:30 AM
3	Tl 351.924†	7185.3	7413.7	1.003 mg/L	1.003 mg/L	11:37:10 AM
3	V 290.880†	386682.7	393559.4	2.061 mg/L	2.061 mg/L	11:37:10 AM
3	Zn 206.200†	240080.3	246732.0	2.084 mg/L	2.084 mg/L	11:37:10 AM
3	Zr 343.823†	572889.1	588591.4	2.038 mg/L	2.038 mg/L	11:37:10 AM
3	Ag 328.068†	92962.7	95740.6	1.068 mg/L	1.068 mg/L	11:38:13 AM
4	Y radial	51580.5	51580.5	93.4 %		11:36:18 AM
4	Al 396.153†	1662.2	1960.4	2.043 mg/L	2.043 mg/L	11:36:18 AM
4	Be 313.107†	190875.1	203729.3	2.081 mg/L	2.081 mg/L	11:36:15 AM
4	Ca 317.933†	5822.5	5935.6	2.105 mg/L	2.105 mg/L	11:36:18 AM
4	Fe 238.204†	4353.6	4830.7	2.078 mg/L	2.078 mg/L	11:36:18 AM
4	K 766.490†	4132.5	3128.7	2.041 mg/L	2.041 mg/L	11:36:18 AM
4	Mg 285.213†	7605.9	8145.0	2.076 mg/L	2.076 mg/L	11:36:18 AM
4	Mn 257.610†	25607.1	27434.9	2.057 mg/L	2.057 mg/L	11:36:18 AM
4	Na 589.592†	7915.9	7052.7	2.028 mg/L	2.028 mg/L	11:36:18 AM
4	Ti 337.279†	10997.8	12046.8	2.066 mg/L	2.066 mg/L	11:36:18 AM
4	Y axial	3021854.3	3021854.3	95.4 %		11:37:34 AM
4	As 188.979†	6246.7	6582.5	2.005 mg/L	2.005 mg/L	11:37:54 AM
4	B 208.889†	32830.1	34444.6	1.987 mg/L	1.987 mg/L	11:37:54 AM
4	Ba 233.527†	306748.9	321551.6	2.101 mg/L	2.101 mg/L	11:37:34 AM
4	Cd 228.802†	214418.0	224574.6	2.001 mg/L	2.001 mg/L	11:37:34 AM
4	Co 228.616†	206855.3	217339.1	2.101 mg/L	2.101 mg/L	11:37:34 AM
4	Cr 267.716†	233746.4	244120.4	2.099 mg/L	2.099 mg/L	11:37:34 AM
4	Cu 327.393†	259815.2	272272.6	2.106 mg/L	2.106 mg/L	11:37:34 AM
4	Mo 202.031†	42293.0	43922.1	2.034 mg/L	2.034 mg/L	11:37:34 AM
4	Ni 231.604†	85733.8	89419.1	2.088 mg/L	2.088 mg/L	11:37:34 AM
4	Pb 220.353†	30953.3	32261.5	2.096 mg/L	2.096 mg/L	11:37:34 AM
4	Sb 206.836†	9847.3	10247.1	2.017 mg/L	2.017 mg/L	11:37:54 AM
4	Se 196.026†	2042.2	2136.4	2.036 mg/L	2.036 mg/L	11:37:54 AM
4	Sn 189.927†	17924.9	18850.4	2.058 mg/L	2.058 mg/L	11:37:54 AM
4	Tl 351.924†	7191.2	7563.2	1.024 mg/L	1.024 mg/L	11:37:34 AM
4	V 290.880†	379420.4	393656.5	2.061 mg/L	2.061 mg/L	11:37:34 AM
4	Zn 206.200†	234828.9	246014.0	2.078 mg/L	2.078 mg/L	11:37:34 AM
4	Zr 343.823†	562064.2	588666.4	2.038 mg/L	2.038 mg/L	11:37:34 AM
4	Ag 328.068†	93036.0	97670.7	1.090 mg/L	1.090 mg/L	11:38:15 AM

Ag, Ca, Cu are ok for 6010

Mean Data: SEQ-ICV@ 2111414

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y radial	51617.4	93.5 %	0.91			0.98%
Y axial	3031231.3	95.7 %	1.14			1.19%
Ag 328.068†	98076.0	1.095 mg/L	0.0203	1.095 mg/L	0.0203	1.85%
QC value greater than the upper limit for Ag 328.068 Recovery = 109.47%						
Al 396.153†	1949.5	2.031 mg/L	0.0242	2.031 mg/L	0.0242	1.19%
QC value within limits for Al 396.153 Recovery = 101.54%						
As 188.979†	6571.1	2.002 mg/L	0.0278	2.002 mg/L	0.0278	1.39%
QC value within limits for As 188.979 Recovery = 100.09%						
B 208.889†	34355.1	1.982 mg/L	0.0270	1.982 mg/L	0.0270	1.36%
QC value within limits for B 208.889 Recovery = 99.08%						
Ba 233.527†	320880.9	2.097 mg/L	0.0043	2.097 mg/L	0.0043	0.21%
QC value within limits for Ba 233.527 Recovery = 104.85%						
Be 313.107†	203125.5	2.075 mg/L	0.0180	2.075 mg/L	0.0180	0.87%
QC value within limits for Be 313.107 Recovery = 103.73%						
Ca 317.933†	5986.5	2.123 mg/L	0.0126	2.123 mg/L	0.0126	0.59%
QC value greater than the upper limit for Ca 317.933 Recovery = 106.16%						
Cd 228.802†	224054.6	1.996 mg/L	0.0068	1.996 mg/L	0.0068	0.34%
QC value within limits for Cd 228.802 Recovery = 99.81%						
Co 228.616†	216755.1	2.095 mg/L	0.0072	2.095 mg/L	0.0072	0.34%
QC value within limits for Co 228.616 Recovery = 104.76%						
Cr 267.716†	243707.4	2.096 mg/L	0.0044	2.096 mg/L	0.0044	0.21%
QC value within limits for Cr 267.716 Recovery = 104.79%						
Cu 327.393†	271865.0	2.103 mg/L	0.0024	2.103 mg/L	0.0024	0.12%
QC value greater than the upper limit for Cu 327.393 Recovery = 105.16%						
Fe 238.204†	4795.1	2.062 mg/L	0.0142	2.062 mg/L	0.0142	0.69%
QC value within limits for Fe 238.204 Recovery = 103.12%						
K 766.490†	3090.4	2.016 mg/L	0.0500	2.016 mg/L	0.0500	2.48%

QC value within limits for K 766.490 Recovery = 100.78%

Mg 285.213†	8236.7	2.099 mg/L	0.0192	2.099 mg/L	0.0192	0.91%
QC value within limits for Mg 285.213 Recovery = 104.94%						
Mn 257.610†	27549.9	2.066 mg/L	0.0060	2.066 mg/L	0.0060	0.29%
QC value within limits for Mn 257.610 Recovery = 103.29%						
Mo 202.031†	43829.1	2.029 mg/L	0.0046	2.029 mg/L	0.0046	0.23%
QC value within limits for Mo 202.031 Recovery = 101.47%						
Na 589.592†	7085.4	2.038 mg/L	0.0153	2.038 mg/L	0.0153	0.75%
QC value within limits for Na 589.592 Recovery = 101.89%						
Ni 231.604†	89236.8	2.084 mg/L	0.0060	2.084 mg/L	0.0060	0.29%
QC value within limits for Ni 231.604 Recovery = 104.18%						
Pb 220.353†	32216.3	2.093 mg/L	0.0079	2.093 mg/L	0.0079	0.38%
QC value within limits for Pb 220.353 Recovery = 104.65%						
Sb 206.836†	10229.7	2.014 mg/L	0.0254	2.014 mg/L	0.0254	1.26%
QC value within limits for Sb 206.836 Recovery = 100.69%						
Se 196.026†	2118.4	2.019 mg/L	0.0271	2.019 mg/L	0.0271	1.34%
QC value within limits for Se 196.026 Recovery = 100.95%						
Sn 189.927†	18786.6	2.051 mg/L	0.0254	2.051 mg/L	0.0254	1.24%
QC value within limits for Sn 189.927 Recovery = 102.53%						
Ti 337.279†	12109.4	2.076 mg/L	0.0074	2.076 mg/L	0.0074	0.35%
QC value within limits for Ti 337.279 Recovery = 103.81%						
Tl 351.924†	7415.3	1.003 mg/L	0.0144	1.003 mg/L	0.0144	1.43%
QC value within limits for Tl 351.924 Recovery = 100.35%						
V 290.880†	392814.0	2.057 mg/L	0.0049	2.057 mg/L	0.0049	0.24%
QC value within limits for V 290.880 Recovery = 102.85%						
Zn 206.200†	245554.2	2.074 mg/L	0.0091	2.074 mg/L	0.0091	0.44%
QC value within limits for Zn 206.200 Recovery = 103.72%						
Zr 343.823†	588235.6	2.037 mg/L	0.0016	2.037 mg/L	0.0016	0.08%
QC value within limits for Zr 343.823 Recovery = 101.84%						

QC Failed. Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 11:42:04 AM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: UPDATE 05-13-21 5pt **Method Last Saved: 4/14/2022 11:38:17 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Sequence No.: 2 **Autosampler Location: 9**
Sample ID: SEQ-ICV@Pb@ 2201355 **Date Collected: 4/14/2022 11:42:05 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: SEQ-ICV@Pb@ 2201355

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	53874.4	97.5	%	1.54				1.58%
Y axial	3161525.7	99.8	%	0.48				0.48%
Ag 328.068†	101.4	0.0011	mg/L	0.00030	0.0011	mg/L	0.00030	25.79%
Al 396.153†	-1.9	-0.0022	mg/L	0.00100	-0.0022	mg/L	0.00100	45.67%
As 188.979†	7.8	0.0024	mg/L	0.00159	0.0024	mg/L	0.00159	66.53%
B 208.889†	165.7	0.0100	mg/L	0.00099	0.0100	mg/L	0.00099	9.83%
Ba 233.527†	84.8	0.0006	mg/L	0.00021	0.0006	mg/L	0.00021	38.06%
Be 313.107†	51.9	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	43.12%
Ca 317.933†	27.3	0.0097	mg/L	0.00121	0.0097	mg/L	0.00121	12.52%
Cd 228.802†	50.4	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	27.03%
Co 228.616†	15.2	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	224.47%
Cr 267.716†	97.5	0.0008	mg/L	0.00066	0.0008	mg/L	0.00066	78.72%
Cu 327.393†	-12.1	-0.0001	mg/L	0.00118	-0.0001	mg/L	0.00118	>999.9%
Fe 238.204†	6.5	0.0028	mg/L	0.00213	0.0028	mg/L	0.00213	76.75%
K 766.490†	68.8	0.0449	mg/L	0.05122	0.0449	mg/L	0.05122	114.13%
Mg 285.213†	2.0	0.0005	mg/L	0.00087	0.0005	mg/L	0.00087	168.62%
Mn 257.610†	8.7	0.0007	mg/L	0.00019	0.0007	mg/L	0.00019	29.63%
Mo 202.031†	30.0	0.0014	mg/L	0.00013	0.0014	mg/L	0.00013	9.06%
Na 589.592†	64.0	0.0184	mg/L	0.02205	0.0184	mg/L	0.02205	119.82%
Ni 231.604†	4.0	0.0001	mg/L	0.00051	0.0001	mg/L	0.00051	525.75%
Pb 220.353†	16484.8	1.068	mg/L	0.0127	1.068	mg/L	0.0127	1.18%
QC value within limits for Pb 220.353 Recovery = 106.84%								
Sb 206.836†	3.8	0.0008	mg/L	0.00075	0.0008	mg/L	0.00075	98.01%
Se 196.026†	-0.9	-0.0008	mg/L	0.00432	-0.0008	mg/L	0.00432	514.86%
Sn 189.927†	6.3	0.0007	mg/L	0.00056	0.0007	mg/L	0.00056	81.70%
Ti 337.279†	15.7	0.0027	mg/L	0.00127	0.0027	mg/L	0.00127	47.40%
Tl 351.924†	-28.0	-0.0038	mg/L	0.00112	-0.0038	mg/L	0.00112	29.30%
V 290.880†	149.8	0.0008	mg/L	0.00044	0.0008	mg/L	0.00044	56.17%
Zn 206.200†	885.8	0.0075	mg/L	0.00336	0.0075	mg/L	0.00336	45.04%
Zr 343.823†	94.2	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	16.16%

All analyte(s) passed QC.

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Sequence No.: 3 **Autosampler Location: 1**
Sample ID: SEQ-ICB@ 2111294 **Date Collected: 4/14/2022 11:47:56 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-ICB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	53560.3	97.0	%	1.37				1.42%
Y axial	3119689.4	98.5	%	0.47				0.48%
Ag 328.068†	93.3	0.0011	mg/L	0.00065	0.0011	mg/L	0.00065	61.84%

QC value within limits for Ag 328.068 Recovery = Not calculated

Al 396.153†	-3.4	-0.0037 mg/L	0.00607	-0.0037 mg/L	0.00607	162.34%
QC value within limits for Al 396.153 Recovery = Not calculated							
As 188.979†	2.7	0.0008 mg/L	0.00176	0.0008 mg/L	0.00176	214.34%
QC value within limits for As 188.979 Recovery = Not calculated							
B 208.889†	84.9	0.0052 mg/L	0.00139	0.0052 mg/L	0.00139	27.04%
QC value within limits for B 208.889 Recovery = Not calculated							
Ba 233.527†	6.8	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	88.14%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	27.6	0.0003 mg/L	0.00011	0.0003 mg/L	0.00011	37.62%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933†	-3.4	-0.0012 mg/L	0.00423	-0.0012 mg/L	0.00423	354.67%
QC value within limits for Ca 317.933 Recovery = Not calculated							
Cd 228.802†	31.5	0.0003 mg/L	0.00004	0.0003 mg/L	0.00004	15.86%
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	4.0	0.0000 mg/L	0.00019	0.0000 mg/L	0.00019	487.74%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	46.3	0.0004 mg/L	0.00011	0.0004 mg/L	0.00011	27.61%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	-9.8	-0.0001 mg/L	0.00109	-0.0001 mg/L	0.00109	>999.9%
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 238.204†	-10.3	-0.0044 mg/L	0.00050	-0.0044 mg/L	0.00050	11.29%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	19.5	0.0127 mg/L	0.01920	0.0127 mg/L	0.01920	151.27%
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	3.1	0.0008 mg/L	0.00261	0.0008 mg/L	0.00261	334.01%
QC value within limits for Mg 285.213 Recovery = Not calculated							
Mn 257.610†	3.2	0.0002 mg/L	0.00065	0.0002 mg/L	0.00065	269.63%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	10.1	0.0005 mg/L	0.00042	0.0005 mg/L	0.00042	90.23%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	44.5	0.0128 mg/L	0.02314	0.0128 mg/L	0.02314	180.85%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-6.5	-0.0002 mg/L	0.00006	-0.0002 mg/L	0.00006	40.88%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	19.4	0.0013 mg/L	0.00024	0.0013 mg/L	0.00024	18.75%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-0.4	-0.0001 mg/L	0.00207	-0.0001 mg/L	0.00207	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	-2.7	-0.0026 mg/L	0.00683	-0.0026 mg/L	0.00683	260.85%
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	5.7	0.0006 mg/L	0.00076	0.0006 mg/L	0.00076	122.14%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	-0.5	-0.0001 mg/L	0.00056	-0.0001 mg/L	0.00056	707.41%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 351.924†	24.0	0.0033 mg/L	0.00227	0.0033 mg/L	0.00227	69.39%
QC value within limits for Tl 351.924 Recovery = Not calculated							
V 290.880†	143.0	0.0007 mg/L	0.00034	0.0007 mg/L	0.00034	44.96%
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	37.3	0.0003 mg/L	0.00010	0.0003 mg/L	0.00010	32.04%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Zr 343.823†	64.6	0.0002 mg/L	0.00036	0.0002 mg/L	0.00036	159.96%

All analyte(s) passed QC.

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Sequence No.: 4 **Autosampler Location: 10**
Sample ID: SEQ-LCV@ 2202321 **Date Collected: 4/14/2022 11:53:43 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-LCV@ 2202321

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	53310.2	96.5	%	0.92				0.96%
Y axial	3138734.6	99.1	%	1.57				1.58%
Ag 328.068†	978.8	0.0111	mg/L	0.00086	0.0111	mg/L	0.00086	7.80%
QC value within limits for Ag 328.068 Recovery = 110.77%								

Al 396.153†	47.8	0.0503 mg/L	0.00422	0.0503 mg/L	0.00422	8.40%
QC value within limits for Al 396.153 Recovery = 100.61%						
As 188.979†	32.7	0.0098 mg/L	0.00174	0.0098 mg/L	0.00174	17.83%
QC value within limits for As 188.979 Recovery = 97.87%						
B 208.889†	1650.9	0.0977 mg/L	0.00161	0.0977 mg/L	0.00161	1.65%
QC value within limits for B 208.889 Recovery = 97.75%						
Ba 233.527†	8268.5	0.0540 mg/L	0.00090	0.0540 mg/L	0.00090	1.66%
QC value within limits for Ba 233.527 Recovery = 108.02%						
Be 313.107†	430.9	0.0044 mg/L	0.00013	0.0044 mg/L	0.00013	2.95%
QC value within limits for Be 313.107 Recovery = 109.67%						
Ca 317.933†	1514.1	0.5370 mg/L	0.00605	0.5370 mg/L	0.00605	1.13%
QC value within limits for Ca 317.933 Recovery = 107.40%						
Cd 228.802†	507.4	0.0044 mg/L	0.00015	0.0044 mg/L	0.00015	3.35%
QC value within limits for Cd 228.802 Recovery = 109.64%						
Co 228.616†	1101.3	0.0107 mg/L	0.00011	0.0107 mg/L	0.00011	1.02%
QC value within limits for Co 228.616 Recovery = 106.91%						
Cr 267.716†	1247.2	0.0107 mg/L	0.00038	0.0107 mg/L	0.00038	3.58%
QC value within limits for Cr 267.716 Recovery = 107.28%						
Cu 327.393†	1440.8	0.0112 mg/L	0.00124	0.0112 mg/L	0.00124	11.08%
QC value within limits for Cu 327.393 Recovery = 111.59%						
Fe 238.204†	122.0	0.0524 mg/L	0.00079	0.0524 mg/L	0.00079	1.51%
QC value within limits for Fe 238.204 Recovery = 104.78%						
K 766.490†	3087.2	2.014 mg/L	0.0268	2.014 mg/L	0.0268	1.33%
QC value within limits for K 766.490 Recovery = 100.68%						
Mg 285.213†	217.1	0.0554 mg/L	0.00291	0.0554 mg/L	0.00291	5.25%
QC value within limits for Mg 285.213 Recovery = 110.80%						
Mn 257.610†	142.8	0.0107 mg/L	0.00033	0.0107 mg/L	0.00033	3.10%
QC value within limits for Mn 257.610 Recovery = 107.13%						
Mo 202.031†	1145.4	0.0530 mg/L	0.00162	0.0530 mg/L	0.00162	3.06%
QC value within limits for Mo 202.031 Recovery = 106.07%						
Na 589.592†	7164.0	2.060 mg/L	0.0138	2.060 mg/L	0.0138	0.67%
QC value within limits for Na 589.592 Recovery = 103.02%						
Ni 231.604†	442.2	0.0104 mg/L	0.00051	0.0104 mg/L	0.00051	4.92%
QC value within limits for Ni 231.604 Recovery = 103.75%						
Pb 220.353†	169.4	0.0111 mg/L	0.00149	0.0111 mg/L	0.00149	13.51%
QC value within limits for Pb 220.353 Recovery = 110.61%						
Sb 206.836†	259.4	0.0522 mg/L	0.00201	0.0522 mg/L	0.00201	3.85%
QC value within limits for Sb 206.836 Recovery = 104.43%						
Se 196.026†	53.9	0.0514 mg/L	0.00607	0.0514 mg/L	0.00607	11.81%
QC value within limits for Se 196.026 Recovery = 102.76%						
Sn 189.927†	983.4	0.1075 mg/L	0.00183	0.1075 mg/L	0.00183	1.71%
QC value within limits for Sn 189.927 Recovery = 107.45%						
Ti 337.279†	131.8	0.0224 mg/L	0.00160	0.0224 mg/L	0.00160	7.13%
QC value within limits for Ti 337.279 Recovery = 112.00%						
Tl 351.924†	318.5	0.0433 mg/L	0.01613	0.0433 mg/L	0.01613	37.27%
QC value within limits for Tl 351.924 Recovery = 86.57%						
V 290.880†	2007.9	0.0105 mg/L	0.00013	0.0105 mg/L	0.00013	1.26%
QC value within limits for V 290.880 Recovery = 105.24%						
Zn 206.200†	1211.9	0.0102 mg/L	0.00024	0.0102 mg/L	0.00024	2.38%
QC value within limits for Zn 206.200 Recovery = 102.33%						
Zr 343.823†	182.7	0.0006 mg/L	0.00021	0.0006 mg/L	0.00021	33.01%

All analyte(s) passed QC.

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 11:59:28 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	51874.4	93.9	%	0.35				0.37%
Y axial	3031131.1	95.7	%	0.53				0.56%
Ag 328.068†	219740.3	2.449	mg/L	0.0438	2.449	mg/L	0.0438	1.79%
QC value within limits for Ag 328.068 Recovery = 97.96%								
Al 396.153†	9364.1	10.04	mg/L	0.025	10.04	mg/L	0.025	0.25%

QC value within limits for Al 396.153 Recovery = 100.40%
As 188.979† 16112.1 4.909 mg/L 0.0858 4.909 mg/L 0.0858 1.75%
QC value within limits for As 188.979 Recovery = 98.18%
B 208.889† 81862.1 4.712 mg/L 0.0885 4.712 mg/L 0.0885 1.88%
QC value within limits for B 208.889 Recovery = 94.23%
Ba 233.527† 774433.1 5.061 mg/L 0.0112 5.061 mg/L 0.0112 0.22%
QC value within limits for Ba 233.527 Recovery = 101.22%
Be 313.107† 498822.2 5.095 mg/L 0.0182 5.095 mg/L 0.0182 0.36%
QC value within limits for Be 313.107 Recovery = 101.90%
Ca 317.933† 28948.7 10.27 mg/L 0.028 10.27 mg/L 0.028 0.27%
QC value within limits for Ca 317.933 Recovery = 102.68%
Cd 228.802† 549372.1 4.894 mg/L 0.0217 4.894 mg/L 0.0217 0.44%
QC value within limits for Cd 228.802 Recovery = 97.87%
Co 228.616† 521466.3 5.040 mg/L 0.0174 5.040 mg/L 0.0174 0.35%
QC value within limits for Co 228.616 Recovery = 100.81%
Cr 267.716† 586641.8 5.045 mg/L 0.0140 5.045 mg/L 0.0140 0.28%
QC value within limits for Cr 267.716 Recovery = 100.89%
Cu 327.393† 654003.6 5.060 mg/L 0.0126 5.060 mg/L 0.0126 0.25%
QC value within limits for Cu 327.393 Recovery = 101.21%
Fe 238.204† 11859.1 5.100 mg/L 0.0062 5.100 mg/L 0.0062 0.12%
QC value within limits for Fe 238.204 Recovery = 102.01%
K 766.490† 15602.1 10.18 mg/L 0.026 10.18 mg/L 0.026 0.25%
QC value within limits for K 766.490 Recovery = 101.76%
Mg 285.213† 40834.9 10.41 mg/L 0.020 10.41 mg/L 0.020 0.19%
QC value within limits for Mg 285.213 Recovery = 104.09%
Mn 257.610† 67635.0 5.072 mg/L 0.0081 5.072 mg/L 0.0081 0.16%
QC value within limits for Mn 257.610 Recovery = 101.43%
Mo 202.031† 108414.3 5.020 mg/L 0.0142 5.020 mg/L 0.0142 0.28%
QC value within limits for Mo 202.031 Recovery = 100.39%
Na 589.592† 35775.1 10.29 mg/L 0.006 10.29 mg/L 0.006 0.06%
QC value within limits for Na 589.592 Recovery = 102.89%
Ni 231.604† 216263.8 5.050 mg/L 0.0199 5.050 mg/L 0.0199 0.39%
QC value within limits for Ni 231.604 Recovery = 100.99%
Pb 220.353† 77637.3 5.046 mg/L 0.0216 5.046 mg/L 0.0216 0.43%
QC value within limits for Pb 220.353 Recovery = 100.92%
Sb 206.836† 25125.4 4.949 mg/L 0.0755 4.949 mg/L 0.0755 1.53%
QC value within limits for Sb 206.836 Recovery = 98.98%
Se 196.026† 5164.2 4.922 mg/L 0.1166 4.922 mg/L 0.1166 2.37%
QC value within limits for Se 196.026 Recovery = 98.44%
Sn 189.927† 45618.6 4.979 mg/L 0.1036 4.979 mg/L 0.1036 2.08%
QC value within limits for Sn 189.927 Recovery = 99.59%
Ti 337.279† 29730.5 5.098 mg/L 0.0043 5.098 mg/L 0.0043 0.08%
QC value within limits for Ti 337.279 Recovery = 101.95%
Tl 351.924† 17842.4 2.414 mg/L 0.0173 2.414 mg/L 0.0173 0.72%
QC value within limits for Tl 351.924 Recovery = 96.58%
V 290.880† 958787.0 5.021 mg/L 0.0119 5.021 mg/L 0.0119 0.24%
QC value within limits for V 290.880 Recovery = 100.42%
Zn 206.200† 600084.8 5.069 mg/L 0.0238 5.069 mg/L 0.0238 0.47%
QC value within limits for Zn 206.200 Recovery = 101.38%
Zr 343.823† 1456676.8 5.044 mg/L 0.0133 5.044 mg/L 0.0133 0.26%
QC value within limits for Zr 343.823 Recovery = 100.88%
All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/14/2022 12:05:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	50940.3	92.2	%	1.60				1.73%
Y axial	2839806.4	89.7	%	0.12				0.13%
Ag 328.068†	-587.7	-0.0023	mg/L	0.00071	-0.0023	mg/L	0.00071	31.03%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	228799.4	252.7	mg/L	0.10	252.7	mg/L	0.10	0.04%

QC value within limits for Al 396.153 Recovery = 101.08%

As 188.979†	-74.8	0.0005 mg/L	0.00253	0.0005 mg/L	0.00253	515.04%
QC value within limits for As 188.979 Recovery = Not calculated							
B 208.889†	196.7	0.0128 mg/L	0.00107	0.0128 mg/L	0.00107	8.33%
QC value within limits for B 208.889 Recovery = Not calculated							
Ba 233.527†	1326.2	0.0087 mg/L	0.00022	0.0087 mg/L	0.00022	2.59%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	137.8	0.0014 mg/L	0.00032	0.0014 mg/L	0.00032	23.01%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933†	710615.9	252.0 mg/L	1.01	252.0 mg/L	1.01	0.40%
QC value within limits for Ca 317.933 Recovery = 100.82%							
Cd 228.802†	65.4	0.0014 mg/L	0.00027	0.0014 mg/L	0.00027	19.84%
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	-184.0	-0.0018 mg/L	0.00014	-0.0018 mg/L	0.00014	7.73%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	946.4	-0.0007 mg/L	0.00027	-0.0007 mg/L	0.00027	38.44%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	-1370.1	-0.0044 mg/L	0.00059	-0.0044 mg/L	0.00059	13.52%
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 238.204†	229765.5	98.62 mg/L	0.443	98.62 mg/L	0.443	0.45%
QC value within limits for Fe 238.204 Recovery = 98.62%							
K 766.490†	172.6	0.1125 mg/L	0.08115	0.1125 mg/L	0.08115	72.11%
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	872045.1	222.5 mg/L	0.54	222.5 mg/L	0.54	0.24%
QC value within limits for Mg 285.213 Recovery = 88.98%							
Mn 257.610†	2.1	0.0002 mg/L	0.00023	0.0002 mg/L	0.00023	145.44%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	-319.9	0.0173 mg/L	0.00103	0.0173 mg/L	0.00103	5.93%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	220.2	0.0633 mg/L	0.02064	0.0633 mg/L	0.02064	32.58%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-247.7	-0.0036 mg/L	0.00064	-0.0036 mg/L	0.00064	18.04%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-1711.3	0.0067 mg/L	0.00027	0.0067 mg/L	0.00027	3.96%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-40.0	-0.0084 mg/L	0.00298	-0.0084 mg/L	0.00298	35.63%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	-24.0	-0.0101 mg/L	0.00468	-0.0101 mg/L	0.00468	46.40%
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	2.0	0.0002 mg/L	0.00070	0.0002 mg/L	0.00070	328.23%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	-5.2	-0.0008 mg/L	0.00178	-0.0008 mg/L	0.00178	211.68%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 351.924†	64.6	0.0088 mg/L	0.01012	0.0088 mg/L	0.01012	114.86%
QC value within limits for Tl 351.924 Recovery = Not calculated							
V 290.880†	2028.6	0.0042 mg/L	0.00055	0.0042 mg/L	0.00055	13.23%
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	820.4	0.0026 mg/L	0.00006	0.0026 mg/L	0.00006	2.39%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Zr 343.823†	1296.5	0.0013 mg/L	0.00028	0.0013 mg/L	0.00028	21.36%

All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 12**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/14/2022 12:10:56 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	51991.6	94.1	%	0.71				0.75%
Y axial	2942639.5	92.9	%	0.13				0.14%
Ag 328.068†	89663.0	1.019	mg/L	0.0071	1.019	mg/L	0.0071	0.69%
QC value within limits for Ag 328.068 Recovery = 101.91%								
Al 396.153†	213607.2	235.9	mg/L	1.42	235.9	mg/L	1.42	0.60%
QC value within limits for Al 396.153 Recovery = 94.36%								

As 188.979†	-67.9	-0.0015 mg/L	0.00303	-0.0015 mg/L	0.00303	206.76%
QC value within limits for As 188.979 Recovery = Not calculated							
B 208.889†	111.3	0.0077 mg/L	0.00167	0.0077 mg/L	0.00167	21.80%
QC value within limits for B 208.889 Recovery = Not calculated							
Ba 233.527†	75356.7	0.4925 mg/L	0.00144	0.4925 mg/L	0.00144	0.29%
QC value within limits for Ba 233.527 Recovery = 98.49%							
Be 313.107†	48274.7	0.4930 mg/L	0.00106	0.4930 mg/L	0.00106	0.22%
QC value within limits for Be 313.107 Recovery = 98.60%							
Ca 317.933†	666846.0	236.5 mg/L	1.38	236.5 mg/L	1.38	0.58%
QC value within limits for Ca 317.933 Recovery = 94.61%							
Cd 228.802†	103735.8	0.9535 mg/L	0.00307	0.9535 mg/L	0.00307	0.32%
QC value within limits for Cd 228.802 Recovery = 95.35%							
Co 228.616†	46473.3	0.4492 mg/L	0.00126	0.4492 mg/L	0.00126	0.28%
QC value within limits for Co 228.616 Recovery = 89.84%							
Cr 267.716†	55960.1	0.4728 mg/L	0.00140	0.4728 mg/L	0.00140	0.30%
QC value within limits for Cr 267.716 Recovery = 94.57%							
Cu 327.393†	63237.8	0.4919 mg/L	0.00103	0.4919 mg/L	0.00103	0.21%
QC value within limits for Cu 327.393 Recovery = 98.37%							
Fe 238.204†	215376.9	92.45 mg/L	0.491	92.45 mg/L	0.491	0.53%
QC value within limits for Fe 238.204 Recovery = 92.45%							
K 766.490†	-22.7	-0.0148 mg/L	0.05770	-0.0148 mg/L	0.05770	389.17%
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	821915.4	209.7 mg/L	0.91	209.7 mg/L	0.91	0.44%
QC value within limits for Mg 285.213 Recovery = 83.87%							
Mn 257.610†	6375.4	0.4780 mg/L	0.00275	0.4780 mg/L	0.00275	0.58%
QC value within limits for Mn 257.610 Recovery = 95.61%							
Mo 202.031†	-327.8	0.0149 mg/L	0.00042	0.0149 mg/L	0.00042	2.82%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	83.0	0.0239 mg/L	0.01084	0.0239 mg/L	0.01084	45.44%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	38145.8	0.8916 mg/L	0.00221	0.8916 mg/L	0.00221	0.25%
QC value within limits for Ni 231.604 Recovery = 89.16%							
Pb 220.353†	12711.4	0.9348 mg/L	0.00434	0.9348 mg/L	0.00434	0.46%
QC value within limits for Pb 220.353 Recovery = 93.48%							
Sb 206.836†	32.1	-0.0055 mg/L	0.00443	-0.0055 mg/L	0.00443	80.39%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	-21.0	-0.0085 mg/L	0.00786	-0.0085 mg/L	0.00786	92.08%
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	-14.4	-0.0016 mg/L	0.00024	-0.0016 mg/L	0.00024	15.11%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	-9.9	-0.0017 mg/L	0.00499	-0.0017 mg/L	0.00499	301.91%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 351.924†	44.5	0.0051 mg/L	0.00302	0.0051 mg/L	0.00302	59.65%
QC value within limits for Tl 351.924 Recovery = Not calculated							
V 290.880†	93444.9	0.4832 mg/L	0.00105	0.4832 mg/L	0.00105	0.22%
QC value within limits for V 290.880 Recovery = 96.64%							
Zn 206.200†	111714.8	0.9385 mg/L	0.00185	0.9385 mg/L	0.00185	0.20%
QC value within limits for Zn 206.200 Recovery = 93.85%							
Zr 343.823†	1106.7	0.0009 mg/L	0.00050	0.0009 mg/L	0.00050	55.57%

All analyte(s) passed QC.

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Sequence No.: 8 **Autosampler Location: 13**
Sample ID: SEQ-LCV@RR **Date Collected: 4/14/2022 12:17:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 12:18:44 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22

Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

Sequence No.: 9 Autosampler Location: 37
Sample ID: SEQ-HCV1@100PPM Date Collected: 4/14/2022 12:18:44 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:
Wash Time:

Mean Data: SEQ-HCV1@100PPM

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	51412.4	93.1	%	1.15				1.24%
Y axial	2920060.3	92.2	%	0.87				0.95%
Ag 328.068†	456.9	-0.0061	mg/L	0.00127	-0.0061	mg/L	0.00127	20.65%
Al 396.153†	89956.3	99.35	mg/L	0.292	99.35	mg/L	0.292	0.29%
QC value within limits for Al 396.153 Recovery = 99.35%								
As 188.979†	310695.7	94.65	mg/L	0.629	94.65	mg/L	0.629	0.66%
QC value within limits for As 188.979 Recovery = 94.65%								
B 208.889†	-268.2	-0.0140	mg/L	0.00097	-0.0140	mg/L	0.00097	6.97%
Ba 233.527†	14218747.2	92.93	mg/L	1.607	92.93	mg/L	1.607	1.73%
QC value within limits for Ba 233.527 Recovery = 92.93%								
Be 313.107†	9461354.3	96.61	mg/L	2.168	96.61	mg/L	2.168	2.24%
QC value within limits for Be 313.107 Recovery = 96.61%								
Ca 317.933†	338.9	0.1202	mg/L	0.00450	0.1202	mg/L	0.00450	3.75%
Cd 228.802†	9573611.9	85.01	mg/L	0.490	85.01	mg/L	0.490	0.58%
QC value less than the lower limit for Cd 228.802 Recovery = 85.01%								
Co 228.616†	9928343.6	95.99	mg/L	1.770	95.99	mg/L	1.770	1.84%
QC value within limits for Co 228.616 Recovery = 95.99%								
Cr 267.716†	11227674.8	96.54	mg/L	1.714	96.54	mg/L	1.714	1.78%
QC value within limits for Cr 267.716 Recovery = 96.54%								
Cu 327.393†	13454230.1	103.4	mg/L	1.83	103.4	mg/L	1.83	1.77%
QC value within limits for Cu 327.393 Recovery = 103.42%								
Fe 238.204†	222604.4	95.74	mg/L	0.350	95.74	mg/L	0.350	0.37%
QC value within limits for Fe 238.204 Recovery = 95.74%								
K 766.490†	130.9	0.0854	mg/L	0.01128	0.0854	mg/L	0.01128	13.21%
Mg 285.213†	-615.0	0.0184	mg/L	0.00474	0.0184	mg/L	0.00474	25.83%
Mn 257.610†	1295941.0	97.17	mg/L	2.038	97.17	mg/L	2.038	2.10%
QC value within limits for Mn 257.610 Recovery = 97.17%								
Mo 202.031†	-916.0	-0.0113	mg/L	0.00463	-0.0113	mg/L	0.00463	41.00%
Na 589.592†	169.4	0.0487	mg/L	0.00930	0.0487	mg/L	0.00930	19.08%
Ni 231.604†	4173314.4	97.27	mg/L	1.808	97.27	mg/L	1.808	1.86%
QC value within limits for Ni 231.604 Recovery = 97.27%								
Pb 220.353†	1494007.1	97.06	mg/L	0.521	97.06	mg/L	0.521	0.54%
QC value within limits for Pb 220.353 Recovery = 97.06%								
Sb 206.836†	11700.1	-0.0490	mg/L	0.01197	-0.0490	mg/L	0.01197	24.41%
Se 196.026†	102924.1	98.10	mg/L	0.643	98.10	mg/L	0.643	0.66%
QC value within limits for Se 196.026 Recovery = 98.10%								
Sn 189.927†	-233.7	-0.0255	mg/L	0.00330	-0.0255	mg/L	0.00330	12.93%
Ti 337.279†	-32.0	-0.0055	mg/L	0.00152	-0.0055	mg/L	0.00152	27.46%
Tl 351.924†	757900.3	103.1	mg/L	0.35	103.1	mg/L	0.35	0.34%
QC value within limits for Tl 351.924 Recovery = 103.11%								
V 290.880†	19059622.2	99.78	mg/L	1.822	99.78	mg/L	1.822	1.83%
QC value within limits for V 290.880 Recovery = 99.78%								
Zn 206.200†	10606087.4	89.62	mg/L	1.681	89.62	mg/L	1.681	1.88%
QC value less than the lower limit for Zn 206.200 Recovery = 89.62%								
Zr 343.823†	-2753.8	-0.0008	mg/L	0.00040	-0.0008	mg/L	0.00040	48.38%

QC Failed. Continue with analysis.

Sequence No.: 10 Autosampler Location: 36
Sample ID: SEQ-HCV2@500/100 Date Collected: 4/14/2022 12:25:50 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:
Wash Time: 200 Auto Dilution Factor: 1

Mean Data: SEQ-HCV2@500/100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	49448.0	89.5	%	1.36				1.52%
Y axial	2702895.9	85.3	%	0.78				0.91%
Ag 328.068†	-2976.1	-0.0139	mg/L	0.00048	-0.0139	mg/L	0.00048	3.49%
Al 396.153†	425519.9	470.0	mg/L	6.00	470.0	mg/L	6.00	1.28%
QC value within limits for Al 396.153 Recovery = 93.99%								
As 188.979†	-93.1	0.0345	mg/L	0.00811	0.0345	mg/L	0.00811	23.47%
B 208.889†	1437069.4	87.71	mg/L	0.589	87.71	mg/L	0.589	0.67%
QC value less than the lower limit for B 208.889 Recovery = 87.71%								
Ba 233.527†	8916.2	0.0583	mg/L	0.00086	0.0583	mg/L	0.00086	1.48%
Be 313.107†	2783.2	0.0283	mg/L	0.00234	0.0283	mg/L	0.00234	8.25%
Ca 317.933†	1280183.8	454.1	mg/L	7.01	454.1	mg/L	7.01	1.54%
QC value within limits for Ca 317.933 Recovery = 90.81%								
Cd 228.802†	2726.2	0.0261	mg/L	0.00116	0.0261	mg/L	0.00116	4.42%
Co 228.616†	2791.1	0.0267	mg/L	0.00192	0.0267	mg/L	0.00192	7.17%
Cr 267.716†	3195.6	0.0208	mg/L	0.00178	0.0208	mg/L	0.00178	8.56%
Cu 327.393†	-2029.0	0.0123	mg/L	0.00225	0.0123	mg/L	0.00225	18.36%
Fe 238.204†	1038847.7	445.9	mg/L	6.79	445.9	mg/L	6.79	1.52%
QC value less than the lower limit for Fe 238.204 Recovery = 89.18%								
K 766.490†	343460.7	224.0	mg/L	3.37	224.0	mg/L	3.37	1.50%
QC value greater than the upper limit for K 766.490 Recovery = 112.00%								
Mg 285.213†	657085.5	167.9	mg/L	2.14	167.9	mg/L	2.14	1.27%
QC value less than the lower limit for Mg 285.213 Recovery = 83.96%								
Mn 257.610†	392.3	0.0294	mg/L	0.00238	0.0294	mg/L	0.00238	8.11%
Mo 202.031†	-2317.6	0.0379	mg/L	0.00337	0.0379	mg/L	0.00337	8.89%
Na 589.592†	1676156.2	482.1	mg/L	6.38	482.1	mg/L	6.38	1.32%
QC value within limits for Na 589.592 Recovery = 96.42%								
Ni 231.604†	862.4	0.0301	mg/L	0.00228	0.0301	mg/L	0.00228	7.59%
Pb 220.353†	-2720.5	0.0421	mg/L	0.00556	0.0421	mg/L	0.00556	13.21%
Sb 206.836†	65.8	0.0106	mg/L	0.00436	0.0106	mg/L	0.00436	41.27%
Se 196.026†	-39.2	0.0204	mg/L	0.02449	0.0204	mg/L	0.02449	120.15%
Sn 189.927†	-151.3	-0.0165	mg/L	0.00627	-0.0165	mg/L	0.00627	37.91%
Ti 337.279†	0.1	0.0002	mg/L	0.00107	0.0002	mg/L	0.00107	596.23%
Tl 351.924†	149.0	0.0203	mg/L	0.01220	0.0203	mg/L	0.01220	60.22%
V 290.880†	10706.9	0.0269	mg/L	0.00315	0.0269	mg/L	0.00315	11.75%
Zn 206.200†	5306.2	0.0250	mg/L	0.00129	0.0250	mg/L	0.00129	5.15%
Zr 343.823†	4930.1	0.0026	mg/L	0.00026	0.0026	mg/L	0.00026	9.85%

QC Failed. Continue with analysis.

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Sequence No.: 11 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ RR **Date Collected: 4/14/2022 12:31:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

User canceled analysis.

Sequence No.: 20 **Autosampler Location: 44**
Sample ID: B305681-BLK1 **Date Collected: 4/14/2022 2:02:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: B305681-BLK1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	51388.9	93.0	%	0.14				0.15%
Y axial	3096294.1	97.8	%	0.74				0.76%
Ag 328.068†	30.3	0.0003	mg/L	0.00177	0.0003	mg/L	0.00177	519.36%
Al 396.153†	112.6	0.1243	mg/L	0.02669	0.1243	mg/L	0.02669	21.48%
As 188.979†	2.8	0.0010	mg/L	0.00260	0.0010	mg/L	0.00260	252.24%
B 208.889†	86.1	0.0052	mg/L	0.00037	0.0052	mg/L	0.00037	7.12%
Ba 233.527†	66.5	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	22.82%
Be 313.107†	3.9	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	248.75%
Ca 317.933†	6690.2	2.373	mg/L	0.4657	2.373	mg/L	0.4657	19.63%
Cd 228.802†	62.8	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	19.98%
Co 228.616†	-8.1	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	57.61%
Cr 267.716†	-21.3	-0.0002	mg/L	0.00066	-0.0002	mg/L	0.00066	350.36%
Cu 327.393†	110.1	0.0009	mg/L	0.00030	0.0009	mg/L	0.00030	33.69%
Fe 238.204†	261.4	0.1122	mg/L	0.02067	0.1122	mg/L	0.02067	18.42%
K 766.490†	118.6	0.0774	mg/L	0.06034	0.0774	mg/L	0.06034	78.01%
Mg 285.213†	266.8	0.0681	mg/L	0.01200	0.0681	mg/L	0.01200	17.62%
Mn 257.610†	21.9	0.0016	mg/L	0.00033	0.0016	mg/L	0.00033	19.79%
Mo 202.031†	9.3	0.0005	mg/L	0.00035	0.0005	mg/L	0.00035	73.98%
Na 589.592†	122.7	0.0353	mg/L	0.01809	0.0353	mg/L	0.01809	51.27%
Ni 231.604†	-4.1	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	176.29%
Pb 220.353†	4.6	0.0004	mg/L	0.00107	0.0004	mg/L	0.00107	258.43%
Sb 206.836†	-2.4	-0.0005	mg/L	0.00274	-0.0005	mg/L	0.00274	590.17%
Se 196.026†	1.1	0.0011	mg/L	0.00229	0.0011	mg/L	0.00229	206.73%
Sn 189.927†	-3.0	-0.0003	mg/L	0.00108	-0.0003	mg/L	0.00108	327.88%

Ti 337.279†	67.9	0.0115	mg/L	0.00152	0.0115	mg/L	0.00152 13.21%
Tl 351.924†	6.9	0.0009	mg/L	0.00414	0.0009	mg/L	0.00414 473.28%
V 290.880†	66.2	0.0003	mg/L	0.00026	0.0003	mg/L	0.00026 76.56%
Zn 206.200†	400.4	0.0034	mg/L	0.00015	0.0034	mg/L	0.00015 4.31%
Zr 343.823†	231.0	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026 32.13%

Sequence No.: 21 **Autosampler Location: 45**
Sample ID: B305681-BS1 **Date Collected: 4/14/2022 2:08:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: B305681-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	53004.4	96.0	%	1.83				1.90%
Y axial	3119700.8	98.5	%	1.20				1.22%
Ag 328.068†	45338.7	0.5134	mg/L	0.00796	0.5134	mg/L	0.00796	1.55%
Al 396.153†	463.6	0.4899	mg/L	0.02614	0.4899	mg/L	0.02614	5.34%
As 188.979†	1460.2	0.4454	mg/L	0.00259	0.4454	mg/L	0.00259	0.58%
B 208.889†	15198.7	0.9012	mg/L	0.01227	0.9012	mg/L	0.01227	1.36%
Ba 233.527†	74709.7	0.4882	mg/L	0.00112	0.4882	mg/L	0.00112	0.23%
Be 313.107†	46970.9	0.4798	mg/L	0.00025	0.4798	mg/L	0.00025	0.05%
Ca 317.933†	11805.6	4.187	mg/L	0.0251	4.187	mg/L	0.0251	0.60%
Cd 228.802†	52048.6	0.4644	mg/L	0.00183	0.4644	mg/L	0.00183	0.39%
Co 228.616†	49555.2	0.4790	mg/L	0.00200	0.4790	mg/L	0.00200	0.42%
Cr 267.716†	55860.6	0.4802	mg/L	0.00114	0.4802	mg/L	0.00114	0.24%
Cu 327.393†	122701.0	0.9444	mg/L	0.00410	0.9444	mg/L	0.00410	0.43%
Fe 238.204†	8982.1	3.856	mg/L	0.0145	3.856	mg/L	0.0145	0.38%
K 766.490†	5699.6	3.717	mg/L	0.0440	3.717	mg/L	0.0440	1.18%
Mg 285.213†	15518.0	3.961	mg/L	0.0074	3.961	mg/L	0.0074	0.19%
Mn 257.610†	6483.8	0.4862	mg/L	0.00153	0.4862	mg/L	0.00153	0.31%
Mo 202.031†	10073.9	0.4675	mg/L	0.00552	0.4675	mg/L	0.00552	1.18%
Na 589.592†	13158.9	3.785	mg/L	0.0321	3.785	mg/L	0.0321	0.85%
Ni 231.604†	20780.1	0.4851	mg/L	0.00470	0.4851	mg/L	0.00470	0.97%
Pb 220.353†	7384.6	0.4793	mg/L	0.00466	0.4793	mg/L	0.00466	0.97%
Sb 206.836†	2402.5	0.4730	mg/L	0.00442	0.4730	mg/L	0.00442	0.93%
Se 196.026†	494.8	0.4720	mg/L	0.00226	0.4720	mg/L	0.00226	0.48%
Sn 189.927†	4341.8	0.4744	mg/L	0.00449	0.4744	mg/L	0.00449	0.95%
Ti 337.279†	2868.0	0.4872	mg/L	0.00720	0.4872	mg/L	0.00720	1.48%
Tl 351.924†	3503.0	0.4740	mg/L	0.00539	0.4740	mg/L	0.00539	1.14%
V 290.880†	90699.8	0.4747	mg/L	0.00176	0.4747	mg/L	0.00176	0.37%
Zn 206.200†	112820.2	0.9517	mg/L	0.00284	0.9517	mg/L	0.00284	0.30%
Zr 343.823†	529.4	0.0018	mg/L	0.00066	0.0018	mg/L	0.00066	37.63%

Sequence No.: 22 **Autosampler Location: 46**
Sample ID: B305681-BSD1 **Date Collected: 4/14/2022 2:14:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: B305681-BSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	52454.6	95.0	%	0.88				0.93%
Y axial	3142415.2	99.2	%	0.42				0.42%
Ag 328.068†	44129.9	0.4997	mg/L	0.00296	0.4997	mg/L	0.00296	0.59%
Al 396.153†	472.9	0.5009	mg/L	0.02319	0.5009	mg/L	0.02319	4.63%
As 188.979†	1418.0	0.4325	mg/L	0.00783	0.4325	mg/L	0.00783	1.81%
B 208.889†	14737.3	0.8739	mg/L	0.00254	0.8739	mg/L	0.00254	0.29%
Ba 233.527†	72283.0	0.4724	mg/L	0.00119	0.4724	mg/L	0.00119	0.25%
Be 313.107†	45259.2	0.4623	mg/L	0.00251	0.4623	mg/L	0.00251	0.54%
Ca 317.933†	10889.2	3.862	mg/L	0.0074	3.862	mg/L	0.0074	0.19%
Cd 228.802†	50265.8	0.4484	mg/L	0.00099	0.4484	mg/L	0.00099	0.22%

Co 228.616†	47923.2	0.4632 mg/L	0.00072	0.4632 mg/L	0.00072	0.16%
Cr 267.716†	53962.3	0.4639 mg/L	0.00104	0.4639 mg/L	0.00104	0.23%
Cu 327.393†	119082.7	0.9166 mg/L	0.00186	0.9166 mg/L	0.00186	0.20%
Fe 238.204†	8662.2	3.719 mg/L	0.0187	3.719 mg/L	0.0187	0.50%
K 766.490†	5527.7	3.605 mg/L	0.0417	3.605 mg/L	0.0417	1.16%
Mg 285.213†	15079.8	3.849 mg/L	0.0126	3.849 mg/L	0.0126	0.33%
Mn 257.610†	6267.6	0.4700 mg/L	0.00181	0.4700 mg/L	0.00181	0.39%
Mo 202.031†	9742.2	0.4521 mg/L	0.00228	0.4521 mg/L	0.00228	0.50%
Na 589.592†	12773.4	3.674 mg/L	0.0184	3.674 mg/L	0.0184	0.50%
Ni 231.604†	20073.6	0.4687 mg/L	0.00249	0.4687 mg/L	0.00249	0.53%
Pb 220.353†	7147.8	0.4639 mg/L	0.00345	0.4639 mg/L	0.00345	0.74%
Sb 206.836†	2317.7	0.4564 mg/L	0.00057	0.4564 mg/L	0.00057	0.12%
Se 196.026†	473.3	0.4515 mg/L	0.00578	0.4515 mg/L	0.00578	1.28%
Sn 189.927†	4191.6	0.4580 mg/L	0.00346	0.4580 mg/L	0.00346	0.76%
Ti 337.279†	2782.0	0.4726 mg/L	0.00559	0.4726 mg/L	0.00559	1.18%
Tl 351.924†	3298.7	0.4462 mg/L	0.01480	0.4462 mg/L	0.01480	3.32%
V 290.880†	87832.1	0.4597 mg/L	0.00083	0.4597 mg/L	0.00083	0.18%
Zn 206.200†	108842.3	0.9182 mg/L	0.00285	0.9182 mg/L	0.00285	0.31%
Zr 343.823†	180.0	0.0006 mg/L	0.00014	0.0006 mg/L	0.00014	25.45%

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Sequence No.: 23
Sample ID: B305681-MS1
Analyst:
Initial Sample Wt:
Dilution:
Wash Time: 200

Autosampler Location: 47
Date Collected: 4/14/2022 2:21:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
Auto Dilution Factor: 1

Mean Data: B305681-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	51300.5	92.9	%	0.71				0.76%
Y axial	3029070.2	95.6	%	1.36				1.42%
Ag 328.068†	47602.1	0.5390	mg/L	0.01370	0.5390	mg/L	0.01370	2.54%
Al 396.153†	579.7	0.6169	mg/L	0.02068	0.6169	mg/L	0.02068	3.35%
As 188.979†	1530.1	0.4694	mg/L	0.00583	0.4694	mg/L	0.00583	1.24%
B 208.889†	16368.0	0.9711	mg/L	0.01399	0.9711	mg/L	0.01399	1.44%
Ba 233.527†	97156.6	0.6349	mg/L	0.00258	0.6349	mg/L	0.00258	0.41%
Be 313.107†	49262.1	0.5031	mg/L	0.00172	0.5031	mg/L	0.00172	0.34%
Ca 317.933†	193820.8	68.74	mg/L	1.294	68.74	mg/L	1.294	1.88%
Cd 228.802†	54467.3	0.4858	mg/L	0.00270	0.4858	mg/L	0.00270	0.56%
Co 228.616†	50453.5	0.4876	mg/L	0.00297	0.4876	mg/L	0.00297	0.61%
Cr 267.716†	58535.3	0.5026	mg/L	0.00207	0.5026	mg/L	0.00207	0.41%
Cu 327.393†	128664.8	0.9903	mg/L	0.00412	0.9903	mg/L	0.00412	0.42%
Fe 238.204†	10280.8	4.414	mg/L	0.0178	4.414	mg/L	0.0178	0.40%
K 766.490†	7607.0	4.961	mg/L	0.0427	4.961	mg/L	0.0427	0.86%
Mg 285.213†	67698.8	17.27	mg/L	0.024	17.27	mg/L	0.024	0.14%
Mn 257.610†	8553.2	0.6413	mg/L	0.00157	0.6413	mg/L	0.00157	0.24%
Mo 202.031†	10625.7	0.4933	mg/L	0.00808	0.4933	mg/L	0.00808	1.64%
Na 589.592†	27604.9	7.940	mg/L	0.1276	7.940	mg/L	0.1276	1.61%
Ni 231.604†	20933.3	0.4888	mg/L	0.00721	0.4888	mg/L	0.00721	1.48%
Pb 220.353†	7472.7	0.4870	mg/L	0.00800	0.4870	mg/L	0.00800	1.64%
Sb 206.836†	2509.7	0.4942	mg/L	0.01097	0.4942	mg/L	0.01097	2.22%
Se 196.026†	505.3	0.4819	mg/L	0.01067	0.4819	mg/L	0.01067	2.21%
Sn 189.927†	4421.7	0.4831	mg/L	0.00674	0.4831	mg/L	0.00674	1.40%
Ti 337.279†	2980.5	0.5063	mg/L	0.00142	0.5063	mg/L	0.00142	0.28%
Tl 351.924†	3723.6	0.5039	mg/L	0.01629	0.5039	mg/L	0.01629	3.23%
V 290.880†	95748.8	0.5011	mg/L	0.00148	0.5011	mg/L	0.00148	0.30%
Zn 206.200†	116370.9	0.9817	mg/L	0.00747	0.9817	mg/L	0.00747	0.76%
Zr 343.823†	92.8	0.0002	mg/L	0.00026	0.0002	mg/L	0.00026	108.28%

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Sequence No.: 24
Sample ID: SEQ-CCV@ 2112026
Analyst:
Initial Sample Wt:
Dilution:
Wash Time: 200

Autosampler Location: 5
Date Collected: 4/14/2022 2:27:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
Auto Dilution Factor: 1

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	50486.7	91.4	%	1.37				1.50%
Y axial	2947223.0	93.0	%	1.24				1.33%
Ag 328.068†	205483.3	2.287	mg/L	0.0617	2.287	mg/L	0.0617	2.70%
QC value within limits for Ag 328.068 Recovery = 91.47%								
Al 396.153†	9575.2	10.27	mg/L	0.077	10.27	mg/L	0.077	0.75%
QC value within limits for Al 396.153 Recovery = 102.70%								
As 188.979†	16170.3	4.926	mg/L	0.0804	4.926	mg/L	0.0804	1.63%
QC value within limits for As 188.979 Recovery = 98.53%								
B 208.889†	82040.8	4.720	mg/L	0.0194	4.720	mg/L	0.0194	0.41%
QC value within limits for B 208.889 Recovery = 94.40%								
Ba 233.527†	782674.9	5.115	mg/L	0.0081	5.115	mg/L	0.0081	0.16%
QC value within limits for Ba 233.527 Recovery = 102.30%								
Be 313.107†	494174.8	5.047	mg/L	0.0177	5.047	mg/L	0.0177	0.35%
QC value within limits for Be 313.107 Recovery = 100.94%								
Ca 317.933†	29240.2	10.37	mg/L	0.042	10.37	mg/L	0.042	0.40%
QC value within limits for Ca 317.933 Recovery = 103.71%								
Cd 228.802†	552104.3	4.918	mg/L	0.0100	4.918	mg/L	0.0100	0.20%
QC value within limits for Cd 228.802 Recovery = 98.37%								
Co 228.616†	523290.4	5.058	mg/L	0.0095	5.058	mg/L	0.0095	0.19%
QC value within limits for Co 228.616 Recovery = 101.16%								
Cr 267.716†	593174.3	5.101	mg/L	0.0101	5.101	mg/L	0.0101	0.20%
QC value within limits for Cr 267.716 Recovery = 102.02%								
Cu 327.393†	663431.8	5.133	mg/L	0.0083	5.133	mg/L	0.0083	0.16%
QC value within limits for Cu 327.393 Recovery = 102.67%								
Fe 238.204†	11935.1	5.133	mg/L	0.0189	5.133	mg/L	0.0189	0.37%
QC value within limits for Fe 238.204 Recovery = 102.66%								
K 766.490†	16038.9	10.46	mg/L	0.084	10.46	mg/L	0.084	0.81%
QC value within limits for K 766.490 Recovery = 104.61%								
Mg 285.213†	41430.3	10.56	mg/L	0.042	10.56	mg/L	0.042	0.40%
QC value within limits for Mg 285.213 Recovery = 105.61%								
Mn 257.610†	68161.5	5.111	mg/L	0.0173	5.111	mg/L	0.0173	0.34%
QC value within limits for Mn 257.610 Recovery = 102.22%								
Mo 202.031†	109367.9	5.064	mg/L	0.0108	5.064	mg/L	0.0108	0.21%
QC value within limits for Mo 202.031 Recovery = 101.28%								
Na 589.592†	36411.8	10.47	mg/L	0.051	10.47	mg/L	0.051	0.48%
QC value within limits for Na 589.592 Recovery = 104.72%								
Ni 231.604†	217029.5	5.068	mg/L	0.0104	5.068	mg/L	0.0104	0.20%
QC value within limits for Ni 231.604 Recovery = 101.35%								
Pb 220.353†	77703.4	5.050	mg/L	0.0158	5.050	mg/L	0.0158	0.31%
QC value within limits for Pb 220.353 Recovery = 101.01%								
Sb 206.836†	25406.2	5.004	mg/L	0.0877	5.004	mg/L	0.0877	1.75%
QC value within limits for Sb 206.836 Recovery = 100.09%								
Se 196.026†	5135.2	4.894	mg/L	0.1068	4.894	mg/L	0.1068	2.18%
QC value within limits for Se 196.026 Recovery = 97.88%								
Sn 189.927†	46034.9	5.025	mg/L	0.1064	5.025	mg/L	0.1064	2.12%
QC value within limits for Sn 189.927 Recovery = 100.49%								
Ti 337.279†	30047.5	5.152	mg/L	0.0152	5.152	mg/L	0.0152	0.30%
QC value within limits for Ti 337.279 Recovery = 103.05%								
Tl 351.924†	18034.2	2.441	mg/L	0.0065	2.441	mg/L	0.0065	0.27%
QC value within limits for Tl 351.924 Recovery = 97.62%								
V 290.880†	969785.9	5.078	mg/L	0.0071	5.078	mg/L	0.0071	0.14%
QC value within limits for V 290.880 Recovery = 101.57%								
Zn 206.200†	597252.6	5.045	mg/L	0.0148	5.045	mg/L	0.0148	0.29%
QC value within limits for Zn 206.200 Recovery = 100.91%								
Zr 343.823†	1481581.4	5.130	mg/L	0.0107	5.130	mg/L	0.0107	0.21%

All analyte(s) passed QC.

Sequence No.: 25 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 2:33:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	53120.5	96.2	%	0.42				0.44%
Y axial	3132256.6	98.9	%	0.86				0.87%
Ag 328.068†	213.0	0.0024	mg/L	0.00029	0.0024	mg/L	0.00029	11.93%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	7.9	0.0087	mg/L	0.00276	0.0087	mg/L	0.00276	31.60%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	11.2	0.0034	mg/L	0.00331	0.0034	mg/L	0.00331	96.42%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	236.1	0.0144	mg/L	0.00077	0.0144	mg/L	0.00077	5.39%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	53.0	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	41.07%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	53.9	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	12.21%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	73.2	0.0260	mg/L	0.00170	0.0260	mg/L	0.00170	6.54%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	107.5	0.0009	mg/L	0.00006	0.0009	mg/L	0.00006	6.91%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	65.8	0.0006	mg/L	0.00037	0.0006	mg/L	0.00037	58.21%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	98.0	0.0008	mg/L	0.00065	0.0008	mg/L	0.00065	77.05%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	44.8	0.0004	mg/L	0.00089	0.0004	mg/L	0.00089	253.84%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	7.2	0.0031	mg/L	0.00158	0.0031	mg/L	0.00158	51.38%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-61.0	-0.0398	mg/L	0.03663	-0.0398	mg/L	0.03663	92.11%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	10.9	0.0028	mg/L	0.00127	0.0028	mg/L	0.00127	45.81%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	10.0	0.0008	mg/L	0.00034	0.0008	mg/L	0.00034	44.89%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	10.1	0.0005	mg/L	0.00049	0.0005	mg/L	0.00049	105.78%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	26.2	0.0075	mg/L	0.01017	0.0075	mg/L	0.01017	135.23%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	15.4	0.0004	mg/L	0.00055	0.0004	mg/L	0.00055	154.18%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	26.4	0.0017	mg/L	0.00038	0.0017	mg/L	0.00038	22.19%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	6.9	0.0013	mg/L	0.00177	0.0013	mg/L	0.00177	131.47%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.7	0.0016	mg/L	0.00224	0.0016	mg/L	0.00224	141.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	6.6	0.0007	mg/L	0.00116	0.0007	mg/L	0.00116	161.25%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	8.4	0.0014	mg/L	0.00210	0.0014	mg/L	0.00210	146.64%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	51.0	0.0069	mg/L	0.00972	0.0069	mg/L	0.00972	139.97%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	46.3	0.0002	mg/L	0.00077	0.0002	mg/L	0.00077	317.18%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	94.2	0.0008	mg/L	0.00005	0.0008	mg/L	0.00005	5.69%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	174.3	0.0006	mg/L	0.00050	0.0006	mg/L	0.00050	82.32%

All analyte(s) passed QC.

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Sequence No.: 26 **Autosampler Location: 48**
Sample ID: B305681-MSD1 **Date Collected: 4/14/2022 2:39:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: B305681-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	50745.2	91.9	%	1.03				1.12%
Y axial	2993512.9	94.5	%	0.17				0.18%
Ag 328.068†	47630.3	0.5393	mg/L	0.00518	0.5393	mg/L	0.00518	0.96%
Al 396.153†	624.3	0.6662	mg/L	0.00871	0.6662	mg/L	0.00871	1.31%
As 188.979†	1528.5	0.4690	mg/L	0.00422	0.4690	mg/L	0.00422	0.90%
B 208.889†	16411.5	0.9737	mg/L	0.00127	0.9737	mg/L	0.00127	0.13%
Ba 233.527†	97979.6	0.6402	mg/L	0.00125	0.6402	mg/L	0.00125	0.19%
Be 313.107†	49407.5	0.5046	mg/L	0.00232	0.5046	mg/L	0.00232	0.46%
Ca 317.933†	196304.5	69.63	mg/L	1.161	69.63	mg/L	1.161	1.67%
Cd 228.802†	54849.5	0.4894	mg/L	0.00123	0.4894	mg/L	0.00123	0.25%
Co 228.616†	50768.5	0.4906	mg/L	0.00132	0.4906	mg/L	0.00132	0.27%
Cr 267.716†	59035.1	0.5069	mg/L	0.00033	0.5069	mg/L	0.00033	0.07%
Cu 327.393†	129975.5	1.000	mg/L	0.0017	1.000	mg/L	0.0017	0.17%
Fe 238.204†	10404.7	4.467	mg/L	0.0139	4.467	mg/L	0.0139	0.31%
K 766.490†	7641.9	4.984	mg/L	0.0847	4.984	mg/L	0.0847	1.70%
Mg 285.213†	67913.0	17.32	mg/L	0.080	17.32	mg/L	0.080	0.46%
Mn 257.610†	8595.6	0.6445	mg/L	0.00151	0.6445	mg/L	0.00151	0.23%
Mo 202.031†	10630.3	0.4935	mg/L	0.00046	0.4935	mg/L	0.00046	0.09%
Na 589.592†	28022.3	8.060	mg/L	0.1279	8.060	mg/L	0.1279	1.59%
Ni 231.604†	20925.8	0.4886	mg/L	0.00049	0.4886	mg/L	0.00049	0.10%
Pb 220.353†	7476.7	0.4873	mg/L	0.00120	0.4873	mg/L	0.00120	0.25%
Sb 206.836†	2498.8	0.4919	mg/L	0.00238	0.4919	mg/L	0.00238	0.48%
Se 196.026†	504.8	0.4815	mg/L	0.00732	0.4815	mg/L	0.00732	1.52%
Sn 189.927†	4418.1	0.4828	mg/L	0.00035	0.4828	mg/L	0.00035	0.07%
Ti 337.279†	3003.2	0.5102	mg/L	0.00429	0.5102	mg/L	0.00429	0.84%
Tl 351.924†	3704.0	0.5012	mg/L	0.01004	0.5012	mg/L	0.01004	2.00%
V 290.880†	96576.0	0.5055	mg/L	0.00156	0.5055	mg/L	0.00156	0.31%
Zn 206.200†	118169.0	0.9968	mg/L	0.00318	0.9968	mg/L	0.00318	0.32%
Zr 343.823†	178.8	0.0005	mg/L	0.00043	0.0005	mg/L	0.00043	81.26%

V 290.880†	376347.4	1.970	mg/L	0.0055	1.970	mg/L	0.0055	0.28%
Zn 206.200†	453001.1	3.821	mg/L	0.0165	3.821	mg/L	0.0165	0.43%
Zr 343.823†	111.0	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	172.51%

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Sequence No.: 29 **Autosampler Location: 51**
Sample ID: 22D0541-15 **Date Collected: 4/14/2022 2:58:07 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-15

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	51935.5	94.0	%	0.57				0.60%
Y axial	3007525.8	94.9	%	1.75				1.85%
Ag 328.068†	103.1	0.0012	mg/L	0.00087	0.0012	mg/L	0.00087	73.89%
Al 396.153†	273.8	0.3023	mg/L	0.00903	0.3023	mg/L	0.00903	2.99%
As 188.979†	-26.0	-0.0051	mg/L	0.00104	-0.0051	mg/L	0.00104	20.14%
B 208.889†	305.5	0.0185	mg/L	0.00060	0.0185	mg/L	0.00060	3.22%
Ba 233.527†	19162.1	0.1252	mg/L	0.00204	0.1252	mg/L	0.00204	1.63%
Be 313.107†	-0.0	-0.0000	mg/L	0.00005	-0.0000	mg/L	0.00005	853.67%
Ca 317.933†	177900.7	63.10	mg/L	0.154	63.10	mg/L	0.154	0.24%
Cd 228.802†	34.8	0.0006	mg/L	0.00010	0.0006	mg/L	0.00010	16.89%
Co 228.616†	19.2	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	115.28%
Cr 267.716†	293.5	0.0019	mg/L	0.00010	0.0019	mg/L	0.00010	5.40%

Cu 327.393†	68.3	0.0006 mg/L	0.00114	0.0006 mg/L	0.00114	196.30%
Fe 238.204†	1518.9	0.6520 mg/L	0.00552	0.6520 mg/L	0.00552	0.85%
K 766.490†	1538.5	1.003 mg/L	0.0269	1.003 mg/L	0.0269	2.68%
Mg 285.213†	50712.7	12.93 mg/L	0.038	12.93 mg/L	0.038	0.30%
Mn 257.610†	1781.1	0.1335 mg/L	0.00064	0.1335 mg/L	0.00064	0.48%
Mo 202.031†	55.8	0.0028 mg/L	0.00075	0.0028 mg/L	0.00075	27.02%
Na 589.592†	13351.5	3.840 mg/L	0.0290	3.840 mg/L	0.0290	0.76%
Ni 231.604†	-22.2	-0.0005 mg/L	0.00025	-0.0005 mg/L	0.00025	50.15%
Pb 220.353†	-77.6	-0.0030 mg/L	0.00044	-0.0030 mg/L	0.00044	14.66%
Sb 206.836†	-21.7	-0.0043 mg/L	0.00180	-0.0043 mg/L	0.00180	41.41%
Se 196.026†	-10.6	-0.0102 mg/L	0.00033	-0.0102 mg/L	0.00033	3.28%
Sn 189.927†	-104.4	-0.0114 mg/L	0.00048	-0.0114 mg/L	0.00048	4.24%
Ti 337.279†	39.8	0.0068 mg/L	0.00208	0.0068 mg/L	0.00208	30.74%
Tl 351.924†	-87.7	-0.0120 mg/L	0.01452	-0.0120 mg/L	0.01452	121.01%
V 290.880†	309.7	0.0016 mg/L	0.00012	0.0016 mg/L	0.00012	7.66%
Zn 206.200†	669.7	0.0056 mg/L	0.00009	0.0056 mg/L	0.00009	1.56%
Zr 343.823†	7.5	0.0000 mg/L	0.00018	0.0000 mg/L	0.00018	>999.9%

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Sequence No.: 30 **Autosampler Location: 52**
Sample ID: 22D0541-01 **Date Collected: 4/14/2022 3:03:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	50929.8	92.2	%	0.54				0.59%
Y axial	2953872.2	93.3	%	1.37				1.47%
Ag 328.068†	-115.0	-0.0010	mg/L	0.00072	-0.0010	mg/L	0.00072	70.61%
Al 396.153†	232.1	0.2563	mg/L	0.00695	0.2563	mg/L	0.00695	2.71%
As 188.979†	-24.5	-0.0003	mg/L	0.00310	-0.0003	mg/L	0.00310	943.99%
B 208.889†	248.7	0.0152	mg/L	0.00040	0.0152	mg/L	0.00040	2.67%
Ba 233.527†	23112.9	0.1510	mg/L	0.00211	0.1510	mg/L	0.00211	1.40%
Be 313.107†	23.0	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	59.41%
Ca 317.933†	365564.7	129.7	mg/L	0.46	129.7	mg/L	0.46	0.36%
Cd 228.802†	17.3	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	18.71%
Co 228.616†	4.3	-0.0000	mg/L	0.00028	-0.0000	mg/L	0.00028	874.63%
Cr 267.716†	192.6	-0.0002	mg/L	0.00029	-0.0002	mg/L	0.00029	131.20%
Cu 327.393†	-211.9	-0.0009	mg/L	0.00084	-0.0009	mg/L	0.00084	95.27%
Fe 238.204†	26637.7	11.43	mg/L	0.118	11.43	mg/L	0.118	1.03%
K 766.490†	1973.9	1.287	mg/L	0.0346	1.287	mg/L	0.0346	2.69%
Mg 285.213†	120360.6	30.70	mg/L	0.126	30.70	mg/L	0.126	0.41%
Mn 257.610†	17066.8	1.279	mg/L	0.0118	1.279	mg/L	0.0118	0.92%
Mo 202.031†	5.5	0.0040	mg/L	0.00103	0.0040	mg/L	0.00103	25.84%
Na 589.592†	23542.3	6.771	mg/L	0.0428	6.771	mg/L	0.0428	0.63%
Ni 231.604†	-129.9	-0.0028	mg/L	0.00057	-0.0028	mg/L	0.00057	20.56%
Pb 220.353†	-149.6	-0.0058	mg/L	0.00066	-0.0058	mg/L	0.00066	11.28%
Sb 206.836†	-48.9	-0.0097	mg/L	0.00046	-0.0097	mg/L	0.00046	4.70%
Se 196.026†	-13.7	-0.0129	mg/L	0.00411	-0.0129	mg/L	0.00411	31.83%
Sn 189.927†	-115.2	-0.0126	mg/L	0.00055	-0.0126	mg/L	0.00055	4.33%
Ti 337.279†	45.1	0.0077	mg/L	0.00245	0.0077	mg/L	0.00245	31.92%
Tl 351.924†	8.3	0.0011	mg/L	0.01101	0.0011	mg/L	0.01101	>999.9%
V 290.880†	745.9	0.0030	mg/L	0.00036	0.0030	mg/L	0.00036	12.06%
Zn 206.200†	557.9	0.0042	mg/L	0.00007	0.0042	mg/L	0.00007	1.58%
Zr 343.823†	795.3	0.0024	mg/L	0.00075	0.0024	mg/L	0.00075	31.28%

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Sequence No.: 31 **Autosampler Location: 53**
Sample ID: 22D0541-02 **Date Collected: 4/14/2022 3:09:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	52280.6	94.7	%	0.47				0.49%
Y axial	3044222.4	96.1	%	0.67				0.69%
Ag 328.068†	-4.8	-0.0004	mg/L	0.00110	-0.0004	mg/L	0.00110	292.44%
Al 396.153†	84.3	0.0930	mg/L	0.00097	0.0930	mg/L	0.00097	1.04%
As 188.979†	-19.2	-0.0027	mg/L	0.00278	-0.0027	mg/L	0.00278	101.35%
B 208.889†	214.5	0.0130	mg/L	0.00079	0.0130	mg/L	0.00079	6.08%
Ba 233.527†	37725.8	0.2464	mg/L	0.00045	0.2464	mg/L	0.00045	0.18%
Be 313.107†	-2.6	-0.0000	mg/L	0.00011	-0.0000	mg/L	0.00011	343.51%
Ca 317.933†	190771.3	67.66	mg/L	0.263	67.66	mg/L	0.263	0.39%
Cd 228.802†	44.7	0.0006	mg/L	0.00016	0.0006	mg/L	0.00016	25.47%
Co 228.616†	124.9	0.0011	mg/L	0.00016	0.0011	mg/L	0.00016	14.14%
Cr 267.716†	133.4	-0.0005	mg/L	0.00004	-0.0005	mg/L	0.00004	7.43%
Cu 327.393†	50.5	0.0004	mg/L	0.00045	0.0004	mg/L	0.00045	105.38%
Fe 238.204†	1221.8	0.5244	mg/L	0.00436	0.5244	mg/L	0.00436	0.83%
K 766.490†	1389.7	0.9064	mg/L	0.01655	0.9064	mg/L	0.01655	1.83%
Mg 285.213†	55461.8	14.14	mg/L	0.031	14.14	mg/L	0.031	0.22%
Mn 257.610†	28392.1	2.128	mg/L	0.0090	2.128	mg/L	0.0090	0.42%
Mo 202.031†	42.0	0.0021	mg/L	0.00094	0.0021	mg/L	0.00094	44.31%
Na 589.592†	26631.7	7.660	mg/L	0.0323	7.660	mg/L	0.0323	0.42%
Ni 231.604†	-41.7	-0.0010	mg/L	0.00028	-0.0010	mg/L	0.00028	28.89%
Pb 220.353†	-99.7	-0.0047	mg/L	0.00063	-0.0047	mg/L	0.00063	13.50%
Sb 206.836†	-32.1	-0.0064	mg/L	0.00238	-0.0064	mg/L	0.00238	37.31%
Se 196.026†	-7.8	-0.0095	mg/L	0.00451	-0.0095	mg/L	0.00451	47.36%
Sn 189.927†	-110.5	-0.0121	mg/L	0.00076	-0.0121	mg/L	0.00076	6.28%
Ti 337.279†	16.2	0.0027	mg/L	0.00144	0.0027	mg/L	0.00144	52.51%
Tl 351.924†	-23.0	-0.0032	mg/L	0.00658	-0.0032	mg/L	0.00658	208.26%
V 290.880†	284.6	0.0012	mg/L	0.00037	0.0012	mg/L	0.00037	30.30%
Zn 206.200†	738.9	0.0062	mg/L	0.00005	0.0062	mg/L	0.00005	0.85%
Zr 343.823†	31.0	0.0001	mg/L	0.00042	0.0001	mg/L	0.00042	460.05%

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Sequence No.: 32 **Autosampler Location: 54**
Sample ID: 22D0541-03 **Date Collected: 4/14/2022 3:15:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-03

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	52133.7	94.4	%	0.61				0.65%
Y axial	3029961.9	95.7	%	0.75				0.79%
Ag 328.068†	-71.0	-0.0006	mg/L	0.00163	-0.0006	mg/L	0.00163	271.41%
Al 396.153†	37.8	0.0417	mg/L	0.00698	0.0417	mg/L	0.00698	16.76%
As 188.979†	164.9	0.0556	mg/L	0.00030	0.0556	mg/L	0.00030	0.55%
B 208.889†	1354.8	0.0826	mg/L	0.00059	0.0826	mg/L	0.00059	0.72%
Ba 233.527†	71269.6	0.4655	mg/L	0.00066	0.4655	mg/L	0.00066	0.14%
Be 313.107†	6.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	167.49%
Ca 317.933†	284058.7	100.8	mg/L	0.40	100.8	mg/L	0.40	0.40%
Cd 228.802†	196.1	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	292.50%
Co 228.616†	7.0	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	85.63%
Cr 267.716†	72.0	-0.0007	mg/L	0.00009	-0.0007	mg/L	0.00009	12.46%
Cu 327.393†	-153.2	-0.0008	mg/L	0.00070	-0.0008	mg/L	0.00070	89.98%
Fe 238.204†	14469.3	6.211	mg/L	0.0421	6.211	mg/L	0.0421	0.68%
K 766.490†	2717.5	1.772	mg/L	0.0280	1.772	mg/L	0.0280	1.58%
Mg 285.213†	109270.8	27.87	mg/L	0.103	27.87	mg/L	0.103	0.37%
Mn 257.610†	5581.8	0.4184	mg/L	0.00321	0.4184	mg/L	0.00321	0.77%
Mo 202.031†	33.7	0.0036	mg/L	0.00037	0.0036	mg/L	0.00037	10.42%
Na 589.592†	71936.4	20.69	mg/L	0.096	20.69	mg/L	0.096	0.46%
Ni 231.604†	-117.6	-0.0026	mg/L	0.00028	-0.0026	mg/L	0.00028	10.63%
Pb 220.353†	-139.6	-0.0060	mg/L	0.00087	-0.0060	mg/L	0.00087	14.36%
Sb 206.836†	-39.2	-0.0078	mg/L	0.00179	-0.0078	mg/L	0.00179	23.14%
Se 196.026†	-4.8	-0.0042	mg/L	0.00544	-0.0042	mg/L	0.00544	130.71%
Sn 189.927†	-90.1	-0.0098	mg/L	0.00117	-0.0098	mg/L	0.00117	11.93%
Ti 337.279†	17.1	0.0029	mg/L	0.00040	0.0029	mg/L	0.00040	13.87%
Tl 351.924†	-28.7	-0.0039	mg/L	0.00231	-0.0039	mg/L	0.00231	58.74%

V 290.880†	276.4	0.0010	mg/L	0.00071	0.0010	mg/L	0.00071	71.07%
Zn 206.200†	666.7	0.0053	mg/L	0.00005	0.0053	mg/L	0.00005	0.92%
Zr 343.823†	262.4	0.0007	mg/L	0.00057	0.0007	mg/L	0.00057	80.44%

Sequence No.: 33 **Autosampler Location: 55**
Sample ID: 22D0541-04 **Date Collected: 4/14/2022 3:22:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: 22D0541-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	52863.7	95.7	%	0.86				0.90%
Y axial	3053607.5	96.4	%	0.52				0.54%
Ag 328.068†	-208.7	-0.0018	mg/L	0.00061	-0.0018	mg/L	0.00061	34.21%
Al 396.153†	114.2	0.1262	mg/L	0.00159	0.1262	mg/L	0.00159	1.26%
As 188.979†	-9.7	0.0041	mg/L	0.00212	0.0041	mg/L	0.00212	51.25%
B 208.889†	178.2	0.0110	mg/L	0.00034	0.0110	mg/L	0.00034	3.08%
Ba 233.527†	22686.5	0.1482	mg/L	0.00096	0.1482	mg/L	0.00096	0.65%
Be 313.107†	-20.6	-0.0002	mg/L	0.00018	-0.0002	mg/L	0.00018	81.09%
Ca 317.933†	313709.4	111.3	mg/L	0.18	111.3	mg/L	0.18	0.16%
Cd 228.802†	-3.6	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	172.20%
Co 228.616†	4.7	-0.0000	mg/L	0.00016	-0.0000	mg/L	0.00016	544.36%
Cr 267.716†	92.0	-0.0008	mg/L	0.00023	-0.0008	mg/L	0.00023	27.78%
Cu 327.393†	-298.9	-0.0012	mg/L	0.00098	-0.0012	mg/L	0.00098	81.97%
Fe 238.204†	40357.4	17.32	mg/L	0.020	17.32	mg/L	0.020	0.12%
K 766.490†	1448.0	0.9444	mg/L	0.07658	0.9444	mg/L	0.07658	8.11%
Mg 285.213†	103163.6	26.32	mg/L	0.060	26.32	mg/L	0.060	0.23%
Mn 257.610†	14782.3	1.108	mg/L	0.0091	1.108	mg/L	0.0091	0.82%
Mo 202.031†	-56.3	0.0030	mg/L	0.00024	0.0030	mg/L	0.00024	7.92%
Na 589.592†	18991.1	5.462	mg/L	0.0132	5.462	mg/L	0.0132	0.24%
Ni 231.604†	-139.0	-0.0029	mg/L	0.00020	-0.0029	mg/L	0.00020	7.09%
Pb 220.353†	-123.6	-0.0047	mg/L	0.00053	-0.0047	mg/L	0.00053	11.14%
Sb 206.836†	-45.2	-0.0090	mg/L	0.00182	-0.0090	mg/L	0.00182	20.15%
Se 196.026†	-18.3	-0.0163	mg/L	0.00481	-0.0163	mg/L	0.00481	29.52%
Sn 189.927†	-110.6	-0.0121	mg/L	0.00032	-0.0121	mg/L	0.00032	2.69%
Ti 337.279†	33.3	0.0057	mg/L	0.00226	0.0057	mg/L	0.00226	39.68%
Tl 351.924†	25.2	0.0034	mg/L	0.00305	0.0034	mg/L	0.00305	89.46%
V 290.880†	485.6	0.0013	mg/L	0.00059	0.0013	mg/L	0.00059	46.09%
Zn 206.200†	512.2	0.0035	mg/L	0.00010	0.0035	mg/L	0.00010	2.81%
Zr 343.823†	612.4	0.0016	mg/L	0.00011	0.0016	mg/L	0.00011	6.91%

Sequence No.: 34 **Autosampler Location: 56**
Sample ID: 22D0541-05 **Date Collected: 4/14/2022 3:28:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	53469.5	96.8	%	0.49				0.50%
Y axial	3105321.4	98.0	%	0.33				0.34%
Ag 328.068†	-22.1	-0.0005	mg/L	0.00045	-0.0005	mg/L	0.00045	96.29%
Al 396.153†	5.5	0.0060	mg/L	0.01162	0.0060	mg/L	0.01162	193.65%
As 188.979†	2.8	0.0053	mg/L	0.00188	0.0053	mg/L	0.00188	35.70%
B 208.889†	350.6	0.0213	mg/L	0.00080	0.0213	mg/L	0.00080	3.78%
Ba 233.527†	98801.5	0.6453	mg/L	0.00201	0.6453	mg/L	0.00201	0.31%
Be 313.107†	-26.1	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010	36.05%
Ca 317.933†	270744.4	96.03	mg/L	0.208	96.03	mg/L	0.208	0.22%
Cd 228.802†	38.4	0.0003	mg/L	0.00019	0.0003	mg/L	0.00019	57.91%
Co 228.616†	74.1	0.0005	mg/L	0.00007	0.0005	mg/L	0.00007	14.23%
Cr 267.716†	76.8	-0.0012	mg/L	0.00023	-0.0012	mg/L	0.00023	20.21%

Cu 327.393†	-61.2	-0.0004 mg/L	0.00045	-0.0004 mg/L	0.00045	121.20%
Fe 238.204†	3571.1	1.533 mg/L	0.0095	1.533 mg/L	0.0095	0.62%
K 766.490†	961.0	0.6268 mg/L	0.07436	0.6268 mg/L	0.07436	11.86%
Mg 285.213†	89343.8	22.78 mg/L	0.064	22.78 mg/L	0.064	0.28%
Mn 257.610†	23549.3	1.765 mg/L	0.0156	1.765 mg/L	0.0156	0.88%
Mo 202.031†	41.6	0.0024 mg/L	0.00031	0.0024 mg/L	0.00031	12.84%
Na 589.592†	19415.5	5.584 mg/L	0.0110	5.584 mg/L	0.0110	0.20%
Ni 231.604†	-97.4	-0.0022 mg/L	0.00023	-0.0022 mg/L	0.00023	10.22%
Pb 220.353†	-113.5	-0.0047 mg/L	0.00111	-0.0047 mg/L	0.00111	23.72%
Sb 206.836†	-33.0	-0.0065 mg/L	0.00285	-0.0065 mg/L	0.00285	43.58%
Se 196.026†	-11.1	-0.0122 mg/L	0.00334	-0.0122 mg/L	0.00334	27.25%
Sn 189.927†	-103.9	-0.0113 mg/L	0.00085	-0.0113 mg/L	0.00085	7.50%
Ti 337.279†	6.8	0.0012 mg/L	0.00075	0.0012 mg/L	0.00075	65.20%
Tl 351.924†	2.5	0.0003 mg/L	0.00306	0.0003 mg/L	0.00306	920.70%
V 290.880†	301.8	0.0013 mg/L	0.00031	0.0013 mg/L	0.00031	24.33%
Zn 206.200†	334.6	0.0028 mg/L	0.00013	0.0028 mg/L	0.00013	4.80%
Zr 343.823†	69.1	0.0002 mg/L	0.00028	0.0002 mg/L	0.00028	149.99%

Sequence No.: 35
Sample ID: 22D0541-06
Analyst:
Initial Sample Wt:
Dilution:
Wash Time: 100

Autosampler Location: 57
Date Collected: 4/14/2022 3:34:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
Auto Dilution Factor: 1

Mean Data: 22D0541-06

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	50245.4	91.0	%	1.12				1.23%
Y axial	2935453.8	92.7	%	0.38				0.41%
Ag 328.068†	-167.7	-0.0018	mg/L	0.00042	-0.0018	mg/L	0.00042	23.87%
Al 396.153†	21.9	0.0241	mg/L	0.01037	0.0241	mg/L	0.01037	43.06%
As 188.979†	-2.0	0.0044	mg/L	0.00127	0.0044	mg/L	0.00127	28.80%
B 208.889†	356.4	0.0216	mg/L	0.00044	0.0216	mg/L	0.00044	2.04%
Ba 233.527†	61467.0	0.4015	mg/L	0.00120	0.4015	mg/L	0.00120	0.30%
Be 313.107†	26.8	0.0003	mg/L	0.00022	0.0003	mg/L	0.00022	81.21%
Ca 317.933†	302019.3	107.1	mg/L	0.38	107.1	mg/L	0.38	0.35%
Cd 228.802†	20.9	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	63.85%
Co 228.616†	44.4	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	19.70%
Cr 267.716†	83.8	-0.0006	mg/L	0.00017	-0.0006	mg/L	0.00017	26.92%
Cu 327.393†	-218.9	-0.0014	mg/L	0.00102	-0.0014	mg/L	0.00102	70.69%
Fe 238.204†	8800.3	3.777	mg/L	0.0586	3.777	mg/L	0.0586	1.55%
K 766.490†	2045.0	1.334	mg/L	0.0571	1.334	mg/L	0.0571	4.28%
Mg 285.213†	122211.7	31.17	mg/L	0.066	31.17	mg/L	0.066	0.21%
Mn 257.610†	3014.6	0.2260	mg/L	0.00380	0.2260	mg/L	0.00380	1.68%
Mo 202.031†	52.9	0.0037	mg/L	0.00040	0.0037	mg/L	0.00040	10.98%
Na 589.592†	22116.6	6.361	mg/L	0.0287	6.361	mg/L	0.0287	0.45%
Ni 231.604†	-87.5	-0.0020	mg/L	0.00029	-0.0020	mg/L	0.00029	14.92%
Pb 220.353†	-101.9	-0.0034	mg/L	0.00078	-0.0034	mg/L	0.00078	23.07%
Sb 206.836†	-33.9	-0.0067	mg/L	0.00341	-0.0067	mg/L	0.00341	50.96%
Se 196.026†	-11.7	-0.0109	mg/L	0.00247	-0.0109	mg/L	0.00247	22.56%
Sn 189.927†	-92.7	-0.0101	mg/L	0.00024	-0.0101	mg/L	0.00024	2.32%
Ti 337.279†	-2.3	-0.0004	mg/L	0.00221	-0.0004	mg/L	0.00221	578.96%
Tl 351.924†	2.8	0.0004	mg/L	0.01079	0.0004	mg/L	0.01079	>999.9%
V 290.880†	403.0	0.0018	mg/L	0.00025	0.0018	mg/L	0.00025	13.63%
Zn 206.200†	433.3	0.0035	mg/L	0.00015	0.0035	mg/L	0.00015	4.23%
Zr 343.823†	58.8	0.0001	mg/L	0.00054	0.0001	mg/L	0.00054	657.66%

Sequence No.: 36
Sample ID: SEQ-CCV@ 2112026
Analyst:
Initial Sample Wt:
Dilution:
Wash Time: 100

Autosampler Location: 5
Date Collected: 4/14/2022 3:40:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
Auto Dilution Factor: 1

RR MJH 4/17/22

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	49525.6	89.7	%	0.81				0.90%
Y axial	2915499.0	92.0	%	0.59				0.64%
Ag 328.068†	201677.9	2.243	mg/L	0.0346	2.243	mg/L	0.0346	1.54%
QC value less than the lower limit for Ag 328.068 Recovery = 89.73%								
Al 396.153†	9724.3	10.43	mg/L	0.034	10.43	mg/L	0.034	0.33%
QC value within limits for Al 396.153 Recovery = 104.31%								
As 188.979†	16376.1	4.989	mg/L	0.0315	4.989	mg/L	0.0315	0.63%
QC value within limits for As 188.979 Recovery = 99.79%								
B 208.889†	83886.7	4.830	mg/L	0.0374	4.830	mg/L	0.0374	0.78%
QC value within limits for B 208.889 Recovery = 96.60%								
Ba 233.527†	789654.2	5.160	mg/L	0.0075	5.160	mg/L	0.0075	0.15%
QC value within limits for Ba 233.527 Recovery = 103.21%								
Be 313.107†	498174.1	5.088	mg/L	0.0162	5.088	mg/L	0.0162	0.32%
QC value within limits for Be 313.107 Recovery = 101.76%								
Ca 317.933†	29408.2	10.43	mg/L	0.008	10.43	mg/L	0.008	0.07%
QC value within limits for Ca 317.933 Recovery = 104.31%								
Cd 228.802†	555649.1	4.949	mg/L	0.0084	4.949	mg/L	0.0084	0.17%
QC value within limits for Cd 228.802 Recovery = 98.97%								
Co 228.616†	526594.3	5.090	mg/L	0.0110	5.090	mg/L	0.0110	0.22%
QC value within limits for Co 228.616 Recovery = 101.80%								
Cr 267.716†	598043.5	5.143	mg/L	0.0093	5.143	mg/L	0.0093	0.18%
QC value within limits for Cr 267.716 Recovery = 102.85%								
Cu 327.393†	669417.8	5.180	mg/L	0.0106	5.180	mg/L	0.0106	0.20%
QC value within limits for Cu 327.393 Recovery = 103.59%								
Fe 238.204†	12136.1	5.219	mg/L	0.0164	5.219	mg/L	0.0164	0.31%
QC value within limits for Fe 238.204 Recovery = 104.39%								
K 766.490†	16335.2	10.65	mg/L	0.101	10.65	mg/L	0.101	0.95%
QC value within limits for K 766.490 Recovery = 106.54%								
Mg 285.213†	42047.1	10.72	mg/L	0.051	10.72	mg/L	0.051	0.48%
QC value within limits for Mg 285.213 Recovery = 107.18%								
Mn 257.610†	68975.5	5.172	mg/L	0.0138	5.172	mg/L	0.0138	0.27%
QC value within limits for Mn 257.610 Recovery = 103.44%								
Mo 202.031†	110389.3	5.111	mg/L	0.0066	5.111	mg/L	0.0066	0.13%
QC value within limits for Mo 202.031 Recovery = 102.22%								
Na 589.592†	37134.4	10.68	mg/L	0.072	10.68	mg/L	0.072	0.67%
QC value within limits for Na 589.592 Recovery = 106.80%								
Ni 231.604†	218484.3	5.102	mg/L	0.0137	5.102	mg/L	0.0137	0.27%
QC value within limits for Ni 231.604 Recovery = 102.03%								
Pb 220.353†	78245.3	5.086	mg/L	0.0168	5.086	mg/L	0.0168	0.33%
QC value within limits for Pb 220.353 Recovery = 101.71%								
Sb 206.836†	25749.6	5.072	mg/L	0.0404	5.072	mg/L	0.0404	0.80%
QC value within limits for Sb 206.836 Recovery = 101.44%								
Se 196.026†	5182.5	4.939	mg/L	0.0430	4.939	mg/L	0.0430	0.87%
QC value within limits for Se 196.026 Recovery = 98.79%								
Sn 189.927†	46699.4	5.097	mg/L	0.0325	5.097	mg/L	0.0325	0.64%
QC value within limits for Sn 189.927 Recovery = 101.95%								
Ti 337.279†	30400.2	5.213	mg/L	0.0185	5.213	mg/L	0.0185	0.35%
QC value within limits for Ti 337.279 Recovery = 104.25%								
Tl 351.924†	18189.2	2.461	mg/L	0.0054	2.461	mg/L	0.0054	0.22%
QC value within limits for Tl 351.924 Recovery = 98.46%								
V 290.880†	979178.0	5.128	mg/L	0.0092	5.128	mg/L	0.0092	0.18%
QC value within limits for V 290.880 Recovery = 102.55%								
Zn 206.200†	600968.3	5.077	mg/L	0.0146	5.077	mg/L	0.0146	0.29%
QC value within limits for Zn 206.200 Recovery = 101.53%								
Zr 343.823†	1497565.1	5.186	mg/L	0.0087	5.186	mg/L	0.0087	0.17%

QC Failed. Continue with analysis.
User canceled analysis.

RR MJH 4/17/22

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Analysis Begun

Start Time: 4/14/2022 3:47:33 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22

Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

Sequence No.: 36 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 3:47:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	49093.5	88.9	%	1.26				1.41%
Y axial	2937211.2	92.7	%	1.01				1.09%
Ag 328.068†	227081.7	2.532	mg/L	0.0510	2.532	mg/L	0.0510	2.01%
QC value within limits for Ag 328.068 Recovery = 101.27%								
Al 396.153†	9411.1	10.09	mg/L	0.045	10.09	mg/L	0.045	0.45%
QC value within limits for Al 396.153 Recovery = 100.91%								
As 188.979†	16179.6	4.929	mg/L	0.1296	4.929	mg/L	0.1296	2.63%
QC value within limits for As 188.979 Recovery = 98.59%								
B 208.889†	80442.7	4.625	mg/L	0.1240	4.625	mg/L	0.1240	2.68%
QC value within limits for B 208.889 Recovery = 92.50%								
Ba 233.527†	784331.3	5.126	mg/L	0.0089	5.126	mg/L	0.0089	0.17%
QC value within limits for Ba 233.527 Recovery = 102.51%								
Be 313.107†	504620.7	5.154	mg/L	0.0327	5.154	mg/L	0.0327	0.63%
QC value within limits for Be 313.107 Recovery = 103.08%								
Ca 317.933†	28699.1	10.18	mg/L	0.063	10.18	mg/L	0.063	0.62%
QC value within limits for Ca 317.933 Recovery = 101.79%								
Cd 228.802†	547811.6	4.879	mg/L	0.0090	4.879	mg/L	0.0090	0.18%
QC value within limits for Cd 228.802 Recovery = 97.58%								
Co 228.616†	524290.4	5.068	mg/L	0.0083	5.068	mg/L	0.0083	0.16%
QC value within limits for Co 228.616 Recovery = 101.35%								
Cr 267.716†	594134.3	5.109	mg/L	0.0067	5.109	mg/L	0.0067	0.13%
QC value within limits for Cr 267.716 Recovery = 102.18%								
Cu 327.393†	665977.7	5.153	mg/L	0.0096	5.153	mg/L	0.0096	0.19%
QC value within limits for Cu 327.393 Recovery = 103.05%								
Fe 238.204†	11770.5	5.062	mg/L	0.0306	5.062	mg/L	0.0306	0.60%
QC value within limits for Fe 238.204 Recovery = 101.25%								
K 766.490†	15789.6	10.30	mg/L	0.035	10.30	mg/L	0.035	0.34%
QC value within limits for K 766.490 Recovery = 102.98%								
Mg 285.213†	40843.7	10.41	mg/L	0.054	10.41	mg/L	0.054	0.52%
QC value within limits for Mg 285.213 Recovery = 104.11%								
Mn 257.610†	69124.0	5.183	mg/L	0.0267	5.183	mg/L	0.0267	0.52%
QC value within limits for Mn 257.610 Recovery = 103.67%								
Mo 202.031†	108485.1	5.023	mg/L	0.0101	5.023	mg/L	0.0101	0.20%
QC value within limits for Mo 202.031 Recovery = 100.46%								
Na 589.592†	35851.4	10.31	mg/L	0.034	10.31	mg/L	0.034	0.33%
QC value within limits for Na 589.592 Recovery = 103.11%								
Ni 231.604†	216796.6	5.062	mg/L	0.0051	5.062	mg/L	0.0051	0.10%
QC value within limits for Ni 231.604 Recovery = 101.24%								
Pb 220.353†	77702.5	5.050	mg/L	0.0075	5.050	mg/L	0.0075	0.15%
QC value within limits for Pb 220.353 Recovery = 101.01%								
Sb 206.836†	25116.0	4.946	mg/L	0.1370	4.946	mg/L	0.1370	2.77%
QC value within limits for Sb 206.836 Recovery = 98.92%								
Se 196.026†	5110.1	4.870	mg/L	0.1525	4.870	mg/L	0.1525	3.13%
QC value within limits for Se 196.026 Recovery = 97.40%								
Sn 189.927†	45774.6	4.996	mg/L	0.1243	4.996	mg/L	0.1243	2.49%
QC value within limits for Sn 189.927 Recovery = 99.93%								
Ti 337.279†	30030.1	5.149	mg/L	0.0198	5.149	mg/L	0.0198	0.38%
QC value within limits for Ti 337.279 Recovery = 102.98%								
Tl 351.924†	17935.9	2.427	mg/L	0.0157	2.427	mg/L	0.0157	0.65%
QC value within limits for Tl 351.924 Recovery = 97.08%								
V 290.880†	974315.3	5.102	mg/L	0.0087	5.102	mg/L	0.0087	0.17%
QC value within limits for V 290.880 Recovery = 102.04%								
Zn 206.200†	595701.5	5.032	mg/L	0.0129	5.032	mg/L	0.0129	0.26%
QC value within limits for Zn 206.200 Recovery = 100.65%								
Zr 343.823†	1469045.4	5.087	mg/L	0.0112	5.087	mg/L	0.0112	0.22%

All analyte(s) passed QC.

User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 3:51:02 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 3:51:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 3:53:23 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 37 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 3:53:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	52160.6	94.4	%	0.33				0.35%
Y axial	3152770.9	99.5	%	0.65				0.65%
Ag 328.068†	-17.4	-0.0002	mg/L	0.00050	-0.0002	mg/L	0.00050	252.90%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	0.1	0.0001	mg/L	0.00242	0.0001	mg/L	0.00242	>999.9%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	7.9	0.0024	mg/L	0.00196	0.0024	mg/L	0.00196	81.17%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	194.8	0.0119	mg/L	0.00112	0.0119	mg/L	0.00112	9.43%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	23.1	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	70.35%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	0.8	0.0000	mg/L	0.00018	0.0000	mg/L	0.00018	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	8.5	0.0030	mg/L	0.00245	0.0030	mg/L	0.00245	81.75%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	46.1	0.0003	mg/L	0.00018	0.0003	mg/L	0.00018	54.46%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	30.3	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	28.07%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.9	0.0000	mg/L	0.00049	0.0000	mg/L	0.00049	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-34.7	-0.0003	mg/L	0.00025	-0.0003	mg/L	0.00025	92.81%
QC value within limits for Cu 327.393 Recovery = Not calculated								

Fe 238.204†	5.6	0.0024 mg/L	0.00194	0.0024 mg/L	0.00194	80.54%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	-16.1	-0.0105 mg/L	0.00423	-0.0105 mg/L	0.00423	40.28%
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	8.1	0.0021 mg/L	0.00154	0.0021 mg/L	0.00154	74.27%
QC value within limits for Mg 285.213 Recovery = Not calculated							
Mn 257.610†	5.7	0.0004 mg/L	0.00018	0.0004 mg/L	0.00018	43.32%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	-3.2	-0.0001 mg/L	0.00036	-0.0001 mg/L	0.00036	243.69%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	3.9	0.0011 mg/L	0.01860	0.0011 mg/L	0.01860	>999.9%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-24.9	-0.0006 mg/L	0.00039	-0.0006 mg/L	0.00039	66.99%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-7.9	-0.0005 mg/L	0.00127	-0.0005 mg/L	0.00127	248.26%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-0.8	-0.0002 mg/L	0.00181	-0.0002 mg/L	0.00181	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	0.5	0.0005 mg/L	0.00312	0.0005 mg/L	0.00312	602.56%
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	7.6	0.0008 mg/L	0.00093	0.0008 mg/L	0.00093	111.45%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	-1.8	-0.0003 mg/L	0.00213	-0.0003 mg/L	0.00213	680.89%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 351.924†	-44.5	-0.0061 mg/L	0.01217	-0.0061 mg/L	0.01217	200.56%
QC value within limits for Tl 351.924 Recovery = Not calculated							
V 290.880†	-23.3	-0.0001 mg/L	0.00047	-0.0001 mg/L	0.00047	382.53%
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	54.4	0.0005 mg/L	0.00007	0.0005 mg/L	0.00007	15.18%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Zr 343.823†	-58.8	-0.0002 mg/L	0.00032	-0.0002 mg/L	0.00032	156.40%

All analyte(s) passed QC.

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Sequence No.: 38 **Autosampler Location: 58**
Sample ID: 22D0541-07 **Date Collected: 4/14/2022 3:59:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-07

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	50713.1	91.8	%	0.68				0.75%
Y axial	3036752.6	95.9	%	0.99				1.03%
Ag 328.068†	67.4	0.0008	mg/L	0.00022	0.0008	mg/L	0.00022	28.74%
Al 396.153†	129.5	0.1429	mg/L	0.00364	0.1429	mg/L	0.00364	2.55%
As 188.979†	119.6	0.0381	mg/L	0.00114	0.0381	mg/L	0.00114	2.98%
B 208.889†	630.0	0.0383	mg/L	0.00053	0.0383	mg/L	0.00053	1.37%
Ba 233.527†	23513.4	0.1536	mg/L	0.00157	0.1536	mg/L	0.00157	1.02%
Be 313.107†	2.9	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	225.94%
Ca 317.933†	96836.6	34.35	mg/L	0.033	34.35	mg/L	0.033	0.10%
Cd 228.802†	157.0	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	44.89%
Co 228.616†	22.8	0.0002	mg/L	0.00019	0.0002	mg/L	0.00019	113.22%
Cr 267.716†	59.5	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	47.41%
Cu 327.393†	47.6	0.0004	mg/L	0.00061	0.0004	mg/L	0.00061	152.40%
Fe 238.204†	969.0	0.4159	mg/L	0.00218	0.4159	mg/L	0.00218	0.52%
K 766.490†	1441.8	0.9404	mg/L	0.01510	0.9404	mg/L	0.01510	1.61%
Mg 285.213†	28633.2	7.302	mg/L	0.0567	7.302	mg/L	0.0567	0.78%
Mn 257.610†	1375.0	0.1031	mg/L	0.00145	0.1031	mg/L	0.00145	1.41%
Mo 202.031†	65.0	0.0031	mg/L	0.00042	0.0031	mg/L	0.00042	13.47%
Na 589.592†	45875.2	13.19	mg/L	0.026	13.19	mg/L	0.026	0.20%
Ni 231.604†	-37.4	-0.0009	mg/L	0.00026	-0.0009	mg/L	0.00026	30.27%
Pb 220.353†	-49.9	-0.0021	mg/L	0.00057	-0.0021	mg/L	0.00057	26.74%
Sb 206.836†	-23.5	-0.0046	mg/L	0.00397	-0.0046	mg/L	0.00397	85.93%
Se 196.026†	-0.1	-0.0001	mg/L	0.00452	-0.0001	mg/L	0.00452	>999.9%
Sn 189.927†	-79.6	-0.0087	mg/L	0.00024	-0.0087	mg/L	0.00024	2.76%
Ti 337.279†	7.9	0.0014	mg/L	0.00112	0.0014	mg/L	0.00112	82.86%

Tl 351.924†	-28.7	-0.0039	mg/L	0.00364	-0.0039	mg/L	0.00364 92.84%
V 290.880†	222.6	0.0011	mg/L	0.00036	0.0011	mg/L	0.00036 31.77%
Zn 206.200†	413.9	0.0035	mg/L	0.00008	0.0035	mg/L	0.00008 2.44%
Zr 343.823†	89.9	0.0003	mg/L	0.00035	0.0003	mg/L	0.00035 116.76%

Sequence No.: 39 **Autosampler Location: 59**
Sample ID: 22D0541-08 **Date Collected: 4/14/2022 4:04:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-08

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	52973.4	95.9	%	1.05				1.09%
Y axial	3115918.0	98.4	%	0.62				0.63%
Ag 328.068†	-125.1	-0.0010	mg/L	0.00055	-0.0010	mg/L	0.00055	53.55%
Al 396.153†	2913.6	3.218	mg/L	0.0394	3.218	mg/L	0.0394	1.23%
As 188.979†	17.5	0.0097	mg/L	0.00358	0.0097	mg/L	0.00358	36.89%
B 208.889†	589.2	0.0360	mg/L	0.00109	0.0360	mg/L	0.00109	3.03%
Ba 233.527†	40439.1	0.2641	mg/L	0.00023	0.2641	mg/L	0.00023	0.09%
Be 313.107†	8.2	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	235.29%
Ca 317.933†	179708.8	63.74	mg/L	0.235	63.74	mg/L	0.235	0.37%
Cd 228.802†	35.4	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	30.81%
Co 228.616†	757.2	0.0072	mg/L	0.00010	0.0072	mg/L	0.00010	1.42%
Cr 267.716†	465.8	0.0031	mg/L	0.00008	0.0031	mg/L	0.00008	2.44%
Cu 327.393†	1818.1	0.0147	mg/L	0.00043	0.0147	mg/L	0.00043	2.90%
Fe 238.204†	27523.9	11.81	mg/L	0.165	11.81	mg/L	0.165	1.40%
K 766.490†	2253.8	1.470	mg/L	0.0265	1.470	mg/L	0.0265	1.80%
Mg 285.213†	54059.0	13.79	mg/L	0.009	13.79	mg/L	0.009	0.07%
Mn 257.610†	9653.7	0.7236	mg/L	0.01093	0.7236	mg/L	0.01093	1.51%
Mo 202.031†	-24.1	0.0027	mg/L	0.00067	0.0027	mg/L	0.00067	24.57%
Na 589.592†	38810.2	11.16	mg/L	0.010	11.16	mg/L	0.010	0.09%
Ni 231.604†	233.6	0.0057	mg/L	0.00046	0.0057	mg/L	0.00046	8.01%
Pb 220.353†	81.0	0.0085	mg/L	0.00087	0.0085	mg/L	0.00087	10.27%
Sb 206.836†	-24.4	-0.0050	mg/L	0.00504	-0.0050	mg/L	0.00504	101.81%
Se 196.026†	-4.6	-0.0036	mg/L	0.00463	-0.0036	mg/L	0.00463	129.49%
Sn 189.927†	-95.9	-0.0105	mg/L	0.00046	-0.0105	mg/L	0.00046	4.39%
Ti 337.279†	94.8	0.0161	mg/L	0.00177	0.0161	mg/L	0.00177	11.00%
Tl 351.924†	1.6	0.0001	mg/L	0.00551	0.0001	mg/L	0.00551	>999.9%
V 290.880†	1236.7	0.0056	mg/L	0.00040	0.0056	mg/L	0.00040	7.14%
Zn 206.200†	3446.4	0.0285	mg/L	0.00033	0.0285	mg/L	0.00033	1.14%
Zr 343.823†	528.3	0.0014	mg/L	0.00026	0.0014	mg/L	0.00026	18.27%

Sequence No.: 40 **Autosampler Location: 60**
Sample ID: 22D0541-09 **Date Collected: 4/14/2022 4:10:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-09

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	52382.3	94.8	%	1.15				1.21%
Y axial	3064226.9	96.7	%	1.13				1.17%
Ag 328.068†	-61.1	-0.0006	mg/L	0.00084	-0.0006	mg/L	0.00084	139.23%
Al 396.153†	25.9	0.0286	mg/L	0.00545	0.0286	mg/L	0.00545	19.09%
As 188.979†	-2.5	0.0031	mg/L	0.00232	0.0031	mg/L	0.00232	74.14%
B 208.889†	1200.9	0.0732	mg/L	0.00121	0.0732	mg/L	0.00121	1.66%
Ba 233.527†	125842.8	0.8219	mg/L	0.00307	0.8219	mg/L	0.00307	0.37%
Be 313.107†	-35.9	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	31.20%
Ca 317.933†	234876.2	83.31	mg/L	0.256	83.31	mg/L	0.256	0.31%
Cd 228.802†	20.1	0.0002	mg/L	0.00031	0.0002	mg/L	0.00031	143.66%
Co 228.616†	25.9	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	337.43%

Cr 267.716†	35.3	-0.0008	mg/L	0.00024	-0.0008	mg/L	0.00024 29.18%
Cu 327.393†	-146.1	-0.0009	mg/L	0.00138	-0.0009	mg/L	0.00138 150.53%
Fe 238.204†	7406.1	3.179	mg/L	0.0367	3.179	mg/L	0.0367 1.16%
K 766.490†	4128.9	2.693	mg/L	0.0231	2.693	mg/L	0.0231 0.86%
Mg 285.213†	93632.3	23.88	mg/L	0.093	23.88	mg/L	0.093 0.39%
Mn 257.610†	4330.0	0.3246	mg/L	0.00414	0.3246	mg/L	0.00414 1.28%
Mo 202.031†	32.8	0.0026	mg/L	0.00034	0.0026	mg/L	0.00034 13.32%
Na 589.592†	52235.9	15.02	mg/L	0.025	15.02	mg/L	0.025 0.17%
Ni 231.604†	-118.8	-0.0027	mg/L	0.00051	-0.0027	mg/L	0.00051 18.82%
Pb 220.353†	-112.8	-0.0048	mg/L	0.00159	-0.0048	mg/L	0.00159 32.90%
Sb 206.836†	-27.0	-0.0053	mg/L	0.00194	-0.0053	mg/L	0.00194 36.29%
Se 196.026†	-8.7	-0.0082	mg/L	0.00307	-0.0082	mg/L	0.00307 37.47%
Sn 189.927†	-88.8	-0.0097	mg/L	0.00043	-0.0097	mg/L	0.00043 4.41%
Ti 337.279†	6.3	0.0011	mg/L	0.00184	0.0011	mg/L	0.00184 172.26%
Tl 351.924†	-40.6	-0.0055	mg/L	0.00255	-0.0055	mg/L	0.00255 45.91%
V 290.880†	175.0	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013 18.72%
Zn 206.200†	406.0	0.0033	mg/L	0.00026	0.0033	mg/L	0.00026 8.04%
Zr 343.823†	53.1	0.0001	mg/L	0.00034	0.0001	mg/L	0.00034 420.19%

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Sequence No.: 41
Sample ID: 22D0541-10
Analyst:
Initial Sample Wt:
Dilution:
Wash Time: 100

Autosampler Location: 61
Date Collected: 4/14/2022 4:16:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
Auto Dilution Factor: 1

Mean Data: 22D0541-10

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	51741.4	93.7	%	0.87				0.93%
Y axial	2982507.5	94.2	%	0.79				0.84%
Ag 328.068†	33.5	0.0004	mg/L	0.00064	0.0004	mg/L	0.00064	168.75%
Al 396.153†	83.8	0.0924	mg/L	0.00452	0.0924	mg/L	0.00452	4.89%
As 188.979†	-22.8	-0.0040	mg/L	0.00312	-0.0040	mg/L	0.00312	77.58%
B 208.889†	163.3	0.0098	mg/L	0.00010	0.0098	mg/L	0.00010	0.99%
Ba 233.527†	12857.4	0.0840	mg/L	0.00089	0.0840	mg/L	0.00089	1.07%
Be 313.107†	-4.2	-0.0000	mg/L	0.00010	-0.0000	mg/L	0.00010	217.32%
Ca 317.933†	194239.2	68.89	mg/L	0.165	68.89	mg/L	0.165	0.24%
Cd 228.802†	-9.5	0.0002	mg/L	0.00026	0.0002	mg/L	0.00026	165.47%
Co 228.616†	1.3	-0.0000	mg/L	0.00010	-0.0000	mg/L	0.00010	510.05%
Cr 267.716†	313.0	0.0021	mg/L	0.00025	0.0021	mg/L	0.00025	11.76%
Cu 327.393†	21.6	0.0002	mg/L	0.00073	0.0002	mg/L	0.00073	393.59%
Fe 238.204†	522.7	0.2244	mg/L	0.00235	0.2244	mg/L	0.00235	1.05%
K 766.490†	1502.0	0.9796	mg/L	0.01627	0.9796	mg/L	0.01627	1.66%
Mg 285.213†	57734.1	14.72	mg/L	0.027	14.72	mg/L	0.027	0.18%
Mn 257.610†	600.2	0.0450	mg/L	0.00073	0.0450	mg/L	0.00073	1.63%
Mo 202.031†	53.7	0.0026	mg/L	0.00042	0.0026	mg/L	0.00042	16.29%
Na 589.592†	11019.8	3.169	mg/L	0.0179	3.169	mg/L	0.0179	0.56%
Ni 231.604†	-17.5	-0.0004	mg/L	0.00041	-0.0004	mg/L	0.00041	103.39%
Pb 220.353†	-72.1	-0.0026	mg/L	0.00110	-0.0026	mg/L	0.00110	43.23%
Sb 206.836†	-33.3	-0.0066	mg/L	0.00282	-0.0066	mg/L	0.00282	42.42%
Se 196.026†	-6.3	-0.0061	mg/L	0.00494	-0.0061	mg/L	0.00494	81.48%
Sn 189.927†	-105.8	-0.0116	mg/L	0.00135	-0.0116	mg/L	0.00135	11.66%
Ti 337.279†	10.8	0.0018	mg/L	0.00232	0.0018	mg/L	0.00232	126.86%
Tl 351.924†	-47.7	-0.0065	mg/L	0.01603	-0.0065	mg/L	0.01603	246.12%
V 290.880†	241.9	0.0012	mg/L	0.00041	0.0012	mg/L	0.00041	33.05%
Zn 206.200†	663.2	0.0056	mg/L	0.00016	0.0056	mg/L	0.00016	2.91%
Zr 343.823†	-6.4	-0.0000	mg/L	0.00031	-0.0000	mg/L	0.00031	>999.9%

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Sequence No.: 42
Sample ID: 22D0541-11
Analyst:
Initial Sample Wt:
Dilution:
Wash Time: 100

Autosampler Location: 62
Date Collected: 4/14/2022 4:22:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
Auto Dilution Factor: 1

Mean Data: 22D0541-11

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	51056.0	92.4	%	1.02				1.11%
Y axial	2989591.1	94.4	%	0.20				0.21%
Ag 328.068†	-5.5	-0.0001	mg/L	0.00127	-0.0001	mg/L	0.00127	>999.9%
Al 396.153†	20.0	0.0220	mg/L	0.00297	0.0220	mg/L	0.00297	13.52%
As 188.979†	-28.6	-0.0054	mg/L	0.00248	-0.0054	mg/L	0.00248	46.26%
B 208.889†	224.2	0.0135	mg/L	0.00112	0.0135	mg/L	0.00112	8.31%
Ba 233.527†	16314.2	0.1066	mg/L	0.00038	0.1066	mg/L	0.00038	0.36%
Be 313.107†	-5.8	-0.0001	mg/L	0.00018	-0.0001	mg/L	0.00018	289.40%
Ca 317.933†	223761.5	79.36	mg/L	0.157	79.36	mg/L	0.157	0.20%
Cd 228.802†	-19.2	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	54.64%
Co 228.616†	-11.9	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	13.08%
Cr 267.716†	117.5	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	10.33%
Cu 327.393†	68.8	0.0005	mg/L	0.00031	0.0005	mg/L	0.00031	58.25%
Fe 238.204†	192.4	0.0826	mg/L	0.00237	0.0826	mg/L	0.00237	2.87%
K 766.490†	1235.1	0.8055	mg/L	0.05184	0.8055	mg/L	0.05184	6.44%
Mg 285.213†	57434.7	14.65	mg/L	0.006	14.65	mg/L	0.006	0.04%
Mn 257.610†	783.3	0.0587	mg/L	0.00064	0.0587	mg/L	0.00064	1.09%
Mo 202.031†	59.7	0.0028	mg/L	0.00019	0.0028	mg/L	0.00019	6.93%
Na 589.592†	8604.3	2.475	mg/L	0.0252	2.475	mg/L	0.0252	1.02%
Ni 231.604†	-50.7	-0.0012	mg/L	0.00035	-0.0012	mg/L	0.00035	29.66%
Pb 220.353†	-104.9	-0.0044	mg/L	0.00193	-0.0044	mg/L	0.00193	43.84%
Sb 206.836†	-33.2	-0.0066	mg/L	0.00171	-0.0066	mg/L	0.00171	26.02%
Se 196.026†	-13.1	-0.0125	mg/L	0.00103	-0.0125	mg/L	0.00103	8.20%
Sn 189.927†	-117.9	-0.0129	mg/L	0.00032	-0.0129	mg/L	0.00032	2.46%
Ti 337.279†	6.7	0.0011	mg/L	0.00092	0.0011	mg/L	0.00092	80.00%
Tl 351.924†	17.3	0.0024	mg/L	0.00720	0.0024	mg/L	0.00720	306.15%
V 290.880†	188.7	0.0010	mg/L	0.00052	0.0010	mg/L	0.00052	53.70%
Zn 206.200†	567.7	0.0048	mg/L	0.00009	0.0048	mg/L	0.00009	1.92%
Zr 343.823†	1.7	0.0000	mg/L	0.00045	0.0000	mg/L	0.00045	>999.9%

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Sequence No.: 43 **Autosampler Location: 63**
Sample ID: 22D0541-12 **Date Collected: 4/14/2022 4:28:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-12

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	52579.9	95.2	%	0.58				0.61%
Y axial	3060342.3	96.6	%	0.31				0.32%
Ag 328.068†	-29.1	-0.0003	mg/L	0.00098	-0.0003	mg/L	0.00098	281.98%
Al 396.153†	468.7	0.5175	mg/L	0.00402	0.5175	mg/L	0.00402	0.78%
As 188.979†	-30.7	-0.0047	mg/L	0.00322	-0.0047	mg/L	0.00322	68.78%
B 208.889†	230.1	0.0139	mg/L	0.00078	0.0139	mg/L	0.00078	5.61%
Ba 233.527†	105612.3	0.6898	mg/L	0.00405	0.6898	mg/L	0.00405	0.59%
Be 313.107†	-25.3	-0.0003	mg/L	0.00009	-0.0003	mg/L	0.00009	33.42%
Ca 317.933†	307679.0	109.1	mg/L	0.44	109.1	mg/L	0.44	0.40%
Cd 228.802†	-13.7	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	118.76%
Co 228.616†	66.3	0.0004	mg/L	0.00005	0.0004	mg/L	0.00005	12.99%
Cr 267.716†	504.5	0.0032	mg/L	0.00013	0.0032	mg/L	0.00013	4.12%
Cu 327.393†	1465.6	0.0113	mg/L	0.00031	0.0113	mg/L	0.00031	2.76%
Fe 238.204†	1994.4	0.8561	mg/L	0.00420	0.8561	mg/L	0.00420	0.49%
K 766.490†	3217.0	2.098	mg/L	0.0408	2.098	mg/L	0.0408	1.94%
Mg 285.213†	93140.5	23.75	mg/L	0.117	23.75	mg/L	0.117	0.49%
Mn 257.610†	4330.3	0.3246	mg/L	0.00241	0.3246	mg/L	0.00241	0.74%
Mo 202.031†	70.7	0.0035	mg/L	0.00023	0.0035	mg/L	0.00023	6.38%
Na 589.592†	17968.9	5.168	mg/L	0.0270	5.168	mg/L	0.0270	0.52%
Ni 231.604†	70.1	0.0017	mg/L	0.00016	0.0017	mg/L	0.00016	9.38%
Pb 220.353†	-111.1	-0.0037	mg/L	0.00130	-0.0037	mg/L	0.00130	34.94%
Sb 206.836†	-28.9	-0.0058	mg/L	0.00120	-0.0058	mg/L	0.00120	20.71%
Se 196.026†	-16.8	-0.0163	mg/L	0.00538	-0.0163	mg/L	0.00538	33.08%
Sn 189.927†	-103.7	-0.0113	mg/L	0.00077	-0.0113	mg/L	0.00077	6.79%
Ti 337.279†	26.9	0.0046	mg/L	0.00116	0.0046	mg/L	0.00116	25.48%

Tl 351.924†	97.6	0.0133 mg/L	0.00621	0.0133 mg/L	0.00621	46.72%
V 290.880†	491.5	0.0025 mg/L	0.00018	0.0025 mg/L	0.00018	7.14%
Zn 206.200†	1233.4	0.0104 mg/L	0.00014	0.0104 mg/L	0.00014	1.38%
Zr 343.823†	100.7	0.0003 mg/L	0.00024	0.0003 mg/L	0.00024	74.45%

User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 4:32:24 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 4:32:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 4:32:43 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 44 **Autosampler Location: 64**
Sample ID: 22D0541-13 **Date Collected: 4/14/2022 4:32:43 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: 22D0541-13

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	50887.3	92.1	%	0.69				0.75%
Y axial	2969013.9	93.7	%	0.25				0.26%
Ag 328.068†	-87.6	-0.0010	mg/L	0.00135	-0.0010	mg/L	0.00135	136.11%
Al 396.153†	390.4	0.4310	mg/L	0.01161	0.4310	mg/L	0.01161	2.69%
As 188.979†	-29.7	-0.0008	mg/L	0.00272	-0.0008	mg/L	0.00272	320.95%
B 208.889†	146.0	0.0086	mg/L	0.00122	0.0086	mg/L	0.00122	14.05%
Ba 233.527†	54777.2	0.3578	mg/L	0.00090	0.3578	mg/L	0.00090	0.25%
Be 313.107†	25.4	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	24.27%
Ca 317.933†	542572.3	192.4	mg/L	0.55	192.4	mg/L	0.55	0.29%
Cd 228.802†	-25.2	0.0001	mg/L	0.00018	0.0001	mg/L	0.00018	195.10%
Co 228.616†	20.9	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	117.31%
Cr 267.716†	795.7	0.0058	mg/L	0.00015	0.0058	mg/L	0.00015	2.53%
Cu 327.393†	176.1	0.0014	mg/L	0.00074	0.0014	mg/L	0.00074	53.58%
Fe 238.204†	697.8	0.2995	mg/L	0.00395	0.2995	mg/L	0.00395	1.32%
K 766.490†	5010.0	3.268	mg/L	0.0171	3.268	mg/L	0.0171	0.52%
Mg 285.213†	99543.2	25.38	mg/L	0.126	25.38	mg/L	0.126	0.50%
Mn 257.610†	745.4	0.0559	mg/L	0.00054	0.0559	mg/L	0.00054	0.97%
Mo 202.031†	99.3	0.0047	mg/L	0.00087	0.0047	mg/L	0.00087	18.47%
Na 589.592†	16523.1	4.752	mg/L	0.0132	4.752	mg/L	0.0132	0.28%
Ni 231.604†	72.7	0.0017	mg/L	0.00014	0.0017	mg/L	0.00014	8.35%
Pb 220.353†	-137.4	-0.0029	mg/L	0.00106	-0.0029	mg/L	0.00106	36.48%
Sb 206.836†	-49.9	-0.0100	mg/L	0.00156	-0.0100	mg/L	0.00156	15.58%
Se 196.026†	-19.2	-0.0183	mg/L	0.00951	-0.0183	mg/L	0.00951	52.01%
Sn 189.927†	-145.7	-0.0159	mg/L	0.00061	-0.0159	mg/L	0.00061	3.86%

Ti 337.279†	27.5	0.0047	mg/L	0.00189	0.0047	mg/L	0.00189 40.45%
Tl 351.924†	-36.6	-0.0050	mg/L	0.01187	-0.0050	mg/L	0.01187 236.04%
V 290.880†	842.9	0.0044	mg/L	0.00090	0.0044	mg/L	0.00090 20.60%
Zn 206.200†	3255.7	0.0274	mg/L	0.00168	0.0274	mg/L	0.00168 6.11%
Zr 343.823†	20.1	0.0001	mg/L	0.00046	0.0001	mg/L	0.00046 771.99%

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Sequence No.: 45 **Autosampler Location: 65**
Sample ID: 22D0541-14 **Date Collected: 4/14/2022 4:38:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-14

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	52156.3	94.4	%	0.80				0.85%
Y axial	3095503.8	97.7	%	1.01				1.04%
Ag 328.068†	-12.8	-0.0001	mg/L	0.00041	-0.0001	mg/L	0.00041	282.03%
Al 396.153†	161.4	0.1782	mg/L	0.00422	0.1782	mg/L	0.00422	2.37%
As 188.979†	-23.2	-0.0041	mg/L	0.00020	-0.0041	mg/L	0.00020	4.89%
B 208.889†	195.8	0.0119	mg/L	0.00098	0.0119	mg/L	0.00098	8.21%
Ba 233.527†	10235.8	0.0669	mg/L	0.00084	0.0669	mg/L	0.00084	1.26%
Be 313.107†	-16.3	-0.0002	mg/L	0.00016	-0.0002	mg/L	0.00016	94.81%
Ca 317.933†	191576.4	67.95	mg/L	0.123	67.95	mg/L	0.123	0.18%
Cd 228.802†	-1.8	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	62.69%
Co 228.616†	42.8	0.0004	mg/L	0.00025	0.0004	mg/L	0.00025	65.53%
Cr 267.716†	37.4	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	10.74%
Cu 327.393†	-24.5	-0.0002	mg/L	0.00104	-0.0002	mg/L	0.00104	652.52%
Fe 238.204†	648.3	0.2783	mg/L	0.00155	0.2783	mg/L	0.00155	0.56%
K 766.490†	1290.5	0.8417	mg/L	0.00851	0.8417	mg/L	0.00851	1.01%
Mg 285.213†	43906.7	11.20	mg/L	0.056	11.20	mg/L	0.056	0.50%
Mn 257.610†	765.8	0.0574	mg/L	0.00064	0.0574	mg/L	0.00064	1.11%
Mo 202.031†	21.8	0.0011	mg/L	0.00062	0.0011	mg/L	0.00062	56.41%
Na 589.592†	11064.5	3.182	mg/L	0.0168	3.182	mg/L	0.0168	0.53%
Ni 231.604†	-104.3	-0.0024	mg/L	0.00021	-0.0024	mg/L	0.00021	8.48%
Pb 220.353†	-88.9	-0.0036	mg/L	0.00062	-0.0036	mg/L	0.00062	17.08%
Sb 206.836†	-30.5	-0.0060	mg/L	0.00187	-0.0060	mg/L	0.00187	30.97%
Se 196.026†	-13.0	-0.0125	mg/L	0.00507	-0.0125	mg/L	0.00507	40.69%
Sn 189.927†	-106.9	-0.0117	mg/L	0.00068	-0.0117	mg/L	0.00068	5.85%
Ti 337.279†	25.6	0.0044	mg/L	0.00203	0.0044	mg/L	0.00203	46.71%
Tl 351.924†	-22.6	-0.0031	mg/L	0.01685	-0.0031	mg/L	0.01685	541.98%
V 290.880†	162.5	0.0008	mg/L	0.00047	0.0008	mg/L	0.00047	57.14%
Zn 206.200†	395.5	0.0033	mg/L	0.00007	0.0033	mg/L	0.00007	2.03%
Zr 343.823†	107.8	0.0004	mg/L	0.00024	0.0004	mg/L	0.00024	66.81%

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Sequence No.: 46 **Autosampler Location: 66**
Sample ID: 22D0541-16 **Date Collected: 4/14/2022 4:44:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-16

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	51634.1	93.5	%	1.58				1.69%
Y axial	3039238.7	96.0	%	0.51				0.54%
Ag 328.068†	127.3	0.0014	mg/L	0.00192	0.0014	mg/L	0.00192	133.11%
Al 396.153†	9.0	0.0100	mg/L	0.01014	0.0100	mg/L	0.01014	101.58%
As 188.979†	2.3	0.0007	mg/L	0.00115	0.0007	mg/L	0.00115	159.97%
B 208.889†	21.3	0.0013	mg/L	0.00073	0.0013	mg/L	0.00073	55.23%
Ba 233.527†	12.0	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	39.97%
Be 313.107†	-7.4	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	125.92%
Ca 317.933†	97.9	0.0347	mg/L	0.00213	0.0347	mg/L	0.00213	6.12%
Cd 228.802†	46.6	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	10.02%

Co 228.616†	-3.7	-0.0000 mg/L	0.00016	-0.0000 mg/L	0.00016	439.79%
Cr 267.716†	94.3	0.0008 mg/L	0.00004	0.0008 mg/L	0.00004	5.44%
Cu 327.393†	40.0	0.0003 mg/L	0.00066	0.0003 mg/L	0.00066	213.95%
Fe 238.204†	12.0	0.0052 mg/L	0.00298	0.0052 mg/L	0.00298	57.77%
K 766.490†	40.6	0.0265 mg/L	0.02813	0.0265 mg/L	0.02813	106.14%
Mg 285.213†	22.4	0.0057 mg/L	0.00101	0.0057 mg/L	0.00101	17.61%
Mn 257.610†	-1.5	-0.0001 mg/L	0.00027	-0.0001 mg/L	0.00027	243.31%
Mo 202.031†	-8.1	-0.0004 mg/L	0.00036	-0.0004 mg/L	0.00036	96.17%
Na 589.592†	168.4	0.0484 mg/L	0.00740	0.0484 mg/L	0.00740	15.29%
Ni 231.604†	-4.8	-0.0001 mg/L	0.00040	-0.0001 mg/L	0.00040	364.67%
Pb 220.353†	7.1	0.0005 mg/L	0.00129	0.0005 mg/L	0.00129	276.79%
Sb 206.836†	-3.1	-0.0006 mg/L	0.00260	-0.0006 mg/L	0.00260	407.67%
Se 196.026†	-1.5	-0.0014 mg/L	0.00186	-0.0014 mg/L	0.00186	129.80%
Sn 189.927†	4.2	0.0005 mg/L	0.00054	0.0005 mg/L	0.00054	118.95%
Ti 337.279†	0.4	0.0001 mg/L	0.00274	0.0001 mg/L	0.00274	>999.9%
Tl 351.924†	-56.0	-0.0076 mg/L	0.01287	-0.0076 mg/L	0.01287	168.63%
V 290.880†	-3.5	-0.0000 mg/L	0.00036	-0.0000 mg/L	0.00036	>999.9%
Zn 206.200†	755.8	0.0064 mg/L	0.00016	0.0064 mg/L	0.00016	2.49%
Zr 343.823†	-90.5	-0.0003 mg/L	0.00024	-0.0003 mg/L	0.00024	75.52%

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Sequence No.: 47 **Autosampler Location: 67**
Sample ID: 22D0541-17 **Date Collected: 4/14/2022 4:50:03 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: 22D0541-17

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	51213.9	92.7	%	0.97				1.05%
Y axial	3056405.1	96.5	%	0.87				0.90%
Ag 328.068†	33.1	0.0004	mg/L	0.00056	0.0004	mg/L	0.00056	149.22%
Al 396.153†	2.8	0.0031	mg/L	0.00936	0.0031	mg/L	0.00936	302.53%
As 188.979†	10.4	0.0032	mg/L	0.00221	0.0032	mg/L	0.00221	69.02%
B 208.889†	19.7	0.0012	mg/L	0.00041	0.0012	mg/L	0.00041	33.83%
Ba 233.527†	0.3	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	>999.9%
Be 313.107†	-16.9	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	31.08%
Ca 317.933†	40.7	0.0144	mg/L	0.00152	0.0144	mg/L	0.00152	10.56%
Cd 228.802†	22.3	0.0001	mg/L	0.00025	0.0001	mg/L	0.00025	271.16%
Co 228.616†	1.1	0.0000	mg/L	0.00031	0.0000	mg/L	0.00031	>999.9%
Cr 267.716†	24.0	0.0002	mg/L	0.00040	0.0002	mg/L	0.00040	192.36%
Cu 327.393†	-91.8	-0.0007	mg/L	0.00039	-0.0007	mg/L	0.00039	55.43%
Fe 238.204†	8.3	0.0036	mg/L	0.00304	0.0036	mg/L	0.00304	84.90%
K 766.490†	38.9	0.0254	mg/L	0.02377	0.0254	mg/L	0.02377	93.71%
Mg 285.213†	12.8	0.0033	mg/L	0.00138	0.0033	mg/L	0.00138	42.29%
Mn 257.610†	-7.0	-0.0005	mg/L	0.00035	-0.0005	mg/L	0.00035	66.94%
Mo 202.031†	0.8	0.0000	mg/L	0.00036	0.0000	mg/L	0.00036	932.22%
Na 589.592†	191.1	0.0550	mg/L	0.01987	0.0550	mg/L	0.01987	36.15%
Ni 231.604†	1.9	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	204.80%
Pb 220.353†	3.8	0.0002	mg/L	0.00113	0.0002	mg/L	0.00113	459.82%
Sb 206.836†	7.3	0.0014	mg/L	0.00077	0.0014	mg/L	0.00077	53.22%
Se 196.026†	0.6	0.0006	mg/L	0.00653	0.0006	mg/L	0.00653	>999.9%
Sn 189.927†	-1.2	-0.0001	mg/L	0.00052	-0.0001	mg/L	0.00052	395.50%
Ti 337.279†	11.4	0.0019	mg/L	0.00124	0.0019	mg/L	0.00124	64.16%
Tl 351.924†	1.9	0.0002	mg/L	0.01110	0.0002	mg/L	0.01110	>999.9%
V 290.880†	-44.2	-0.0002	mg/L	0.00026	-0.0002	mg/L	0.00026	114.42%
Zn 206.200†	374.2	0.0032	mg/L	0.00006	0.0032	mg/L	0.00006	1.79%
Zr 343.823†	83.7	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	60.32%

User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 5:02:35 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 5:02:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 5:03:17 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 48 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 5:03:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	49848.5	90.3	%	0.61				0.67%
Y axial	2943593.9	92.9	%	0.36				0.38%
Ag 328.068†	224816.7	2.506	mg/L	0.0225	2.506	mg/L	0.0225	0.90%
QC value within limits for Ag 328.068 Recovery = 100.23%								
Al 396.153†	9393.9	10.07	mg/L	0.040	10.07	mg/L	0.040	0.40%
QC value within limits for Al 396.153 Recovery = 100.68%								
As 188.979†	16332.2	4.975	mg/L	0.0561	4.975	mg/L	0.0561	1.13%
QC value within limits for As 188.979 Recovery = 99.51%								
B 208.889†	81696.0	4.697	mg/L	0.0570	4.697	mg/L	0.0570	1.21%
QC value within limits for B 208.889 Recovery = 93.94%								
Ba 233.527†	793379.3	5.185	mg/L	0.0165	5.185	mg/L	0.0165	0.32%
QC value within limits for Ba 233.527 Recovery = 103.70%								
Be 313.107†	502850.7	5.136	mg/L	0.0102	5.136	mg/L	0.0102	0.20%
QC value within limits for Be 313.107 Recovery = 102.72%								
Ca 317.933†	28852.9	10.23	mg/L	0.025	10.23	mg/L	0.025	0.24%
QC value within limits for Ca 317.933 Recovery = 102.34%								
Cd 228.802†	556415.7	4.957	mg/L	0.0167	4.957	mg/L	0.0167	0.34%
QC value within limits for Cd 228.802 Recovery = 99.13%								
Co 228.616†	530994.1	5.133	mg/L	0.0191	5.133	mg/L	0.0191	0.37%
QC value within limits for Co 228.616 Recovery = 102.65%								
Cr 267.716†	601577.3	5.173	mg/L	0.0151	5.173	mg/L	0.0151	0.29%
QC value within limits for Cr 267.716 Recovery = 103.46%								
Cu 327.393†	673002.4	5.207	mg/L	0.0171	5.207	mg/L	0.0171	0.33%
QC value within limits for Cu 327.393 Recovery = 104.14%								

Fe 238.204†	11947.3	5.138 mg/L	0.0235	5.138 mg/L	0.0235	0.46%
QC value within limits for Fe 238.204 Recovery = 102.77%						
K 766.490†	15797.2	10.30 mg/L	0.049	10.30 mg/L	0.049	0.48%
QC value within limits for K 766.490 Recovery = 103.03%						
Mg 285.213†	40716.1	10.38 mg/L	0.019	10.38 mg/L	0.019	0.18%
QC value within limits for Mg 285.213 Recovery = 103.79%						
Mn 257.610†	69064.7	5.179 mg/L	0.0088	5.179 mg/L	0.0088	0.17%
QC value within limits for Mn 257.610 Recovery = 103.58%						
Mo 202.031†	110147.4	5.100 mg/L	0.0230	5.100 mg/L	0.0230	0.45%
QC value within limits for Mo 202.031 Recovery = 102.00%						
Na 589.592†	36093.2	10.38 mg/L	0.015	10.38 mg/L	0.015	0.14%
QC value within limits for Na 589.592 Recovery = 103.81%						
Ni 231.604†	220165.4	5.141 mg/L	0.0215	5.141 mg/L	0.0215	0.42%
QC value within limits for Ni 231.604 Recovery = 102.82%						
Pb 220.353†	78799.2	5.122 mg/L	0.0187	5.122 mg/L	0.0187	0.36%
QC value within limits for Pb 220.353 Recovery = 102.43%						
Sb 206.836†	25258.5	4.974 mg/L	0.0540	4.974 mg/L	0.0540	1.09%
QC value within limits for Sb 206.836 Recovery = 99.48%						
Se 196.026†	5173.7	4.931 mg/L	0.0502	4.931 mg/L	0.0502	1.02%
QC value within limits for Se 196.026 Recovery = 98.62%						
Sn 189.927†	46306.6	5.054 mg/L	0.0619	5.054 mg/L	0.0619	1.23%
QC value within limits for Sn 189.927 Recovery = 101.09%						
Ti 337.279†	30097.8	5.161 mg/L	0.0046	5.161 mg/L	0.0046	0.09%
QC value within limits for Ti 337.279 Recovery = 103.22%						
Tl 351.924†	18223.3	2.466 mg/L	0.0073	2.466 mg/L	0.0073	0.29%
QC value within limits for Tl 351.924 Recovery = 98.64%						
V 290.880†	985033.5	5.158 mg/L	0.0174	5.158 mg/L	0.0174	0.34%
QC value within limits for V 290.880 Recovery = 103.17%						
Zn 206.200†	606330.1	5.122 mg/L	0.0215	5.122 mg/L	0.0215	0.42%
QC value within limits for Zn 206.200 Recovery = 102.44%						
Zr 343.823†	1481077.0	5.128 mg/L	0.0139	5.128 mg/L	0.0139	0.27%

All analyte(s) passed QC.

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Sequence No.: 49 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 5:08:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

RR MJH 4/15/22

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	94520.5	171	%	6.36				3.72%
Internal Standard Check greater than the upper limit for Y radial. Recovery = 171.1%								
Y axial	6039194.9	191	%	8.93				4.68%
Internal Standard Check greater than the upper limit for Y axial. Recovery = 190.7%								
Ag 328.068†	152.9	0.0017	mg/L	0.00019	0.0017	mg/L	0.00019	11.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	102.3	0.1136	mg/L	0.00948	0.1136	mg/L	0.00948	8.35%
QC value greater than the upper limit for Al 396.153 Recovery = Not calculated								
As 188.979†	18.9	0.0060	mg/L	0.00056	0.0060	mg/L	0.00056	9.22%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	85.0	0.0059	mg/L	0.00063	0.0059	mg/L	0.00063	10.68%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	17.0	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	34.24%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-611.5	-0.0062	mg/L	0.00008	-0.0062	mg/L	0.00008	1.33%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	28.8	0.0102	mg/L	0.00810	0.0102	mg/L	0.00810	79.38%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	-40.0	-0.0005	mg/L	0.00015	-0.0005	mg/L	0.00015	28.13%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	326.1	0.0031	mg/L	0.00012	0.0031	mg/L	0.00012	3.78%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-556.7	-0.0048	mg/L	0.00014	-0.0048	mg/L	0.00014	2.95%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-18.0	-0.0001	mg/L	0.00060	-0.0001	mg/L	0.00060	542.61%

QC value within limits for Cu 327.393 Recovery = Not calculated

Fe 238.204†	113.1	0.0486 mg/L	0.00063	0.0486 mg/L	0.00063	1.29%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490†	-670.6	-0.4374 mg/L	0.02250	-0.4374 mg/L	0.02250	5.14%

QC value within limits for K 766.490 Recovery = Not calculated

Mg 285.213†	4.3	0.0011 mg/L	0.00067	0.0011 mg/L	0.00067	60.80%

QC value within limits for Mg 285.213 Recovery = Not calculated

Mn 257.610†	10.5	0.0008 mg/L	0.00013	0.0008 mg/L	0.00013	16.58%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mo 202.031†	-269.5	-0.0125 mg/L	0.00023	-0.0125 mg/L	0.00023	1.86%

QC value within limits for Mo 202.031 Recovery = Not calculated

Na 589.592†	-826.6	-0.2377 mg/L	0.00823	-0.2377 mg/L	0.00823	3.46%

QC value within limits for Na 589.592 Recovery = Not calculated

Ni 231.604†	-238.8	-0.0056 mg/L	0.00031	-0.0056 mg/L	0.00031	5.47%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	-138.3	-0.0090 mg/L	0.00033	-0.0090 mg/L	0.00033	3.74%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	-39.7	-0.0080 mg/L	0.00146	-0.0080 mg/L	0.00146	18.30%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	0.0	0.0000 mg/L	0.00177	0.0000 mg/L	0.00177	>999.9%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	38.3	0.0042 mg/L	0.00002	0.0042 mg/L	0.00002	0.59%

QC value within limits for Sn 189.927 Recovery = Not calculated

Ti 337.279†	140.7	0.0239 mg/L	0.00122	0.0239 mg/L	0.00122	5.12%

QC value greater than the upper limit for Ti 337.279 Recovery = Not calculated

Tl 351.924†	2.3	0.0002 mg/L	0.00995	0.0002 mg/L	0.00995	>999.9%

QC value within limits for Tl 351.924 Recovery = Not calculated

V 290.880†	-2849.0	-0.0149 mg/L	0.00052	-0.0149 mg/L	0.00052	3.46%

QC value within limits for V 290.880 Recovery = Not calculated

Zn 206.200†	-110.9	-0.0009 mg/L	0.00005	-0.0009 mg/L	0.00005	4.99%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zr 343.823†	-127.4	-0.0004 mg/L	0.00003	-0.0004 mg/L	0.00003	6.36%

Internal Standard Check failed. Continue with analysis.
QC Failed. Continue with analysis.

RR MJH 4/15/22

==========

Sequence No.: 50 **Autosampler Location: 68**
Sample ID: 22D0541-18 **Date Collected: 4/14/2022 5:14:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**
User canceled analysis.

==========

Analysis Begun

Start Time: 4/14/2022 5:18:14 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

==========

Sequence No.: 49 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 5:18:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	51913.8	94.0	%	1.43				1.53%
Y axial	3114166.1	98.3	%	0.19				0.19%

Ag 328.068†	80.7	0.0009 mg/L	0.00031	0.0009 mg/L	0.00031	33.70%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.153†	-0.9	-0.0010 mg/L	0.00791	-0.0010 mg/L	0.00791	825.10%
QC value within limits for Al 396.153 Recovery = Not calculated						
As 188.979†	3.8	0.0012 mg/L	0.00332	0.0012 mg/L	0.00332	286.37%
QC value within limits for As 188.979 Recovery = Not calculated						
B 208.889†	64.8	0.0040 mg/L	0.00121	0.0040 mg/L	0.00121	30.51%
QC value within limits for B 208.889 Recovery = Not calculated						
Ba 233.527†	-1.2	-0.0000 mg/L	0.00010	-0.0000 mg/L	0.00010	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	-15.1	-0.0002 mg/L	0.00006	-0.0002 mg/L	0.00006	40.61%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	-12.4	-0.0044 mg/L	0.00469	-0.0044 mg/L	0.00469	106.98%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 228.802†	24.9	0.0002 mg/L	0.00010	0.0002 mg/L	0.00010	51.33%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	-0.3	-0.0000 mg/L	0.00015	-0.0000 mg/L	0.00015	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-19.8	-0.0002 mg/L	0.00051	-0.0002 mg/L	0.00051	298.32%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	-45.1	-0.0003 mg/L	0.00017	-0.0003 mg/L	0.00017	48.90%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	5.4	0.0023 mg/L	0.00220	0.0023 mg/L	0.00220	94.82%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	26.5	0.0173 mg/L	0.04325	0.0173 mg/L	0.04325	250.48%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	-3.7	-0.0009 mg/L	0.00108	-0.0009 mg/L	0.00108	115.29%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-3.4	-0.0003 mg/L	0.00027	-0.0003 mg/L	0.00027	104.95%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-9.1	-0.0004 mg/L	0.00060	-0.0004 mg/L	0.00060	144.43%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	26.2	0.0075 mg/L	0.02915	0.0075 mg/L	0.02915	386.19%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-28.0	-0.0007 mg/L	0.00049	-0.0007 mg/L	0.00049	75.10%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-3.3	-0.0002 mg/L	0.00107	-0.0002 mg/L	0.00107	494.83%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-7.1	-0.0014 mg/L	0.00192	-0.0014 mg/L	0.00192	135.20%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.1	0.0011 mg/L	0.00775	0.0011 mg/L	0.00775	706.79%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	3.8	0.0004 mg/L	0.00038	0.0004 mg/L	0.00038	90.63%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	-4.2	-0.0007 mg/L	0.00119	-0.0007 mg/L	0.00119	166.02%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-23.6	-0.0032 mg/L	0.00953	-0.0032 mg/L	0.00953	296.32%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	-144.7	-0.0008 mg/L	0.00050	-0.0008 mg/L	0.00050	65.89%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	-66.6	-0.0006 mg/L	0.00002	-0.0006 mg/L	0.00002	3.33%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	-38.2	-0.0001 mg/L	0.00009	-0.0001 mg/L	0.00009	69.71%

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 5:23:38 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/14/2022 5:23:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:
User canceled analysis.

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Analysis Begun

Start Time: 4/14/2022 5:24:12 PM **Plasma On Time: 4/14/2022 6:14:48 AM**
Logged In Analyst: ICP2 **Technique: ICP Continuous**
Spectrometer: Optima 4300 DV, S/N 077N0022803 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer\ICP\Data\Sample Information\0414A22.sif
Batch ID: OPTIMA 2
Results Data Set: 0414A22
Results Library: C:\Users\Public\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 50 **Autosampler Location: 68**
Sample ID: 22D0541-18 **Date Collected: 4/14/2022 5:24:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time:

Mean Data: 22D0541-18

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	51825.3	93.8	%	1.10				1.18%
Y axial	3105762.4	98.1	%	1.06				1.09%
Ag 328.068†	150.1	0.0017	mg/L	0.00147	0.0017	mg/L	0.00147	86.49%
Al 396.153†	2.2	0.0024	mg/L	0.00457	0.0024	mg/L	0.00457	188.02%
As 188.979†	9.8	0.0030	mg/L	0.00243	0.0030	mg/L	0.00243	80.72%
B 208.889†	51.6	0.0032	mg/L	0.00010	0.0032	mg/L	0.00010	3.26%
Ba 233.527†	-8.5	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	193.35%
Be 313.107†	-11.9	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	20.44%
Ca 317.933†	13.6	0.0048	mg/L	0.00179	0.0048	mg/L	0.00179	37.30%
Cd 228.802†	26.1	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	128.55%
Co 228.616†	-6.5	-0.0001	mg/L	0.00022	-0.0001	mg/L	0.00022	354.04%
Cr 267.716†	18.2	0.0002	mg/L	0.00031	0.0002	mg/L	0.00031	196.98%
Cu 327.393†	-114.1	-0.0009	mg/L	0.00050	-0.0009	mg/L	0.00050	57.53%
Fe 238.204†	7.9	0.0034	mg/L	0.00041	0.0034	mg/L	0.00041	12.09%
K 766.490†	15.9	0.0103	mg/L	0.01274	0.0103	mg/L	0.01274	123.17%
Mg 285.213†	10.1	0.0026	mg/L	0.00096	0.0026	mg/L	0.00096	37.25%
Mn 257.610†	0.7	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026	513.93%
Mo 202.031†	-5.8	-0.0003	mg/L	0.00066	-0.0003	mg/L	0.00066	245.67%
Na 589.592†	94.5	0.0272	mg/L	0.00974	0.0272	mg/L	0.00974	35.86%
Ni 231.604†	-14.9	-0.0003	mg/L	0.00022	-0.0003	mg/L	0.00022	64.26%
Pb 220.353†	-4.6	-0.0003	mg/L	0.00234	-0.0003	mg/L	0.00234	789.68%
Sb 206.836†	-1.9	-0.0004	mg/L	0.00206	-0.0004	mg/L	0.00206	534.88%
Se 196.026†	-1.4	-0.0013	mg/L	0.00410	-0.0013	mg/L	0.00410	314.19%
Sn 189.927†	34.7	0.0038	mg/L	0.00041	0.0038	mg/L	0.00041	10.88%

Ti 337.279†	-2.7	-0.0005 mg/L	0.00076	-0.0005 mg/L	0.00076	164.53%
Tl 351.924†	-31.6	-0.0043 mg/L	0.00305	-0.0043 mg/L	0.00305	70.98%
V 290.880†	-45.6	-0.0002 mg/L	0.00063	-0.0002 mg/L	0.00063	264.20%
Zn 206.200†	233.2	0.0020 mg/L	0.00001	0.0020 mg/L	0.00001	0.38%
Zr 343.823†	9.4	0.0000 mg/L	0.00010	0.0000 mg/L	0.00010	312.51%

User canceled analysis.

Sequence No.: 60 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/14/2022 6:29:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	50915.4	92.2	%	1.14				1.24%
Y axial	3029047.8	95.6	%	1.59				1.66%
Ag 328.068†	236343.7	2.636	mg/L	0.0440	2.636	mg/L	0.0440	1.67%
QC value within limits for Ag 328.068 Recovery = 105.45%								
Al 396.153†	9467.9	10.15	mg/L	0.043	10.15	mg/L	0.043	0.42%
QC value within limits for Al 396.153 Recovery = 101.50%								
As 188.979†	16158.8	4.923	mg/L	0.0816	4.923	mg/L	0.0816	1.66%
QC value within limits for As 188.979 Recovery = 98.45%								
B 208.889†	81395.7	4.679	mg/L	0.0815	4.679	mg/L	0.0815	1.74%
QC value within limits for B 208.889 Recovery = 93.58%								
Ba 233.527†	782594.7	5.114	mg/L	0.0053	5.114	mg/L	0.0053	0.10%
QC value within limits for Ba 233.527 Recovery = 102.29%								
Be 313.107†	490080.8	5.005	mg/L	0.0276	5.005	mg/L	0.0276	0.55%
QC value within limits for Be 313.107 Recovery = 100.10%								
Ca 317.933†	28655.6	10.16	mg/L	0.046	10.16	mg/L	0.046	0.45%
QC value within limits for Ca 317.933 Recovery = 101.64%								
Cd 228.802†	546912.1	4.871	mg/L	0.0160	4.871	mg/L	0.0160	0.33%
QC value within limits for Cd 228.802 Recovery = 97.42%								
Co 228.616†	522212.3	5.048	mg/L	0.0122	5.048	mg/L	0.0122	0.24%
QC value within limits for Co 228.616 Recovery = 100.95%								
Cr 267.716†	593521.8	5.104	mg/L	0.0091	5.104	mg/L	0.0091	0.18%
QC value within limits for Cr 267.716 Recovery = 102.08%								
Cu 327.393†	665474.3	5.149	mg/L	0.0039	5.149	mg/L	0.0039	0.08%
QC value within limits for Cu 327.393 Recovery = 102.98%								
Fe 238.204†	11945.4	5.137	mg/L	0.0267	5.137	mg/L	0.0267	0.52%
QC value within limits for Fe 238.204 Recovery = 102.75%								
K 766.490†	15796.0	10.30	mg/L	0.055	10.30	mg/L	0.055	0.53%
QC value within limits for K 766.490 Recovery = 103.02%								
Mg 285.213†	40846.8	10.41	mg/L	0.026	10.41	mg/L	0.026	0.25%
QC value within limits for Mg 285.213 Recovery = 104.12%								
Mn 257.610†	67901.8	5.092	mg/L	0.0124	5.092	mg/L	0.0124	0.24%
QC value within limits for Mn 257.610 Recovery = 101.83%								
Mo 202.031†	109938.4	5.090	mg/L	0.0076	5.090	mg/L	0.0076	0.15%
QC value within limits for Mo 202.031 Recovery = 101.81%								
Na 589.592†	36068.2	10.37	mg/L	0.015	10.37	mg/L	0.015	0.15%
QC value within limits for Na 589.592 Recovery = 103.74%								
Ni 231.604†	216531.7	5.056	mg/L	0.0164	5.056	mg/L	0.0164	0.32%
QC value within limits for Ni 231.604 Recovery = 101.12%								
Pb 220.353†	77553.6	5.041	mg/L	0.0186	5.041	mg/L	0.0186	0.37%
QC value within limits for Pb 220.353 Recovery = 100.81%								
Sb 206.836†	25284.4	4.981	mg/L	0.0753	4.981	mg/L	0.0753	1.51%
QC value within limits for Sb 206.836 Recovery = 99.61%								
Se 196.026†	5163.3	4.921	mg/L	0.0963	4.921	mg/L	0.0963	1.96%
QC value within limits for Se 196.026 Recovery = 98.42%								
Sn 189.927†	46523.6	5.078	mg/L	0.0817	5.078	mg/L	0.0817	1.61%
QC value within limits for Sn 189.927 Recovery = 101.56%								
Ti 337.279†	29977.7	5.140	mg/L	0.0181	5.140	mg/L	0.0181	0.35%
QC value within limits for Ti 337.279 Recovery = 102.81%								
Tl 351.924†	17988.7	2.434	mg/L	0.0023	2.434	mg/L	0.0023	0.09%
QC value within limits for Tl 351.924 Recovery = 97.37%								
V 290.880†	972086.5	5.090	mg/L	0.0071	5.090	mg/L	0.0071	0.14%
QC value within limits for V 290.880 Recovery = 101.81%								

Zn 206.200† 594101.9 5.019 mg/L 0.0264 5.019 mg/L 0.0264 0.53%
QC value within limits for Zn 206.200 Recovery = 100.38%
Zr 343.823† 1481735.6 5.131 mg/L 0.0034 5.131 mg/L 0.0034 0.07%
All analyte(s) passed QC.

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Sequence No.: 61 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/14/2022 6:34:55 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 200 **Auto Dilution Factor: 1**

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	51087.0	92.5	%	0.59				0.64%
Y axial	3057356.1	96.5	%	1.14				1.18%
Ag 328.068†	77.4	0.0009	mg/L	0.00010	0.0009	mg/L	0.00010	11.37%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-3.6	-0.0039	mg/L	0.00277	-0.0039	mg/L	0.00277	70.60%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	12.1	0.0037	mg/L	0.00105	0.0037	mg/L	0.00105	28.26%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	154.1	0.0094	mg/L	0.00130	0.0094	mg/L	0.00130	13.85%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	8.1	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	51.88%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	15.4	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012	73.36%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-15.6	-0.0055	mg/L	0.00246	-0.0055	mg/L	0.00246	44.41%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	35.8	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	72.93%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	21.5	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	50.75%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-32.7	-0.0003	mg/L	0.00073	-0.0003	mg/L	0.00073	260.74%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-26.4	-0.0002	mg/L	0.00077	-0.0002	mg/L	0.00077	380.86%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	1.5	0.0006	mg/L	0.00187	0.0006	mg/L	0.00187	295.34%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-21.1	-0.0137	mg/L	0.03337	-0.0137	mg/L	0.03337	242.73%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	12.3	0.0031	mg/L	0.00229	0.0031	mg/L	0.00229	73.10%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	1.2	0.0001	mg/L	0.00086	0.0001	mg/L	0.00086	953.29%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-3.3	-0.0002	mg/L	0.00028	-0.0002	mg/L	0.00028	180.91%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	47.8	0.0138	mg/L	0.02358	0.0138	mg/L	0.02358	171.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-11.5	-0.0003	mg/L	0.00062	-0.0003	mg/L	0.00062	235.65%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.8	0.0004	mg/L	0.00044	0.0004	mg/L	0.00044	99.73%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.9	0.0002	mg/L	0.00144	0.0002	mg/L	0.00144	840.44%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	7.1	0.0068	mg/L	0.00121	0.0068	mg/L	0.00121	17.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	8.6	0.0009	mg/L	0.00050	0.0009	mg/L	0.00050	53.68%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	0.7	0.0001	mg/L	0.00106	0.0001	mg/L	0.00106	867.16%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-50.3	-0.0069	mg/L	0.01716	-0.0069	mg/L	0.01716	250.18%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	-38.4	-0.0002	mg/L	0.00051	-0.0002	mg/L	0.00051	251.08%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-40.1	-0.0003	mg/L	0.00004	-0.0003	mg/L	0.00004	12.07%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zr 343.823†	45.6	0.0002 mg/L	0.00022	0.0002 mg/L	0.00022	138.90%

All analyte(s) passed QC.

==========

Sequence No.: 72 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/14/2022 7:40:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	50732.0	91.9	%	3.37				3.67%
Y axial	2806009.1	88.6	%	0.57				0.64%
Ag 328.068†	-615.2	-0.0025	mg/L	0.00062	-0.0025	mg/L	0.00062	24.20%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	226606.0	250.3	mg/L	1.80	250.3	mg/L	1.80	0.72%
QC value within limits for Al 396.153 Recovery = 100.11%								
As 188.979†	-88.8	-0.0040	mg/L	0.00095	-0.0040	mg/L	0.00095	23.89%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	256.8	0.0167	mg/L	0.00150	0.0167	mg/L	0.00150	8.99%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	1215.0	0.0079	mg/L	0.00031	0.0079	mg/L	0.00031	3.86%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-17.1	-0.0002	mg/L	0.00027	-0.0002	mg/L	0.00027	131.56%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	689965.3	244.7	mg/L	1.56	244.7	mg/L	1.56	0.64%
QC value within limits for Ca 317.933 Recovery = 97.89%								
Cd 228.802†	-33.2	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	11.84%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-191.1	-0.0019	mg/L	0.00011	-0.0019	mg/L	0.00011	5.56%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	866.5	-0.0013	mg/L	0.00005	-0.0013	mg/L	0.00005	3.91%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-1264.8	-0.0035	mg/L	0.00133	-0.0035	mg/L	0.00133	38.02%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	231924.1	99.55	mg/L	0.507	99.55	mg/L	0.507	0.51%
QC value within limits for Fe 238.204 Recovery = 99.55%								
K 766.490†	250.2	0.1632	mg/L	0.05818	0.1632	mg/L	0.05818	35.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	863985.1	220.4	mg/L	2.13	220.4	mg/L	2.13	0.97%
QC value within limits for Mg 285.213 Recovery = 88.16%								
Mn 257.610†	-1.0	-0.0001	mg/L	0.00056	-0.0001	mg/L	0.00056	774.36%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-374.4	0.0151	mg/L	0.00012	0.0151	mg/L	0.00012	0.81%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	2160.0	0.6213	mg/L	0.12462	0.6213	mg/L	0.12462	20.06%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-273.0	-0.0041	mg/L	0.00016	-0.0041	mg/L	0.00016	3.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1736.4	0.0038	mg/L	0.00055	0.0038	mg/L	0.00055	14.43%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-42.3	-0.0088	mg/L	0.00167	-0.0088	mg/L	0.00167	18.89%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-19.7	-0.0059	mg/L	0.01136	-0.0059	mg/L	0.01136	191.58%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-0.5	-0.0001	mg/L	0.00040	-0.0001	mg/L	0.00040	707.56%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	0.6	0.0001	mg/L	0.00325	0.0001	mg/L	0.00325	>999.9%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	85.7	0.0117	mg/L	0.00757	0.0117	mg/L	0.00757	64.85%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	1662.3	0.0022	mg/L	0.00053	0.0022	mg/L	0.00053	24.29%
QC value within limits for V 290.880 Recovery = Not calculated								

Zn 206.200† 735.4 0.0018 mg/L 0.00012 0.0018 mg/L 0.00012 6.67%
QC value within limits for Zn 206.200 Recovery = Not calculated
Zr 343.823† 1046.6 0.0004 mg/L 0.00024 0.0004 mg/L 0.00024 58.39%
All analyte(s) passed QC.

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Sequence No.: 73 **Autosampler Location: 12**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/14/2022 7:46:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time: 100 **Auto Dilution Factor: 1**

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	49868.5	90.3	%	1.04				1.15%
Y axial	2861465.3	90.3	%	0.89				0.98%
Ag 328.068†	86482.5	0.9834	mg/L	0.01606	0.9834	mg/L	0.01606	1.63%
QC value within limits for Ag 328.068 Recovery = 98.34%								
Al 396.153†	223160.4	246.5	mg/L	3.44	246.5	mg/L	3.44	1.40%
QC value within limits for Al 396.153 Recovery = 98.59%								
As 188.979†	-72.5	-0.0022	mg/L	0.00138	-0.0022	mg/L	0.00138	63.88%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	195.7	0.0129	mg/L	0.00024	0.0129	mg/L	0.00024	1.88%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	78134.8	0.5106	mg/L	0.00176	0.5106	mg/L	0.00176	0.34%
QC value within limits for Ba 233.527 Recovery = 102.12%								
Be 313.107†	48539.7	0.4957	mg/L	0.00131	0.4957	mg/L	0.00131	0.26%
QC value within limits for Be 313.107 Recovery = 99.13%								
Ca 317.933†	678188.9	240.5	mg/L	3.85	240.5	mg/L	3.85	1.60%
QC value within limits for Ca 317.933 Recovery = 96.22%								
Cd 228.802†	107141.4	0.9848	mg/L	0.00374	0.9848	mg/L	0.00374	0.38%
QC value within limits for Cd 228.802 Recovery = 98.48%								
Co 228.616†	47621.8	0.4603	mg/L	0.00107	0.4603	mg/L	0.00107	0.23%
QC value within limits for Co 228.616 Recovery = 92.06%								
Cr 267.716†	57929.3	0.4895	mg/L	0.00204	0.4895	mg/L	0.00204	0.42%
QC value within limits for Cr 267.716 Recovery = 97.89%								
Cu 327.393†	66234.0	0.5152	mg/L	0.00089	0.5152	mg/L	0.00089	0.17%
QC value within limits for Cu 327.393 Recovery = 103.04%								
Fe 238.204†	227645.1	97.72	mg/L	1.535	97.72	mg/L	1.535	1.57%
QC value within limits for Fe 238.204 Recovery = 97.72%								
K 766.490†	37.6	0.0245	mg/L	0.02436	0.0245	mg/L	0.02436	99.26%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	854257.7	217.9	mg/L	2.81	217.9	mg/L	2.81	1.29%
QC value within limits for Mg 285.213 Recovery = 87.17%								
Mn 257.610†	6474.0	0.4854	mg/L	0.00183	0.4854	mg/L	0.00183	0.38%
QC value within limits for Mn 257.610 Recovery = 97.08%								
Mo 202.031†	-350.4	0.0156	mg/L	0.00038	0.0156	mg/L	0.00038	2.44%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	578.4	0.1664	mg/L	0.02293	0.1664	mg/L	0.02293	13.78%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	39205.7	0.9165	mg/L	0.00247	0.9165	mg/L	0.00247	0.27%
QC value within limits for Ni 231.604 Recovery = 91.65%								
Pb 220.353†	12968.9	0.9562	mg/L	0.01102	0.9562	mg/L	0.01102	1.15%
QC value within limits for Pb 220.353 Recovery = 95.62%								
Sb 206.836†	3.1	-0.0117	mg/L	0.00076	-0.0117	mg/L	0.00076	6.48%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-27.9	-0.0144	mg/L	0.00360	-0.0144	mg/L	0.00360	24.98%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.3	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	104.02%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-19.6	-0.0033	mg/L	0.00280	-0.0033	mg/L	0.00280	84.97%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	54.7	0.0064	mg/L	0.00799	0.0064	mg/L	0.00799	124.55%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	96668.9	0.4997	mg/L	0.00178	0.4997	mg/L	0.00178	0.36%
QC value within limits for V 290.880 Recovery = 99.94%								
Zn 206.200†	113752.1	0.9555	mg/L	0.00286	0.9555	mg/L	0.00286	0.30%

QC value within limits for Zn 206.200 Recovery = 95.55%

Zr 343.823†	984.1	0.0003 mg/L	0.00041	0.0003 mg/L	0.00041	136.71%

All analyte(s) passed QC.

ANALYSIS SEQUENCE

S073158

Instrument: ICP3

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073158-ICV1	QC		1		2111414	2204254	
S073158-ICV2	QC		2		2201355	2204254	
S073158-ICB1	QC		3		2111294	2204254	
S073158-LCV1	QC		4		2202321	2204254	
S073158-CCV1	QC		5		2112026	2204254	
S073158-IFA1	QC		6		2202319	2204254	
S073158-IFB1	QC		7		2202320	2204254	
S073158-HCV1	QC		8		2201173	2204254	
S073158-HCV2	QC		9		2202322	2204254	
B305681-BLK2	QC		10			2204254	
B305681-MS2	QC		11			2204254	
B305681-MSD2	QC		12			2204254	
22D0541-15	Aluminum 6010 Total	I	13			2204254	
S073158-CCV2	QC		14		2112026	2204254	
S073158-CCB1	QC		15		2111294	2204254	
S073158-IFA2	QC		16		2202319	2204254	
S073158-IFB2	QC		17		2202320	2204254	

Samples Loaded By Date

Data Processed By Date

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	67731.5
-1.6	15.0	128049.1
-1.2	15.0	188423.1
-0.8	15.0	236957.8
-0.4	15.0	290835.2
0.0	15.0	323230.7
0.4	15.0	328711.2
0.8	15.0	320300.0
1.2	15.0	280890.3
1.6	15.0	232938.3
0.4	10.0	576.7
0.4	10.5	4086.6
0.4	11.0	9420.7
0.4	11.5	22372.0
0.4	12.0	35156.3
0.4	12.5	82548.6
0.4	13.0	123540.6
0.4	13.5	153375.3
0.4	14.0	220778.4
0.4	14.5	308303.1
0.4	15.0	318686.5
0.4	15.5	333722.9
0.4	16.0	306833.8
0.4	16.5	207000.1
0.4	17.0	148345.1
0.4	17.5	111421.6
0.4	18.0	66627.5
0.4	18.5	26002.0
0.4	19.0	14628.9
0.4	19.5	4534.4
-0.4	15.5	289643.5
0.0	15.5	322373.6
0.4	15.5	325709.5
0.8	15.5	314281.5
0.4	13.5	157545.4
0.4	14.0	215015.5
0.4	14.5	307465.5
0.4	15.0	334408.0
0.4	15.5	335717.5
0.4	16.0	314494.9
0.4	16.5	210057.6
0.4	17.0	148804.9

4/17/2022 12:33:37 PM aligned for analyte Mn 257.610
X viewing position set to 0.4 mm having Peak intensity 335717.5 for Axial viewing
Y viewing position set to 15.5 mm having Peak intensity 335717.5 for Axial viewing

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	131530.8
-1.6	15.0	188773.1
-1.2	15.0	239477.1
-0.8	15.0	283597.4
-0.4	15.0	318813.2
0.0	15.0	329042.6
0.4	15.0	313409.8
0.8	15.0	275682.8
1.2	15.0	225634.0
1.6	15.0	174340.1
0.0	10.0	1264.3
0.0	10.5	9295.6
0.0	11.0	22464.7
0.0	11.5	35460.4
0.0	12.0	61255.8
0.0	12.5	124867.9
0.0	13.0	155750.4

0.0	13.5	218508.6
0.0	14.0	251929.9
0.0	14.5	325746.7
0.0	15.0	329174.8
0.0	15.5	304013.4
0.0	16.0	256432.5
0.0	16.5	146964.0
0.0	17.0	112773.3
0.0	17.5	68518.0
0.0	18.0	47667.5
0.0	18.5	14684.0
0.0	19.0	4315.3
0.0	19.5	1924.1
-0.8	15.0	282646.4
-0.4	15.0	317706.9
0.0	15.0	332151.3
0.4	15.0	314243.4
0.0	13.0	160996.9
0.0	13.5	214601.7
0.0	14.0	250714.3
0.0	14.5	325231.9
0.0	15.0	329818.1
0.0	15.5	309338.5
0.0	16.0	248539.5
0.0	16.5	147210.7

4/17/2022 12:36:11 PM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 329818.1 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 329818.1 for Axial viewing

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Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	4646.3
-6.5	15.0	4970.9
-6.0	15.0	6190.4
-5.5	15.0	8543.3
-5.0	15.0	11839.8
-4.5	15.0	17260.2
-4.0	15.0	31008.0
-3.5	15.0	54187.6
-3.0	15.0	93902.8
-2.5	15.0	131005.1
-2.0	15.0	175419.1
-1.5	15.0	192613.7
-1.0	15.0	222003.4
-0.5	15.0	249153.1
0.0	15.0	241383.0
0.5	15.0	200733.6
1.0	15.0	111484.1
1.5	15.0	33454.2
2.0	15.0	36664.8
2.5	15.0	37464.8
3.0	15.0	35892.3
3.5	15.0	32708.3
4.0	15.0	24540.8
4.5	15.0	14573.9
5.0	15.0	8238.5
5.5	15.0	4722.6
6.0	15.0	3629.2
6.5	15.0	3482.5

4/17/2022 12:38:57 PM aligned for analyte Mn 257.610
X viewing position set to -0.5 mm having Peak intensity 249153.1 for Radial viewing

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Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	4381.0
-6.5	15.0	4587.0

-6.0	15.0	4899.8
-5.5	15.0	6124.9
-5.0	15.0	8386.5
-4.5	15.0	11867.5
-4.0	15.0	17200.7
-3.5	15.0	30847.3
-3.0	15.0	54530.7
-2.5	15.0	94227.2
-2.0	15.0	133230.1
-1.5	15.0	165657.5
-1.0	15.0	194448.1
-0.5	15.0	223607.5
0.0	15.0	240424.0
0.5	15.0	253756.2
1.0	15.0	199564.6
1.5	15.0	111855.3
2.0	15.0	33765.3
2.5	15.0	35902.1
3.0	15.0	38055.2
3.5	15.0	35206.3
4.0	15.0	32343.9
4.5	15.0	23585.2
5.0	15.0	14053.9
5.5	15.0	8413.3
6.0	15.0	4686.9
6.5	15.0	3637.1

4/17/2022 12:40:54 PM aligned for analyte Mn 257.610
X viewing position set to 0.5 mm having Peak intensity 253756.2 for Radial viewing

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Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	4615.3
-6.5	15.0	5006.4
-6.0	15.0	6255.3
-5.5	15.0	8354.7
-5.0	15.0	11780.0
-4.5	15.0	17500.6
-4.0	15.0	30837.4
-3.5	15.0	54512.9
-3.0	15.0	94373.2
-2.5	15.0	133849.7
-2.0	15.0	167072.4
-1.5	15.0	205457.2
-1.0	15.0	226219.0
-0.5	15.0	243276.4
0.0	15.0	246908.6
0.5	15.0	201953.3
1.0	15.0	113051.6
1.5	15.0	32867.5
2.0	15.0	36411.6
2.5	15.0	37141.8
3.0	15.0	35968.2
3.5	15.0	31998.1
4.0	15.0	24368.5
4.5	15.0	13868.5
5.0	15.0	8060.5
5.5	15.0	4679.8
6.0	15.0	3583.0
6.5	15.0	3458.2

4/17/2022 12:46:18 PM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 246908.6 for Radial viewing

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Analysis Begun

Start Time: 4/17/2022 1:19:50 PM **Plasma On Time: 4/17/2022 11:47:42 AM**

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Analysis Begun

Start Time: 4/17/2022 1:47:37 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/16/2022 11:28:51 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/17/2022 1:47:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Y radial	275278.5	1470.95	0.53%	100	%
Y axial	3038709.1	7007.49	0.23%	100	%
Ag 328.068†	-69.6	8.95	12.85%	[0.00]	mg/L
Al 396.153†	85.9	40.43	47.05%	[0.00]	mg/L
As 188.979†	-56.4	4.60	8.15%	[0.00]	mg/L
B 208.889†	62.2	2.78	4.47%	[0.00]	mg/L
Ba 233.527†	-36.2	5.46	15.08%	[0.00]	mg/L

Be 313.107†	1149.6	1.40	0.12%	[0.00]	mg/L
Ca 317.933†	1612.0	48.67	3.02%	[0.00]	mg/L
Cd 228.802†	69.6	2.83	4.07%	[0.00]	mg/L
Co 228.616†	-178.6	8.03	4.50%	[0.00]	mg/L
Cr 267.716†	161.0	14.48	8.99%	[0.00]	mg/L
Cu 327.393†	-132.3	22.23	16.80%	[0.00]	mg/L
Fe 238.204†	-4.3	1.64	38.14%	[0.00]	mg/L
K 766.490†	232.0	54.19	23.36%	[0.00]	mg/L
Mg 285.213†	259.4	3.58	1.38%	[0.00]	mg/L
Mn 257.610†	-191.9	7.21	3.76%	[0.00]	mg/L
Mo 202.031†	27.3	4.77	17.43%	[0.00]	mg/L
Na 589.592†	139.4	71.18	51.06%	[0.00]	mg/L
Ni 231.604†	67.2	3.90	5.79%	[0.00]	mg/L
Pb 220.353†	43.0	5.39	12.52%	[0.00]	mg/L
Sb 206.836†	29.4	10.73	36.53%	[0.00]	mg/L
Se 196.026†	16.2	4.92	30.29%	[0.00]	mg/L
Sn 189.927†	-88.0	6.34	7.21%	[0.00]	mg/L
Ti 337.279†	-80.3	37.31	46.43%	[0.00]	mg/L
Tl 351.924†	-14.2	0.86	6.03%	[0.00]	mg/L
V 290.880†	979.1	3.92	0.40%	[0.00]	mg/L
Zn 206.200†	-161.5	5.89	3.65%	[0.00]	mg/L
Zr 343.823†	146.2	50.50	34.55%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: SEQ-CAL1@ 2112021 **Date Collected: 4/17/2022 1:53:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-CAL1@ 2112021

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	271063.2	1180.00	0.44%	98.5	%
Y axial	3054048.3	22127.63	0.72%	101	%
Ag 328.068†	5562.2	113.58	2.04%	[0.0625]	mg/L
Al 396.153†	1442.5	30.06	2.08%	[0.25]	mg/L
As 188.979†	154.1	2.08	1.35%	[0.125]	mg/L
B 208.889†	888.6	8.55	0.96%	[0.125]	mg/L
Ba 233.527†	7062.6	117.66	1.67%	[0.125]	mg/L
Be 313.107†	34388.4	83.27	0.24%	[0.125]	mg/L
Cd 228.802†	3129.0	19.29	0.62%	[0.125]	mg/L
Co 228.616†	3384.0	18.84	0.56%	[0.125]	mg/L
Cr 267.716†	6647.4	81.59	1.23%	[0.125]	mg/L
Cu 327.393†	17586.0	262.69	1.49%	[0.125]	mg/L
Fe 238.204†	89.9	1.16	1.29%	[0.125]	mg/L
Mg 285.213†	4327.4	21.63	0.50%	[0.25]	mg/L
Mn 257.610†	2799.1	27.98	1.00%	[0.125]	mg/L
Mo 202.031†	2022.4	21.91	1.08%	[0.125]	mg/L
Ni 231.604†	2964.7	22.10	0.75%	[0.125]	mg/L
Pb 220.353†	419.0	12.10	2.89%	[0.125]	mg/L
Sb 206.836†	259.1	0.87	0.34%	[0.125]	mg/L
Se 196.026†	156.7	6.15	3.93%	[0.125]	mg/L
Sn 189.927†	634.7	6.24	0.98%	[0.125]	mg/L
Ti 337.279†	4267.7	48.54	1.14%	[0.125]	mg/L
Tl 351.924†	176.9	29.90	16.90%	[0.0625]	mg/L
V 290.880†	8711.0	155.09	1.78%	[0.125]	mg/L
Zn 206.200†	2873.6	19.11	0.67%	[0.125]	mg/L
Zr 343.823†	31090.4	555.14	1.79%	[0.125]	mg/L

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Sequence No.: 3 **Autosampler Location: 3**
Sample ID: SEQ-CAL2@ 2112022 **Date Collected: 4/17/2022 2:01:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CAL2@ 2112022

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	275716.4	4937.39	1.79%	100	%
Y axial	3011240.7	27312.18	0.91%	99.1	%
Ag 328.068†	23526.6	190.19	0.81%	[0.25]	mg/L
Al 396.153†	6042.0	36.62	0.61%	[1]	mg/L
As 188.979†	647.3	6.52	1.01%	[0.5]	mg/L
B 208.889†	3793.9	47.44	1.25%	[0.5]	mg/L
Ba 233.527†	29895.9	223.44	0.75%	[0.5]	mg/L
Be 313.107†	145867.6	89.56	0.06%	[0.5]	mg/L
Ca 317.933†	10938.2	31.67	0.29%	[1]	mg/L
Cd 228.802†	13180.4	119.16	0.90%	[0.5]	mg/L
Co 228.616†	14507.2	161.99	1.12%	[0.5]	mg/L
Cr 267.716†	28244.3	298.82	1.06%	[0.5]	mg/L
Cu 327.393†	74572.1	746.66	1.00%	[0.5]	mg/L
Fe 238.204†	358.0	7.02	1.96%	[0.5]	mg/L
Mg 285.213†	17987.1	34.63	0.19%	[1]	mg/L
Mn 257.610†	11504.3	7.91	0.07%	[0.5]	mg/L
Mo 202.031†	8529.8	81.42	0.95%	[0.5]	mg/L
Ni 231.604†	12662.8	142.39	1.12%	[0.5]	mg/L
Pb 220.353†	1750.7	23.26	1.33%	[0.5]	mg/L
Sb 206.836†	1104.9	14.34	1.30%	[0.5]	mg/L
Se 196.026†	673.6	5.84	0.87%	[0.5]	mg/L
Sn 189.927†	2682.4	33.52	1.25%	[0.5]	mg/L
Ti 337.279†	17944.0	40.34	0.22%	[0.5]	mg/L
Tl 351.924†	799.7	17.02	2.13%	[0.25]	mg/L
V 290.880†	36665.4	414.93	1.13%	[0.5]	mg/L
Zn 206.200†	12325.5	131.15	1.06%	[0.5]	mg/L
Zr 343.823†	132034.2	1333.15	1.01%	[0.5]	mg/L

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Sequence No.: 4 **Autosampler Location: 4**
Sample ID: SEQ-CAL3@ 2112023 **Date Collected: 4/17/2022 2:08:52 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CAL3@ 2112023

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	272248.6	4133.04	1.52%	98.9	%
Y axial	2989369.6	14333.91	0.48%	98.4	%
Ag 328.068†	46706.6	366.93	0.79%	[0.5]	mg/L
Al 396.153†	11959.4	126.09	1.05%	[2]	mg/L
As 188.979†	1291.3	5.76	0.45%	[1]	mg/L
B 208.889†	7588.5	30.61	0.40%	[1]	mg/L
Ba 233.527†	58897.9	1036.08	1.76%	[1]	mg/L
Be 313.107†	290970.4	3142.64	1.08%	[1]	mg/L
Ca 317.933†	21566.2	174.24	0.81%	[2]	mg/L
Cd 228.802†	26075.3	384.33	1.47%	[1]	mg/L
Co 228.616†	28710.3	426.59	1.49%	[1]	mg/L
Cr 267.716†	55582.0	972.57	1.75%	[1]	mg/L
Cu 327.393†	146510.2	2266.70	1.55%	[1]	mg/L
Fe 238.204†	701.4	12.52	1.79%	[1]	mg/L
K 766.490†	3497.6	78.44	2.24%	[2]	mg/L
Mg 285.213†	35470.3	438.00	1.23%	[2]	mg/L
Mn 257.610†	22890.0	212.90	0.93%	[1]	mg/L
Mo 202.031†	16731.4	312.22	1.87%	[1]	mg/L
Na 589.592†	21339.6	250.34	1.17%	[2]	mg/L
Ni 231.604†	24995.6	363.66	1.45%	[1]	mg/L
Pb 220.353†	3491.5	23.14	0.66%	[1]	mg/L
Sb 206.836†	2210.7	18.78	0.85%	[1]	mg/L
Se 196.026†	1357.2	9.18	0.68%	[1]	mg/L
Sn 189.927†	5337.8	25.99	0.49%	[1]	mg/L
Ti 337.279†	35913.0	296.80	0.83%	[1]	mg/L
Tl 351.924†	1611.2	9.57	0.59%	[0.5]	mg/L

V 290.880†	72442.6	1272.78	1.76%	[1]	mg/L
Zn 206.200†	24447.3	403.68	1.65%	[1]	mg/L
Zr 343.823†	257624.4	4210.19	1.63%	[1]	mg/L

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: SEQ-CAL4@ 2112024 **Date Collected: 4/17/2022 2:16:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CAL4@ 2112024

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y radial	266798.4	2411.69	0.90%	96.9	%
Y axial	2865973.4	14012.07	0.49%	94.3	%
Ag 328.068†	214942.1	693.06	0.32%	[2.5]	mg/L
Al 396.153†	60113.7	6.54	0.01%	[10]	mg/L
As 188.979†	6712.5	8.62	0.13%	[5]	mg/L
B 208.889†	39305.9	89.48	0.23%	[5]	mg/L
Ba 233.527†	299122.7	846.18	0.28%	[5]	mg/L
Be 313.107†	1482788.6	3558.78	0.24%	[5]	mg/L
Ca 317.933†	108575.1	159.30	0.15%	[10]	mg/L
Cd 228.802†	134341.5	269.55	0.20%	[5]	mg/L
Co 228.616†	145264.0	348.34	0.24%	[5]	mg/L
Cr 267.716†	283416.0	723.38	0.26%	[5]	mg/L
Cu 327.393†	745049.1	1005.11	0.13%	[5]	mg/L
Fe 238.204†	3551.6	40.32	1.14%	[5]	mg/L
K 766.490†	18410.4	228.98	1.24%	[10]	mg/L
Mg 285.213†	177608.9	236.98	0.13%	[10]	mg/L
Mn 257.610†	114356.9	159.71	0.14%	[5]	mg/L
Mo 202.031†	85806.5	122.57	0.14%	[5]	mg/L
Na 589.592†	108154.8	183.20	0.17%	[10]	mg/L
Ni 231.604†	126021.2	565.75	0.45%	[5]	mg/L
Pb 220.353†	17485.3	64.19	0.37%	[5]	mg/L
Sb 206.836†	11408.6	35.37	0.31%	[5]	mg/L
Se 196.026†	7087.7	35.07	0.49%	[5]	mg/L
Sn 189.927†	26991.8	78.16	0.29%	[5]	mg/L
Ti 337.279†	181487.7	150.53	0.08%	[5]	mg/L
Tl 351.924†	8349.3	59.00	0.71%	[2.5]	mg/L
V 290.880†	373794.7	892.62	0.24%	[5]	mg/L
Zn 206.200†	124789.9	280.26	0.22%	[5]	mg/L
Zr 343.823†	1314639.8	2774.18	0.21%	[5]	mg/L

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: SEQ-CAL5@ 2112025 **Date Collected: 4/17/2022 2:22:28 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CAL5@ 2112025

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y radial	263323.0	1383.74	0.53%	95.7	%
Y axial	2833446.5	6818.40	0.24%	93.2	%
Ag 328.068†	412839.6	1818.93	0.44%	[5]	mg/L
Al 396.153†	119527.2	222.99	0.19%	[20]	mg/L
As 188.979†	13360.9	104.80	0.78%	[10]	mg/L
B 208.889†	77683.9	393.51	0.51%	[10]	mg/L
Ba 233.527†	585933.7	787.62	0.13%	[10]	mg/L
Be 313.107†	2907542.2	7780.48	0.27%	[10]	mg/L
Ca 317.933†	214270.4	538.49	0.25%	[20]	mg/L
Cd 228.802†	265777.6	316.42	0.12%	[10]	mg/L
Co 228.616†	285128.8	218.08	0.08%	[10]	mg/L
Cr 267.716†	557728.7	546.38	0.10%	[10]	mg/L

Cu 327.393†	1483811.3	3271.10	0.22%	[10] mg/L
Fe 238.204†	7069.9	114.10	1.61%	[10] mg/L
K 766.490†	37161.6	686.22	1.85%	[20] mg/L
Mg 285.213†	351315.6	435.56	0.12%	[20] mg/L
Mn 257.610†	224876.9	305.43	0.14%	[10] mg/L
Mo 202.031†	168818.5	274.19	0.16%	[10] mg/L
Na 589.592†	217061.4	203.21	0.09%	[20] mg/L
Ni 231.604†	246808.9	603.16	0.24%	[10] mg/L
Pb 220.353†	33917.3	94.78	0.28%	[10] mg/L
Sb 206.836†	22697.2	148.48	0.65%	[10] mg/L
Se 196.026†	14154.9	49.82	0.35%	[10] mg/L
Sn 189.927†	52571.1	317.89	0.60%	[10] mg/L
Ti 337.279†	359744.9	620.51	0.17%	[10] mg/L
Tl 351.924†	16620.3	104.61	0.63%	[5] mg/L
V 290.880†	741486.1	1321.87	0.18%	[10] mg/L
Zn 206.200†	245874.4	621.19	0.25%	[10] mg/L
Zr 343.823†	2585381.1	7025.41	0.27%	[10] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	5	Lin Thru 0	0.0	83350	0.00000	0.999792	
Al 396.153	5	Lin Thru 0	0.0	5983	0.00000	0.999997	
As 188.979	5	Lin Thru 0	0.0	1337	0.00000	0.999992	
B 208.889	5	Lin Thru 0	0.0	7785	0.00000	0.999985	
Ba 233.527	5	Lin Thru 0	0.0	58840	0.00000	0.999965	
Be 313.107	5	Lin Thru 0	0.0	291900	0.00000	0.999968	
Ca 317.933	4	Lin Thru 0	0.0	10740	0.00000	0.999985	
Cd 228.802	5	Lin Thru 0	0.0	26630	0.00000	0.999989	
Co 228.616	5	Lin Thru 0	0.0	28620	0.00000	0.999971	
Cr 267.716	5	Lin Thru 0	0.0	55950	0.00000	0.999979	
Cu 327.393	5	Lin Thru 0	0.0	148500	0.00000	0.999998	
Fe 238.204	5	Lin Thru 0	0.0	707.6	0.00000	0.999998	
K 766.490	3	Lin Thru 0	0.0	1854	0.00000	0.999980	
Mg 285.213	5	Lin Thru 0	0.0	17610	0.00000	0.999990	
Mn 257.610	5	Lin Thru 0	0.0	22570	0.00000	0.999976	
Mo 202.031	5	Lin Thru 0	0.0	16940	0.00000	0.999978	
Na 589.592	3	Lin Thru 0	0.0	10840	0.00000	0.999998	
Ni 231.604	5	Lin Thru 0	0.0	24790	0.00000	0.999964	
Pb 220.353	5	Lin Thru 0	0.0	3414	0.00000	0.999922	
Sb 206.836	5	Lin Thru 0	0.0	2271	0.00000	0.999994	
Se 196.026	5	Lin Thru 0	0.0	1415	0.00000	0.999990	
Sn 189.927	5	Lin Thru 0	0.0	5286	0.00000	0.999943	
Ti 337.279	5	Lin Thru 0	0.0	36040	0.00000	0.999993	
Tl 351.924	5	Lin Thru 0	0.0	3326	0.00000	0.999992	
V 290.880	5	Lin Thru 0	0.0	74250	0.00000	0.999992	
Zn 206.200	5	Lin Thru 0	0.0	24660	0.00000	0.999982	
Zr 343.823	5	Lin Thru 0	0.0	259400	0.00000	0.999977	

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Analysis Begun

Start Time: 4/17/2022 2:32:40 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/17/2022 1:51:30 PM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/17/2022 2:32:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Replicate Data: SEQ-ICV@ 2111414

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y radial	269251.8	269251.8	97.8	%			2:34:00 PM
1	Al 396.153†	12183.8	12370.6	1.949	mg/L	1.949	mg/L	2:34:00 PM
1	Be 313.107†	586073.2	598041.8	2.039	mg/L	2.039	mg/L	2:34:00 PM
1	Ca 317.933†	23447.8	22360.6	2.081	mg/L	2.081	mg/L	2:34:20 PM
1	Fe 238.204†	1406.5	1442.3	2.042	mg/L	2.042	mg/L	2:34:20 PM
1	K 766.490†	3784.8	3637.6	1.962	mg/L	1.962	mg/L	2:34:20 PM
1	Mg 285.213†	35620.4	36158.3	2.017	mg/L	2.017	mg/L	2:34:20 PM

1	Mn 257.610†	44658.7	45850.1	2.034 mg/L	2.034 mg/L	2:34:20 PM
1	Na 589.592†	21229.6	21565.3	1.989 mg/L	1.989 mg/L	2:34:00 PM
1	Ti 337.279†	69849.4	71493.2	1.983 mg/L	1.983 mg/L	2:34:00 PM
1	Y axial	2972729.5	2972729.5	97.8 %		2:35:30 PM
1	As 188.979†	2492.7	2604.4	1.956 mg/L	1.956 mg/L	2:35:50 PM
1	B 208.889†	15309.7	15587.3	1.903 mg/L	1.903 mg/L	2:35:50 PM
1	Ba 233.527†	116701.2	119327.6	2.029 mg/L	2.029 mg/L	2:35:30 PM
1	Cd 228.802†	51923.5	53006.3	1.975 mg/L	1.975 mg/L	2:35:30 PM
1	Co 228.616†	57027.2	58471.5	2.039 mg/L	2.039 mg/L	2:35:30 PM
1	Cr 267.716†	111289.8	113598.8	2.029 mg/L	2.029 mg/L	2:35:30 PM
1	Cu 327.393†	292565.1	299190.9	2.028 mg/L	2.028 mg/L	2:35:30 PM
1	Mo 202.031†	33057.0	33763.4	1.994 mg/L	1.994 mg/L	2:35:50 PM
1	Ni 231.604†	49686.5	50722.0	2.045 mg/L	2.045 mg/L	2:35:30 PM
1	Pb 220.353†	6904.8	7015.0	2.058 mg/L	2.058 mg/L	2:35:50 PM
1	Sb 206.836†	4364.7	4432.2	1.935 mg/L	1.935 mg/L	2:35:50 PM
1	Se 196.026†	2755.9	2800.9	1.985 mg/L	1.985 mg/L	2:35:50 PM
1	Sn 189.927†	10222.6	10537.4	2.003 mg/L	2.003 mg/L	2:35:50 PM
1	Tl 351.924†	3302.8	3390.3	1.005 mg/L	1.005 mg/L	2:35:50 PM
1	V 290.880†	145571.9	147823.8	2.001 mg/L	2.001 mg/L	2:35:30 PM
1	Zn 206.200†	48369.2	49604.2	2.005 mg/L	2.005 mg/L	2:35:30 PM
1	Zr 343.823†	504552.8	515605.1	1.988 mg/L	1.988 mg/L	2:35:30 PM
1	Ag 328.068†	87268.2	89274.7	1.068 mg/L	1.068 mg/L	2:37:10 PM
2	Y radial	268640.0	268640.0	97.6 %		2:34:22 PM
2	Al 396.153†	12054.3	12266.2	1.931 mg/L	1.931 mg/L	2:34:22 PM
2	Be 313.107†	588216.4	601602.5	2.051 mg/L	2.051 mg/L	2:34:22 PM
2	Ca 317.933†	23416.2	22382.8	2.083 mg/L	2.083 mg/L	2:34:42 PM
2	Fe 238.204†	1398.8	1437.7	2.036 mg/L	2.036 mg/L	2:34:42 PM
2	K 766.490†	3784.2	3645.8	1.967 mg/L	1.967 mg/L	2:34:42 PM
2	Mg 285.213†	35604.6	36225.0	2.021 mg/L	2.021 mg/L	2:34:42 PM
2	Mn 257.610†	44555.6	45848.5	2.034 mg/L	2.034 mg/L	2:34:42 PM
2	Na 589.592†	21156.1	21539.5	1.986 mg/L	1.986 mg/L	2:34:22 PM
2	Ti 337.279†	69753.7	71557.7	1.985 mg/L	1.985 mg/L	2:34:22 PM
2	Y axial	2973810.8	2973810.8	97.9 %		2:35:53 PM
2	As 188.979†	2495.9	2606.8	1.958 mg/L	1.958 mg/L	2:36:13 PM
2	B 208.889†	15351.8	15624.6	1.908 mg/L	1.908 mg/L	2:36:13 PM
2	Ba 233.527†	116752.4	119336.5	2.029 mg/L	2.029 mg/L	2:35:53 PM
2	Cd 228.802†	52122.8	53190.7	1.982 mg/L	1.982 mg/L	2:35:53 PM
2	Co 228.616†	56820.7	58239.3	2.031 mg/L	2.031 mg/L	2:35:53 PM
2	Cr 267.716†	111326.1	113594.6	2.029 mg/L	2.029 mg/L	2:35:53 PM
2	Cu 327.393†	292200.8	298709.9	2.025 mg/L	2.025 mg/L	2:35:53 PM
2	Mo 202.031†	33129.2	33824.9	1.997 mg/L	1.997 mg/L	2:36:13 PM
2	Ni 231.604†	49537.5	50551.3	2.038 mg/L	2.038 mg/L	2:35:53 PM
2	Pb 220.353†	6902.9	7010.6	2.057 mg/L	2.057 mg/L	2:36:13 PM
2	Sb 206.836†	4376.9	4443.0	1.940 mg/L	1.940 mg/L	2:36:13 PM
2	Se 196.026†	2740.0	2783.6	1.972 mg/L	1.972 mg/L	2:36:13 PM
2	Sn 189.927†	10234.3	10545.7	2.004 mg/L	2.004 mg/L	2:36:13 PM
2	Tl 351.924†	3303.9	3390.2	1.005 mg/L	1.005 mg/L	2:36:13 PM
2	V 290.880†	145446.2	147641.2	1.998 mg/L	1.998 mg/L	2:35:53 PM
2	Zn 206.200†	48487.4	49707.0	2.009 mg/L	2.009 mg/L	2:35:53 PM
2	Zr 343.823†	503790.7	514638.9	1.984 mg/L	1.984 mg/L	2:35:53 PM
2	Ag 328.068†	87619.2	89601.0	1.072 mg/L	1.072 mg/L	2:37:12 PM
3	Y radial	270471.8	270471.8	98.3 %		2:34:44 PM
3	Al 396.153†	12221.6	12352.8	1.944 mg/L	1.944 mg/L	2:34:44 PM
3	Be 313.107†	589020.4	598338.5	2.040 mg/L	2.040 mg/L	2:34:44 PM
3	Ca 317.933†	23277.9	22079.6	2.055 mg/L	2.055 mg/L	2:35:04 PM
3	Fe 238.204†	1387.3	1416.3	2.006 mg/L	2.006 mg/L	2:35:04 PM
3	K 766.490†	3785.6	3620.9	1.953 mg/L	1.953 mg/L	2:35:04 PM
3	Mg 285.213†	35414.4	35784.3	1.996 mg/L	1.996 mg/L	2:35:04 PM
3	Mn 257.610†	44292.4	45271.4	2.008 mg/L	2.008 mg/L	2:35:04 PM
3	Na 589.592†	21370.4	21610.8	1.993 mg/L	1.993 mg/L	2:34:44 PM
3	Ti 337.279†	70504.2	71837.5	1.993 mg/L	1.993 mg/L	2:34:44 PM
3	Y axial	2950936.2	2950936.2	97.1 %		2:36:16 PM
3	As 188.979†	2520.1	2651.4	1.991 mg/L	1.991 mg/L	2:36:36 PM
3	B 208.889†	15486.3	15884.8	1.939 mg/L	1.939 mg/L	2:36:36 PM
3	Ba 233.527†	116293.6	119788.8	2.037 mg/L	2.037 mg/L	2:36:16 PM
3	Cd 228.802†	51701.8	53170.0	1.981 mg/L	1.981 mg/L	2:36:16 PM
3	Co 228.616†	56639.1	58502.5	2.040 mg/L	2.040 mg/L	2:36:16 PM
3	Cr 267.716†	110693.9	113825.4	2.033 mg/L	2.033 mg/L	2:36:16 PM
3	Cu 327.393†	289908.0	298663.4	2.025 mg/L	2.025 mg/L	2:36:16 PM
3	Mo 202.031†	33409.5	34375.9	2.030 mg/L	2.030 mg/L	2:36:36 PM

3	Ni 231.604†	49461.8	50865.7	2.051 mg/L	2.051 mg/L	2:36:16 PM
3	Pb 220.353†	6999.8	7164.9	2.102 mg/L	2.102 mg/L	2:36:36 PM
3	Sb 206.836†	4415.9	4517.9	1.973 mg/L	1.973 mg/L	2:36:36 PM
3	Se 196.026†	2762.9	2828.8	2.004 mg/L	2.004 mg/L	2:36:36 PM
3	Sn 189.927†	10286.2	10680.2	2.030 mg/L	2.030 mg/L	2:36:36 PM
3	Tl 351.924†	3326.5	3439.6	1.020 mg/L	1.020 mg/L	2:36:36 PM
3	V 290.880†	145030.8	148365.5	2.008 mg/L	2.008 mg/L	2:36:16 PM
3	Zn 206.200†	48228.6	49824.6	2.014 mg/L	2.014 mg/L	2:36:16 PM
3	Zr 343.823†	500367.4	515104.2	1.986 mg/L	1.986 mg/L	2:36:16 PM
3	Ag 328.068†	86125.3	88756.6	1.062 mg/L	1.062 mg/L	2:37:14 PM
4	Y radial	276878.1	276878.1	101 %		2:35:06 PM
4	Al 396.153†	12428.0	12270.2	1.933 mg/L	1.933 mg/L	2:35:06 PM
4	Be 313.107†	603670.0	599032.7	2.042 mg/L	2.042 mg/L	2:35:06 PM
4	Ca 317.933†	23467.9	21720.3	2.022 mg/L	2.022 mg/L	2:35:27 PM
4	Fe 238.204†	1402.4	1398.6	1.981 mg/L	1.981 mg/L	2:35:27 PM
4	K 766.490†	3777.3	3523.5	1.901 mg/L	1.901 mg/L	2:35:27 PM
4	Mg 285.213†	35664.4	35198.9	1.963 mg/L	1.963 mg/L	2:35:27 PM
4	Mn 257.610†	44681.7	44615.5	1.979 mg/L	1.979 mg/L	2:35:27 PM
4	Na 589.592†	21888.1	21622.3	1.994 mg/L	1.994 mg/L	2:35:06 PM
4	Ti 337.279†	72039.0	71703.2	1.989 mg/L	1.989 mg/L	2:35:06 PM
4	Y axial	3018628.6	3018628.6	99.3 %		2:36:39 PM
4	As 188.979†	2502.4	2575.5	1.935 mg/L	1.935 mg/L	2:36:59 PM
4	B 208.889†	15446.1	15486.7	1.891 mg/L	1.891 mg/L	2:36:59 PM
4	Ba 233.527†	118710.6	119536.5	2.033 mg/L	2.033 mg/L	2:36:39 PM
4	Cd 228.802†	52756.6	53037.9	1.977 mg/L	1.977 mg/L	2:36:39 PM
4	Co 228.616†	57789.3	58352.4	2.035 mg/L	2.035 mg/L	2:36:39 PM
4	Cr 267.716†	113034.3	113625.1	2.030 mg/L	2.030 mg/L	2:36:39 PM
4	Cu 327.393†	295201.1	297297.2	2.016 mg/L	2.016 mg/L	2:36:39 PM
4	Mo 202.031†	33273.3	33467.3	1.976 mg/L	1.976 mg/L	2:36:59 PM
4	Ni 231.604†	50390.3	50658.3	2.042 mg/L	2.042 mg/L	2:36:39 PM
4	Pb 220.353†	6962.4	6965.6	2.043 mg/L	2.043 mg/L	2:36:59 PM
4	Sb 206.836†	4399.7	4399.6	1.920 mg/L	1.920 mg/L	2:36:59 PM
4	Se 196.026†	2773.2	2775.4	1.967 mg/L	1.967 mg/L	2:36:59 PM
4	Sn 189.927†	10279.6	10436.0	1.983 mg/L	1.983 mg/L	2:36:59 PM
4	Tl 351.924†	3311.2	3347.4	0.9924 mg/L	0.9924 mg/L	2:36:59 PM
4	V 290.880†	147501.6	147503.6	1.996 mg/L	1.996 mg/L	2:36:39 PM
4	Zn 206.200†	49388.6	49878.6	2.016 mg/L	2.016 mg/L	2:36:39 PM
4	Zr 343.823†	510841.9	514093.9	1.982 mg/L	1.982 mg/L	2:36:39 PM
4	Ag 328.068†	87186.8	87836.4	1.051 mg/L	1.051 mg/L	2:37:16 PM

Mean Data: SEQ-ICV@ 2111414

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	271310.4	98.6	%	1.38				1.40%
Y axial	2979026.3	98.0	%	0.94				0.95%
Ag 328.068†	88867.2	1.063	mg/L	0.0092	1.063	mg/L	0.0092	0.87%
QC value greater than the upper limit for Ag 328.068 Recovery = 106.31% 6010 OK								
Al 396.153†	12315.0	1.939	mg/L	0.0086	1.939	mg/L	0.0086	0.44%
QC value within limits for Al 396.153 Recovery = 96.97%								
As 188.979†	2609.5	1.960	mg/L	0.0235	1.960	mg/L	0.0235	1.20%
QC value within limits for As 188.979 Recovery = 98.00%								
B 208.889†	15645.8	1.910	mg/L	0.0207	1.910	mg/L	0.0207	1.08%
QC value within limits for B 208.889 Recovery = 95.51%								
Ba 233.527†	119497.4	2.032	mg/L	0.0037	2.032	mg/L	0.0037	0.18%
QC value within limits for Ba 233.527 Recovery = 101.61%								
Be 313.107†	599253.9	2.043	mg/L	0.0056	2.043	mg/L	0.0056	0.27%
QC value within limits for Be 313.107 Recovery = 102.15%								
Ca 317.933†	22135.8	2.060	mg/L	0.0288	2.060	mg/L	0.0288	1.40%
QC value within limits for Ca 317.933 Recovery = 103.02%								
Cd 228.802†	53101.3	1.979	mg/L	0.0033	1.979	mg/L	0.0033	0.17%
QC value within limits for Cd 228.802 Recovery = 98.93%								
Co 228.616†	58391.4	2.036	mg/L	0.0042	2.036	mg/L	0.0042	0.21%
QC value within limits for Co 228.616 Recovery = 101.80%								
Cr 267.716†	113661.0	2.030	mg/L	0.0020	2.030	mg/L	0.0020	0.10%
QC value within limits for Cr 267.716 Recovery = 101.52%								
Cu 327.393†	298465.3	2.024	mg/L	0.0055	2.024	mg/L	0.0055	0.27%
QC value within limits for Cu 327.393 Recovery = 101.18%								
Fe 238.204†	1423.7	2.016	mg/L	0.0286	2.016	mg/L	0.0286	1.42%
QC value within limits for Fe 238.204 Recovery = 100.80%								

K 766.490†	3606.9	1.946 mg/L	0.0305	1.946 mg/L	0.0305	1.57%
QC value within limits for K 766.490 Recovery = 97.28%						
Mg 285.213†	35841.6	1.999 mg/L	0.0267	1.999 mg/L	0.0267	1.33%
QC value within limits for Mg 285.213 Recovery = 99.97%						
Mn 257.610†	45396.4	2.014 mg/L	0.0260	2.014 mg/L	0.0260	1.29%
QC value within limits for Mn 257.610 Recovery = 100.70%						
Mo 202.031†	33857.9	1.999 mg/L	0.0224	1.999 mg/L	0.0224	1.12%
QC value within limits for Mo 202.031 Recovery = 99.96%						
Na 589.592†	21584.5	1.990 mg/L	0.0036	1.990 mg/L	0.0036	0.18%
QC value within limits for Na 589.592 Recovery = 99.52%						
Ni 231.604†	50699.3	2.044 mg/L	0.0053	2.044 mg/L	0.0053	0.26%
QC value within limits for Ni 231.604 Recovery = 102.20%						
Pb 220.353†	7039.0	2.065 mg/L	0.0255	2.065 mg/L	0.0255	1.23%
QC value within limits for Pb 220.353 Recovery = 103.25%						
Sb 206.836†	4448.2	1.942 mg/L	0.0222	1.942 mg/L	0.0222	1.14%
QC value within limits for Sb 206.836 Recovery = 97.10%						
Se 196.026†	2797.2	1.982 mg/L	0.0167	1.982 mg/L	0.0167	0.84%
QC value within limits for Se 196.026 Recovery = 99.10%						
Sn 189.927†	10549.8	2.005 mg/L	0.0190	2.005 mg/L	0.0190	0.95%
QC value within limits for Sn 189.927 Recovery = 100.25%						
Ti 337.279†	71647.9	1.988 mg/L	0.0043	1.988 mg/L	0.0043	0.22%
QC value within limits for Ti 337.279 Recovery = 99.39%						
Tl 351.924†	3391.9	1.006 mg/L	0.0113	1.006 mg/L	0.0113	1.12%
QC value within limits for Tl 351.924 Recovery = 100.57%						
V 290.880†	147833.5	2.001 mg/L	0.0052	2.001 mg/L	0.0052	0.26%
QC value within limits for V 290.880 Recovery = 100.03%						
Zn 206.200†	49753.6	2.011 mg/L	0.0050	2.011 mg/L	0.0050	0.25%
QC value within limits for Zn 206.200 Recovery = 100.55%						
Zr 343.823†	514860.5	1.985 mg/L	0.0025	1.985 mg/L	0.0025	0.13%
QC value within limits for Zr 343.823 Recovery = 99.23%						

QC Failed. Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 4/17/2022 2:43:25 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 2 **Autosampler Location: 9**
Sample ID: SEQ-ICV@Pb@ 2201355 **Date Collected: 4/17/2022 2:43:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Replicate Data: SEQ-ICV@Pb@ 2201355

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y radial	276013.0	276013.0	100	%			2:44:44 PM
1	Al 396.153†	106.9	20.7	0.0034	mg/L	0.0034	mg/L	2:44:44 PM
1	Be 313.107†	1165.3	12.6	0.0000	mg/L	0.0000	mg/L	2:45:05 PM
1	Ca 317.933†	1517.9	-98.2	-0.0091	mg/L	-0.0091	mg/L	2:44:44 PM
1	Fe 238.204†	-4.3	0.1	0.0001	mg/L	0.0001	mg/L	2:45:05 PM
1	K 766.490†	285.7	53.0	0.0286	mg/L	0.0286	mg/L	2:44:44 PM
1	Mg 285.213†	274.8	14.6	0.0008	mg/L	0.0008	mg/L	2:45:05 PM
1	Mn 257.610†	-193.4	-1.0	-0.0000	mg/L	-0.0000	mg/L	2:45:05 PM
1	Na 589.592†	83.8	-55.8	-0.0051	mg/L	-0.0051	mg/L	2:44:44 PM
1	Ti 337.279†	-106.4	-25.7	-0.0007	mg/L	-0.0007	mg/L	2:44:44 PM
1	Y axial	3013162.8	3013162.8	99.2	%			2:46:14 PM
1	As 188.979†	-59.2	-3.3	-0.0025	mg/L	-0.0025	mg/L	2:46:36 PM

1	B 208.889†	176.0	115.3	0.0148 mg/L	0.0148 mg/L	2:46:36 PM
1	Ba 233.527†	-31.5	4.5	0.0001 mg/L	0.0001 mg/L	2:46:36 PM
1	Cd 228.802†	77.6	8.7	0.0004 mg/L	0.0004 mg/L	2:46:36 PM
1	Co 228.616†	-180.5	-3.4	-0.0001 mg/L	-0.0001 mg/L	2:46:36 PM
1	Cr 267.716†	175.4	15.8	0.0003 mg/L	0.0003 mg/L	2:46:36 PM
1	Cu 327.393†	-134.2	-3.0	-0.0000 mg/L	-0.0000 mg/L	2:46:16 PM
1	Mo 202.031†	39.8	12.8	0.0008 mg/L	0.0008 mg/L	2:46:36 PM
1	Ni 231.604†	85.1	18.6	0.0007 mg/L	0.0007 mg/L	2:46:36 PM
1	Pb 220.353†	3733.0	3721.6	1.090 mg/L	1.090 mg/L	2:46:36 PM
1	Sb 206.836†	23.8	-5.4	-0.0024 mg/L	-0.0024 mg/L	2:46:36 PM
1	Se 196.026†	16.8	0.7	0.0005 mg/L	0.0005 mg/L	2:46:36 PM
1	Sn 189.927†	-86.3	1.0	0.0002 mg/L	0.0002 mg/L	2:46:36 PM
1	Tl 351.924†	-9.4	4.7	0.0014 mg/L	0.0014 mg/L	2:46:36 PM
1	V 290.880†	976.1	5.3	0.0001 mg/L	0.0001 mg/L	2:46:36 PM
1	Zn 206.200†	-159.8	0.3	0.0000 mg/L	0.0000 mg/L	2:46:36 PM
1	Zr 343.823†	158.7	13.9	0.0001 mg/L	0.0001 mg/L	2:46:16 PM
1	Ag 328.068†	-13.7	55.8	0.0007 mg/L	0.0007 mg/L	2:48:00 PM
2	Y radial	266503.2	266503.2	96.8 %		2:45:07 PM
2	Al 396.153†	72.4	-11.1	-0.0019 mg/L	-0.0019 mg/L	2:45:07 PM
2	Be 313.107†	1179.9	69.1	0.0002 mg/L	0.0002 mg/L	2:45:27 PM
2	Ca 317.933†	1502.9	-59.7	-0.0056 mg/L	-0.0056 mg/L	2:45:07 PM
2	Fe 238.204†	-4.5	-0.3	-0.0004 mg/L	-0.0004 mg/L	2:45:27 PM
2	K 766.490†	401.8	183.1	0.0988 mg/L	0.0988 mg/L	2:45:07 PM
2	Mg 285.213†	288.1	38.2	0.0022 mg/L	0.0022 mg/L	2:45:27 PM
2	Mn 257.610†	-196.3	-10.9	-0.0005 mg/L	-0.0005 mg/L	2:45:27 PM
2	Na 589.592†	188.4	55.2	0.0051 mg/L	0.0051 mg/L	2:45:07 PM
2	Ti 337.279†	-132.0	-56.0	-0.0016 mg/L	-0.0016 mg/L	2:45:07 PM
2	Y axial	3078620.0	3078620.0	101 %		2:46:38 PM
2	As 188.979†	-55.9	1.2	0.0009 mg/L	0.0009 mg/L	2:47:00 PM
2	B 208.889†	164.4	100.1	0.0128 mg/L	0.0128 mg/L	2:47:00 PM
2	Ba 233.527†	-37.0	-0.3	-0.0000 mg/L	-0.0000 mg/L	2:47:00 PM
2	Cd 228.802†	78.0	7.5	0.0003 mg/L	0.0003 mg/L	2:47:00 PM
2	Co 228.616†	-159.5	21.3	0.0007 mg/L	0.0007 mg/L	2:47:00 PM
2	Cr 267.716†	164.1	0.9	0.0000 mg/L	0.0000 mg/L	2:47:00 PM
2	Cu 327.393†	-73.5	59.8	0.0004 mg/L	0.0004 mg/L	2:46:40 PM
2	Mo 202.031†	49.9	21.9	0.0013 mg/L	0.0013 mg/L	2:47:00 PM
2	Ni 231.604†	73.1	4.9	0.0002 mg/L	0.0002 mg/L	2:47:00 PM
2	Pb 220.353†	3727.2	3635.8	1.065 mg/L	1.065 mg/L	2:47:00 PM
2	Sb 206.836†	24.1	-5.6	-0.0024 mg/L	-0.0024 mg/L	2:47:00 PM
2	Se 196.026†	5.6	-10.7	-0.0076 mg/L	-0.0076 mg/L	2:47:00 PM
2	Sn 189.927†	-91.6	-2.4	-0.0005 mg/L	-0.0005 mg/L	2:47:00 PM
2	Tl 351.924†	-15.0	-0.6	-0.0002 mg/L	-0.0002 mg/L	2:47:00 PM
2	V 290.880†	981.7	-10.2	-0.0001 mg/L	-0.0001 mg/L	2:47:00 PM
2	Zn 206.200†	-155.9	7.6	0.0003 mg/L	0.0003 mg/L	2:47:00 PM
2	Zr 343.823†	237.5	88.3	0.0003 mg/L	0.0003 mg/L	2:46:40 PM
2	Ag 328.068†	5.2	74.8	0.0009 mg/L	0.0009 mg/L	2:48:02 PM
3	Y radial	270387.9	270387.9	98.2 %		2:45:29 PM
3	Al 396.153†	142.0	58.6	0.0098 mg/L	0.0098 mg/L	2:45:29 PM
3	Be 313.107†	1181.0	52.7	0.0002 mg/L	0.0002 mg/L	2:45:49 PM
3	Ca 317.933†	1549.3	-34.7	-0.0032 mg/L	-0.0032 mg/L	2:45:29 PM
3	Fe 238.204†	-1.6	2.6	0.0037 mg/L	0.0037 mg/L	2:45:49 PM
3	K 766.490†	340.8	115.0	0.0620 mg/L	0.0620 mg/L	2:45:29 PM
3	Mg 285.213†	269.9	15.3	0.0009 mg/L	0.0009 mg/L	2:45:49 PM
3	Mn 257.610†	-189.4	-0.9	-0.0000 mg/L	-0.0000 mg/L	2:45:49 PM
3	Na 589.592†	80.5	-57.4	-0.0053 mg/L	-0.0053 mg/L	2:45:29 PM
3	Ti 337.279†	-135.1	-57.2	-0.0016 mg/L	-0.0016 mg/L	2:45:29 PM
3	Y axial	3027766.9	3027766.9	99.6 %		2:47:03 PM
3	As 188.979†	-55.7	0.5	0.0004 mg/L	0.0004 mg/L	2:47:25 PM
3	B 208.889†	171.6	110.0	0.0141 mg/L	0.0141 mg/L	2:47:25 PM
3	Ba 233.527†	-25.3	10.9	0.0002 mg/L	0.0002 mg/L	2:47:25 PM
3	Cd 228.802†	81.1	11.9	0.0004 mg/L	0.0004 mg/L	2:47:25 PM
3	Co 228.616†	-168.2	9.8	0.0003 mg/L	0.0003 mg/L	2:47:25 PM
3	Cr 267.716†	172.7	12.3	0.0002 mg/L	0.0002 mg/L	2:47:25 PM
3	Cu 327.393†	-137.2	-5.4	-0.0000 mg/L	-0.0000 mg/L	2:47:05 PM
3	Mo 202.031†	42.2	15.0	0.0009 mg/L	0.0009 mg/L	2:47:25 PM
3	Ni 231.604†	67.9	0.9	0.0000 mg/L	0.0000 mg/L	2:47:25 PM
3	Pb 220.353†	3730.3	3700.8	1.084 mg/L	1.084 mg/L	2:47:25 PM
3	Sb 206.836†	40.5	11.2	0.0050 mg/L	0.0050 mg/L	2:47:25 PM
3	Se 196.026†	8.5	-7.7	-0.0054 mg/L	-0.0054 mg/L	2:47:25 PM
3	Sn 189.927†	-84.0	3.7	0.0007 mg/L	0.0007 mg/L	2:47:25 PM

3	Tl 351.924†	-21.1	-7.0	-0.0021 mg/L	-0.0021 mg/L	2:47:25 PM
3	V 290.880†	963.5	-12.2	-0.0002 mg/L	-0.0002 mg/L	2:47:25 PM
3	Zn 206.200†	-160.6	0.3	0.0000 mg/L	0.0000 mg/L	2:47:25 PM
3	Zr 343.823†	152.6	7.0	0.0000 mg/L	0.0000 mg/L	2:47:05 PM
3	Ag 328.068†	-48.5	21.0	0.0003 mg/L	0.0003 mg/L	2:48:04 PM
4	Y radial	271864.3	271864.3	98.8 %		2:45:51 PM
4	Al 396.153†	75.5	-9.5	-0.0016 mg/L	-0.0016 mg/L	2:45:51 PM
4	Be 313.107†	1189.9	55.3	0.0002 mg/L	0.0002 mg/L	2:46:11 PM
4	Ca 317.933†	1567.8	-24.5	-0.0023 mg/L	-0.0023 mg/L	2:45:51 PM
4	Fe 238.204†	2.8	7.1	0.0101 mg/L	0.0101 mg/L	2:46:11 PM
4	K 766.490†	405.1	178.3	0.0962 mg/L	0.0962 mg/L	2:45:51 PM
4	Mg 285.213†	292.8	37.1	0.0021 mg/L	0.0021 mg/L	2:46:11 PM
4	Mn 257.610†	-178.9	10.7	0.0005 mg/L	0.0005 mg/L	2:46:11 PM
4	Na 589.592†	34.6	-104.4	-0.0096 mg/L	-0.0096 mg/L	2:45:51 PM
4	Ti 337.279†	-174.7	-96.5	-0.0027 mg/L	-0.0027 mg/L	2:45:51 PM
4	Y axial	3067171.2	3067171.2	101 %		2:47:27 PM
4	As 188.979†	-57.4	-0.4	-0.0003 mg/L	-0.0003 mg/L	2:47:49 PM
4	B 208.889†	166.6	102.9	0.0132 mg/L	0.0132 mg/L	2:47:49 PM
4	Ba 233.527†	-19.0	17.4	0.0003 mg/L	0.0003 mg/L	2:47:49 PM
4	Cd 228.802†	77.7	7.4	0.0003 mg/L	0.0003 mg/L	2:47:49 PM
4	Co 228.616†	-167.8	12.4	0.0004 mg/L	0.0004 mg/L	2:47:49 PM
4	Cr 267.716†	174.7	12.0	0.0002 mg/L	0.0002 mg/L	2:47:49 PM
4	Cu 327.393†	-107.7	25.6	0.0002 mg/L	0.0002 mg/L	2:47:29 PM
4	Mo 202.031†	50.0	22.2	0.0013 mg/L	0.0013 mg/L	2:47:49 PM
4	Ni 231.604†	79.4	11.4	0.0005 mg/L	0.0005 mg/L	2:47:49 PM
4	Pb 220.353†	3747.2	3669.3	1.075 mg/L	1.075 mg/L	2:47:49 PM
4	Sb 206.836†	26.0	-3.6	-0.0016 mg/L	-0.0016 mg/L	2:47:49 PM
4	Se 196.026†	23.3	6.9	0.0049 mg/L	0.0049 mg/L	2:47:49 PM
4	Sn 189.927†	-81.0	7.7	0.0014 mg/L	0.0014 mg/L	2:47:49 PM
4	Tl 351.924†	-11.2	3.1	0.0009 mg/L	0.0009 mg/L	2:47:49 PM
4	V 290.880†	982.9	-5.4	-0.0001 mg/L	-0.0001 mg/L	2:47:49 PM
4	Zn 206.200†	-155.1	7.8	0.0003 mg/L	0.0003 mg/L	2:47:49 PM
4	Zr 343.823†	142.9	-4.6	-0.0000 mg/L	-0.0000 mg/L	2:47:29 PM
4	Ag 328.068†	-34.6	35.4	0.0004 mg/L	0.0004 mg/L	2:48:07 PM

Mean Data: SEQ-ICV@Pb@ 2201355

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	271192.1	98.5	%	1.43				1.45%
Y axial	3046680.2	100	%	1.03				1.02%
Ag 328.068†	46.7	0.0006	mg/L	0.00028	0.0006	mg/L	0.00028	50.32%
Al 396.153†	14.7	0.0024	mg/L	0.00548	0.0024	mg/L	0.00548	228.02%
As 188.979†	-0.5	-0.0004	mg/L	0.00149	-0.0004	mg/L	0.00149	400.68%
B 208.889†	107.1	0.0137	mg/L	0.00090	0.0137	mg/L	0.00090	6.55%
Ba 233.527†	8.1	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	95.23%
Be 313.107†	47.4	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	51.44%
Ca 317.933†	-54.3	-0.0051	mg/L	0.00305	-0.0051	mg/L	0.00305	60.49%
Cd 228.802†	8.9	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	23.20%
Co 228.616†	10.0	0.0004	mg/L	0.00036	0.0004	mg/L	0.00036	100.91%
Cr 267.716†	10.2	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012	63.00%
Cu 327.393†	19.3	0.0001	mg/L	0.00021	0.0001	mg/L	0.00021	157.28%
Fe 238.204†	2.4	0.0034	mg/L	0.00484	0.0034	mg/L	0.00484	143.99%
K 766.490†	132.3	0.0714	mg/L	0.03309	0.0714	mg/L	0.03309	46.35%
Mg 285.213†	26.3	0.0015	mg/L	0.00074	0.0015	mg/L	0.00074	49.70%
Mn 257.610†	-0.5	-0.0000	mg/L	0.00039	-0.0000	mg/L	0.00039	>999.9%
Mo 202.031†	18.0	0.0011	mg/L	0.00028	0.0011	mg/L	0.00028	26.64%
Na 589.592†	-40.6	-0.0037	mg/L	0.00625	-0.0037	mg/L	0.00625	166.82%
Ni 231.604†	8.9	0.0004	mg/L	0.00031	0.0004	mg/L	0.00031	86.10%
Pb 220.353†	3681.9	1.079	mg/L	0.0110	1.079	mg/L	0.0110	1.02%
QC value within limits for Pb 220.353 Recovery = 107.86%								
Sb 206.836†	-0.8	-0.0004	mg/L	0.00357	-0.0004	mg/L	0.00357	992.09%
Se 196.026†	-2.7	-0.0019	mg/L	0.00566	-0.0019	mg/L	0.00566	298.01%
Sn 189.927†	2.5	0.0005	mg/L	0.00081	0.0005	mg/L	0.00081	174.71%
Ti 337.279†	-58.9	-0.0016	mg/L	0.00081	-0.0016	mg/L	0.00081	49.30%
Tl 351.924†	0.0	0.0000	mg/L	0.00156	0.0000	mg/L	0.00156	>999.9%
V 290.880†	-5.6	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	148.37%
Zn 206.200†	4.0	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	107.68%
Zr 343.823†	26.1	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	161.36%

All analyte(s) passed QC.

Sequence No.: 3 **Autosampler Location: 1**
Sample ID: SEQ-ICB@ 2111294 **Date Collected: 4/17/2022 2:51:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Replicate Data: SEQ-ICB@ 2111294

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y radial	266883.3	266883.3	97.0	%			2:53:15 PM
1	Al 396.153†	73.6	-10.1	-0.0017	mg/L	-0.0017	mg/L	2:53:15 PM
1	Be 313.107†	1174.3	61.7	0.0002	mg/L	0.0002	mg/L	2:53:35 PM
1	Ca 317.933†	1589.3	27.3	0.0025	mg/L	0.0025	mg/L	2:53:15 PM
1	Fe 238.204†	-4.9	-0.8	-0.0011	mg/L	-0.0011	mg/L	2:53:35 PM
1	K 766.490†	296.9	74.3	0.0401	mg/L	0.0401	mg/L	2:53:15 PM
1	Mg 285.213†	272.8	22.0	0.0012	mg/L	0.0012	mg/L	2:53:35 PM
1	Mn 257.610†	-195.6	-9.9	-0.0004	mg/L	-0.0004	mg/L	2:53:35 PM
1	Na 589.592†	144.5	9.7	0.0009	mg/L	0.0009	mg/L	2:53:15 PM
1	Ti 337.279†	-177.4	-102.6	-0.0028	mg/L	-0.0028	mg/L	2:53:15 PM
1	Y axial	3011386.4	3011386.4	99.1	%			2:54:45 PM
1	As 188.979†	-55.9	-0.0	-0.0000	mg/L	-0.0000	mg/L	2:55:07 PM
1	B 208.889†	151.4	90.6	0.0116	mg/L	0.0116	mg/L	2:55:07 PM
1	Ba 233.527†	-24.4	11.6	0.0002	mg/L	0.0002	mg/L	2:55:07 PM
1	Cd 228.802†	80.3	11.5	0.0004	mg/L	0.0004	mg/L	2:55:07 PM
1	Co 228.616†	-170.5	6.6	0.0002	mg/L	0.0002	mg/L	2:55:07 PM
1	Cr 267.716†	155.5	-4.1	-0.0001	mg/L	-0.0001	mg/L	2:55:07 PM
1	Cu 327.393†	-90.0	41.5	0.0003	mg/L	0.0003	mg/L	2:54:47 PM
1	Mo 202.031†	42.2	15.2	0.0009	mg/L	0.0009	mg/L	2:55:07 PM
1	Ni 231.604†	71.4	4.8	0.0002	mg/L	0.0002	mg/L	2:55:07 PM
1	Pb 220.353†	45.7	3.1	0.0009	mg/L	0.0009	mg/L	2:55:07 PM
1	Sb 206.836†	21.6	-7.5	-0.0033	mg/L	-0.0033	mg/L	2:55:07 PM
1	Se 196.026†	28.0	12.0	0.0085	mg/L	0.0085	mg/L	2:55:07 PM
1	Sn 189.927†	-84.7	2.6	0.0005	mg/L	0.0005	mg/L	2:55:07 PM
1	Tl 351.924†	-7.3	6.8	0.0021	mg/L	0.0021	mg/L	2:55:07 PM
1	V 290.880†	936.0	-34.6	-0.0005	mg/L	-0.0005	mg/L	2:55:07 PM
1	Zn 206.200†	-151.9	8.2	0.0003	mg/L	0.0003	mg/L	2:55:07 PM
1	Zr 343.823†	187.9	43.4	0.0002	mg/L	0.0002	mg/L	2:54:47 PM
1	Ag 328.068†	112.7	183.3	0.0022	mg/L	0.0022	mg/L	2:56:31 PM
2	Y radial	267601.0	267601.0	97.2	%			2:53:37 PM
2	Al 396.153†	74.6	-9.2	-0.0016	mg/L	-0.0016	mg/L	2:53:37 PM
2	Be 313.107†	1138.7	21.8	0.0001	mg/L	0.0001	mg/L	2:53:57 PM
2	Ca 317.933†	1602.8	36.8	0.0034	mg/L	0.0034	mg/L	2:53:37 PM
2	Fe 238.204†	-0.4	3.9	0.0055	mg/L	0.0055	mg/L	2:53:57 PM
2	K 766.490†	362.9	141.4	0.0763	mg/L	0.0763	mg/L	2:53:37 PM
2	Mg 285.213†	260.0	8.0	0.0005	mg/L	0.0005	mg/L	2:53:57 PM
2	Mn 257.610†	-199.7	-13.6	-0.0006	mg/L	-0.0006	mg/L	2:53:57 PM
2	Na 589.592†	50.6	-87.3	-0.0081	mg/L	-0.0081	mg/L	2:53:37 PM
2	Ti 337.279†	-91.1	-13.4	-0.0004	mg/L	-0.0004	mg/L	2:53:37 PM
2	Y axial	3033735.8	3033735.8	99.8	%			2:55:09 PM
2	As 188.979†	-57.4	-1.1	-0.0008	mg/L	-0.0008	mg/L	2:55:31 PM
2	B 208.889†	152.3	90.4	0.0116	mg/L	0.0116	mg/L	2:55:31 PM
2	Ba 233.527†	-35.3	0.8	0.0000	mg/L	0.0000	mg/L	2:55:31 PM
2	Cd 228.802†	77.8	8.4	0.0003	mg/L	0.0003	mg/L	2:55:31 PM
2	Co 228.616†	-180.1	-1.7	-0.0001	mg/L	-0.0001	mg/L	2:55:31 PM
2	Cr 267.716†	173.3	12.5	0.0002	mg/L	0.0002	mg/L	2:55:31 PM
2	Cu 327.393†	-64.7	67.5	0.0005	mg/L	0.0005	mg/L	2:55:11 PM
2	Mo 202.031†	44.5	17.2	0.0010	mg/L	0.0010	mg/L	2:55:31 PM
2	Ni 231.604†	96.1	29.0	0.0012	mg/L	0.0012	mg/L	2:55:31 PM
2	Pb 220.353†	38.5	-4.5	-0.0013	mg/L	-0.0013	mg/L	2:55:31 PM
2	Sb 206.836†	21.0	-8.3	-0.0037	mg/L	-0.0037	mg/L	2:55:31 PM
2	Se 196.026†	16.9	0.7	0.0005	mg/L	0.0005	mg/L	2:55:31 PM
2	Sn 189.927†	-93.0	-5.1	-0.0010	mg/L	-0.0010	mg/L	2:55:31 PM
2	Tl 351.924†	-18.3	-4.1	-0.0012	mg/L	-0.0012	mg/L	2:55:31 PM
2	V 290.880†	940.4	-37.1	-0.0005	mg/L	-0.0005	mg/L	2:55:31 PM
2	Zn 206.200†	-137.6	23.7	0.0010	mg/L	0.0010	mg/L	2:55:31 PM
2	Zr 343.823†	118.5	-27.5	-0.0001	mg/L	-0.0001	mg/L	2:55:11 PM

2	Ag 328.068†	114.5	184.3	0.0022 mg/L	0.0022 mg/L	2:56:33 PM
3	Y radial	269512.6	269512.6	97.9 %		2:53:59 PM
3	Al 396.153†	23.3	-62.1	-0.0104 mg/L	-0.0104 mg/L	2:53:59 PM
3	Be 313.107†	1153.6	28.7	0.0001 mg/L	0.0001 mg/L	2:54:19 PM
3	Ca 317.933†	1543.3	-35.7	-0.0033 mg/L	-0.0033 mg/L	2:53:59 PM
3	Fe 238.204†	-0.4	3.9	0.0055 mg/L	0.0055 mg/L	2:54:19 PM
3	K 766.490†	260.9	34.5	0.0186 mg/L	0.0186 mg/L	2:53:59 PM
3	Mg 285.213†	258.2	4.3	0.0002 mg/L	0.0002 mg/L	2:54:19 PM
3	Mn 257.610†	-192.6	-4.8	-0.0002 mg/L	-0.0002 mg/L	2:54:19 PM
3	Na 589.592†	124.7	-12.0	-0.0011 mg/L	-0.0011 mg/L	2:53:59 PM
3	Ti 337.279†	-153.3	-76.2	-0.0021 mg/L	-0.0021 mg/L	2:53:59 PM
3	Y axial	3020220.9	3020220.9	99.4 %		2:55:33 PM
3	As 188.979†	-58.7	-2.7	-0.0020 mg/L	-0.0020 mg/L	2:55:55 PM
3	B 208.889†	155.5	94.3	0.0121 mg/L	0.0121 mg/L	2:55:55 PM
3	Ba 233.527†	-31.5	4.5	0.0001 mg/L	0.0001 mg/L	2:55:55 PM
3	Cd 228.802†	84.2	15.2	0.0006 mg/L	0.0006 mg/L	2:55:55 PM
3	Co 228.616†	-165.9	11.7	0.0004 mg/L	0.0004 mg/L	2:55:55 PM
3	Cr 267.716†	181.0	21.1	0.0004 mg/L	0.0004 mg/L	2:55:55 PM
3	Cu 327.393†	-54.8	77.2	0.0005 mg/L	0.0005 mg/L	2:55:35 PM
3	Mo 202.031†	37.3	10.2	0.0006 mg/L	0.0006 mg/L	2:55:55 PM
3	Ni 231.604†	86.3	19.6	0.0008 mg/L	0.0008 mg/L	2:55:55 PM
3	Pb 220.353†	40.0	-2.8	-0.0008 mg/L	-0.0008 mg/L	2:55:55 PM
3	Sb 206.836†	34.6	5.5	0.0024 mg/L	0.0024 mg/L	2:55:55 PM
3	Se 196.026†	10.4	-5.7	-0.0041 mg/L	-0.0041 mg/L	2:55:55 PM
3	Sn 189.927†	-91.2	-3.7	-0.0007 mg/L	-0.0007 mg/L	2:55:55 PM
3	Tl 351.924†	6.3	20.5	0.0062 mg/L	0.0062 mg/L	2:55:55 PM
3	V 290.880†	959.7	-13.5	-0.0002 mg/L	-0.0002 mg/L	2:55:55 PM
3	Zn 206.200†	-145.0	15.5	0.0006 mg/L	0.0006 mg/L	2:55:55 PM
3	Zr 343.823†	198.4	53.4	0.0002 mg/L	0.0002 mg/L	2:55:35 PM
3	Ag 328.068†	161.1	231.7	0.0028 mg/L	0.0028 mg/L	2:56:35 PM
4	Y radial	268597.3	268597.3	97.6 %		2:54:21 PM
4	Al 396.153†	93.3	9.7	0.0016 mg/L	0.0016 mg/L	2:54:21 PM
4	Be 313.107†	1157.3	36.5	0.0001 mg/L	0.0001 mg/L	2:54:41 PM
4	Ca 317.933†	1595.8	23.5	0.0022 mg/L	0.0022 mg/L	2:54:21 PM
4	Fe 238.204†	-1.6	2.7	0.0037 mg/L	0.0037 mg/L	2:54:41 PM
4	K 766.490†	264.5	39.1	0.0211 mg/L	0.0211 mg/L	2:54:21 PM
4	Mg 285.213†	256.4	3.4	0.0002 mg/L	0.0002 mg/L	2:54:41 PM
4	Mn 257.610†	-193.9	-6.8	-0.0003 mg/L	-0.0003 mg/L	2:54:41 PM
4	Na 589.592†	152.5	16.9	0.0016 mg/L	0.0016 mg/L	2:54:21 PM
4	Ti 337.279†	-172.4	-96.3	-0.0027 mg/L	-0.0027 mg/L	2:54:21 PM
4	Y axial	3016055.6	3016055.6	99.3 %		2:55:57 PM
4	As 188.979†	-57.0	-1.0	-0.0007 mg/L	-0.0007 mg/L	2:56:19 PM
4	B 208.889†	140.6	79.5	0.0102 mg/L	0.0102 mg/L	2:56:19 PM
4	Ba 233.527†	-32.5	3.5	0.0001 mg/L	0.0001 mg/L	2:56:19 PM
4	Cd 228.802†	80.1	11.1	0.0004 mg/L	0.0004 mg/L	2:56:19 PM
4	Co 228.616†	-168.2	9.2	0.0003 mg/L	0.0003 mg/L	2:56:19 PM
4	Cr 267.716†	176.7	17.0	0.0003 mg/L	0.0003 mg/L	2:56:19 PM
4	Cu 327.393†	-238.7	-108.1	-0.0007 mg/L	-0.0007 mg/L	2:55:59 PM
4	Mo 202.031†	39.6	12.6	0.0007 mg/L	0.0007 mg/L	2:56:19 PM
4	Ni 231.604†	81.7	15.1	0.0006 mg/L	0.0006 mg/L	2:56:19 PM
4	Pb 220.353†	41.2	-1.6	-0.0005 mg/L	-0.0005 mg/L	2:56:19 PM
4	Sb 206.836†	30.3	1.1	0.0005 mg/L	0.0005 mg/L	2:56:19 PM
4	Se 196.026†	13.7	-2.4	-0.0017 mg/L	-0.0017 mg/L	2:56:19 PM
4	Sn 189.927†	-89.2	-1.9	-0.0004 mg/L	-0.0004 mg/L	2:56:19 PM
4	Tl 351.924†	-15.6	-1.5	-0.0004 mg/L	-0.0004 mg/L	2:56:19 PM
4	V 290.880†	967.4	-4.5	-0.0001 mg/L	-0.0001 mg/L	2:56:19 PM
4	Zn 206.200†	-144.3	16.1	0.0007 mg/L	0.0007 mg/L	2:56:19 PM
4	Zr 343.823†	182.5	37.7	0.0001 mg/L	0.0001 mg/L	2:55:59 PM
4	Ag 328.068†	111.0	181.5	0.0022 mg/L	0.0022 mg/L	2:56:37 PM

Mean Data: SEQ-ICB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	268148.6	97.4	%	0.42				0.43%
Y axial	3020349.7	99.4	%	0.32				0.32%
Ag 328.068†	195.2	0.0023	mg/L	0.00029	0.0023	mg/L	0.00029	12.49%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-17.9	-0.0030	mg/L	0.00515	-0.0030	mg/L	0.00515	169.68%
QC value within limits for Al 396.153 Recovery = Not calculated								

As 188.979†	-1.2	-0.0009 mg/L	0.00082	-0.0009 mg/L	0.00082	91.62%
QC value within limits for As 188.979 Recovery = Not calculated						
B 208.889†	88.7	0.0114 mg/L	0.00082	0.0114 mg/L	0.00082	7.22%
QC value within limits for B 208.889 Recovery = Not calculated						
Ba 233.527†	5.1	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	90.18%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	37.2	0.0001 mg/L	0.00006	0.0001 mg/L	0.00006	46.38%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	13.0	0.0012 mg/L	0.00306	0.0012 mg/L	0.00306	253.65%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 228.802†	11.5	0.0004 mg/L	0.00011	0.0004 mg/L	0.00011	25.18%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	6.4	0.0002 mg/L	0.00021	0.0002 mg/L	0.00021	89.69%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	11.6	0.0002 mg/L	0.00020	0.0002 mg/L	0.00020	95.02%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	19.5	0.0001 mg/L	0.00058	0.0001 mg/L	0.00058	439.84%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	2.4	0.0034 mg/L	0.00312	0.0034 mg/L	0.00312	91.26%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	72.3	0.0390 mg/L	0.02662	0.0390 mg/L	0.02662	68.25%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	9.4	0.0005 mg/L	0.00049	0.0005 mg/L	0.00049	91.44%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	-8.8	-0.0004 mg/L	0.00017	-0.0004 mg/L	0.00017	43.59%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	13.8	0.0008 mg/L	0.00018	0.0008 mg/L	0.00018	22.29%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-18.2	-0.0017 mg/L	0.00440	-0.0017 mg/L	0.00440	262.03%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	17.1	0.0007 mg/L	0.00041	0.0007 mg/L	0.00041	58.93%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-1.4	-0.0004 mg/L	0.00095	-0.0004 mg/L	0.00095	225.13%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-2.3	-0.0010 mg/L	0.00296	-0.0010 mg/L	0.00296	292.68%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.1	0.0008 mg/L	0.00544	0.0008 mg/L	0.00544	673.84%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-2.0	-0.0004 mg/L	0.00063	-0.0004 mg/L	0.00063	158.49%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	-72.1	-0.0020 mg/L	0.00113	-0.0020 mg/L	0.00113	56.49%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	5.4	0.0016 mg/L	0.00333	0.0016 mg/L	0.00333	202.63%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	-22.4	-0.0003 mg/L	0.00021	-0.0003 mg/L	0.00021	71.92%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	15.9	0.0006 mg/L	0.00026	0.0006 mg/L	0.00026	39.81%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	26.8	0.0001 mg/L	0.00014	0.0001 mg/L	0.00014	137.36%

All analyte(s) passed QC.

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Sequence No.: 4 **Autosampler Location: 10**
Sample ID: SEQ-LCV@ 2202321 **Date Collected: 4/17/2022 2:58:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Replicate Data: SEQ-LCV@ 2202321

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y radial	272369.4	272369.4	98.9	%			2:59:56 PM
1	Al 396.153†	348.2	266.0	0.0419	mg/L	0.0419	mg/L	2:59:56 PM
1	Be 313.107†	2417.8	1294.0	0.0044	mg/L	0.0044	mg/L	2:59:56 PM
1	Ca 317.933†	7242.8	5708.2	0.5313	mg/L	0.5313	mg/L	2:59:56 PM
1	Fe 238.204†	33.5	38.2	0.0540	mg/L	0.0540	mg/L	3:00:16 PM
1	K 766.490†	3953.8	3764.1	2.030	mg/L	2.030	mg/L	2:59:56 PM
1	Mg 285.213†	1180.1	933.3	0.0530	mg/L	0.0530	mg/L	3:00:16 PM

1	Mn 257.610†	45.8	238.2	0.0106 mg/L	0.0106 mg/L	3:00:16 PM
1	Na 589.592†	21938.0	22032.9	2.032 mg/L	2.032 mg/L	2:59:56 PM
1	Ti 337.279†	580.2	666.7	0.0185 mg/L	0.0185 mg/L	2:59:56 PM
1	Y axial	3067967.6	3067967.6	101 %		3:01:26 PM
1	As 188.979†	-42.1	14.7	0.0110 mg/L	0.0110 mg/L	3:01:48 PM
1	B 208.889†	900.1	829.4	0.1039 mg/L	0.1039 mg/L	3:01:48 PM
1	Ba 233.527†	3060.5	3067.5	0.0521 mg/L	0.0521 mg/L	3:01:48 PM
1	Cd 228.802†	192.9	121.5	0.0045 mg/L	0.0045 mg/L	3:01:48 PM
1	Co 228.616†	135.5	312.8	0.0109 mg/L	0.0109 mg/L	3:01:48 PM
1	Cr 267.716†	743.7	575.6	0.0103 mg/L	0.0103 mg/L	3:01:48 PM
1	Cu 327.393†	1531.9	1649.6	0.0112 mg/L	0.0112 mg/L	3:01:28 PM
1	Mo 202.031†	940.4	904.1	0.0534 mg/L	0.0534 mg/L	3:01:48 PM
1	Ni 231.604†	348.5	278.0	0.0112 mg/L	0.0112 mg/L	3:01:48 PM
1	Pb 220.353†	71.6	27.9	0.0083 mg/L	0.0083 mg/L	3:01:48 PM
1	Sb 206.836†	134.1	103.4	0.0458 mg/L	0.0458 mg/L	3:01:48 PM
1	Se 196.026†	88.9	71.8	0.0508 mg/L	0.0508 mg/L	3:01:48 PM
1	Sn 189.927†	464.8	548.4	0.1038 mg/L	0.1038 mg/L	3:01:48 PM
1	Tl 351.924†	138.8	151.7	0.0455 mg/L	0.0455 mg/L	3:01:28 PM
1	V 290.880†	1706.0	710.6	0.0098 mg/L	0.0098 mg/L	3:01:28 PM
1	Zn 206.200†	146.7	306.8	0.0124 mg/L	0.0124 mg/L	3:01:48 PM
1	Zr 343.823†	328.3	179.0	0.0007 mg/L	0.0007 mg/L	3:01:28 PM
1	Ag 328.068†	916.9	977.8	0.0118 mg/L	0.0118 mg/L	3:03:12 PM
2	Y radial	279098.7	279098.7	101 %		3:00:19 PM
2	Al 396.153†	342.0	251.4	0.0394 mg/L	0.0394 mg/L	3:00:19 PM
2	Be 313.107†	2403.8	1221.3	0.0041 mg/L	0.0041 mg/L	3:00:19 PM
2	Ca 317.933†	7372.7	5659.8	0.5268 mg/L	0.5268 mg/L	3:00:19 PM
2	Fe 238.204†	40.3	44.0	0.0623 mg/L	0.0623 mg/L	3:00:39 PM
2	K 766.490†	3941.5	3655.6	1.972 mg/L	1.972 mg/L	3:00:19 PM
2	Mg 285.213†	1166.5	891.1	0.0506 mg/L	0.0506 mg/L	3:00:39 PM
2	Mn 257.610†	21.5	213.1	0.0095 mg/L	0.0095 mg/L	3:00:39 PM
2	Na 589.592†	22139.1	21696.7	2.001 mg/L	2.001 mg/L	3:00:19 PM
2	Ti 337.279†	605.9	678.0	0.0188 mg/L	0.0188 mg/L	3:00:19 PM
2	Y axial	3051943.6	3051943.6	100 %		3:01:50 PM
2	As 188.979†	-41.0	15.6	0.0117 mg/L	0.0117 mg/L	3:02:12 PM
2	B 208.889†	907.5	841.4	0.1054 mg/L	0.1054 mg/L	3:02:12 PM
2	Ba 233.527†	3085.5	3108.3	0.0528 mg/L	0.0528 mg/L	3:02:12 PM
2	Cd 228.802†	192.1	121.7	0.0045 mg/L	0.0045 mg/L	3:02:12 PM
2	Co 228.616†	136.8	314.9	0.0110 mg/L	0.0110 mg/L	3:02:12 PM
2	Cr 267.716†	744.3	580.0	0.0104 mg/L	0.0104 mg/L	3:02:12 PM
2	Cu 327.393†	1459.8	1585.8	0.0107 mg/L	0.0107 mg/L	3:01:52 PM
2	Mo 202.031†	945.1	913.7	0.0539 mg/L	0.0539 mg/L	3:02:12 PM
2	Ni 231.604†	353.8	285.0	0.0115 mg/L	0.0115 mg/L	3:02:12 PM
2	Pb 220.353†	77.5	34.1	0.0101 mg/L	0.0101 mg/L	3:02:12 PM
2	Sb 206.836†	137.3	107.4	0.0476 mg/L	0.0476 mg/L	3:02:12 PM
2	Se 196.026†	90.4	73.8	0.0522 mg/L	0.0522 mg/L	3:02:12 PM
2	Sn 189.927†	471.2	557.1	0.1055 mg/L	0.1055 mg/L	3:02:12 PM
2	Tl 351.924†	146.2	159.8	0.0479 mg/L	0.0479 mg/L	3:01:52 PM
2	V 290.880†	1811.1	824.1	0.0114 mg/L	0.0114 mg/L	3:01:52 PM
2	Zn 206.200†	152.3	313.1	0.0127 mg/L	0.0127 mg/L	3:02:12 PM
2	Zr 343.823†	335.0	187.4	0.0007 mg/L	0.0007 mg/L	3:01:52 PM
2	Ag 328.068†	871.8	937.6	0.0113 mg/L	0.0113 mg/L	3:03:14 PM
3	Y radial	265499.7	265499.7	96.4 %		3:00:41 PM
3	Al 396.153†	392.1	320.6	0.0510 mg/L	0.0510 mg/L	3:00:41 PM
3	Be 313.107†	2344.6	1281.3	0.0043 mg/L	0.0043 mg/L	3:00:41 PM
3	Ca 317.933†	7045.6	5693.0	0.5299 mg/L	0.5299 mg/L	3:00:41 PM
3	Fe 238.204†	35.3	40.9	0.0578 mg/L	0.0578 mg/L	3:01:01 PM
3	K 766.490†	3878.1	3789.0	2.044 mg/L	2.044 mg/L	3:00:41 PM
3	Mg 285.213†	1171.1	954.8	0.0542 mg/L	0.0542 mg/L	3:01:01 PM
3	Mn 257.610†	44.4	237.9	0.0106 mg/L	0.0106 mg/L	3:01:01 PM
3	Na 589.592†	21253.0	21896.4	2.019 mg/L	2.019 mg/L	3:00:41 PM
3	Ti 337.279†	616.9	720.0	0.0200 mg/L	0.0200 mg/L	3:00:41 PM
3	Y axial	3068388.5	3068388.5	101 %		3:02:15 PM
3	As 188.979†	-36.7	20.0	0.0150 mg/L	0.0150 mg/L	3:02:37 PM
3	B 208.889†	905.9	834.9	0.1046 mg/L	0.1046 mg/L	3:02:37 PM
3	Ba 233.527†	3078.7	3085.1	0.0524 mg/L	0.0524 mg/L	3:02:37 PM
3	Cd 228.802†	196.9	125.4	0.0046 mg/L	0.0046 mg/L	3:02:37 PM
3	Co 228.616†	138.9	316.2	0.0110 mg/L	0.0110 mg/L	3:02:37 PM
3	Cr 267.716†	762.3	593.8	0.0106 mg/L	0.0106 mg/L	3:02:37 PM
3	Cu 327.393†	1421.1	1539.6	0.0104 mg/L	0.0104 mg/L	3:02:17 PM
3	Mo 202.031†	944.0	907.6	0.0536 mg/L	0.0536 mg/L	3:02:37 PM

3	Ni 231.604†	346.2	275.7	0.0111 mg/L	0.0111 mg/L	3:02:37 PM
3	Pb 220.353†	73.6	29.8	0.0088 mg/L	0.0088 mg/L	3:02:37 PM
3	Sb 206.836†	135.4	104.7	0.0464 mg/L	0.0464 mg/L	3:02:37 PM
3	Se 196.026†	89.2	72.1	0.0510 mg/L	0.0510 mg/L	3:02:37 PM
3	Sn 189.927†	454.6	538.2	0.1019 mg/L	0.1019 mg/L	3:02:37 PM
3	Tl 351.924†	118.0	131.1	0.0393 mg/L	0.0393 mg/L	3:02:17 PM
3	V 290.880†	1729.8	734.0	0.0101 mg/L	0.0101 mg/L	3:02:17 PM
3	Zn 206.200†	141.6	301.8	0.0122 mg/L	0.0122 mg/L	3:02:37 PM
3	Zr 343.823†	321.8	172.6	0.0007 mg/L	0.0007 mg/L	3:02:17 PM
3	Ag 328.068†	920.3	981.0	0.0118 mg/L	0.0118 mg/L	3:03:17 PM
4	Y radial	270007.5	270007.5	98.1 %		3:01:03 PM
4	Al 396.153†	399.3	321.1	0.0510 mg/L	0.0510 mg/L	3:01:03 PM
4	Be 313.107†	2377.0	1273.8	0.0043 mg/L	0.0043 mg/L	3:01:03 PM
4	Ca 317.933†	7099.0	5625.6	0.5236 mg/L	0.5236 mg/L	3:01:03 PM
4	Fe 238.204†	38.0	43.0	0.0608 mg/L	0.0608 mg/L	3:01:23 PM
4	K 766.490†	3839.7	3682.7	1.987 mg/L	1.987 mg/L	3:01:03 PM
4	Mg 285.213†	1181.7	945.3	0.0537 mg/L	0.0537 mg/L	3:01:23 PM
4	Mn 257.610†	49.4	242.2	0.0108 mg/L	0.0108 mg/L	3:01:23 PM
4	Na 589.592†	21737.2	22022.2	2.031 mg/L	2.031 mg/L	3:01:03 PM
4	Ti 337.279†	587.6	679.4	0.0189 mg/L	0.0189 mg/L	3:01:03 PM
4	Y axial	3030756.5	3030756.5	99.7 %		3:02:39 PM
4	As 188.979†	-46.7	9.6	0.0072 mg/L	0.0072 mg/L	3:03:01 PM
4	B 208.889†	912.1	852.3	0.1068 mg/L	0.1068 mg/L	3:03:01 PM
4	Ba 233.527†	3067.6	3111.9	0.0529 mg/L	0.0529 mg/L	3:03:01 PM
4	Cd 228.802†	195.6	126.6	0.0047 mg/L	0.0047 mg/L	3:03:01 PM
4	Co 228.616†	129.1	308.1	0.0107 mg/L	0.0107 mg/L	3:03:01 PM
4	Cr 267.716†	763.2	604.2	0.0108 mg/L	0.0108 mg/L	3:03:01 PM
4	Cu 327.393†	1437.2	1573.2	0.0107 mg/L	0.0107 mg/L	3:02:41 PM
4	Mo 202.031†	949.2	924.3	0.0546 mg/L	0.0546 mg/L	3:03:01 PM
4	Ni 231.604†	352.3	286.0	0.0115 mg/L	0.0115 mg/L	3:03:01 PM
4	Pb 220.353†	83.8	41.0	0.0121 mg/L	0.0121 mg/L	3:03:01 PM
4	Sb 206.836†	133.5	104.5	0.0463 mg/L	0.0463 mg/L	3:03:01 PM
4	Se 196.026†	98.6	82.6	0.0584 mg/L	0.0584 mg/L	3:03:01 PM
4	Sn 189.927†	472.7	562.0	0.1064 mg/L	0.1064 mg/L	3:03:01 PM
4	Tl 351.924†	196.2	210.9	0.0633 mg/L	0.0633 mg/L	3:02:41 PM
4	V 290.880†	1757.0	782.4	0.0108 mg/L	0.0108 mg/L	3:02:41 PM
4	Zn 206.200†	148.9	310.8	0.0126 mg/L	0.0126 mg/L	3:03:01 PM
4	Zr 343.823†	303.1	157.7	0.0006 mg/L	0.0006 mg/L	3:02:41 PM
4	Ag 328.068†	955.2	1027.3	0.0124 mg/L	0.0124 mg/L	3:03:19 PM

Mean Data: SEQ-LCV@ 2202321

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	271743.8	98.7	%	2.06				2.09%
Y axial	3054764.1	101	%	0.58				0.58%
Ag 328.068†	980.9	0.0118	mg/L	0.00044	0.0118	mg/L	0.00044	3.73%
QC value within limits for Ag 328.068 Recovery = 118.04%								
Al 396.153†	289.8	0.0458	mg/L	0.00607	0.0458	mg/L	0.00607	13.25%
QC value within limits for Al 396.153 Recovery = 91.67%								
As 188.979†	15.0	0.0112	mg/L	0.00321	0.0112	mg/L	0.00321	28.57%
QC value within limits for As 188.979 Recovery = 112.38%								
B 208.889†	839.5	0.1052	mg/L	0.00124	0.1052	mg/L	0.00124	1.18%
QC value within limits for B 208.889 Recovery = 105.15%								
Ba 233.527†	3093.2	0.0526	mg/L	0.00035	0.0526	mg/L	0.00035	0.67%
QC value within limits for Ba 233.527 Recovery = 105.15%								
Be 313.107†	1267.6	0.0043	mg/L	0.00011	0.0043	mg/L	0.00011	2.65%
QC value within limits for Be 313.107 Recovery = 107.06%								
Ca 317.933†	5671.6	0.5279	mg/L	0.00342	0.5279	mg/L	0.00342	0.65%
QC value within limits for Ca 317.933 Recovery = 105.59%								
Cd 228.802†	123.8	0.0046	mg/L	0.00011	0.0046	mg/L	0.00011	2.45%
QC value within limits for Cd 228.802 Recovery = 113.93%								
Co 228.616†	313.0	0.0109	mg/L	0.00012	0.0109	mg/L	0.00012	1.13%
QC value within limits for Co 228.616 Recovery = 109.02%								
Cr 267.716†	588.4	0.0105	mg/L	0.00023	0.0105	mg/L	0.00023	2.22%
QC value within limits for Cr 267.716 Recovery = 105.17%								
Cu 327.393†	1587.1	0.0108	mg/L	0.00031	0.0108	mg/L	0.00031	2.88%
QC value within limits for Cu 327.393 Recovery = 107.53%								
Fe 238.204†	41.5	0.0587	mg/L	0.00366	0.0587	mg/L	0.00366	6.23%
QC value within limits for Fe 238.204 Recovery = 117.44%								

K 766.490†	3722.8	2.008 mg/L	0.0344	2.008 mg/L	0.0344	1.71%
QC value within limits for K 766.490 Recovery = 100.41%						
Mg 285.213†	931.1	0.0529 mg/L	0.00160	0.0529 mg/L	0.00160	3.02%
QC value within limits for Mg 285.213 Recovery = 105.80%						
Mn 257.610†	232.9	0.0104 mg/L	0.00059	0.0104 mg/L	0.00059	5.69%
QC value within limits for Mn 257.610 Recovery = 103.74%						
Mo 202.031†	912.4	0.0539 mg/L	0.00052	0.0539 mg/L	0.00052	0.97%
QC value within limits for Mo 202.031 Recovery = 107.75%						
Na 589.592†	21912.0	2.021 mg/L	0.0144	2.021 mg/L	0.0144	0.71%
QC value within limits for Na 589.592 Recovery = 101.03%						
Ni 231.604†	281.2	0.0113 mg/L	0.00020	0.0113 mg/L	0.00020	1.80%
QC value within limits for Ni 231.604 Recovery = 113.32%						
Pb 220.353†	33.2	0.0098 mg/L	0.00170	0.0098 mg/L	0.00170	17.30%
QC value within limits for Pb 220.353 Recovery = 98.28%						
Sb 206.836†	105.0	0.0465 mg/L	0.00075	0.0465 mg/L	0.00075	1.60%
QC value within limits for Sb 206.836 Recovery = 93.06%						
Se 196.026†	75.1	0.0531 mg/L	0.00360	0.0531 mg/L	0.00360	6.78%
QC value within limits for Se 196.026 Recovery = 106.24%						
Sn 189.927†	551.4	0.1044 mg/L	0.00197	0.1044 mg/L	0.00197	1.89%
QC value within limits for Sn 189.927 Recovery = 104.39%						
Ti 337.279†	686.0	0.0191 mg/L	0.00065	0.0191 mg/L	0.00065	3.40%
QC value within limits for Ti 337.279 Recovery = 95.26%						
Tl 351.924†	163.4	0.0490 mg/L	0.01020	0.0490 mg/L	0.01020	20.80%
QC value within limits for Tl 351.924 Recovery = 98.05%						
V 290.880†	762.8	0.0105 mg/L	0.00068	0.0105 mg/L	0.00068	6.49%
QC value within limits for V 290.880 Recovery = 105.36%						
Zn 206.200†	308.1	0.0124 mg/L	0.00020	0.0124 mg/L	0.00020	1.63%
QC value greater than the upper limit for Zn 206.200 Recovery = 124.50% Run single standard						
Zr 343.823†	174.2	0.0007 mg/L	0.00005	0.0007 mg/L	0.00005	7.22%

QC Failed. Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 4/17/2022 3:06:50 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/17/2022 2:37:19 PM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Sequence No.: 8 **Autosampler Location: 13**
Sample ID: SEQ-LCV@RR **Date Collected: 4/17/2022 3:06:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-LCV@RR

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	272494.4	99.0	%	1.10				1.11%
Y axial	3055371.5	101	%	0.25				0.25%
Ag 328.068†	550.3	0.0066	mg/L	0.00013	0.0066	mg/L	0.00013	2.00%
Al 396.153†	17.8	0.0024	mg/L	0.00061	0.0024	mg/L	0.00061	25.97%
As 188.979†	14.4	0.0108	mg/L	0.00091	0.0108	mg/L	0.00091	8.47%
B 208.889†	137.1	0.0171	mg/L	0.00017	0.0171	mg/L	0.00017	0.99%
Ba 233.527†	600.8	0.0102	mg/L	0.00005	0.0102	mg/L	0.00005	0.52%
Be 313.107†	2963.7	0.0101	mg/L	0.00013	0.0101	mg/L	0.00013	1.33%
Ca 317.933†	85.1	0.0079	mg/L	0.00191	0.0079	mg/L	0.00191	24.05%
Cd 228.802†	268.3	0.0100	mg/L	0.00025	0.0100	mg/L	0.00025	2.55%
Co 228.616†	296.3	0.0103	mg/L	0.00014	0.0103	mg/L	0.00014	1.38%
Cr 267.716†	567.2	0.0101	mg/L	0.00023	0.0101	mg/L	0.00023	2.26%
Cu 327.393†	1440.6	0.0098	mg/L	0.00007	0.0098	mg/L	0.00007	0.69%
Fe 238.204†	9.7	0.0137	mg/L	0.00373	0.0137	mg/L	0.00373	27.31%
K 766.490†	45.9	0.0248	mg/L	0.01215	0.0248	mg/L	0.01215	49.07%
Mg 285.213†	199.5	0.0112	mg/L	0.00062	0.0112	mg/L	0.00062	5.55%
Mn 257.610†	214.1	0.0095	mg/L	0.00009	0.0095	mg/L	0.00009	0.97%
Mo 202.031†	178.4	0.0105	mg/L	0.00030	0.0105	mg/L	0.00030	2.80%
Na 589.592†	66.2	0.0061	mg/L	0.00229	0.0061	mg/L	0.00229	37.44%
Ni 231.604†	267.0	0.0108	mg/L	0.00045	0.0108	mg/L	0.00045	4.21%
Pb 220.353†	28.7	0.0084	mg/L	0.00068	0.0084	mg/L	0.00068	8.13%
Sb 206.836†	23.9	0.0104	mg/L	0.00162	0.0104	mg/L	0.00162	15.51%
Se 196.026†	16.9	0.0120	mg/L	0.00388	0.0120	mg/L	0.00388	32.38%
Sn 189.927†	54.7	0.0104	mg/L	0.00074	0.0104	mg/L	0.00074	7.10%
Ti 337.279†	320.1	0.0089	mg/L	0.00134	0.0089	mg/L	0.00134	15.11%
Tl 351.924†	10.5	0.0031	mg/L	0.00304	0.0031	mg/L	0.00304	98.47%
V 290.880†	705.7	0.0096	mg/L	0.00028	0.0096	mg/L	0.00028	2.96%
Zn 206.200†	241.0	0.0097	mg/L	0.00039	0.0097	mg/L	0.00039	4.00%
QC value within limits for Zn 206.200 Recovery = 97.40%								
Zr 343.823†	2382.0	0.0092	mg/L	0.00003	0.0092	mg/L	0.00003	0.27%

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 4/17/2022 3:11:37 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

Sequence No.: 5
Sample ID: SEQ-CCV@ 2112026
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample):

Autosampler Location: 5
Date Collected: 4/17/2022 3:11:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	264136.9	96.0	%	0.29				0.31%
Y axial	2774870.2	91.3	%	3.03				3.32%
Ag 328.068†	217753.7	2.605	mg/L	0.0995	2.605	mg/L	0.0995	3.82%
QC value within limits for Ag 328.068 Recovery = 104.18%								
Al 396.153†	58707.4	9.497	mg/L	0.0192	9.497	mg/L	0.0192	0.20%
QC value within limits for Al 396.153 Recovery = 94.97%								
As 188.979†	6939.9	5.212	mg/L	0.1638	5.212	mg/L	0.1638	3.14%
QC value within limits for As 188.979 Recovery = 104.24%								
B 208.889†	40763.9	4.973	mg/L	0.1532	4.973	mg/L	0.1532	3.08%
QC value within limits for B 208.889 Recovery = 99.46%								
Ba 233.527†	310786.1	5.285	mg/L	0.1732	5.285	mg/L	0.1732	3.28%
QC value within limits for Ba 233.527 Recovery = 105.71%								
Be 313.107†	1523122.8	5.192	mg/L	0.0159	5.192	mg/L	0.0159	0.31%
QC value within limits for Be 313.107 Recovery = 103.83%								
Ca 317.933†	107153.6	9.974	mg/L	0.0157	9.974	mg/L	0.0157	0.16%
QC value within limits for Ca 317.933 Recovery = 99.74%								
Cd 228.802†	139413.7	5.194	mg/L	0.1664	5.194	mg/L	0.1664	3.20%
QC value within limits for Cd 228.802 Recovery = 103.87%								
Co 228.616†	151647.9	5.288	mg/L	0.1683	5.288	mg/L	0.1683	3.18%
QC value within limits for Co 228.616 Recovery = 105.76%								
Cr 267.716†	295651.8	5.282	mg/L	0.1744	5.282	mg/L	0.1744	3.30%
QC value within limits for Cr 267.716 Recovery = 105.63%								
Cu 327.393†	771236.5	5.229	mg/L	0.1733	5.229	mg/L	0.1733	3.31%
QC value within limits for Cu 327.393 Recovery = 104.59%								
Fe 238.204†	3506.9	4.966	mg/L	0.0955	4.966	mg/L	0.0955	1.92%
QC value within limits for Fe 238.204 Recovery = 99.31%								
K 766.490†	18133.1	9.781	mg/L	0.1789	9.781	mg/L	0.1789	1.83%
QC value within limits for K 766.490 Recovery = 97.81%								
Mg 285.213†	176846.2	9.949	mg/L	0.0147	9.949	mg/L	0.0147	0.15%
QC value within limits for Mg 285.213 Recovery = 99.49%								
Mn 257.610†	112883.0	5.008	mg/L	0.0052	5.008	mg/L	0.0052	0.10%
QC value within limits for Mn 257.610 Recovery = 100.16%								
Mo 202.031†	89593.0	5.290	mg/L	0.1732	5.290	mg/L	0.1732	3.27%
QC value within limits for Mo 202.031 Recovery = 105.80%								
Na 589.592†	107857.8	9.946	mg/L	0.0211	9.946	mg/L	0.0211	0.21%
QC value within limits for Na 589.592 Recovery = 99.46%								
Ni 231.604†	131356.6	5.296	mg/L	0.1727	5.296	mg/L	0.1727	3.26%
QC value within limits for Ni 231.604 Recovery = 105.91%								
Pb 220.353†	18177.0	5.333	mg/L	0.1867	5.333	mg/L	0.1867	3.50%
QC value within limits for Pb 220.353 Recovery = 106.67%								
Sb 206.836†	11818.0	5.162	mg/L	0.1729	5.162	mg/L	0.1729	3.35%
QC value within limits for Sb 206.836 Recovery = 103.23%								
Se 196.026†	7491.2	5.308	mg/L	0.1275	5.308	mg/L	0.1275	2.40%
QC value within limits for Se 196.026 Recovery = 106.15%								
Sn 189.927†	28020.5	5.322	mg/L	0.1806	5.322	mg/L	0.1806	3.39%
QC value within limits for Sn 189.927 Recovery = 106.44%								
Ti 337.279†	179788.4	4.988	mg/L	0.0005	4.988	mg/L	0.0005	0.01%
QC value within limits for Ti 337.279 Recovery = 99.76%								
Tl 351.924†	9004.1	2.671	mg/L	0.0991	2.671	mg/L	0.0991	3.71%
QC value within limits for Tl 351.924 Recovery = 106.84%								
V 290.880†	389958.4	5.277	mg/L	0.1756	5.277	mg/L	0.1756	3.33%
QC value within limits for V 290.880 Recovery = 105.55%								
Zn 206.200†	128595.3	5.198	mg/L	0.1729	5.198	mg/L	0.1729	3.33%
QC value within limits for Zn 206.200 Recovery = 103.96%								
Zr 343.823†	1349971.4	5.204	mg/L	0.1783	5.204	mg/L	0.1783	3.43%

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/17/2022 3:17:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	253288.8	92.0	%	0.22				0.24%
Y axial	2659176.4	87.5	%	0.36				0.41%
Ag 328.068†	760.0	0.0091	mg/L	0.00062	0.0091	mg/L	0.00062	6.76%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1476109.4	246.7	mg/L	0.06	246.7	mg/L	0.06	0.02%
QC value within limits for Al 396.153 Recovery = 98.67%								
As 188.979†	-58.2	-0.0029	mg/L	0.00599	-0.0029	mg/L	0.00599	208.39%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	143.9	0.0194	mg/L	0.00138	0.0194	mg/L	0.00138	7.10%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	181.5	0.0031	mg/L	0.00005	0.0031	mg/L	0.00005	1.65%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	161.7	0.0005	mg/L	0.00004	0.0005	mg/L	0.00004	7.97%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	2635059.7	245.3	mg/L	0.11	245.3	mg/L	0.11	0.04%
QC value within limits for Ca 317.933 Recovery = 98.11%								
Cd 228.802†	31.5	0.0031	mg/L	0.00032	0.0031	mg/L	0.00032	10.22%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	21.4	0.0007	mg/L	0.00042	0.0007	mg/L	0.00042	56.44%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-83.2	0.0039	mg/L	0.00013	0.0039	mg/L	0.00013	3.34%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-713.0	-0.0048	mg/L	0.00009	-0.0048	mg/L	0.00009	1.86%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	66299.0	93.65	mg/L	0.132	93.65	mg/L	0.132	0.14%
QC value within limits for Fe 238.204 Recovery = 93.65%								
K 766.490†	58.2	0.0314	mg/L	0.00300	0.0314	mg/L	0.00300	9.54%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4055742.2	230.4	mg/L	0.21	230.4	mg/L	0.21	0.09%
QC value within limits for Mg 285.213 Recovery = 92.15%								
Mn 257.610†	-220.6	-0.0047	mg/L	0.00027	-0.0047	mg/L	0.00027	5.82%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-308.9	-0.0182	mg/L	0.00083	-0.0182	mg/L	0.00083	4.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	329.6	0.0304	mg/L	0.00215	0.0304	mg/L	0.00215	7.06%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	32.7	0.0014	mg/L	0.00003	0.0014	mg/L	0.00003	2.44%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-64.2	0.0095	mg/L	0.00191	0.0095	mg/L	0.00191	20.25%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	47.6	0.0214	mg/L	0.00168	0.0214	mg/L	0.00168	7.85%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-112.6	-0.0011	mg/L	0.01054	-0.0011	mg/L	0.01054	963.03%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1377.3	0.1684	mg/L	0.00482	0.1684	mg/L	0.00482	2.86%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-20.2	-0.0006	mg/L	0.00015	-0.0006	mg/L	0.00015	26.61%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-194.8	-0.0067	mg/L	0.00276	-0.0067	mg/L	0.00276	41.33%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	691.1	-0.0021	mg/L	0.00071	-0.0021	mg/L	0.00071	33.46%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	52.0	0.0179	mg/L	0.00040	0.0179	mg/L	0.00040	2.23%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	988.4	0.0010	mg/L	0.00025	0.0010	mg/L	0.00025	23.76%

All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 12**

Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/17/2022 3:23:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	258232.4	93.8	%	0.36				0.39%
Y axial	2629343.3	86.5	%	0.17				0.19%
Ag 328.068†	92137.5	1.107	mg/L	0.0101	1.107	mg/L	0.0101	0.91%
QC value within limits for Ag 328.068 Recovery = 110.74%								
Al 396.153†	1468624.2	245.4	mg/L	2.15	245.4	mg/L	2.15	0.87%
QC value within limits for Al 396.153 Recovery = 98.17%								
As 188.979†	-60.6	-0.0027	mg/L	0.00543	-0.0027	mg/L	0.00543	201.47%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	129.8	0.0177	mg/L	0.00055	0.0177	mg/L	0.00055	3.10%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	30070.5	0.5114	mg/L	0.00600	0.5114	mg/L	0.00600	1.17%
QC value within limits for Ba 233.527 Recovery = 102.28%								
Be 313.107†	158724.0	0.5407	mg/L	0.00651	0.5407	mg/L	0.00651	1.20%
QC value within limits for Be 313.107 Recovery = 108.14%								
Ca 317.933†	2623091.9	244.2	mg/L	2.08	244.2	mg/L	2.08	0.85%
QC value within limits for Ca 317.933 Recovery = 97.67%								
Cd 228.802†	27846.6	1.050	mg/L	0.0127	1.050	mg/L	0.0127	1.21%
QC value within limits for Cd 228.802 Recovery = 105.02%								
Co 228.616†	13539.1	0.4729	mg/L	0.00087	0.4729	mg/L	0.00087	0.18%
QC value within limits for Co 228.616 Recovery = 94.58%								
Cr 267.716†	27831.3	0.5027	mg/L	0.00690	0.5027	mg/L	0.00690	1.37%
QC value within limits for Cr 267.716 Recovery = 100.55%								
Cu 327.393†	79402.7	0.5349	mg/L	0.00609	0.5349	mg/L	0.00609	1.14%
QC value within limits for Cu 327.393 Recovery = 106.98%								
Fe 238.204†	66988.6	94.63	mg/L	0.522	94.63	mg/L	0.522	0.55%
QC value within limits for Fe 238.204 Recovery = 94.63%								
K 766.490†	99.2	0.0535	mg/L	0.02472	0.0535	mg/L	0.02472	46.21%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4037356.7	229.3	mg/L	1.83	229.3	mg/L	1.83	0.80%
QC value within limits for Mg 285.213 Recovery = 91.73%								
Mn 257.610†	10886.6	0.4876	mg/L	0.00238	0.4876	mg/L	0.00238	0.49%
QC value within limits for Mn 257.610 Recovery = 97.52%								
Mo 202.031†	-336.2	-0.0199	mg/L	0.00068	-0.0199	mg/L	0.00068	3.40%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	341.2	0.0315	mg/L	0.00193	0.0315	mg/L	0.00193	6.14%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	23105.2	0.9317	mg/L	0.00999	0.9317	mg/L	0.00999	1.07%
QC value within limits for Ni 231.604 Recovery = 93.17%								
Pb 220.353†	3302.8	0.9950	mg/L	0.00786	0.9950	mg/L	0.00786	0.79%
QC value within limits for Pb 220.353 Recovery = 99.50%								
Sb 206.836†	54.9	0.0183	mg/L	0.00554	0.0183	mg/L	0.00554	30.22%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-121.1	-0.0053	mg/L	0.00896	-0.0053	mg/L	0.00896	167.50%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	1410.6	0.1751	mg/L	0.00103	0.1751	mg/L	0.00103	0.59%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-52.9	-0.0015	mg/L	0.00032	-0.0015	mg/L	0.00032	21.75%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-193.3	-0.0078	mg/L	0.00321	-0.0078	mg/L	0.00321	41.28%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	38378.9	0.5054	mg/L	0.00604	0.5054	mg/L	0.00604	1.19%
QC value within limits for V 290.880 Recovery = 101.08%								
Zn 206.200†	23802.6	0.9797	mg/L	0.01122	0.9797	mg/L	0.01122	1.14%
QC value within limits for Zn 206.200 Recovery = 97.97%								
Zr 343.823†	929.9	0.0008	mg/L	0.00010	0.0008	mg/L	0.00010	12.54%

All analyte(s) passed QC.
User canceled analysis.

==========

Analysis Begun

Start Time: 4/17/2022 3:27:42 PM
Logged In Analyst: ICP3
Spectrometer: Optima 8300 , S/N 078S1703073
Plasma On Time: 4/17/2022 11:47:42 AM
Technique: ICP Continuous
Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

==========

Sequence No.: 9
Sample ID: SEQ-HCV1@100
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample):
Autosampler Location: 37
Date Collected: 4/17/2022 3:27:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

User canceled analysis.

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Analysis Begun

Start Time: 4/17/2022 3:31:21 PM
Logged In Analyst: ICP3
Spectrometer: Optima 8300 , S/N 078S1703073
Plasma On Time: 4/17/2022 11:47:42 AM
Technique: ICP Continuous
Autosampler: S10

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

==========

Sequence No.: 9
Sample ID: SEQ-HCV1@100
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample):
Autosampler Location: 37
Date Collected: 4/17/2022 3:31:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-HCV1@100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	259957.4	94.4	%	0.66				0.70%
Y axial	2761410.5	90.9	%	1.30				1.43%
Ag 328.068†	-38255.7	-0.0751	mg/L	0.00210	-0.0751	mg/L	0.00210	2.80%
Al 396.153†	595904.5	99.60	mg/L	0.169	99.60	mg/L	0.169	0.17%
QC value within limits for Al 396.153 Recovery = 99.60%								
As 188.979†	128661.9	96.61	mg/L	0.279	96.61	mg/L	0.279	0.29%
QC value within limits for As 188.979 Recovery = 96.61%								
B 208.889†	-126.5	-0.0135	mg/L	0.00175	-0.0135	mg/L	0.00175	12.93%
Ba 233.527†	5179308.5	88.09	mg/L	1.568	88.09	mg/L	1.568	1.78%
QC value less than the lower limit for Ba 233.527 Recovery = 88.09%								
Be 313.107†	27950750.9	95.16	mg/L	1.724	95.16	mg/L	1.724	1.81%
QC value within limits for Be 313.107 Recovery = 95.16%								
Ca 317.933†	1380.4	0.1285	mg/L	0.01774	0.1285	mg/L	0.01774	13.80%
Cd 228.802†	2042645.9	75.93	mg/L	0.445	75.93	mg/L	0.445	0.59%
QC value less than the lower limit for Cd 228.802 Recovery = 75.93%								
Co 228.616†	2740603.3	95.74	mg/L	0.097	95.74	mg/L	0.097	0.10%
QC value within limits for Co 228.616 Recovery = 95.74%								
Cr 267.716†	5370781.1	95.97	mg/L	1.746	95.97	mg/L	1.746	1.82%
QC value within limits for Cr 267.716 Recovery = 95.97%								
Cu 327.393†	15279147.9	102.9	mg/L	1.68	102.9	mg/L	1.68	1.63%
QC value within limits for Cu 327.393 Recovery = 102.93%								
Fe 238.204†	71085.6	100.7	mg/L	0.76	100.7	mg/L	0.76	0.75%
QC value within limits for Fe 238.204 Recovery = 100.67%								
K 766.490†	95.0	0.0513	mg/L	0.03552	0.0513	mg/L	0.03552	69.29%
Mg 285.213†	-1576.7	0.0593	mg/L	0.00129	0.0593	mg/L	0.00129	2.17%

Mn 257.610†	2164376.3	95.93 mg/L	0.119	95.93 mg/L	0.119	0.12%
QC value within limits for Mn 257.610 Recovery = 95.93%						
Mo 202.031†	-928.4	-0.0548 mg/L	0.00148	-0.0548 mg/L	0.00148	2.70%
Na 589.592†	289.0	0.0266 mg/L	0.00232	0.0266 mg/L	0.00232	8.70%
Ni 231.604†	2390607.7	96.29 mg/L	0.069	96.29 mg/L	0.069	0.07%
QC value within limits for Ni 231.604 Recovery = 96.29%						
Pb 220.353†	336425.5	98.44 mg/L	0.057	98.44 mg/L	0.057	0.06%
QC value within limits for Pb 220.353 Recovery = 98.44%						
Sb 206.836†	2517.9	-0.2906 mg/L	0.01305	-0.2906 mg/L	0.01305	4.49%
Se 196.026†	154436.8	109.4 mg/L	0.69	109.4 mg/L	0.69	0.63%
QC value within limits for Se 196.026 Recovery = 109.39%						
Sn 189.927†	-128.7	-0.0243 mg/L	0.00118	-0.0243 mg/L	0.00118	4.86%
Ti 337.279†	-232.1	-0.0065 mg/L	0.00074	-0.0065 mg/L	0.00074	11.50%
Tl 351.924†	374154.7	112.1 mg/L	0.11	112.1 mg/L	0.11	0.10%
QC value greater than the upper limit for Tl 351.924 Recovery = 112.14%						
V 290.880†	7406392.5	99.74 mg/L	1.779	99.74 mg/L	1.779	1.78%
QC value within limits for V 290.880 Recovery = 99.74%						
Zn 206.200†	2263428.8	91.50 mg/L	0.143	91.50 mg/L	0.143	0.16%
QC value within limits for Zn 206.200 Recovery = 91.50%						
Zr 343.823†	-551.2	-0.0051 mg/L	0.00012	-0.0051 mg/L	0.00012	2.29%

QC Failed. Continue with analysis.

==========

Sequence No.: 10 **Autosampler Location: 36**
Sample ID: SEQ-HCV2@500/100 **Date Collected: 4/17/2022 3:38:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-HCV2@500/100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	246748.6	89.6	%	0.50				0.56%
Y axial	2424703.1	79.8	%	0.50				0.63%
Ag 328.068†	387.9	0.0047	mg/L	0.00031	0.0047	mg/L	0.00031	6.47%
Al 396.153†	2946685.2	492.4	mg/L	6.48	492.4	mg/L	6.48	1.32%
QC value within limits for Al 396.153 Recovery = 98.49%								
As 188.979†	-118.8	0.0652	mg/L	0.00579	0.0652	mg/L	0.00579	8.87%
B 208.889†	721791.9	92.72	mg/L	0.367	92.72	mg/L	0.367	0.40%
Ba 233.527†	955.5	0.0163	mg/L	0.00049	0.0163	mg/L	0.00049	3.04%
Be 313.107†	2059.4	0.0068	mg/L	0.00075	0.0068	mg/L	0.00075	11.03%
Ca 317.933†	5067527.8	471.7	mg/L	6.07	471.7	mg/L	6.07	1.29%
QC value within limits for Ca 317.933 Recovery = 94.34%								
Cd 228.802†	350.5	0.0207	mg/L	0.00075	0.0207	mg/L	0.00075	3.65%
Co 228.616†	558.3	0.0195	mg/L	0.00077	0.0195	mg/L	0.00077	3.94%
Cr 267.716†	-955.4	0.0077	mg/L	0.00071	0.0077	mg/L	0.00071	9.32%
Cu 327.393†	-980.8	-0.0066	mg/L	0.00056	-0.0066	mg/L	0.00056	8.54%
Fe 238.204†	303270.9	428.5	mg/L	0.60	428.5	mg/L	0.60	0.14%
QC value less than the lower limit for Fe 238.204 Recovery = 85.71%								
K 766.490†	404475.7	218.2	mg/L	0.26	218.2	mg/L	0.26	0.12%
QC value within limits for K 766.490 Recovery = 109.09%								
Mg 285.213†	3272303.4	186.0	mg/L	0.17	186.0	mg/L	0.17	0.09%
QC value within limits for Mg 285.213 Recovery = 92.98%								
Mn 257.610†	-1405.3	-0.0391	mg/L	0.00279	-0.0391	mg/L	0.00279	7.14%
Mo 202.031†	-1056.3	-0.0624	mg/L	0.00058	-0.0624	mg/L	0.00058	0.93%
Na 589.592†	5412762.6	499.1	mg/L	7.06	499.1	mg/L	7.06	1.42%
QC value within limits for Na 589.592 Recovery = 99.83%								
Ni 231.604†	525.4	0.0213	mg/L	0.00086	0.0213	mg/L	0.00086	4.03%
Pb 220.353†	-74.5	0.0087	mg/L	0.00273	0.0087	mg/L	0.00273	31.37%
Sb 206.836†	105.3	0.0474	mg/L	0.00424	0.0474	mg/L	0.00424	8.94%
Se 196.026†	-558.7	-0.0357	mg/L	0.00326	-0.0357	mg/L	0.00326	9.12%
Sn 189.927†	1328.7	0.1770	mg/L	0.00543	0.1770	mg/L	0.00543	3.07%
Ti 337.279†	-63.8	-0.0018	mg/L	0.00101	-0.0018	mg/L	0.00101	56.37%
Tl 351.924†	-865.4	-0.0228	mg/L	0.00384	-0.0228	mg/L	0.00384	16.83%
V 290.880†	3360.2	0.0164	mg/L	0.00050	0.0164	mg/L	0.00050	3.05%
Zn 206.200†	947.7	0.0647	mg/L	0.00173	0.0647	mg/L	0.00173	2.67%
Zr 343.823†	4327.1	0.0040	mg/L	0.00016	0.0040	mg/L	0.00016	4.08%

QC Failed. Continue with analysis.

User canceled analysis.

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Analysis Begun

Start Time: 4/17/2022 4:29:27 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/17/2022 4:29:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):
User canceled analysis.

==========

Analysis Begun

Start Time: 4/17/2022 4:32:10 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 18 **Autosampler Location: 41**
Sample ID: B305681-BLK1 **Date Collected: 4/17/2022 4:32:10 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: B305681-BLK1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	271588.1	98.7	%	2.33				2.36%
Y axial	3049106.3	100	%	0.95				0.95%
Ag 328.068†	25.5	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	29.12%
Al 396.153†	-20.5	-0.0034	mg/L	0.00076	-0.0034	mg/L	0.00076	22.03%
As 188.979†	4.3	0.0032	mg/L	0.00256	0.0032	mg/L	0.00256	79.57%
B 208.889†	403.6	0.0518	mg/L	0.00065	0.0518	mg/L	0.00065	1.26%
Ba 233.527†	25.8	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	13.95%
Be 313.107†	5.4	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	368.95%
Ca 317.933†	59.2	0.0055	mg/L	0.00454	0.0055	mg/L	0.00454	82.44%
Cd 228.802†	33.8	0.0012	mg/L	0.00022	0.0012	mg/L	0.00022	17.94%
Co 228.616†	26.3	0.0009	mg/L	0.00017	0.0009	mg/L	0.00017	18.61%
Cr 267.716†	9.1	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	122.52%
Cu 327.393†	115.8	0.0008	mg/L	0.00036	0.0008	mg/L	0.00036	45.86%
Fe 238.204†	3.1	0.0043	mg/L	0.00295	0.0043	mg/L	0.00295	68.38%
K 766.490†	18.8	0.0101	mg/L	0.06327	0.0101	mg/L	0.06327	623.85%
Mg 285.213†	35.1	0.0020	mg/L	0.00057	0.0020	mg/L	0.00057	28.85%
Mn 257.610†	6.8	0.0003	mg/L	0.00015	0.0003	mg/L	0.00015	50.29%
Mo 202.031†	5.9	0.0003	mg/L	0.00010	0.0003	mg/L	0.00010	27.89%
Na 589.592†	7.2	0.0007	mg/L	0.00496	0.0007	mg/L	0.00496	743.67%
Ni 231.604†	30.0	0.0012	mg/L	0.00011	0.0012	mg/L	0.00011	8.71%
Pb 220.353†	-0.4	-0.0001	mg/L	0.00064	-0.0001	mg/L	0.00064	583.11%
Sb 206.836†	-6.3	-0.0028	mg/L	0.00128	-0.0028	mg/L	0.00128	46.00%

Se 196.026†	1.9	0.0013 mg/L	0.00276	0.0013 mg/L	0.00276	207.88%
Sn 189.927†	3.9	0.0007 mg/L	0.00148	0.0007 mg/L	0.00148	203.33%
Ti 337.279†	-47.7	-0.0013 mg/L	0.00110	-0.0013 mg/L	0.00110	83.44%
Tl 351.924†	4.5	0.0014 mg/L	0.00156	0.0014 mg/L	0.00156	114.65%
V 290.880†	-11.7	-0.0002 mg/L	0.00003	-0.0002 mg/L	0.00003	18.18%
Zn 206.200†	69.8	0.0028 mg/L	0.00015	0.0028 mg/L	0.00015	5.24%
Zr 343.823†	-11.7	-0.0000 mg/L	0.00007	-0.0000 mg/L	0.00007	155.38%

Sequence No.: 19
Sample ID: B305681-MS1
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 110

Autosampler Location: 42
Date Collected: 4/17/2022 4:38:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B305681-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	268062.4	97.4	%	0.70				0.72%
Y axial	2902350.2	95.5	%	1.87				1.96%
Ag 328.068†	46629.9	0.5614	mg/L	0.01511	0.5614	mg/L	0.01511	2.69%
Al 396.153†	3764.8	0.5980	mg/L	0.00509	0.5980	mg/L	0.00509	0.85%
As 188.979†	657.7	0.4952	mg/L	0.01127	0.4952	mg/L	0.01127	2.28%
B 208.889†	8548.0	1.072	mg/L	0.0200	1.072	mg/L	0.0200	1.86%
Ba 233.527†	37535.7	0.6383	mg/L	0.01658	0.6383	mg/L	0.01658	2.60%
Be 313.107†	164488.6	0.5604	mg/L	0.00142	0.5604	mg/L	0.00142	0.25%
Ca 317.933†	729439.6	67.90	mg/L	0.084	67.90	mg/L	0.084	0.12%
Cd 228.802†	13637.6	0.5082	mg/L	0.01243	0.5082	mg/L	0.01243	2.45%
Co 228.616†	14342.3	0.5001	mg/L	0.01310	0.5001	mg/L	0.01310	2.62%
Cr 267.716†	28730.9	0.5136	mg/L	0.01237	0.5136	mg/L	0.01237	2.41%
Cu 327.393†	148158.7	0.9986	mg/L	0.02758	0.9986	mg/L	0.02758	2.76%
Fe 238.204†	3149.0	4.448	mg/L	0.0278	4.448	mg/L	0.0278	0.63%
K 766.490†	9109.8	4.914	mg/L	0.0363	4.914	mg/L	0.0363	0.74%
Mg 285.213†	298495.0	16.96	mg/L	0.031	16.96	mg/L	0.031	0.18%
Mn 257.610†	14342.9	0.6364	mg/L	0.00284	0.6364	mg/L	0.00284	0.45%
Mo 202.031†	8811.7	0.5203	mg/L	0.00909	0.5203	mg/L	0.00909	1.75%
Na 589.592†	84958.7	7.835	mg/L	0.0068	7.835	mg/L	0.0068	0.09%
Ni 231.604†	12495.7	0.5036	mg/L	0.00936	0.5036	mg/L	0.00936	1.86%
Pb 220.353†	1763.6	0.5176	mg/L	0.01314	0.5176	mg/L	0.01314	2.54%
Sb 206.836†	1163.9	0.5086	mg/L	0.00493	0.5086	mg/L	0.00493	0.97%
Se 196.026†	759.0	0.5409	mg/L	0.00835	0.5409	mg/L	0.00835	1.54%
Sn 189.927†	3188.7	0.5991	mg/L	0.01190	0.5991	mg/L	0.01190	1.99%
Ti 337.279†	18669.5	0.5182	mg/L	0.00270	0.5182	mg/L	0.00270	0.52%
Tl 351.924†	1809.8	0.5421	mg/L	0.01110	0.5421	mg/L	0.01110	2.05%
V 290.880†	38959.5	0.5266	mg/L	0.01398	0.5266	mg/L	0.01398	2.65%
Zn 206.200†	24578.4	0.9950	mg/L	0.02373	0.9950	mg/L	0.02373	2.39%
Zr 343.823†	232.2	0.0008	mg/L	0.00003	0.0008	mg/L	0.00003	3.59%

Sequence No.: 20
Sample ID: B305681-MSD1
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 220

Autosampler Location: 43
Date Collected: 4/17/2022 4:45:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: B305681-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	265879.1	96.6	%	0.71				0.73%
Y axial	2933448.5	96.5	%	0.81				0.84%
Ag 328.068†	45318.1	0.5456	mg/L	0.00482	0.5456	mg/L	0.00482	0.88%
Al 396.153†	3868.6	0.6163	mg/L	0.00652	0.6163	mg/L	0.00652	1.06%
As 188.979†	627.1	0.4723	mg/L	0.00280	0.4723	mg/L	0.00280	0.59%
B 208.889†	8221.6	1.031	mg/L	0.0087	1.031	mg/L	0.0087	0.84%
Ba 233.527†	36039.3	0.6128	mg/L	0.01412	0.6128	mg/L	0.01412	2.30%
Be 313.107†	159943.1	0.5450	mg/L	0.00156	0.5450	mg/L	0.00156	0.29%

Ca 317.933†	708577.5	65.96	mg/L	0.232	65.96	mg/L	0.232	0.35%
Cd 228.802†	13141.2	0.4898	mg/L	0.01180	0.4898	mg/L	0.01180	2.41%
Co 228.616†	13754.2	0.4795	mg/L	0.00390	0.4795	mg/L	0.00390	0.81%
Cr 267.716†	27558.1	0.4926	mg/L	0.01007	0.4926	mg/L	0.01007	2.04%
Cu 327.393†	141850.8	0.9560	mg/L	0.02342	0.9560	mg/L	0.02342	2.45%
Fe 238.204†	3101.0	4.380	mg/L	0.0344	4.380	mg/L	0.0344	0.79%
K 766.490†	8844.8	4.771	mg/L	0.0445	4.771	mg/L	0.0445	0.93%
Mg 285.213†	291605.0	16.56	mg/L	0.021	16.56	mg/L	0.021	0.13%
Mn 257.610†	13954.3	0.6191	mg/L	0.00454	0.6191	mg/L	0.00454	0.73%
Mo 202.031†	8536.6	0.5040	mg/L	0.00406	0.5040	mg/L	0.00406	0.81%
Na 589.592†	83091.5	7.662	mg/L	0.0173	7.662	mg/L	0.0173	0.23%
Ni 231.604†	12025.8	0.4846	mg/L	0.00331	0.4846	mg/L	0.00331	0.68%
Pb 220.353†	1688.7	0.4957	mg/L	0.00422	0.4957	mg/L	0.00422	0.85%
Sb 206.836†	1113.0	0.4864	mg/L	0.00366	0.4864	mg/L	0.00366	0.75%
Se 196.026†	729.4	0.5199	mg/L	0.00310	0.5199	mg/L	0.00310	0.60%
Sn 189.927†	3056.6	0.5741	mg/L	0.00334	0.5741	mg/L	0.00334	0.58%
Ti 337.279†	18121.7	0.5030	mg/L	0.00344	0.5030	mg/L	0.00344	0.68%
Tl 351.924†	1758.5	0.5268	mg/L	0.00593	0.5268	mg/L	0.00593	1.12%
V 290.880†	37257.1	0.5036	mg/L	0.00992	0.5036	mg/L	0.00992	1.97%
Zn 206.200†	23541.7	0.9530	mg/L	0.02079	0.9530	mg/L	0.02079	2.18%
Zr 343.823†	147.9	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	18.86%

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Sequence No.: 21
Sample ID: 22D0541-15
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 220

Autosampler Location: 44
Date Collected: 4/17/2022 4:53:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 22D0541-15

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	265425.9	96.4	%	0.81				0.84%
Y axial	2852961.2	93.9	%	0.76				0.81%
Ag 328.068†	64.3	0.0008	mg/L	0.00022	0.0008	mg/L	0.00022	28.68%
Al 396.153†	1490.3	0.2430	mg/L	0.00461	0.2430	mg/L	0.00461	1.90%
As 188.979†	2.1	0.0018	mg/L	0.00496	0.0018	mg/L	0.00496	271.63%
B 208.889†	457.8	0.0588	mg/L	0.00079	0.0588	mg/L	0.00079	1.34%
Ba 233.527†	7346.8	0.1249	mg/L	0.00094	0.1249	mg/L	0.00094	0.75%
Be 313.107†	40.3	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	10.06%
Ca 317.933†	659669.6	61.40	mg/L	0.337	61.40	mg/L	0.337	0.55%
Cd 228.802†	39.7	0.0015	mg/L	0.00009	0.0015	mg/L	0.00009	6.19%
Co 228.616†	23.6	0.0008	mg/L	0.00011	0.0008	mg/L	0.00011	14.02%
Cr 267.716†	157.6	0.0028	mg/L	0.00035	0.0028	mg/L	0.00035	12.46%
Cu 327.393†	201.2	0.0014	mg/L	0.00034	0.0014	mg/L	0.00034	25.23%
Fe 238.204†	470.4	0.6625	mg/L	0.00134	0.6625	mg/L	0.00134	0.20%
K 766.490†	1660.8	0.8959	mg/L	0.03282	0.8959	mg/L	0.03282	3.66%
Mg 285.213†	221121.1	12.56	mg/L	0.075	12.56	mg/L	0.075	0.59%
Mn 257.610†	3009.0	0.1334	mg/L	0.00012	0.1334	mg/L	0.00012	0.09%
Mo 202.031†	3.8	0.0002	mg/L	0.00038	0.0002	mg/L	0.00038	170.67%
Na 589.592†	40029.2	3.691	mg/L	0.0262	3.691	mg/L	0.0262	0.71%
Ni 231.604†	84.9	0.0034	mg/L	0.00022	0.0034	mg/L	0.00022	6.32%
Pb 220.353†	-5.5	-0.0006	mg/L	0.00253	-0.0006	mg/L	0.00253	435.26%
Sb 206.836†	4.5	0.0021	mg/L	0.00106	0.0021	mg/L	0.00106	50.13%
Se 196.026†	-3.6	-0.0021	mg/L	0.00559	-0.0021	mg/L	0.00559	266.80%
Sn 189.927†	426.6	0.0757	mg/L	0.00109	0.0757	mg/L	0.00109	1.44%
Ti 337.279†	61.6	0.0017	mg/L	0.00024	0.0017	mg/L	0.00024	13.77%
Tl 351.924†	0.4	0.0004	mg/L	0.00458	0.0004	mg/L	0.00458	>999.9%
V 290.880†	455.7	0.0058	mg/L	0.00007	0.0058	mg/L	0.00007	1.23%
Zn 206.200†	222.1	0.0090	mg/L	0.00034	0.0090	mg/L	0.00034	3.75%
Zr 343.823†	29.2	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	132.78%

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Analysis Begun

Start Time: 4/17/2022 5:03:29 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/17/2022 5:03:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 4/17/2022 5:03:50 PM **Plasma On Time: 4/17/2022 11:47:42 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0417A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0417A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 23 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/17/2022 5:03:50 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	262452.2	95.3	%	0.43				0.45%
Y axial	2952438.6	97.2	%	1.25				1.29%
Ag 328.068†	190648.9	2.281	mg/L	0.0472	2.281	mg/L	0.0472	2.07%
QC value within limits for Ag 328.068 Recovery = 91.22%								
Al 396.153†	57430.2	9.303	mg/L	0.0728	9.303	mg/L	0.0728	0.78%
QC value within limits for Al 396.153 Recovery = 93.03%								
As 188.979†	6376.5	4.790	mg/L	0.0139	4.790	mg/L	0.0139	0.29%
QC value within limits for As 188.979 Recovery = 95.79%								
B 208.889†	37772.0	4.603	mg/L	0.0157	4.603	mg/L	0.0157	0.34%
QC value within limits for B 208.889 Recovery = 92.06%								
Ba 233.527†	291374.8	4.955	mg/L	0.0323	4.955	mg/L	0.0323	0.65%
QC value within limits for Ba 233.527 Recovery = 99.10%								
Be 313.107†	1557659.5	5.311	mg/L	0.0568	5.311	mg/L	0.0568	1.07%
QC value within limits for Be 313.107 Recovery = 106.23%								
Ca 317.933†	105815.3	9.850	mg/L	0.0860	9.850	mg/L	0.0860	0.87%
QC value within limits for Ca 317.933 Recovery = 98.50%								
Cd 228.802†	130244.3	4.853	mg/L	0.0468	4.853	mg/L	0.0468	0.96%
QC value within limits for Cd 228.802 Recovery = 97.06%								
Co 228.616†	142993.2	4.986	mg/L	0.0348	4.986	mg/L	0.0348	0.70%
QC value within limits for Co 228.616 Recovery = 99.72%								
Cr 267.716†	278423.3	4.974	mg/L	0.0325	4.974	mg/L	0.0325	0.65%
QC value within limits for Cr 267.716 Recovery = 99.48%								

Cu 327.393†	715479.9	4.851 mg/L	0.0324	4.851 mg/L	0.0324	0.67%
QC value within limits for Cu 327.393 Recovery = 97.02%						
Fe 238.204†	3401.1	4.815 mg/L	0.0784	4.815 mg/L	0.0784	1.63%
QC value within limits for Fe 238.204 Recovery = 96.31%						
K 766.490†	18206.9	9.821 mg/L	0.1802	9.821 mg/L	0.1802	1.83%
QC value within limits for K 766.490 Recovery = 98.21%						
Mg 285.213†	176541.0	9.940 mg/L	0.0839	9.940 mg/L	0.0839	0.84%
QC value within limits for Mg 285.213 Recovery = 99.40%						
Mn 257.610†	110159.5	4.887 mg/L	0.0356	4.887 mg/L	0.0356	0.73%
QC value within limits for Mn 257.610 Recovery = 97.74%						
Mo 202.031†	84629.6	4.997 mg/L	0.0362	4.997 mg/L	0.0362	0.72%
QC value within limits for Mo 202.031 Recovery = 99.94%						
Na 589.592†	107926.1	9.952 mg/L	0.0765	9.952 mg/L	0.0765	0.77%
QC value within limits for Na 589.592 Recovery = 99.52%						
Ni 231.604†	123640.5	4.984 mg/L	0.0373	4.984 mg/L	0.0373	0.75%
QC value within limits for Ni 231.604 Recovery = 99.69%						
Pb 220.353†	16931.5	4.968 mg/L	0.0225	4.968 mg/L	0.0225	0.45%
QC value within limits for Pb 220.353 Recovery = 99.36%						
Sb 206.836†	10893.1	4.756 mg/L	0.0363	4.756 mg/L	0.0363	0.76%
QC value within limits for Sb 206.836 Recovery = 95.13%						
Se 196.026†	7130.0	5.052 mg/L	0.0347	5.052 mg/L	0.0347	0.69%
QC value within limits for Se 196.026 Recovery = 101.03%						
Sn 189.927†	25890.4	4.919 mg/L	0.0161	4.919 mg/L	0.0161	0.33%
QC value within limits for Sn 189.927 Recovery = 98.38%						
Ti 337.279†	178616.4	4.955 mg/L	0.0389	4.955 mg/L	0.0389	0.78%
QC value within limits for Ti 337.279 Recovery = 99.11%						
Tl 351.924†	8561.0	2.539 mg/L	0.0175	2.539 mg/L	0.0175	0.69%
QC value within limits for Tl 351.924 Recovery = 101.55%						
V 290.880†	366460.6	4.960 mg/L	0.0356	4.960 mg/L	0.0356	0.72%
QC value within limits for V 290.880 Recovery = 99.19%						
Zn 206.200†	119300.9	4.822 mg/L	0.0295	4.822 mg/L	0.0295	0.61%
QC value within limits for Zn 206.200 Recovery = 96.44%						
Zr 343.823†	1235075.5	4.761 mg/L	0.0232	4.761 mg/L	0.0232	0.49%

All analyte(s) passed QC.

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Sequence No.: 24 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/17/2022 5:09:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	275780.1	100	%	1.03				1.02%
Y axial	3070202.7	101	%	0.63				0.63%
Ag 328.068†	961.5	0.0115	mg/L	0.00023	0.0115	mg/L	0.00023	2.02%
QC value greater than the upper limit for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-29.3	-0.0049	mg/L	0.00133	-0.0049	mg/L	0.00133	26.96%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-1.0	-0.0008	mg/L	0.00024	-0.0008	mg/L	0.00024	30.72%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	292.1	0.0375	mg/L	0.00056	0.0375	mg/L	0.00056	1.50%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	21.5	0.0004	mg/L	0.00021	0.0004	mg/L	0.00021	58.69%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-28.0	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	52.00%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	-8.2	-0.0008	mg/L	0.00294	-0.0008	mg/L	0.00294	386.02%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	34.0	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	4.21%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	21.6	0.0008	mg/L	0.00021	0.0008	mg/L	0.00021	27.52%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.9	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012	73.67%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	100.5	0.0007	mg/L	0.00015	0.0007	mg/L	0.00015	22.17%

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   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 238.204†                4.9      0.0069 mg/L       0.00610      0.0069 mg/L       0.00610  88.41%
   QC value within limits for Fe 238.204  Recovery = Not calculated
K 766.490†               106.4      0.0574 mg/L       0.02681      0.0574 mg/L       0.02681  46.71%
   QC value within limits for K 766.490  Recovery = Not calculated
Mg 285.213†                0.1      0.0000 mg/L       0.00027      0.0000 mg/L       0.00027 >999.9%
   QC value within limits for Mg 285.213  Recovery = Not calculated
Mn 257.610†                1.6      0.0001 mg/L       0.00041      0.0001 mg/L       0.00041 552.11%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†               20.8      0.0012 mg/L       0.00029      0.0012 mg/L       0.00029  23.91%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Na 589.592†               24.4      0.0023 mg/L       0.00719      0.0023 mg/L       0.00719 319.04%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 231.604†               31.3      0.0013 mg/L       0.00025      0.0013 mg/L       0.00025  19.53%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               -3.9     -0.0012 mg/L       0.00175     -0.0012 mg/L       0.00175 151.94%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               -4.2     -0.0018 mg/L       0.00205     -0.0018 mg/L       0.00205 111.94%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               -3.6     -0.0025 mg/L       0.00239     -0.0025 mg/L       0.00239  94.01%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†                2.2      0.0004 mg/L       0.00055      0.0004 mg/L       0.00055 130.86%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†               12.4      0.0003 mg/L       0.00091      0.0003 mg/L       0.00091 263.05%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 351.924†               -0.0      0.0000 mg/L       0.00046      0.0000 mg/L       0.00046 >999.9%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†               -39.3     -0.0005 mg/L       0.00019     -0.0005 mg/L       0.00019  35.94%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†               21.4      0.0009 mg/L       0.00020      0.0009 mg/L       0.00020  23.52%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Zr 343.823†              -13.5     -0.0001 mg/L       0.00008     -0.0001 mg/L       0.00008 146.16%
QC Failed.  Continue with analysis.
User canceled analysis.
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Sequence No.: 48 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/17/2022 7:50:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	260672.2	94.7	%	2.05				2.17%
Y axial	2666492.3	87.8	%	0.39				0.44%
Ag 328.068†	208.1	0.0025	mg/L	0.00031	0.0025	mg/L	0.00031	12.43%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1379421.5	230.5	mg/L	5.71	230.5	mg/L	5.71	2.48%
QC value within limits for Al 396.153 Recovery = 92.21%								
As 188.979†	-60.3	-0.0059	mg/L	0.00105	-0.0059	mg/L	0.00105	17.85%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	152.2	0.0206	mg/L	0.00104	0.0206	mg/L	0.00104	5.04%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	172.9	0.0029	mg/L	0.00014	0.0029	mg/L	0.00014	4.65%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	5.5	-0.0000	mg/L	0.00007	-0.0000	mg/L	0.00007	297.28%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	2521078.0	234.7	mg/L	5.81	234.7	mg/L	5.81	2.47%
QC value within limits for Ca 317.933 Recovery = 93.87%								
Cd 228.802†	4.0	0.0021	mg/L	0.00018	0.0021	mg/L	0.00018	8.75%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	22.1	0.0008	mg/L	0.00012	0.0008	mg/L	0.00012	14.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-70.8	0.0040	mg/L	0.00028	0.0040	mg/L	0.00028	6.94%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-725.4	-0.0049	mg/L	0.00003	-0.0049	mg/L	0.00003	0.67%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	64822.5	91.57	mg/L	1.146	91.57	mg/L	1.146	1.25%
QC value within limits for Fe 238.204 Recovery = 91.57%								
K 766.490†	62.2	0.0335	mg/L	0.02381	0.0335	mg/L	0.02381	70.97%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	3938517.5	223.7	mg/L	5.29	223.7	mg/L	5.29	2.36%
QC value within limits for Mg 285.213 Recovery = 89.49%								
Mn 257.610†	-241.7	-0.0058	mg/L	0.00252	-0.0058	mg/L	0.00252	43.79%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-339.4	-0.0200	mg/L	0.00059	-0.0200	mg/L	0.00059	2.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	552.8	0.0510	mg/L	0.00502	0.0510	mg/L	0.00502	9.85%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	39.6	0.0016	mg/L	0.00060	0.0016	mg/L	0.00060	37.02%
QC value within limits for Ni 231.604 Recovery = Not calculated								

Pb 220.353†	-96.4	-0.0022 mg/L	0.00195	-0.0022 mg/L	0.00195	89.81%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	40.8	0.0184 mg/L	0.00537	0.0184 mg/L	0.00537	29.19%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-115.4	-0.0048 mg/L	0.00149	-0.0048 mg/L	0.00149	31.10%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	1360.3	0.1679 mg/L	0.00472	0.1679 mg/L	0.00472	2.81%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	-26.5	-0.0007 mg/L	0.00028	-0.0007 mg/L	0.00028	38.26%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-191.7	-0.0069 mg/L	0.00101	-0.0069 mg/L	0.00101	14.71%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	589.1	-0.0032 mg/L	0.00103	-0.0032 mg/L	0.00103	32.07%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	24.7	0.0157 mg/L	0.00010	0.0157 mg/L	0.00010	0.64%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	891.6	0.0007 mg/L	0.00002	0.0007 mg/L	0.00002	2.27%

All analyte(s) passed QC.

==========

Sequence No.: 49 **Autosampler Location: 12**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/17/2022 7:55:45 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	254642.1	92.5	%	1.43				1.54%
Y axial	2645156.1	87.0	%	0.21				0.24%
Ag 328.068†	86325.7	1.038	mg/L	0.0124	1.038	mg/L	0.0124	1.19%
QC value within limits for Ag 328.068 Recovery = 103.76%								
Al 396.153†	1429833.3	238.9	mg/L	0.43	238.9	mg/L	0.43	0.18%
QC value within limits for Al 396.153 Recovery = 95.58%								
As 188.979†	-59.9	-0.0029	mg/L	0.00220	-0.0029	mg/L	0.00220	75.13%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	143.5	0.0195	mg/L	0.00203	0.0195	mg/L	0.00203	10.39%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	29761.8	0.5061	mg/L	0.00389	0.5061	mg/L	0.00389	0.77%
QC value within limits for Ba 233.527 Recovery = 101.23%								
Be 313.107†	165864.0	0.5652	mg/L	0.00061	0.5652	mg/L	0.00061	0.11%
QC value within limits for Be 313.107 Recovery = 113.03%								
Ca 317.933†	2608646.3	242.8	mg/L	0.14	242.8	mg/L	0.14	0.06%
QC value within limits for Ca 317.933 Recovery = 97.13%								
Cd 228.802†	27446.5	1.035	mg/L	0.0117	1.035	mg/L	0.0117	1.13%
QC value within limits for Cd 228.802 Recovery = 103.52%								
Co 228.616†	13511.9	0.4719	mg/L	0.00032	0.4719	mg/L	0.00032	0.07%
QC value within limits for Co 228.616 Recovery = 94.39%								
Cr 267.716†	27653.1	0.4995	mg/L	0.00581	0.4995	mg/L	0.00581	1.16%
QC value within limits for Cr 267.716 Recovery = 99.90%								
Cu 327.393†	78475.7	0.5287	mg/L	0.00658	0.5287	mg/L	0.00658	1.24%
QC value within limits for Cu 327.393 Recovery = 105.73%								
Fe 238.204†	66022.6	93.26	mg/L	2.356	93.26	mg/L	2.356	2.53%
QC value within limits for Fe 238.204 Recovery = 93.26%								
K 766.490†	62.6	0.0338	mg/L	0.02164	0.0338	mg/L	0.02164	64.07%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4078365.1	231.7	mg/L	0.57	231.7	mg/L	0.57	0.25%
QC value within limits for Mg 285.213 Recovery = 92.66%								
Mn 257.610†	10600.7	0.4749	mg/L	0.01176	0.4749	mg/L	0.01176	2.48%
QC value within limits for Mn 257.610 Recovery = 94.98%								
Mo 202.031†	-363.2	-0.0214	mg/L	0.00078	-0.0214	mg/L	0.00078	3.63%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	616.5	0.0568	mg/L	0.00298	0.0568	mg/L	0.00298	5.24%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	22914.0	0.9239	mg/L	0.01141	0.9239	mg/L	0.01141	1.24%
QC value within limits for Ni 231.604 Recovery = 92.39%								
Pb 220.353†	3280.9	0.9878	mg/L	0.00338	0.9878	mg/L	0.00338	0.34%

QC value within limits for Pb 220.353 Recovery = 98.78%

Sb 206.836†	53.4	0.0177 mg/L	0.00190	0.0177 mg/L	0.00190	10.73%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-130.0	-0.0128 mg/L	0.00907	-0.0128 mg/L	0.00907	71.01%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	1326.7	0.1583 mg/L	0.00141	0.1583 mg/L	0.00141	0.89%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	-30.9	-0.0009 mg/L	0.00098	-0.0009 mg/L	0.00098	113.57%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-189.4	-0.0074 mg/L	0.00522	-0.0074 mg/L	0.00522	70.80%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	38338.1	0.5048 mg/L	0.00660	0.5048 mg/L	0.00660	1.31%
QC value within limits for V 290.880 Recovery = 100.97%						
Zn 206.200†	23074.9	0.9498 mg/L	0.00382	0.9498 mg/L	0.00382	0.40%
QC value within limits for Zn 206.200 Recovery = 94.98%						
Zr 343.823†	900.2	0.0007 mg/L	0.00005	0.0007 mg/L	0.00005	7.16%

All analyte(s) passed QC.

ANALYSIS SEQUENCE

S073160

Instrument: ICP4

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073160-ICV1	QC		1		2111414	2204254	
S073160-ICB1	QC		2		2111294	2204254	
S073160-LCV1	QC		3		2202321	2204254	
S073160-CCV1	QC		4		2112026	2204254	
S073160-IFA1	QC		5		2202319	2204254	
S073160-IFB1	QC		6		2202320	2204254	
S073160-HCV1	QC		7		2201173	2204254	
S073160-HCV2	QC		8		2202322	2204254	
S073160-CCV2	QC		9		2112026	2204254	
S073160-CCB1	QC		10		2111294	2204254	
22D0541-01	Magnesium 6010 Total	C	11			2204254	
22D0541-03	Magnesium 6010 Total	C	12			2204254	
22D0541-04	Magnesium 6010 Total	C	13			2204254	
22D0541-05	Magnesium 6010 Total	C	14			2204254	
22D0541-06	Magnesium 6010 Total	C	15			2204254	
22D0541-09	Magnesium 6010 Total	C	16			2204254	
22D0541-12	Magnesium 6010 Total	C	17			2204254	
22D0541-13	Magnesium 6010 Total	C	18			2204254	
S073160-CCV3	QC		19		2112026	2204254	
S073160-CCB2	QC		20		2111294	2204254	
S073160-IFA2	QC		21		2202319	2204254	
S073160-IFB2	QC		22		2202320	2204254	

Samples Loaded By Date

Data Processed By Date

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	92684.4
-1.6	15.0	131222.9
-1.2	15.0	168270.9
-0.8	15.0	197700.8
-0.4	15.0	216882.7
0.0	15.0	220271.5
0.4	15.0	211806.7
0.8	15.0	186481.9
1.2	15.0	153512.2
1.6	15.0	113804.4
0.0	10.0	3145.3
0.0	10.5	10452.2
0.0	11.0	18734.5
0.0	11.5	27408.0
0.0	12.0	42346.9
0.0	12.5	82850.5
0.0	13.0	104774.0
0.0	13.5	137237.1
0.0	14.0	163784.1
0.0	14.5	211681.0
0.0	15.0	222203.4
0.0	15.5	218032.1
0.0	16.0	196678.2
0.0	16.5	136719.0
0.0	17.0	109577.2
0.0	17.5	75529.8
0.0	18.0	55912.4
0.0	18.5	23163.8
0.0	19.0	13607.8
0.0	19.5	8488.7
-0.8	15.0	196012.2
-0.4	15.0	215251.4
0.0	15.0	222154.4
0.4	15.0	213048.3
0.0	13.0	103140.3
0.0	13.5	135504.4
0.0	14.0	161690.3
0.0	14.5	215013.4
0.0	15.0	222931.3
0.0	15.5	216479.4
0.0	16.0	197732.6
0.0	16.5	139464.7

4/18/2022 12:36:29 PM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 222931.3 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 222931.3 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-5.9	15.0	18855.2
-5.6	15.0	31044.2
-5.4	15.0	49392.4
-5.1	15.0	68994.2
-4.9	15.0	95815.3
-4.6	15.0	127969.1
-4.4	15.0	154505.7
-4.1	15.0	179388.1
-3.9	15.0	204683.8
-3.7	15.0	217318.6
-3.4	15.0	235754.1
-3.2	15.0	259268.9
-2.9	15.0	247526.3
-2.7	15.0	240777.4
-2.4	15.0	301214.7
-2.2	15.0	422904.2
-2.0	15.0	533982.1

-1.7	15.0	600872.1
-1.5	15.0	602712.8
-1.2	15.0	592631.0
-1.0	15.0	562001.8
-0.7	15.0	538037.3
-0.5	15.0	505233.8
-0.2	15.0	468351.0
0.0	15.0	435382.2
0.2	15.0	388896.0
0.5	15.0	352992.3
0.7	15.0	315944.9
1.0	15.0	278791.8
1.2	15.0	245700.6
1.5	15.0	208442.5
1.7	15.0	183539.5
2.0	15.0	155051.8
2.2	15.0	123481.2
2.4	15.0	68419.2
2.7	15.0	31247.5
2.9	15.0	14842.2
3.2	15.0	10582.4
3.4	15.0	9922.5
3.7	15.0	8082.7
3.9	15.0	5992.3
4.1	15.0	6200.5
4.4	15.0	7015.1
4.6	15.0	4768.6
4.9	15.0	2685.8
5.1	15.0	2379.6
5.4	15.0	2353.7
5.6	15.0	2359.5
5.9	15.0	2324.5

4/18/2022 12:53:34 PM aligned for analyte Mn 257.610
X viewing position set to -1.5 mm having Peak intensity 602712.8 for Radial viewing

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Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-5.9	15.0	492.3
-5.6	15.0	661.3
-5.4	15.0	1111.2
-5.1	15.0	2246.3
-4.9	15.0	4871.3
-4.6	15.0	9913.3
-4.4	15.0	18991.8
-4.1	15.0	31278.6
-3.9	15.0	48336.2
-3.7	15.0	69473.5
-3.4	15.0	98187.6
-3.2	15.0	128371.4
-2.9	15.0	154766.6
-2.7	15.0	176828.0
-2.4	15.0	205403.4
-2.2	15.0	209804.7
-2.0	15.0	237504.4
-1.7	15.0	256332.1
-1.5	15.0	245537.0
-1.2	15.0	240543.1
-1.0	15.0	304957.2
-0.7	15.0	416046.8
-0.5	15.0	529194.1
-0.2	15.0	600248.8
0.0	15.0	601287.0
0.2	15.0	593006.4
0.5	15.0	561411.1
0.7	15.0	549074.8
1.0	15.0	497328.5
1.2	15.0	468156.1
1.5	15.0	430867.7

1.7	15.0	395902.5
2.0	15.0	350049.1
2.2	15.0	313364.7
2.4	15.0	273958.1
2.7	15.0	248515.2
2.9	15.0	206778.2
3.2	15.0	182565.5
3.4	15.0	155476.9
3.7	15.0	125234.0
3.9	15.0	69448.6
4.1	15.0	31209.4
4.4	15.0	14803.5
4.6	15.0	10449.1
4.9	15.0	9909.6
5.1	15.0	8032.5
5.4	15.0	5882.3
5.6	15.0	6297.8
5.9	15.0	6879.9

4/18/2022 12:57:51 PM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 601287.0 for Radial viewing

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Analysis Begun

Start Time: 4/18/2022 1:14:06 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: ICP4 011222 UPDATE **Method Last Saved: 4/15/2022 11:33:48 AM**
IEC File: 011122.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	No
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	No
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Zr 343.823 Lin Thru 0 Peak Area Axial Y axial Yes

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Batch ID: AVIO 500
Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/18/2022 1:14:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	395955.6	3726.80	0.94%	100	%
Y axial	1998323.9	25335.10	1.27%	100	%
Ag 328.068†	-164.0	5.76	3.52%	[0.00]	mg/L
Al 396.153†	25.8	34.30	133.03%	[0.00]	mg/L
As 188.979†	-16.4	4.28	26.15%	[0.00]	mg/L
B 208.889†	34.2	2.85	8.35%	[0.00]	mg/L
Ba 233.527†	-32.2	7.16	22.26%	[0.00]	mg/L
Be 313.107†	-151.9	28.54	18.78%	[0.00]	mg/L
Ca 317.933†	2520.5	48.06	1.91%	[0.00]	mg/L
Cd 228.802†	43.5	1.11	2.55%	[0.00]	mg/L
Co 228.616†	-47.4	3.14	6.62%	[0.00]	mg/L
Cr 267.716†	45.6	4.52	9.91%	[0.00]	mg/L
Cu 327.393†	-606.1	45.16	7.45%	[0.00]	mg/L
Fe 238.204†	48.5	5.37	11.08%	[0.00]	mg/L
K 766.490†	-60.8	40.65	66.82%	[0.00]	mg/L
Mg 285.213†	-1.6	2.27	143.31%	[0.00]	mg/L
Mn 257.610†	-45.2	5.98	13.25%	[0.00]	mg/L
Mo 202.031†	-42.8	5.52	12.91%	[0.00]	mg/L
Na 589.592†	118.9	32.96	27.73%	[0.00]	mg/L
Ni 231.604†	-181.2	14.98	8.27%	[0.00]	mg/L
Pb 220.353†	37.8	11.71	30.93%	[0.00]	mg/L
Sb 206.836†	40.3	5.54	13.75%	[0.00]	mg/L
Se 196.026†	31.1	1.44	4.64%	[0.00]	mg/L
Sn 189.927†	13.2	0.56	4.27%	[0.00]	mg/L
Ti 337.279†	-189.3	2.42	1.28%	[0.00]	mg/L
Tl 351.924†	-35.9	20.39	56.88%	[0.00]	mg/L
V 290.880†	1052.3	50.46	4.80%	[0.00]	mg/L
Zn 206.200†	35.8	2.35	6.56%	[0.00]	mg/L
Zr 343.823†	141.0	35.61	25.25%	[0.00]	mg/L

User canceled analysis.

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Analysis Begun

Start Time: 4/18/2022 1:19:43 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: AVIO 500
Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/18/2022 1:19:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

	Mean Corrected				Calib

Analyte	Intensity	Std.Dev.	RSD	Conc.	Units
Y radial	400910.6	5837.38	1.46%	101	%
Y axial	2021556.0	7138.83	0.35%	101	%
Ag 328.068†	-158.4	19.63	12.39%	[0.00]	mg/L
Al 396.153†	3.5	42.51	>999.9%	[0.00]	mg/L
As 188.979†	-22.9	4.19	18.31%	[0.00]	mg/L
B 208.889†	34.5	7.06	20.46%	[0.00]	mg/L
Ba 233.527†	-29.7	11.14	37.47%	[0.00]	mg/L
Be 313.107†	-282.3	24.97	8.85%	[0.00]	mg/L
Ca 317.933†	2745.6	48.42	1.76%	[0.00]	mg/L
Cd 228.802†	46.5	2.50	5.38%	[0.00]	mg/L
Co 228.616†	-43.6	6.87	15.76%	[0.00]	mg/L
Cr 267.716†	48.3	3.05	6.31%	[0.00]	mg/L
Cu 327.393†	-538.8	26.91	4.99%	[0.00]	mg/L
Fe 238.204†	51.2	4.58	8.95%	[0.00]	mg/L
K 766.490†	20.8	34.30	165.18%	[0.00]	mg/L
Mg 285.213†	-9.1	14.58	160.22%	[0.00]	mg/L
Mn 257.610†	-47.2	2.87	6.08%	[0.00]	mg/L
Mo 202.031†	-37.6	2.84	7.57%	[0.00]	mg/L
Na 589.592†	70.0	7.56	10.79%	[0.00]	mg/L
Ni 231.604†	-204.9	12.01	5.86%	[0.00]	mg/L
Pb 220.353†	26.9	7.56	28.08%	[0.00]	mg/L
Sb 206.836†	38.3	0.70	1.82%	[0.00]	mg/L
Se 196.026†	33.8	8.36	24.71%	[0.00]	mg/L
Sn 189.927†	11.8	1.38	11.74%	[0.00]	mg/L
Ti 337.279†	-186.0	22.91	12.32%	[0.00]	mg/L
Tl 351.924†	3.4	4.00	118.19%	[0.00]	mg/L
V 290.880†	1047.4	3.30	0.31%	[0.00]	mg/L
Zn 206.200†	32.0	3.09	9.64%	[0.00]	mg/L
Zr 343.823†	85.9	23.84	27.75%	[0.00]	mg/L

User canceled analysis.

==========

Analysis Begun

Start Time: 4/18/2022 1:26:51 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: AVIO 500
Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/18/2022 1:27:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	401102.9	3133.96	0.78%	101	%
Y axial	2036001.8	9717.91	0.48%	102	%
Ag 328.068†	-95.6	3.26	3.41%	[0.00]	mg/L
Al 396.153†	51.3	24.18	47.17%	[0.00]	mg/L
As 188.979†	-19.7	1.65	8.38%	[0.00]	mg/L
B 208.889†	39.2	4.99	12.73%	[0.00]	mg/L
Ba 233.527†	-23.6	7.48	31.71%	[0.00]	mg/L
Be 313.107†	-341.1	22.08	6.47%	[0.00]	mg/L
Ca 317.933†	2949.1	43.00	1.46%	[0.00]	mg/L
Cd 228.802†	47.3	2.82	5.96%	[0.00]	mg/L
Co 228.616†	-39.7	1.40	3.53%	[0.00]	mg/L
Cr 267.716†	34.3	2.55	7.44%	[0.00]	mg/L
Cu 327.393†	-510.7	15.38	3.01%	[0.00]	mg/L

Fe 238.204†	45.8	9.17	20.01%	[0.00]	mg/L
K 766.490†	-1.9	71.81	>999.9%	[0.00]	mg/L
Mg 285.213†	-4.6	18.15	390.98%	[0.00]	mg/L
Mn 257.610†	-50.9	10.28	20.21%	[0.00]	mg/L
Mo 202.031†	-29.5	4.54	15.39%	[0.00]	mg/L
Na 589.592†	30.7	46.86	152.47%	[0.00]	mg/L
Ni 231.604†	-239.8	11.33	4.72%	[0.00]	mg/L
Pb 220.353†	19.6	2.39	12.21%	[0.00]	mg/L
Sb 206.836†	38.1	5.53	14.53%	[0.00]	mg/L
Se 196.026†	37.0	2.69	7.28%	[0.00]	mg/L
Sn 189.927†	11.7	3.61	30.90%	[0.00]	mg/L
Ti 337.279†	-200.4	3.86	1.93%	[0.00]	mg/L
Tl 351.924†	-14.6	27.56	189.29%	[0.00]	mg/L
V 290.880†	1033.5	41.67	4.03%	[0.00]	mg/L
Zn 206.200†	30.3	3.94	13.00%	[0.00]	mg/L
Zr 343.823†	78.3	22.03	28.14%	[0.00]	mg/L

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Batch ID: AVIO 500
Sequence No.: 2 **Autosampler Location: 11**
Sample ID: SEQ-CAL1@ 2112021 **Date Collected: 4/18/2022 1:33:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: SEQ-CAL1@ 2112021

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	398444.9	5324.43	1.34%	101	%
Y axial	2017051.8	5952.95	0.30%	101	%
Ag 328.068†	1350.8	16.06	1.19%	[0.0625]	mg/L
Al 396.153†	2137.3	28.49	1.33%	[0.25]	mg/L
As 188.979†	120.0	3.25	2.71%	[0.125]	mg/L
B 208.889†	610.7	4.02	0.66%	[0.125]	mg/L
Ba 233.527†	7599.2	74.12	0.98%	[0.125]	mg/L
Be 313.107†	102013.5	787.03	0.77%	[0.125]	mg/L
Cd 228.802†	2106.8	4.29	0.20%	[0.125]	mg/L
Co 228.616†	1781.8	2.87	0.16%	[0.125]	mg/L
Cr 267.716†	4453.3	16.22	0.36%	[0.125]	mg/L
Cu 327.393†	6286.1	60.64	0.96%	[0.125]	mg/L
Fe 238.204†	1209.9	13.87	1.15%	[0.125]	mg/L
Mg 285.213†	7186.6	64.20	0.89%	[0.25]	mg/L
Mn 257.610†	6848.2	59.12	0.86%	[0.125]	mg/L
Mo 202.031†	1430.6	2.06	0.14%	[0.125]	mg/L
Ni 231.604†	2870.3	10.47	0.36%	[0.125]	mg/L
Pb 220.353†	511.8	4.21	0.82%	[0.125]	mg/L
Sb 206.836†	224.5	4.87	2.17%	[0.125]	mg/L
Se 196.026†	164.0	4.35	2.65%	[0.125]	mg/L
Sn 189.927†	474.6	3.44	0.72%	[0.125]	mg/L
Ti 337.279†	7658.6	59.29	0.77%	[0.125]	mg/L
Tl 351.924†	86.0	7.65	8.89%	[0.0625]	mg/L
V 290.880†	5790.1	57.71	1.00%	[0.125]	mg/L
Zn 206.200†	3794.9	10.20	0.27%	[0.125]	mg/L
Zr 343.823†	18868.2	295.92	1.57%	[0.125]	mg/L

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Batch ID: AVIO 500
Sequence No.: 3 **Autosampler Location: 12**
Sample ID: SEQ-CAL2@ 2112022 **Date Collected: 4/18/2022 1:40:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CAL2@ 2112022

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units

Y radial	399705.2	2777.99	0.70%	101	%
Y axial	1967857.0	30501.84	1.55%	98.5	%
Ag 328.068†	5651.4	60.90	1.08%	[0.25]	mg/L
Al 396.153†	8731.0	74.53	0.85%	[1]	mg/L
As 188.979†	507.7	10.19	2.01%	[0.5]	mg/L
B 208.889†	2583.0	48.99	1.90%	[0.5]	mg/L
Ba 233.527†	31881.5	693.26	2.17%	[0.5]	mg/L
Be 313.107†	418428.9	1949.02	0.47%	[0.5]	mg/L
Ca 317.933†	20042.5	187.82	0.94%	[1]	mg/L
Cd 228.802†	8787.8	185.50	2.11%	[0.5]	mg/L
Co 228.616†	7584.9	138.83	1.83%	[0.5]	mg/L
Cr 267.716†	18521.8	431.68	2.33%	[0.5]	mg/L
Cu 327.393†	26998.8	422.69	1.57%	[0.5]	mg/L
Fe 238.204†	4918.3	7.25	0.15%	[0.5]	mg/L
Mg 285.213†	29126.2	150.14	0.52%	[1]	mg/L
Mn 257.610†	27767.8	203.40	0.73%	[0.5]	mg/L
Mo 202.031†	6000.8	107.10	1.78%	[0.5]	mg/L
Ni 231.604†	12243.8	309.75	2.53%	[0.5]	mg/L
Pb 220.353†	2184.2	36.43	1.67%	[0.5]	mg/L
Sb 206.836†	990.6	19.55	1.97%	[0.5]	mg/L
Se 196.026†	668.9	8.82	1.32%	[0.5]	mg/L
Sn 189.927†	1993.4	32.28	1.62%	[0.5]	mg/L
Ti 337.279†	31190.7	265.91	0.85%	[0.5]	mg/L
Tl 351.924†	435.8	23.13	5.31%	[0.25]	mg/L
V 290.880†	24340.6	558.46	2.29%	[0.5]	mg/L
Zn 206.200†	16181.9	332.08	2.05%	[0.5]	mg/L
Zr 343.823†	79180.1	1597.19	2.02%	[0.5]	mg/L

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Batch ID: AVIO 500
Sequence No.: 4 **Autosampler Location: 13**
Sample ID: SEQ-CAL3@ 2112023 **Date Collected: 4/18/2022 1:47:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CAL3@ 2112023

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	395751.7	2711.98	0.69%	99.9	%
Y axial	1964498.7	6797.89	0.35%	98.3	%
Ag 328.068†	10630.0	319.30	3.00%	[0.5]	mg/L
Al 396.153†	16996.1	107.28	0.63%	[2]	mg/L
As 188.979†	990.4	3.81	0.38%	[1]	mg/L
B 208.889†	5049.6	10.64	0.21%	[1]	mg/L
Ba 233.527†	61775.9	85.17	0.14%	[1]	mg/L
Be 313.107†	828039.8	2013.68	0.24%	[1]	mg/L
Ca 317.933†	37852.9	264.61	0.70%	[2]	mg/L
Cd 228.802†	17067.3	74.18	0.43%	[1]	mg/L
Co 228.616†	14759.2	58.94	0.40%	[1]	mg/L
Cr 267.716†	35929.2	21.06	0.06%	[1]	mg/L
Cu 327.393†	52466.1	178.82	0.34%	[1]	mg/L
Fe 238.204†	9534.8	19.66	0.21%	[1]	mg/L
K 766.490†	6453.8	130.66	2.02%	[2]	mg/L
Mg 285.213†	56615.4	246.59	0.44%	[2]	mg/L
Mn 257.610†	54448.1	391.00	0.72%	[1]	mg/L
Mo 202.031†	11678.8	31.66	0.27%	[1]	mg/L
Na 589.592†	21251.0	166.94	0.79%	[2]	mg/L
Ni 231.604†	23569.0	149.73	0.64%	[1]	mg/L
Pb 220.353†	4202.1	5.87	0.14%	[1]	mg/L
Sb 206.836†	1925.4	5.37	0.28%	[1]	mg/L
Se 196.026†	1301.8	3.71	0.28%	[1]	mg/L
Sn 189.927†	3898.3	15.72	0.40%	[1]	mg/L
Ti 337.279†	61583.7	464.59	0.75%	[1]	mg/L
Tl 351.924†	853.6	8.26	0.97%	[0.5]	mg/L
V 290.880†	47775.5	93.96	0.20%	[1]	mg/L
Zn 206.200†	31274.6	173.98	0.56%	[1]	mg/L
Zr 343.823†	153827.8	423.70	0.28%	[1]	mg/L

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Batch ID: AVIO 500
Sequence No.: 5 **Autosampler Location: 5**
Sample ID: SEQ-CAL4@ 2112024 **Date Collected: 4/18/2022 1:54:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CAL4@ 2112024

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	377747.7	1882.13	0.50%	95.4	%
Y axial	1878350.6	10736.34	0.57%	94.0	%
Ag 328.068†	51067.6	513.03	1.00%	[2.5]	mg/L
Al 396.153†	86154.9	106.48	0.12%	[10]	mg/L
As 188.979†	5198.7	32.93	0.63%	[5]	mg/L
B 208.889†	26408.0	156.31	0.59%	[5]	mg/L
Ba 233.527†	313863.3	833.62	0.27%	[5]	mg/L
Be 313.107†	4326899.7	52608.99	1.22%	[5]	mg/L
Ca 317.933†	193133.3	233.63	0.12%	[10]	mg/L
Cd 228.802†	88438.9	271.16	0.31%	[5]	mg/L
Co 228.616†	74768.6	99.01	0.13%	[5]	mg/L
Cr 267.716†	184060.9	242.40	0.13%	[5]	mg/L
Cu 327.393†	268927.5	635.06	0.24%	[5]	mg/L
Fe 238.204†	49044.7	97.22	0.20%	[5]	mg/L
K 766.490†	32992.1	176.99	0.54%	[10]	mg/L
Mg 285.213†	286880.2	389.74	0.14%	[10]	mg/L
Mn 257.610†	277311.4	286.52	0.10%	[5]	mg/L
Mo 202.031†	59801.4	229.66	0.38%	[5]	mg/L
Na 589.592†	107950.9	157.76	0.15%	[10]	mg/L
Ni 231.604†	119622.8	166.24	0.14%	[5]	mg/L
Pb 220.353†	21071.8	135.62	0.64%	[5]	mg/L
Sb 206.836†	9951.4	72.05	0.72%	[5]	mg/L
Se 196.026†	6776.6	35.74	0.53%	[5]	mg/L
Sn 189.927†	19926.2	132.47	0.66%	[5]	mg/L
Ti 337.279†	316961.2	472.95	0.15%	[5]	mg/L
Tl 351.924†	4513.7	36.06	0.80%	[2.5]	mg/L
V 290.880†	249363.0	318.51	0.13%	[5]	mg/L
Zn 206.200†	160545.5	450.89	0.28%	[5]	mg/L
Zr 343.823†	783859.9	1228.26	0.16%	[5]	mg/L

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Batch ID: AVIO 500
Sequence No.: 6 **Autosampler Location: 14**
Sample ID: SEQ-CAL5@ 2112025 **Date Collected: 4/18/2022 2:00:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CAL5@ 2112025

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	381339.5	1028.40	0.27%	96.3	%
Y axial	1839960.3	8144.92	0.44%	92.1	%
Ag 328.068†	98312.2	204.36	0.21%	[5]	mg/L
Al 396.153†	169094.3	349.12	0.21%	[20]	mg/L
As 188.979†	10379.4	110.28	1.06%	[10]	mg/L
B 208.889†	52417.0	359.08	0.69%	[10]	mg/L
Ba 233.527†	610563.8	2087.08	0.34%	[10]	mg/L
Be 313.107†	8388513.5	13342.82	0.16%	[10]	mg/L
Ca 317.933†	378776.1	678.72	0.18%	[20]	mg/L
Cd 228.802†	174140.7	776.18	0.45%	[10]	mg/L
Co 228.616†	145628.1	648.32	0.45%	[10]	mg/L
Cr 267.716†	361685.7	809.79	0.22%	[10]	mg/L
Cu 327.393†	534629.2	1861.03	0.35%	[10]	mg/L

Fe 238.204†	95920.5	288.45	0.30%	[10] mg/L
K 766.490†	65478.4	36.07	0.06%	[20] mg/L
Mg 285.213†	561279.9	1115.96	0.20%	[20] mg/L
Mn 257.610†	544984.8	1130.36	0.21%	[10] mg/L
Mo 202.031†	116993.4	513.91	0.44%	[10] mg/L
Na 589.592†	211744.0	467.35	0.22%	[20] mg/L
Ni 231.604†	232218.0	954.74	0.41%	[10] mg/L
Pb 220.353†	41224.6	312.13	0.76%	[10] mg/L
Sb 206.836†	19850.2	109.47	0.55%	[10] mg/L
Se 196.026†	13543.7	60.64	0.45%	[10] mg/L
Sn 189.927†	39325.8	312.48	0.79%	[10] mg/L
Ti 337.279†	630052.0	1322.25	0.21%	[10] mg/L
Tl 351.924†	9118.4	82.76	0.91%	[5] mg/L
V 290.880†	494638.6	1616.01	0.33%	[10] mg/L
Zn 206.200†	312197.2	1407.03	0.45%	[10] mg/L
Zr 343.823†	1538802.7	4846.41	0.31%	[10] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	5	Lin Thru 0	0.0	19830	0.00000	0.999842	
Al 396.153	5	Lin Thru 0	0.0	8487	0.00000	0.999971	
As 188.979	5	Lin Thru 0	0.0	1038	0.00000	0.999991	
B 208.889	5	Lin Thru 0	0.0	5248	0.00000	0.999989	
Ba 233.527	5	Lin Thru 0	0.0	61410	0.00000	0.999937	
Be 313.107	5	Lin Thru 0	0.0	844000	0.00000	0.999920	
Ca 317.933	4	Lin Thru 0	0.0	19020	0.00000	0.999966	
Cd 228.802	5	Lin Thru 0	0.0	17470	0.00000	0.999978	
Co 228.616	5	Lin Thru 0	0.0	14640	0.00000	0.999942	
Cr 267.716	5	Lin Thru 0	0.0	36300	0.00000	0.999974	
Cu 327.393	5	Lin Thru 0	0.0	53520	0.00000	0.999995	
Fe 238.204	5	Lin Thru 0	0.0	9635	0.00000	0.999959	
K 766.490	3	Lin Thru 0	0.0	3279	0.00000	0.999994	
Mg 285.213	5	Lin Thru 0	0.0	28190	0.00000	0.999960	
Mn 257.610	5	Lin Thru 0	0.0	54690	0.00000	0.999975	
Mo 202.031	5	Lin Thru 0	0.0	11750	0.00000	0.999960	
Na 589.592	3	Lin Thru 0	0.0	10630	0.00000	0.999970	
Ni 231.604	5	Lin Thru 0	0.0	23370	0.00000	0.999926	
Pb 220.353	5	Lin Thru 0	0.0	4142	0.00000	0.999957	
Sb 206.836	5	Lin Thru 0	0.0	1986	0.00000	0.999995	
Se 196.026	5	Lin Thru 0	0.0	1354	0.00000	0.999994	
Sn 189.927	5	Lin Thru 0	0.0	3943	0.00000	0.999985	
Ti 337.279	5	Lin Thru 0	0.0	63070	0.00000	0.999995	
Tl 351.924	5	Lin Thru 0	0.0	1819	0.00000	0.999972	
V 290.880	5	Lin Thru 0	0.0	49530	0.00000	0.999989	
Zn 206.200	5	Lin Thru 0	0.0	31400	0.00000	0.999935	
Zr 343.823	5	Lin Thru 0	0.0	154500	0.00000	0.999972	

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Analysis Begun

Start Time: 4/18/2022 2:28:04 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: ICP4 011222 UPDATE* **Method Last Saved: 4/15/2022 11:33:48 AM**
IEC File: 011122.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	No
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	No
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Batch ID: AVIO 500
Sequence No.: 1 **Autosampler Location: 8**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/18/2022 2:28:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Replicate Data: SEQ-ICV@ 2111414

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y radial	399124.9	399124.9	101	%	101	%	2:29:28 PM
1	Al 396.153†	17782.6	17590.2	1.957	mg/L	1.957	mg/L	2:29:28 PM
1	Be 313.107†	1696489.3	1683359.7	1.978	mg/L	1.978	mg/L	2:29:26 PM
1	Ca 317.933†	42633.5	39345.9	2.069	mg/L	2.069	mg/L	2:29:28 PM
1	Fe 238.204†	19429.4	19229.3	1.996	mg/L	1.996	mg/L	2:29:28 PM
1	K 766.490†	6594.0	6543.6	1.996	mg/L	1.996	mg/L	2:29:28 PM
1	Mg 285.213†	57610.6	57157.8	2.003	mg/L	2.003	mg/L	2:29:28 PM

1	Mn 257.610†	108812.0	107998.9	1.975 mg/L	1.975 mg/L	2:29:28 PM
1	Na 589.592†	21148.0	20949.4	1.971 mg/L	1.971 mg/L	2:29:28 PM
1	Ti 337.279†	125377.6	124582.4	1.975 mg/L	1.975 mg/L	2:29:28 PM
1	Y axial	1962117.6	1962117.6	98.2 %	98.2 %	2:29:48 PM
1	As 188.979†	1959.8	2015.7	1.951 mg/L	1.951 mg/L	2:30:08 PM
1	B 208.889†	10257.9	10408.0	1.875 mg/L	1.875 mg/L	2:30:08 PM
1	Ba 233.527†	122504.4	124788.5	2.035 mg/L	2.035 mg/L	2:29:48 PM
1	Cd 228.802†	33914.4	34493.0	1.934 mg/L	1.934 mg/L	2:30:08 PM
1	Co 228.616†	29180.5	29758.7	2.032 mg/L	2.032 mg/L	2:30:08 PM
1	Cr 267.716†	72054.1	73349.4	2.022 mg/L	2.022 mg/L	2:29:48 PM
1	Cu 327.393†	105613.4	108073.0	2.029 mg/L	2.029 mg/L	2:29:48 PM
1	Mo 202.031†	22766.3	23215.9	1.976 mg/L	1.976 mg/L	2:30:08 PM
1	Ni 231.604†	46523.3	47621.6	2.038 mg/L	2.038 mg/L	2:29:48 PM
1	Pb 220.353†	8311.8	8445.7	2.046 mg/L	2.046 mg/L	2:30:08 PM
1	Sb 206.836†	3833.5	3866.2	1.920 mg/L	1.920 mg/L	2:30:08 PM
1	Se 196.026†	2646.2	2658.1	1.956 mg/L	1.956 mg/L	2:30:08 PM
1	Sn 189.927†	7664.4	7794.1	1.979 mg/L	1.979 mg/L	2:30:08 PM
1	Tl 351.924†	1704.4	1750.4	0.9577 mg/L	0.9577 mg/L	2:30:08 PM
1	V 290.880†	97352.8	98115.6	1.997 mg/L	1.997 mg/L	2:29:48 PM
1	Zn 206.200†	62104.6	63220.3	2.023 mg/L	2.023 mg/L	2:29:48 PM
1	Zr 343.823†	300895.9	306369.9	1.983 mg/L	1.983 mg/L	2:29:48 PM
1	Ag 328.068†	19585.0	20042.0	0.9961 mg/L	0.9961 mg/L	2:31:31 PM
2	Y radial	392574.3	392574.3	99.1 %	99.1 %	2:29:33 PM
2	Al 396.153†	17432.6	17531.5	1.950 mg/L	1.950 mg/L	2:29:33 PM
2	Be 313.107†	1693427.8	1708354.7	2.008 mg/L	2.008 mg/L	2:29:31 PM
2	Ca 317.933†	41948.7	39360.9	2.070 mg/L	2.070 mg/L	2:29:33 PM
2	Fe 238.204†	19197.6	19317.2	2.005 mg/L	2.005 mg/L	2:29:33 PM
2	K 766.490†	6419.1	6476.3	1.975 mg/L	1.975 mg/L	2:29:33 PM
2	Mg 285.213†	56921.3	57416.3	2.012 mg/L	2.012 mg/L	2:29:33 PM
2	Mn 257.610†	106866.6	107837.9	1.972 mg/L	1.972 mg/L	2:29:33 PM
2	Na 589.592†	21042.6	21193.1	1.994 mg/L	1.994 mg/L	2:29:33 PM
2	Ti 337.279†	123513.0	124777.2	1.978 mg/L	1.978 mg/L	2:29:33 PM
2	Y axial	1956323.3	1956323.3	97.9 %	97.9 %	2:30:11 PM
2	As 188.979†	1961.6	2023.4	1.959 mg/L	1.959 mg/L	2:30:31 PM
2	B 208.889†	10249.2	10430.0	1.879 mg/L	1.879 mg/L	2:30:31 PM
2	Ba 233.527†	122073.0	124717.4	2.034 mg/L	2.034 mg/L	2:30:11 PM
2	Cd 228.802†	33951.2	34632.8	1.942 mg/L	1.942 mg/L	2:30:31 PM
2	Co 228.616†	29133.3	29798.5	2.034 mg/L	2.034 mg/L	2:30:31 PM
2	Cr 267.716†	71807.9	73315.3	2.021 mg/L	2.021 mg/L	2:30:11 PM
2	Cu 327.393†	105454.0	108228.7	2.032 mg/L	2.032 mg/L	2:30:11 PM
2	Mo 202.031†	22791.3	23310.1	1.984 mg/L	1.984 mg/L	2:30:31 PM
2	Ni 231.604†	46357.5	47592.6	2.037 mg/L	2.037 mg/L	2:30:11 PM
2	Pb 220.353†	8284.0	8442.3	2.046 mg/L	2.046 mg/L	2:30:31 PM
2	Sb 206.836†	3844.8	3889.3	1.932 mg/L	1.932 mg/L	2:30:31 PM
2	Se 196.026†	2647.7	2667.6	1.963 mg/L	1.963 mg/L	2:30:31 PM
2	Sn 189.927†	7686.9	7840.2	1.991 mg/L	1.991 mg/L	2:30:31 PM
2	Tl 351.924†	1735.1	1786.9	0.9778 mg/L	0.9778 mg/L	2:30:31 PM
2	V 290.880†	96905.3	97952.2	1.993 mg/L	1.993 mg/L	2:30:11 PM
2	Zn 206.200†	61825.9	63122.9	2.020 mg/L	2.020 mg/L	2:30:11 PM
2	Zr 343.823†	300405.6	306776.7	1.986 mg/L	1.986 mg/L	2:30:11 PM
2	Ag 328.068†	19300.8	19810.8	0.9844 mg/L	0.9844 mg/L	2:31:33 PM
3	Y radial	392934.5	392934.5	99.2 %	99.2 %	2:29:37 PM
3	Al 396.153†	17427.4	17510.2	1.946 mg/L	1.946 mg/L	2:29:37 PM
3	Be 313.107†	1689301.4	1702630.9	2.001 mg/L	2.001 mg/L	2:29:35 PM
3	Ca 317.933†	41776.0	39148.1	2.059 mg/L	2.059 mg/L	2:29:37 PM
3	Fe 238.204†	19172.0	19273.6	2.000 mg/L	2.000 mg/L	2:29:37 PM
3	K 766.490†	6518.6	6570.7	2.004 mg/L	2.004 mg/L	2:29:37 PM
3	Mg 285.213†	56826.9	57268.5	2.007 mg/L	2.007 mg/L	2:29:37 PM
3	Mn 257.610†	106841.4	107713.7	1.969 mg/L	1.969 mg/L	2:29:37 PM
3	Na 589.592†	20987.3	21118.0	1.987 mg/L	1.987 mg/L	2:29:37 PM
3	Ti 337.279†	123291.8	124440.1	1.972 mg/L	1.972 mg/L	2:29:37 PM
3	Y axial	1930654.6	1930654.6	96.6 %	96.6 %	2:30:34 PM
3	As 188.979†	1973.5	2062.4	1.996 mg/L	1.996 mg/L	2:30:54 PM
3	B 208.889†	10287.1	10608.4	1.911 mg/L	1.911 mg/L	2:30:54 PM
3	Ba 233.527†	120988.4	125252.7	2.042 mg/L	2.042 mg/L	2:30:34 PM
3	Cd 228.802†	33978.2	35121.8	1.969 mg/L	1.969 mg/L	2:30:54 PM
3	Co 228.616†	29178.4	30240.8	2.065 mg/L	2.065 mg/L	2:30:54 PM
3	Cr 267.716†	71185.5	73646.2	2.031 mg/L	2.031 mg/L	2:30:34 PM
3	Cu 327.393†	104136.9	108297.6	2.033 mg/L	2.033 mg/L	2:30:34 PM
3	Mo 202.031†	22815.7	23644.9	2.012 mg/L	2.012 mg/L	2:30:54 PM

3	Ni 231.604†	45859.5	47706.7	2.042 mg/L	2.042 mg/L	2:30:34 PM
3	Pb 220.353†	8292.8	8563.9	2.075 mg/L	2.075 mg/L	2:30:54 PM
3	Sb 206.836†	3826.1	3922.2	1.948 mg/L	1.948 mg/L	2:30:54 PM
3	Se 196.026†	2642.9	2698.5	1.986 mg/L	1.986 mg/L	2:30:54 PM
3	Sn 189.927†	7668.5	7925.6	2.012 mg/L	2.012 mg/L	2:30:54 PM
3	Tl 351.924†	1759.3	1835.5	1.005 mg/L	1.005 mg/L	2:30:54 PM
3	V 290.880†	95873.1	98199.9	1.999 mg/L	1.999 mg/L	2:30:34 PM
3	Zn 206.200†	61297.4	63415.5	2.029 mg/L	2.029 mg/L	2:30:34 PM
3	Zr 343.823†	296708.4	307029.7	1.988 mg/L	1.988 mg/L	2:30:34 PM
3	Ag 328.068†	18778.0	19531.8	0.9703 mg/L	0.9703 mg/L	2:31:36 PM
4	Y radial	396030.2	396030.2	100 %	100 %	2:29:42 PM
4	Al 396.153†	17676.0	17621.4	1.960 mg/L	1.960 mg/L	2:29:42 PM
4	Be 313.107†	1691680.6	1691703.4	1.988 mg/L	1.988 mg/L	2:29:40 PM
4	Ca 317.933†	42138.4	39181.4	2.061 mg/L	2.061 mg/L	2:29:42 PM
4	Fe 238.204†	19325.5	19276.1	2.001 mg/L	2.001 mg/L	2:29:42 PM
4	K 766.490†	6490.0	6490.7	1.980 mg/L	1.980 mg/L	2:29:42 PM
4	Mg 285.213†	57281.3	57275.1	2.007 mg/L	2.007 mg/L	2:29:42 PM
4	Mn 257.610†	107653.2	107683.8	1.969 mg/L	1.969 mg/L	2:29:42 PM
4	Na 589.592†	21077.6	21042.9	1.980 mg/L	1.980 mg/L	2:29:42 PM
4	Ti 337.279†	124616.4	124793.3	1.978 mg/L	1.978 mg/L	2:29:42 PM
4	Y axial	1946667.7	1946667.7	97.4 %	97.4 %	2:30:57 PM
4	As 188.979†	1974.5	2046.6	1.981 mg/L	1.981 mg/L	2:31:17 PM
4	B 208.889†	10298.4	10532.5	1.898 mg/L	1.898 mg/L	2:31:17 PM
4	Ba 233.527†	121561.1	124810.4	2.035 mg/L	2.035 mg/L	2:30:57 PM
4	Cd 228.802†	33995.3	34850.1	1.953 mg/L	1.953 mg/L	2:31:17 PM
4	Co 228.616†	29207.4	30022.2	2.050 mg/L	2.050 mg/L	2:31:17 PM
4	Cr 267.716†	71497.1	73360.0	2.023 mg/L	2.023 mg/L	2:30:57 PM
4	Cu 327.393†	104615.3	107902.0	2.026 mg/L	2.026 mg/L	2:30:57 PM
4	Mo 202.031†	22840.9	23476.5	1.998 mg/L	1.998 mg/L	2:31:17 PM
4	Ni 231.604†	46025.2	47486.4	2.032 mg/L	2.032 mg/L	2:30:57 PM
4	Pb 220.353†	8330.6	8532.1	2.067 mg/L	2.067 mg/L	2:31:17 PM
4	Sb 206.836†	3836.4	3900.1	1.937 mg/L	1.937 mg/L	2:31:17 PM
4	Se 196.026†	2662.4	2696.1	1.984 mg/L	1.984 mg/L	2:31:17 PM
4	Sn 189.927†	7696.9	7889.4	2.003 mg/L	2.003 mg/L	2:31:17 PM
4	Tl 351.924†	1743.7	1804.5	0.9875 mg/L	0.9875 mg/L	2:31:17 PM
4	V 290.880†	96640.7	98171.6	1.998 mg/L	1.998 mg/L	2:30:57 PM
4	Zn 206.200†	61505.6	63107.3	2.019 mg/L	2.019 mg/L	2:30:57 PM
4	Zr 343.823†	298337.8	306176.1	1.982 mg/L	1.982 mg/L	2:30:57 PM
4	Ag 328.068†	19380.0	19989.9	0.9935 mg/L	0.9935 mg/L	2:31:39 PM

Mean Data: SEQ-ICV@ 2111414

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	395166.0	99.8	%	0.77	99.8	%	0.77	0.77%
Y axial	1948940.8	97.5	%	0.69	97.5	%	0.69	0.71%
Ag 328.068†	19843.6	0.9861	mg/L	0.01163	0.9861	mg/L	0.01163	1.18%
QC value within limits for Ag 328.068 Recovery = 98.61%								
Al 396.153†	17563.3	1.953	mg/L	0.0064	1.953	mg/L	0.0064	0.33%
QC value within limits for Al 396.153 Recovery = 97.67%								
As 188.979†	2037.0	1.972	mg/L	0.0206	1.972	mg/L	0.0206	1.04%
QC value within limits for As 188.979 Recovery = 98.59%								
B 208.889†	10494.7	1.891	mg/L	0.0169	1.891	mg/L	0.0169	0.89%
QC value less than the lower limit for B 208.889 Recovery = 94.54% 6010 OK								
Ba 233.527†	124892.2	2.036	mg/L	0.0040	2.036	mg/L	0.0040	0.20%
QC value within limits for Ba 233.527 Recovery = 101.82%								
Be 313.107†	1696512.2	1.993	mg/L	0.0132	1.993	mg/L	0.0132	0.66%
QC value within limits for Be 313.107 Recovery = 99.67%								
Ca 317.933†	39259.1	2.065	mg/L	0.0058	2.065	mg/L	0.0058	0.28%
QC value within limits for Ca 317.933 Recovery = 103.23%								
Cd 228.802†	34774.4	1.949	mg/L	0.0152	1.949	mg/L	0.0152	0.78%
QC value within limits for Cd 228.802 Recovery = 97.47%								
Co 228.616†	29955.0	2.045	mg/L	0.0153	2.045	mg/L	0.0153	0.75%
QC value within limits for Co 228.616 Recovery = 102.25%								
Cr 267.716†	73417.8	2.024	mg/L	0.0042	2.024	mg/L	0.0042	0.21%
QC value within limits for Cr 267.716 Recovery = 101.21%								
Cu 327.393†	108125.3	2.030	mg/L	0.0033	2.030	mg/L	0.0033	0.16%
QC value within limits for Cu 327.393 Recovery = 101.49%								
Fe 238.204†	19274.1	2.000	mg/L	0.0037	2.000	mg/L	0.0037	0.19%
QC value within limits for Fe 238.204 Recovery = 100.02%								

K 766.490†	6520.3	1.989 mg/L	0.0135	1.989 mg/L	0.0135	0.68%
QC value within limits for K 766.490 Recovery = 99.44%						
Mg 285.213†	57279.4	2.007 mg/L	0.0037	2.007 mg/L	0.0037	0.19%
QC value within limits for Mg 285.213 Recovery = 100.37%						
Mn 257.610†	107808.6	1.971 mg/L	0.0026	1.971 mg/L	0.0026	0.13%
QC value within limits for Mn 257.610 Recovery = 98.56%						
Mo 202.031†	23411.9	1.992 mg/L	0.0161	1.992 mg/L	0.0161	0.81%
QC value within limits for Mo 202.031 Recovery = 99.61%						
Na 589.592†	21075.8	1.983 mg/L	0.0098	1.983 mg/L	0.0098	0.49%
QC value within limits for Na 589.592 Recovery = 99.15%						
Ni 231.604†	47601.8	2.037 mg/L	0.0039	2.037 mg/L	0.0039	0.19%
QC value within limits for Ni 231.604 Recovery = 101.86%						
Pb 220.353†	8496.0	2.059 mg/L	0.0149	2.059 mg/L	0.0149	0.72%
QC value within limits for Pb 220.353 Recovery = 102.93%						
Sb 206.836†	3894.4	1.934 mg/L	0.0117	1.934 mg/L	0.0117	0.60%
QC value within limits for Sb 206.836 Recovery = 96.72%						
Se 196.026†	2680.1	1.972 mg/L	0.0150	1.972 mg/L	0.0150	0.76%
QC value within limits for Se 196.026 Recovery = 98.61%						
Sn 189.927†	7862.3	1.996 mg/L	0.0146	1.996 mg/L	0.0146	0.73%
QC value within limits for Sn 189.927 Recovery = 99.82%						
Ti 337.279†	124648.3	1.976 mg/L	0.0027	1.976 mg/L	0.0027	0.14%
QC value within limits for Ti 337.279 Recovery = 98.78%						
Tl 351.924†	1794.3	0.9819 mg/L	0.01954	0.9819 mg/L	0.01954	1.99%
QC value within limits for Tl 351.924 Recovery = 98.19%						
V 290.880†	98109.8	1.997 mg/L	0.0023	1.997 mg/L	0.0023	0.12%
QC value within limits for V 290.880 Recovery = 99.83%						
Zn 206.200†	63216.5	2.023 mg/L	0.0045	2.023 mg/L	0.0045	0.22%
QC value within limits for Zn 206.200 Recovery = 101.13%						
Zr 343.823†	306588.1	1.985 mg/L	0.0025	1.985 mg/L	0.0025	0.13%
QC value within limits for Zr 343.823 Recovery = 99.24%						

QC Failed. Continue with analysis.
User canceled analysis.

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Analysis Begun

Start Time: 4/18/2022 2:37:16 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Method Loaded
Method Name: ICP4 011222 UPDATE* **Method Last Saved: 4/18/2022 2:31:59 PM**
IEC File: 011122.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	No
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	No
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

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Batch ID: AVIO 500
Sequence No.: 2 **Autosampler Location: 15**
Sample ID: SEQ-ICV@Pb@ 21201355 **Date Collected: 4/18/2022 2:37:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-ICV@Pb@ 21201355

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	412976.0	104	%	0.78	104	%	0.78	0.75%
Y axial	2085090.1	104	%	1.35	104	%	1.35	1.29%
Ag 328.068†	20.0	0.0010	mg/L	0.00045	0.0010	mg/L	0.00045	45.03%
Al 396.153†	2.6	0.0002	mg/L	0.00273	0.0002	mg/L	0.00273	>999.9%
As 188.979†	2.0	0.0019	mg/L	0.00285	0.0019	mg/L	0.00285	147.12%
B 208.889†	3.6	0.0006	mg/L	0.00144	0.0006	mg/L	0.00144	242.88%
Ba 233.527†	15.6	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.28%
Be 313.107†	154.3	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	54.54%
Ca 317.933†	310.1	0.0163	mg/L	0.00135	0.0163	mg/L	0.00135	8.28%
Cd 228.802†	12.1	0.0006	mg/L	0.00018	0.0006	mg/L	0.00018	27.75%
Co 228.616†	9.9	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	18.97%
Cr 267.716†	1.3	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	215.46%
Cu 327.393†	87.2	0.0016	mg/L	0.00048	0.0016	mg/L	0.00048	29.72%
Fe 238.204†	3.7	0.0004	mg/L	0.00066	0.0004	mg/L	0.00066	172.13%
K 766.490†	367.1	0.1120	mg/L	0.03125	0.1120	mg/L	0.03125	27.91%
Mg 285.213†	44.1	0.0016	mg/L	0.00027	0.0016	mg/L	0.00027	16.97%
Mn 257.610†	13.8	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	45.05%
Mo 202.031†	19.4	0.0016	mg/L	0.00015	0.0016	mg/L	0.00015	9.30%
Na 589.592†	131.4	0.0124	mg/L	0.00351	0.0124	mg/L	0.00351	28.35%
Ni 231.604†	-12.7	-0.0005	mg/L	0.00013	-0.0005	mg/L	0.00013	23.60%
Pb 220.353†	4358.4	1.052	mg/L	0.0074	1.052	mg/L	0.0074	0.71%
QC value within limits for Pb 220.353 Recovery = 105.23%								
Sb 206.836†	-9.1	-0.0046	mg/L	0.00369	-0.0046	mg/L	0.00369	80.31%
Se 196.026†	-1.4	-0.0010	mg/L	0.00508	-0.0010	mg/L	0.00508	501.52%
Sn 189.927†	-1.3	-0.0003	mg/L	0.00130	-0.0003	mg/L	0.00130	398.36%
Ti 337.279†	-2.0	-0.0000	mg/L	0.00029	-0.0000	mg/L	0.00029	926.83%
Tl 351.924†	9.3	0.0051	mg/L	0.01678	0.0051	mg/L	0.01678	329.74%
V 290.880†	-7.1	-0.0001	mg/L	0.00022	-0.0001	mg/L	0.00022	166.62%
Zn 206.200†	-11.8	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	7.78%
Zr 343.823†	-12.1	-0.0001	mg/L	0.00021	-0.0001	mg/L	0.00021	275.43%

All analyte(s) passed QC.

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Batch ID: AVIO 500
Sequence No.: 3 **Autosampler Location: 1**
Sample ID: SEQ-ICB@ 2111294 **Date Collected: 4/18/2022 2:45:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-ICB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD

Y radial	401446.4	101 %	0.63	101 %	0.63	0.62%	
Y axial	2029087.3	102 %	0.19	102 %	0.19	0.18%	
Ag 328.068†	32.6	0.0016 mg/L	0.00071	0.0016 mg/L	0.00071	43.41%	
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 396.153†	-39.8	-0.0047 mg/L	0.00036	-0.0047 mg/L	0.00036	7.54%	
QC value within limits for Al 396.153 Recovery = Not calculated							
As 188.979†	-4.0	-0.0039 mg/L	0.00379	-0.0039 mg/L	0.00379	98.10%	
QC value within limits for As 188.979 Recovery = Not calculated							
B 208.889†	-1.4	-0.0003 mg/L	0.00066	-0.0003 mg/L	0.00066	228.99%	
QC value within limits for B 208.889 Recovery = Not calculated							
Ba 233.527†	0.4	0.0000 mg/L	0.00021	0.0000 mg/L	0.00021	>999.9%	
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	3.2	-0.0000 mg/L	0.00002	-0.0000 mg/L	0.00002	689.56%	
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 317.933†	308.4	0.0162 mg/L	0.00092	0.0162 mg/L	0.00092	5.64%	
QC value within limits for Ca 317.933 Recovery = Not calculated							
Cd 228.802†	7.0	0.0005 mg/L	0.00019	0.0005 mg/L	0.00019	36.46%	
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	6.1	0.0004 mg/L	0.00039	0.0004 mg/L	0.00039	92.49%	
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-6.1	-0.0002 mg/L	0.00007	-0.0002 mg/L	0.00007	42.54%	
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	14.8	0.0003 mg/L	0.00058	0.0003 mg/L	0.00058	210.13%	
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 238.204†	-2.8	-0.0003 mg/L	0.00002	-0.0003 mg/L	0.00002	7.21%	
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	7.8	0.0024 mg/L	0.01755	0.0024 mg/L	0.01755	735.25%	
QC value within limits for K 766.490 Recovery = Not calculated							
Mg 285.213†	3.4	0.0001 mg/L	0.00023	0.0001 mg/L	0.00023	182.53%	
QC value within limits for Mg 285.213 Recovery = Not calculated							
Mn 257.610†	1.9	0.0000 mg/L	0.00007	0.0000 mg/L	0.00007	184.27%	
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	5.2	0.0004 mg/L	0.00044	0.0004 mg/L	0.00044	99.53%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	35.0	0.0033 mg/L	0.00519	0.0033 mg/L	0.00519	157.38%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-18.2	-0.0008 mg/L	0.00014	-0.0008 mg/L	0.00014	18.51%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-21.3	-0.0051 mg/L	0.00120	-0.0051 mg/L	0.00120	23.36%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-2.7	-0.0014 mg/L	0.00279	-0.0014 mg/L	0.00279	202.51%	
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	-0.0	-0.0000 mg/L	0.00147	-0.0000 mg/L	0.00147	>999.9%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	-1.1	-0.0003 mg/L	0.00043	-0.0003 mg/L	0.00043	155.27%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	-11.0	-0.0002 mg/L	0.00020	-0.0002 mg/L	0.00020	112.16%	
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 351.924†	-9.1	-0.0050 mg/L	0.02394	-0.0050 mg/L	0.02394	479.36%	
QC value within limits for Tl 351.924 Recovery = Not calculated							
V 290.880†	34.9	0.0007 mg/L	0.00038	0.0007 mg/L	0.00038	53.66%	
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	-3.1	-0.0001 mg/L	0.00011	-0.0001 mg/L	0.00011	106.39%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
Zr 343.823†	-36.7	-0.0002 mg/L	0.00009	-0.0002 mg/L	0.00009	38.14%	

All analyte(s) passed QC.

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Batch ID: AVIO 500
Sequence No.: 4 **Autosampler Location: 16**
Sample ID: SEQ-LCV@ 2202321 **Date Collected: 4/18/2022 2:51:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: SEQ-LCV@ 2202321

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD

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Y radial              398207.3         101 %             1.10         101 %             1.10   1.09%
Y axial              1994446.6        99.8 %             0.53        99.8 %             0.53   0.53%
Ag 328.068†              197.2      0.0100 mg/L       0.00105      0.0100 mg/L       0.00105  10.58%
   QC value within limits for Ag 328.068  Recovery = 99.62%
Al 396.153†              444.0      0.0498 mg/L       0.00159      0.0498 mg/L       0.00159   3.18%
   QC value within limits for Al 396.153  Recovery = 99.63%
As 188.979†               8.8       0.0084 mg/L       0.00273      0.0084 mg/L       0.00273  32.42%
   QC value within limits for As 188.979  Recovery = 84.25%
B 208.889†               527.6      0.0975 mg/L       0.00104      0.0975 mg/L       0.00104   1.07%
   QC value within limits for B 208.889  Recovery = 97.51%
Ba 233.527†             3346.0      0.0545 mg/L       0.00066      0.0545 mg/L       0.00066   1.20%
   QC value within limits for Ba 233.527  Recovery = 109.05%
Be 313.107†             3683.0      0.0043 mg/L       0.00005      0.0043 mg/L       0.00005   1.10%
   QC value within limits for Be 313.107  Recovery = 106.52%
Ca 317.933†            10916.0      0.5741 mg/L       0.00307      0.5741 mg/L       0.00307   0.54%
   QC value within limits for Ca 317.933  Recovery = 114.81%
Cd 228.802†               83.9      0.0047 mg/L       0.00011      0.0047 mg/L       0.00011   2.39%
   QC value within limits for Cd 228.802  Recovery = 116.84%
Co 228.616†              166.7      0.0115 mg/L       0.00042      0.0115 mg/L       0.00042   3.66%
   QC value within limits for Co 228.616  Recovery = 114.54%
Cr 267.716†              396.5      0.0109 mg/L       0.00006      0.0109 mg/L       0.00006   0.53%
   QC value within limits for Cr 267.716  Recovery = 109.20%
Cu 327.393†              595.4      0.0112 mg/L       0.00071      0.0112 mg/L       0.00071   6.32%
   QC value within limits for Cu 327.393  Recovery = 112.02%
Fe 238.204†              523.8      0.0544 mg/L       0.00104      0.0544 mg/L       0.00104   1.91%
   QC value within limits for Fe 238.204  Recovery = 108.73%
K 766.490†              6918.6       2.110 mg/L        0.0275       2.110 mg/L        0.0275   1.30%
   QC value within limits for K 766.490  Recovery = 105.51%
Mg 285.213†             1589.6      0.0564 mg/L       0.00045      0.0564 mg/L       0.00045   0.79%
   QC value within limits for Mg 285.213  Recovery = 112.85%
Mn 257.610†              597.5      0.0109 mg/L       0.00017      0.0109 mg/L       0.00017   1.57%
   QC value within limits for Mn 257.610  Recovery = 109.25%
Mo 202.031†              651.1      0.0554 mg/L       0.00043      0.0554 mg/L       0.00043   0.78%
   QC value within limits for Mo 202.031  Recovery = 110.81%
Na 589.592†            22514.7       2.118 mg/L        0.0048       2.118 mg/L        0.0048   0.22%
   QC value within limits for Na 589.592  Recovery = 105.91%
Ni 231.604†              242.1      0.0104 mg/L       0.00018      0.0104 mg/L       0.00018   1.76%
   QC value within limits for Ni 231.604  Recovery = 103.67%
Pb 220.353†               29.5      0.0073 mg/L       0.00196      0.0073 mg/L       0.00196  26.79%
   QC value less than the lower limit for Pb 220.353  Recovery = 73.05%
Sb 206.836†               93.2      0.0471 mg/L       0.00141      0.0471 mg/L       0.00141   3.00%
   QC value within limits for Sb 206.836  Recovery = 94.13%
Se 196.026†               67.4      0.0496 mg/L       0.00507      0.0496 mg/L       0.00507  10.24%
   QC value within limits for Se 196.026  Recovery = 99.10%
Sn 189.927†              417.7      0.1060 mg/L       0.00149      0.1060 mg/L       0.00149   1.40%
   QC value within limits for Sn 189.927  Recovery = 106.00%
Ti 337.279†             1359.8      0.0216 mg/L       0.00045      0.0216 mg/L       0.00045   2.10%
   QC value within limits for Ti 337.279  Recovery = 107.87%
Tl 351.924†               60.8      0.0334 mg/L       0.02562      0.0334 mg/L       0.02562  76.73%
   QC value less than the lower limit for Tl 351.924  Recovery = 66.77%
V 290.880†               566.0      0.0118 mg/L       0.00038      0.0118 mg/L       0.00038   3.25%
   QC value within limits for V 290.880  Recovery = 117.93%
Zn 206.200†              355.9      0.0114 mg/L       0.00007      0.0114 mg/L       0.00007   0.65%
   QC value within limits for Zn 206.200  Recovery = 113.79%
Zr 343.823†               -5.0     -0.0000 mg/L       0.00011     -0.0000 mg/L       0.00011 324.49%
QC Failed.  Continue with analysis.
User canceled analysis.

================================================================================================
Analysis Begun

Start Time: 4/18/2022 3:07:17 PM                  Plasma On Time: 4/18/2022 12:06:08 PM
Originator: Avio500                               Technique: ICP Continuous
Spectrometer: Avio 500, S/N No Serial #           Autosampler: S23

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\
                         0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb
```

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Analysis Begun

Start Time: 4/18/2022 3:39:08 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: AVIO 500
Sequence No.: 5 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/18/2022 3:39:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	386861.3	97.7	%	1.29	97.7	%	1.29	1.32%
Y axial	1896080.7	94.9	%	0.72	94.9	%	0.72	0.76%
Ag 328.068†	45070.3	2.237	mg/L	0.0112	2.237	mg/L	0.0112	0.50%
QC value less than the lower limit for Ag 328.068 Recovery = 89.48%								
Al 396.153†	83812.1	9.589	mg/L	0.0271	9.589	mg/L	0.0271	0.28%
QC value within limits for Al 396.153 Recovery = 95.89%								
As 188.979†	5028.8	4.868	mg/L	0.0150	4.868	mg/L	0.0150	0.31%
QC value within limits for As 188.979 Recovery = 97.37%								
B 208.889†	25451.1	4.581	mg/L	0.0337	4.581	mg/L	0.0337	0.74%
QC value within limits for B 208.889 Recovery = 91.63%								
Ba 233.527†	305275.6	4.978	mg/L	0.0274	4.978	mg/L	0.0274	0.55%
QC value within limits for Ba 233.527 Recovery = 99.55%								
Be 313.107†	4216000.9	4.954	mg/L	0.0959	4.954	mg/L	0.0959	1.94%
QC value within limits for Be 313.107 Recovery = 99.07%								
Ca 317.933†	189239.2	9.952	mg/L	0.0154	9.952	mg/L	0.0154	0.15%
QC value within limits for Ca 317.933 Recovery = 99.52%								
Cd 228.802†	85779.3	4.808	mg/L	0.0293	4.808	mg/L	0.0293	0.61%
QC value within limits for Cd 228.802 Recovery = 96.16%								
Co 228.616†	72215.8	4.930	mg/L	0.0235	4.930	mg/L	0.0235	0.48%
QC value within limits for Co 228.616 Recovery = 98.61%								
Cr 267.716†	180471.4	4.976	mg/L	0.0247	4.976	mg/L	0.0247	0.50%
QC value within limits for Cr 267.716 Recovery = 99.51%								
Cu 327.393†	265987.1	4.993	mg/L	0.0335	4.993	mg/L	0.0335	0.67%
QC value within limits for Cu 327.393 Recovery = 99.87%								
Fe 238.204†	47380.9	4.918	mg/L	0.0069	4.918	mg/L	0.0069	0.14%
QC value within limits for Fe 238.204 Recovery = 98.35%								
K 766.490†	31277.3	9.540	mg/L	0.0254	9.540	mg/L	0.0254	0.27%
QC value within limits for K 766.490 Recovery = 95.40%								
Mg 285.213†	279952.6	9.870	mg/L	0.0297	9.870	mg/L	0.0297	0.30%
QC value within limits for Mg 285.213 Recovery = 98.70%								
Mn 257.610†	270392.0	4.944	mg/L	0.0090	4.944	mg/L	0.0090	0.18%
QC value within limits for Mn 257.610 Recovery = 98.88%								
Mo 202.031†	57654.2	4.906	mg/L	0.0173	4.906	mg/L	0.0173	0.35%
QC value within limits for Mo 202.031 Recovery = 98.12%								
Na 589.592†	101861.5	9.584	mg/L	0.0277	9.584	mg/L	0.0277	0.29%
QC value within limits for Na 589.592 Recovery = 95.84%								
Ni 231.604†	115702.6	4.952	mg/L	0.0264	4.952	mg/L	0.0264	0.53%
QC value within limits for Ni 231.604 Recovery = 99.03%								
Pb 220.353†	20420.6	4.949	mg/L	0.0318	4.949	mg/L	0.0318	0.64%
QC value within limits for Pb 220.353 Recovery = 98.99%								

Sb 206.836† 9606.1 4.772 mg/L 0.0243 4.772 mg/L 0.0243 0.51%
QC value within limits for Sb 206.836 Recovery = 95.45%
Se 196.026† 6566.3 4.831 mg/L 0.0284 4.831 mg/L 0.0284 0.59%
QC value within limits for Se 196.026 Recovery = 96.63%
Sn 189.927† 19537.1 4.961 mg/L 0.0260 4.961 mg/L 0.0260 0.52%
QC value within limits for Sn 189.927 Recovery = 99.22%
Ti 337.279† 310658.8 4.924 mg/L 0.0044 4.924 mg/L 0.0044 0.09%
QC value within limits for Ti 337.279 Recovery = 98.47%
Tl 351.924† 4448.9 2.434 mg/L 0.0145 2.434 mg/L 0.0145 0.59%
QC value within limits for Tl 351.924 Recovery = 97.37%
V 290.880† 246626.4 5.018 mg/L 0.0300 5.018 mg/L 0.0300 0.60%
QC value within limits for V 290.880 Recovery = 100.36%
Zn 206.200† 154959.8 4.958 mg/L 0.0227 4.958 mg/L 0.0227 0.46%
QC value within limits for Zn 206.200 Recovery = 99.16%
Zr 343.823† 758253.4 4.909 mg/L 0.0329 4.909 mg/L 0.0329 0.67%
QC value within limits for Zr 343.823 Recovery = 98.18%
QC Failed. Continue with analysis.

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Batch ID: AVIO 500
Sequence No.: 6
Sample ID: SEQ-IFA@ 2202319
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 200

Autosampler Location: 17
Date Collected: 4/18/2022 3:46:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	358972.9	90.7	%	0.72	90.7	%	0.72	0.80%
Y axial	1709223.6	85.5	%	0.66	85.5	%	0.66	0.77%
Ag 328.068†	-248.6	-0.0070	mg/L	0.00067	-0.0070	mg/L	0.00067	9.61%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	2102639.7	247.7	mg/L	0.55	247.7	mg/L	0.55	0.22%
QC value within limits for Al 396.153 Recovery = 99.09%								
As 188.979†	-23.4	0.0013	mg/L	0.00482	0.0013	mg/L	0.00482	368.16%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	24.3	0.0052	mg/L	0.00072	0.0052	mg/L	0.00072	13.80%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	450.2	0.0074	mg/L	0.00003	0.0074	mg/L	0.00003	0.41%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	671.7	0.0004	mg/L	0.00005	0.0004	mg/L	0.00005	12.77%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	4639113.0	244.0	mg/L	0.58	244.0	mg/L	0.58	0.24%
QC value within limits for Ca 317.933 Recovery = 97.59%								
Cd 228.802†	30.0	0.0032	mg/L	0.00019	0.0032	mg/L	0.00019	5.75%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-64.1	0.0006	mg/L	0.00073	0.0006	mg/L	0.00073	126.27%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	217.5	0.0006	mg/L	0.00015	0.0006	mg/L	0.00015	24.92%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-503.2	-0.0090	mg/L	0.00030	-0.0090	mg/L	0.00030	3.31%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	918564.4	95.34	mg/L	0.208	95.34	mg/L	0.208	0.22%
QC value within limits for Fe 238.204 Recovery = 95.34%								
K 766.490†	234.7	0.0716	mg/L	0.03012	0.0716	mg/L	0.03012	42.07%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	6457440.8	229.1	mg/L	0.69	229.1	mg/L	0.69	0.30%
QC value within limits for Mg 285.213 Recovery = 91.65%								
Mn 257.610†	-110.8	-0.0020	mg/L	0.00040	-0.0020	mg/L	0.00040	19.87%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-127.4	-0.0108	mg/L	0.00228	-0.0108	mg/L	0.00228	21.05%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	670.0	0.0630	mg/L	0.00288	0.0630	mg/L	0.00288	4.57%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-238.5	-0.0067	mg/L	0.00032	-0.0067	mg/L	0.00032	4.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-147.8	-0.0069	mg/L	0.00288	-0.0069	mg/L	0.00288	41.92%

QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† -15.3 0.0037 mg/L 0.00212 0.0037 mg/L 0.00212 57.19%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -79.2 -0.0014 mg/L 0.00480 -0.0014 mg/L 0.00480 334.05%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† -59.7 -0.0152 mg/L 0.00130 -0.0152 mg/L 0.00130 8.58%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† 33.1 0.0005 mg/L 0.00114 0.0005 mg/L 0.00114 218.99%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† -119.1 -0.0217 mg/L 0.00439 -0.0217 mg/L 0.00439 20.23%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† 2290.6 0.0206 mg/L 0.00196 0.0206 mg/L 0.00196 9.51%
QC value greater than the upper limit for V 290.880 Recovery = Not calculated Ok for soil 6010
Zn 206.200† 156.1 0.0050 mg/L 0.00015 0.0050 mg/L 0.00015 2.90%
QC value within limits for Zn 206.200 Recovery = Not calculated
Zr 343.823† 408.3 0.0009 mg/L 0.00010 0.0009 mg/L 0.00010 11.25%
QC Failed. Continue with analysis.

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Batch ID: AVIO 500
Sequence No.: 7
Sample ID: SEQ-IFB@ 2202320
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 100

Autosampler Location: 18
Date Collected: 4/18/2022 3:51:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	352200.0	88.9	%	0.54	88.9	%	0.54	0.60%
Y axial	1684970.4	84.3	%	0.70	84.3	%	0.70	0.83%
Ag 328.068†	19714.2	0.9999	mg/L	0.01817	0.9999	mg/L	0.01817	1.82%
QC value within limits for Ag 328.068 Recovery = 99.99%								
Al 396.153†	2146779.9	252.9	mg/L	0.18	252.9	mg/L	0.18	0.07%
QC value within limits for Al 396.153 Recovery = 101.17%								
As 188.979†	-29.5	-0.0042	mg/L	0.00396	-0.0042	mg/L	0.00396	95.50%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	12.3	0.0029	mg/L	0.00216	0.0029	mg/L	0.00216	73.33%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	32104.7	0.5232	mg/L	0.00094	0.5232	mg/L	0.00094	0.18%
QC value within limits for Ba 233.527 Recovery = 104.65%								
Be 313.107†	452820.2	0.5315	mg/L	0.00054	0.5315	mg/L	0.00054	0.10%
QC value within limits for Be 313.107 Recovery = 106.30%								
Ca 317.933†	4741883.1	249.4	mg/L	0.46	249.4	mg/L	0.46	0.18%
QC value within limits for Ca 317.933 Recovery = 99.75%								
Cd 228.802†	18182.6	1.046	mg/L	0.0035	1.046	mg/L	0.0035	0.33%
QC value within limits for Cd 228.802 Recovery = 104.58%								
Co 228.616†	6840.5	0.4720	mg/L	0.00290	0.4720	mg/L	0.00290	0.61%
QC value within limits for Co 228.616 Recovery = 94.41%								
Cr 267.716†	18508.7	0.5049	mg/L	0.00113	0.5049	mg/L	0.00113	0.22%
QC value within limits for Cr 267.716 Recovery = 100.98%								
Cu 327.393†	28264.7	0.5285	mg/L	0.00163	0.5285	mg/L	0.00163	0.31%
QC value within limits for Cu 327.393 Recovery = 105.70%								
Fe 238.204†	940107.5	97.57	mg/L	0.096	97.57	mg/L	0.096	0.10%
QC value within limits for Fe 238.204 Recovery = 97.57%								
K 766.490†	578.2	0.1764	mg/L	0.00876	0.1764	mg/L	0.00876	4.97%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	6627051.8	235.1	mg/L	0.26	235.1	mg/L	0.26	0.11%
QC value within limits for Mg 285.213 Recovery = 94.06%								
Mn 257.610†	27390.6	0.5008	mg/L	0.00307	0.5008	mg/L	0.00307	0.61%
QC value within limits for Mn 257.610 Recovery = 100.16%								
Mo 202.031†	-130.0	-0.0111	mg/L	0.00050	-0.0111	mg/L	0.00050	4.52%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	663.7	0.0624	mg/L	0.00368	0.0624	mg/L	0.00368	5.89%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	21436.3	0.9208	mg/L	0.00383	0.9208	mg/L	0.00383	0.42%
QC value within limits for Ni 231.604 Recovery = 92.08%								
Pb 220.353†	3936.6	0.9801	mg/L	0.00272	0.9801	mg/L	0.00272	0.28%

QC value within limits for Pb 220.353 Recovery = 98.01%
Sb 206.836† -7.9 0.0012 mg/L 0.00958 0.0012 mg/L 0.00958 830.97%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -76.8 0.0012 mg/L 0.00798 0.0012 mg/L 0.00798 679.06%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† -70.4 -0.0179 mg/L 0.00201 -0.0179 mg/L 0.00201 11.27%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† -35.3 -0.0006 mg/L 0.00105 -0.0006 mg/L 0.00105 185.66%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† -115.3 -0.0198 mg/L 0.00350 -0.0198 mg/L 0.00350 17.67%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† 28255.9 0.5450 mg/L 0.00101 0.5450 mg/L 0.00101 0.18%
QC value within limits for V 290.880 Recovery = 109.00%
Zn 206.200† 30953.7 0.9884 mg/L 0.00557 0.9884 mg/L 0.00557 0.56%
QC value within limits for Zn 206.200 Recovery = 98.84%
Zr 343.823† 409.6 0.0008 mg/L 0.00009 0.0008 mg/L 0.00009 10.17%
All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 4/18/2022 3:55:13 PM **Plasma On Time: 4/18/2022 12:06:08 PM**
Originator: Avio500 **Technique: ICP Continuous**
Spectrometer: Avio 500, S/N No Serial # **Autosampler: S23**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0418A22.sifx
Results Data Set: 0418A22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Batch ID: AVIO 500
Sequence No.: 9 **Autosampler Location: 19**
Sample ID: SEQ-HCV1@100 **Date Collected: 4/18/2022 3:55:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-HCV1@100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	378185.3	95.5	%	1.11	95.5	%	1.11	1.17%
Y axial	1815260.2	90.8	%	0.18	90.8	%	0.18	0.19%
Ag 328.068†	-7919.1	-0.3755	mg/L	0.00449	-0.3755	mg/L	0.00449	1.20%
Al 396.153†	843235.7	99.42	mg/L	0.305	99.42	mg/L	0.305	0.31%
QC value within limits for Al 396.153 Recovery = 99.42%								
As 188.979†	98666.8	95.06	mg/L	0.301	95.06	mg/L	0.301	0.32%
QC value within limits for As 188.979 Recovery = 95.06%								
B 208.889†	-203.0	-0.0377	mg/L	0.00122	-0.0377	mg/L	0.00122	3.25%
Ba 233.527†	5358276.8	87.33	mg/L	0.055	87.33	mg/L	0.055	0.06%
QC value less than the lower limit for Ba 233.527 Recovery = 87.33%								
Be 313.107†	81763197.3	96.00	mg/L	1.019	96.00	mg/L	1.019	1.06%
Ca 317.933†	4814.3	0.2532	mg/L	0.02095	0.2532	mg/L	0.02095	8.27%
Cd 228.802†	1399188.7	78.07	mg/L	0.142	78.07	mg/L	0.142	0.18%
QC value less than the lower limit for Cd 228.802 Recovery = 78.07%								
Co 228.616†	1368650.7	93.44	mg/L	0.133	93.44	mg/L	0.133	0.14%
QC value within limits for Co 228.616 Recovery = 93.44%								
Cr 267.716†	3435963.0	94.73	mg/L	0.089	94.73	mg/L	0.089	0.09%
QC value within limits for Cr 267.716 Recovery = 94.73%								
Cu 327.393†	5447450.2	101.8	mg/L	0.16	101.8	mg/L	0.16	0.16%
QC value within limits for Cu 327.393 Recovery = 101.79%								
Fe 238.204†	946006.1	98.18	mg/L	0.231	98.18	mg/L	0.231	0.24%
QC value within limits for Fe 238.204 Recovery = 98.18%								
K 766.490†	156.1	0.0476	mg/L	0.04209	0.0476	mg/L	0.04209	88.41%
Mg 285.213†	2625.8	0.1649	mg/L	0.02201	0.1649	mg/L	0.02201	13.35%
Mn 257.610†	5321427.5	97.30	mg/L	0.297	97.30	mg/L	0.297	0.30%
QC value within limits for Mn 257.610 Recovery = 97.30%								

Mo 202.031†	-218.1	-0.0186 mg/L	0.00068	-0.0186 mg/L	0.00068	3.65%
Na 589.592†	301.6	0.0284 mg/L	0.00359	0.0284 mg/L	0.00359	12.64%
Ni 231.604†	2213416.7	94.65 mg/L	0.067	94.65 mg/L	0.067	0.07%
QC value within limits for Ni 231.604 Recovery = 94.65%						
Pb 220.353†	397987.0	96.11 mg/L	0.123	96.11 mg/L	0.123	0.13%
QC value within limits for Pb 220.353 Recovery = 96.11%						
Sb 206.836†	2415.7	0.0028 mg/L	0.00442	0.0028 mg/L	0.00442	160.22%
Se 196.026†	140368.0	103.6 mg/L	0.45	103.6 mg/L	0.45	0.44%
QC value within limits for Se 196.026 Recovery = 103.61%						
Sn 189.927†	-33.9	-0.0086 mg/L	0.00127	-0.0086 mg/L	0.00127	14.66%
Ti 337.279†	-699.3	-0.0111 mg/L	0.00066	-0.0111 mg/L	0.00066	5.93%
Tl 351.924†	201699.7	110.7 mg/L	0.42	110.7 mg/L	0.42	0.38%
QC value greater than the upper limit for Tl 351.924 Recovery = 110.71%						
V 290.880†	4942616.4	99.94 mg/L	0.059	99.94 mg/L	0.059	0.06%
QC value within limits for V 290.880 Recovery = 99.94%						
Zn 206.200†	2826152.6	90.48 mg/L	0.126	90.48 mg/L	0.126	0.14%
QC value within limits for Zn 206.200 Recovery = 90.48%						
Zr 343.823†	-202.3	-0.0031 mg/L	0.00031	-0.0031 mg/L	0.00031	9.86%

QC Failed. Continue with analysis.

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Batch ID: AVIO 500
Sequence No.: 10 **Autosampler Location: 20**
Sample ID: SEQ-HCV2@500/100 **Date Collected: 4/18/2022 4:02:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-HCV2@500/100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	344311.1	87.0	%	0.51	87.0	%	0.51	0.58%
Y axial	1574594.4	78.8	%	1.00	78.8	%	1.00	1.27%
Ag 328.068†	-592.1	-0.0193	mg/L	0.00032	-0.0193	mg/L	0.00032	1.67%
Al 396.153†	4144706.7	488.3	mg/L	5.36	488.3	mg/L	5.36	1.10%
QC value within limits for Al 396.153 Recovery = 97.67%								
As 188.979†	-18.5	0.0215	mg/L	0.00396	0.0215	mg/L	0.00396	18.41%
B 208.889†	491854.0	93.73	mg/L	0.152	93.73	mg/L	0.152	0.16%
Ba 233.527†	2421.2	0.0395	mg/L	0.00210	0.0395	mg/L	0.00210	5.31%
Be 313.107†	9288.6	0.0103	mg/L	0.00070	0.0103	mg/L	0.00070	6.74%
Ca 317.933†	8842485.0	465.0	mg/L	5.18	465.0	mg/L	5.18	1.11%
QC value within limits for Ca 317.933 Recovery = 93.01%								
Cd 228.802†	327.1	0.0237	mg/L	0.00282	0.0237	mg/L	0.00282	11.91%
Co 228.616†	184.7	0.0224	mg/L	0.00128	0.0224	mg/L	0.00128	5.72%
Cr 267.716†	442.3	0.0079	mg/L	0.00130	0.0079	mg/L	0.00130	16.40%
Cu 327.393†	-679.1	-0.0044	mg/L	0.00172	-0.0044	mg/L	0.00172	39.03%
Fe 238.204†	4338912.6	450.3	mg/L	1.39	450.3	mg/L	1.39	0.31%
QC value within limits for Fe 238.204 Recovery = 90.07%								
K 766.490†	700263.3	213.6	mg/L	0.18	213.6	mg/L	0.18	0.09%
QC value within limits for K 766.490 Recovery = 106.79%								
Mg 285.213†	5152971.0	183.1	mg/L	1.96	183.1	mg/L	1.96	1.07%
QC value within limits for Mg 285.213 Recovery = 91.56%								
Mn 257.610†	515.3	0.0094	mg/L	0.00064	0.0094	mg/L	0.00064	6.79%
Mo 202.031†	-295.2	-0.0251	mg/L	0.00280	-0.0251	mg/L	0.00280	11.15%
Na 589.592†	5120412.4	481.8	mg/L	5.62	481.8	mg/L	5.62	1.17%
QC value within limits for Na 589.592 Recovery = 96.35%								
Ni 231.604†	-88.4	0.0126	mg/L	0.00097	0.0126	mg/L	0.00097	7.74%
Pb 220.353†	-207.6	-0.0076	mg/L	0.00279	-0.0076	mg/L	0.00279	36.48%
Sb 206.836†	-57.8	0.0248	mg/L	0.00543	0.0248	mg/L	0.00543	21.88%
Se 196.026†	-350.4	0.0107	mg/L	0.01833	0.0107	mg/L	0.01833	171.35%
Sn 189.927†	-72.4	-0.0184	mg/L	0.00190	-0.0184	mg/L	0.00190	10.32%
Ti 337.279†	38.7	0.0006	mg/L	0.00053	0.0006	mg/L	0.00053	89.29%
Tl 351.924†	-412.1	0.0324	mg/L	0.01357	0.0324	mg/L	0.01357	41.94%
V 290.880†	3872.4	0.0394	mg/L	0.00205	0.0394	mg/L	0.00205	5.19%
Zn 206.200†	1343.1	0.0428	mg/L	0.00243	0.0428	mg/L	0.00243	5.68%
Zr 343.823†	2028.1	0.0048	mg/L	0.00010	0.0048	mg/L	0.00010	2.10%

All analyte(s) passed QC.

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Batch ID: AVIO 500
Sequence No.: 24 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/18/2022 5:39:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	381656.0	96.4	%	0.66	96.4	%	0.66	0.69%
Y axial	1903991.3	95.3	%	0.22	95.3	%	0.22	0.24%
Ag 328.068†	42626.1	2.114	mg/L	0.0185	2.114	mg/L	0.0185	0.87%
QC value less than the lower limit for Ag 328.068 Recovery = 84.55%								
Al 396.153†	83305.9	9.527	mg/L	0.0155	9.527	mg/L	0.0155	0.16%
QC value within limits for Al 396.153 Recovery = 95.27%								
As 188.979†	5027.8	4.867	mg/L	0.0173	4.867	mg/L	0.0173	0.36%
QC value within limits for As 188.979 Recovery = 97.35%								
B 208.889†	25534.2	4.595	mg/L	0.0122	4.595	mg/L	0.0122	0.27%
QC value within limits for B 208.889 Recovery = 91.90%								
Ba 233.527†	306341.8	4.995	mg/L	0.0054	4.995	mg/L	0.0054	0.11%
QC value within limits for Ba 233.527 Recovery = 99.90%								
Be 313.107†	4272199.6	5.020	mg/L	0.0284	5.020	mg/L	0.0284	0.57%
QC value within limits for Be 313.107 Recovery = 100.40%								
Ca 317.933†	189862.9	9.985	mg/L	0.0073	9.985	mg/L	0.0073	0.07%
QC value within limits for Ca 317.933 Recovery = 99.85%								
Cd 228.802†	86084.8	4.825	mg/L	0.0103	4.825	mg/L	0.0103	0.21%
QC value within limits for Cd 228.802 Recovery = 96.51%								
Co 228.616†	72555.4	4.954	mg/L	0.0075	4.954	mg/L	0.0075	0.15%
QC value within limits for Co 228.616 Recovery = 99.07%								
Cr 267.716†	180740.4	4.983	mg/L	0.0081	4.983	mg/L	0.0081	0.16%
QC value within limits for Cr 267.716 Recovery = 99.66%								
Cu 327.393†	265764.3	4.989	mg/L	0.0098	4.989	mg/L	0.0098	0.20%
QC value within limits for Cu 327.393 Recovery = 99.78%								
Fe 238.204†	47776.7	4.959	mg/L	0.0042	4.959	mg/L	0.0042	0.08%
QC value within limits for Fe 238.204 Recovery = 99.17%								
K 766.490†	31902.3	9.731	mg/L	0.0250	9.731	mg/L	0.0250	0.26%
QC value within limits for K 766.490 Recovery = 97.31%								

Mg 285.213†	281151.5	9.912 mg/L	0.0101	9.912 mg/L	0.0101	0.10%
QC value within limits for Mg 285.213 Recovery = 99.12%						
Mn 257.610†	272105.9	4.975 mg/L	0.0064	4.975 mg/L	0.0064	0.13%
QC value within limits for Mn 257.610 Recovery = 99.51%						
Mo 202.031†	58146.3	4.948 mg/L	0.0111	4.948 mg/L	0.0111	0.22%
QC value within limits for Mo 202.031 Recovery = 98.96%						
Na 589.592†	106252.1	9.997 mg/L	0.0117	9.997 mg/L	0.0117	0.12%
QC value within limits for Na 589.592 Recovery = 99.97%						
Ni 231.604†	116315.7	4.978 mg/L	0.0063	4.978 mg/L	0.0063	0.13%
QC value within limits for Ni 231.604 Recovery = 99.56%						
Pb 220.353†	20375.3	4.939 mg/L	0.0047	4.939 mg/L	0.0047	0.09%
QC value within limits for Pb 220.353 Recovery = 98.77%						
Sb 206.836†	9612.0	4.775 mg/L	0.0109	4.775 mg/L	0.0109	0.23%
QC value within limits for Sb 206.836 Recovery = 95.50%						
Se 196.026†	6580.2	4.842 mg/L	0.0043	4.842 mg/L	0.0043	0.09%
QC value within limits for Se 196.026 Recovery = 96.83%						
Sn 189.927†	19609.8	4.979 mg/L	0.0047	4.979 mg/L	0.0047	0.09%
QC value within limits for Sn 189.927 Recovery = 99.59%						
Ti 337.279†	310546.2	4.922 mg/L	0.0033	4.922 mg/L	0.0033	0.07%
QC value within limits for Ti 337.279 Recovery = 98.44%						
Tl 351.924†	4426.2	2.422 mg/L	0.0086	2.422 mg/L	0.0086	0.35%
QC value within limits for Tl 351.924 Recovery = 96.87%						
V 290.880†	247305.6	5.032 mg/L	0.0087	5.032 mg/L	0.0087	0.17%
QC value within limits for V 290.880 Recovery = 100.64%						
Zn 206.200†	155710.9	4.982 mg/L	0.0062	4.982 mg/L	0.0062	0.12%
QC value within limits for Zn 206.200 Recovery = 99.64%						
Zr 343.823†	757954.9	4.907 mg/L	0.0106	4.907 mg/L	0.0106	0.22%
QC value within limits for Zr 343.823 Recovery = 98.14%						

QC Failed. Continue with analysis.

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Batch ID: AVIO 500
Sequence No.: 25 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/18/2022 5:46:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	410555.0	104	%	2.64	104	%	2.64	2.55%
Y axial	2044937.9	102	%	1.98	102	%	1.98	1.93%
Ag 328.068†	58.2	0.0029	mg/L	0.00045	0.0029	mg/L	0.00045	15.45%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-47.6	-0.0057	mg/L	0.00518	-0.0057	mg/L	0.00518	91.61%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.8	0.0007	mg/L	0.00167	0.0007	mg/L	0.00167	229.36%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	17.8	0.0033	mg/L	0.00108	0.0033	mg/L	0.00108	32.54%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	10.0	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	48.14%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	276.3	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	4.59%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	335.1	0.0176	mg/L	0.00324	0.0176	mg/L	0.00324	18.38%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	14.2	0.0008	mg/L	0.00008	0.0008	mg/L	0.00008	10.65%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	10.1	0.0007	mg/L	0.00028	0.0007	mg/L	0.00028	40.74%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.9	-0.0002	mg/L	0.00008	-0.0002	mg/L	0.00008	40.13%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	130.4	0.0024	mg/L	0.00068	0.0024	mg/L	0.00068	28.04%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	2.3	0.0002	mg/L	0.00068	0.0002	mg/L	0.00068	282.91%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	243.7	0.0743	mg/L	0.01078	0.0743	mg/L	0.01078	14.50%

QC value within limits for K 766.490 Recovery = Not calculated
Mg 285.213† 8.7 0.0003 mg/L 0.00012 0.0003 mg/L 0.00012 37.53%
QC value within limits for Mg 285.213 Recovery = Not calculated
Mn 257.610† 13.6 0.0002 mg/L 0.00005 0.0002 mg/L 0.00005 19.15%
QC value within limits for Mn 257.610 Recovery = Not calculated
Mo 202.031† 12.0 0.0010 mg/L 0.00056 0.0010 mg/L 0.00056 54.41%
QC value within limits for Mo 202.031 Recovery = Not calculated
Na 589.592† 1429.7 0.1345 mg/L 0.00370 0.1345 mg/L 0.00370 2.75%
QC value within limits for Na 589.592 Recovery = Not calculated
Ni 231.604† -7.6 -0.0003 mg/L 0.00034 -0.0003 mg/L 0.00034 104.96%
QC value within limits for Ni 231.604 Recovery = Not calculated
Pb 220.353† -15.6 -0.0038 mg/L 0.00093 -0.0038 mg/L 0.00093 24.75%
QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† -6.0 -0.0030 mg/L 0.00298 -0.0030 mg/L 0.00298 98.84%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† 2.6 0.0019 mg/L 0.00875 0.0019 mg/L 0.00875 450.01%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† -2.2 -0.0006 mg/L 0.00051 -0.0006 mg/L 0.00051 93.21%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† -0.3 -0.0000 mg/L 0.00007 -0.0000 mg/L 0.00007 >999.9%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† -16.1 -0.0088 mg/L 0.02845 -0.0088 mg/L 0.02845 321.55%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† -5.2 -0.0001 mg/L 0.00021 -0.0001 mg/L 0.00021 216.55%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† 17.9 0.0006 mg/L 0.00028 0.0006 mg/L 0.00028 49.71%
QC value within limits for Zn 206.200 Recovery = Not calculated
Zr 343.823† -26.4 -0.0002 mg/L 0.00015 -0.0002 mg/L 0.00015 86.13%
All analyte(s) passed QC.

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Batch ID: AVIO 500
Sequence No.: 26 **Autosampler Location: 33**
Sample ID: 22D0541-01@5X **Date Collected: 4/18/2022 5:52:32 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-01@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	391749.5	98.9	%	1.09	98.9	%	1.09	1.10%
Y axial	1943859.4	97.3	%	0.83	97.3	%	0.83	0.85%
Ag 328.068†	-18.0	-0.0004	mg/L	0.00047	-0.0004	mg/L	0.00047	124.72%
Al 396.153†	313.8	0.0369	mg/L	0.00697	0.0369	mg/L	0.00697	18.87%
As 188.979†	2.2	0.0025	mg/L	0.00201	0.0025	mg/L	0.00201	82.14%
B 208.889†	17.6	0.0033	mg/L	0.00052	0.0033	mg/L	0.00052	15.69%
Ba 233.527†	1822.0	0.0297	mg/L	0.00035	0.0297	mg/L	0.00035	1.16%
Be 313.107†	417.0	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	13.04%
Ca 317.933†	478433.2	25.16	mg/L	0.071	25.16	mg/L	0.071	0.28%
Cd 228.802†	11.0	0.0006	mg/L	0.00034	0.0006	mg/L	0.00034	53.96%
Co 228.616†	13.4	0.0009	mg/L	0.00015	0.0009	mg/L	0.00015	16.31%
Cr 267.716†	10.2	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	187.39%
Cu 327.393†	28.5	0.0011	mg/L	0.00046	0.0011	mg/L	0.00046	42.92%
Fe 238.204†	21893.8	2.272	mg/L	0.0650	2.272	mg/L	0.0650	2.86%
K 766.490†	984.7	0.3004	mg/L	0.01245	0.3004	mg/L	0.01245	4.15%
Mg 285.213†	168182.9	5.967	mg/L	0.0097	5.967	mg/L	0.0097	0.16%
Mn 257.610†	13848.0	0.2532	mg/L	0.00726	0.2532	mg/L	0.00726	2.87%
Mo 202.031†	9.2	0.0008	mg/L	0.00039	0.0008	mg/L	0.00039	50.28%
Na 589.592†	14263.5	1.342	mg/L	0.0349	1.342	mg/L	0.0349	2.60%
Ni 231.604†	-21.3	-0.0008	mg/L	0.00039	-0.0008	mg/L	0.00039	47.81%
Pb 220.353†	-9.8	-0.0025	mg/L	0.00333	-0.0025	mg/L	0.00333	135.04%
Sb 206.836†	-4.8	-0.0022	mg/L	0.00230	-0.0022	mg/L	0.00230	106.46%
Se 196.026†	-7.3	-0.0043	mg/L	0.00413	-0.0043	mg/L	0.00413	96.14%
Sn 189.927†	-27.6	-0.0070	mg/L	0.00100	-0.0070	mg/L	0.00100	14.26%
Ti 337.279†	62.9	0.0010	mg/L	0.00092	0.0010	mg/L	0.00092	92.03%
Tl 351.924†	-32.3	-0.0167	mg/L	0.01194	-0.0167	mg/L	0.01194	71.50%
V 290.880†	319.8	0.0058	mg/L	0.00042	0.0058	mg/L	0.00042	7.29%

Zn 206.200†	37.1	0.0012	mg/L	0.00017	0.0012	mg/L	0.00017 14.37%
Zr 343.823†	72.3	0.0004	mg/L	0.00011	0.0004	mg/L	0.00011 26.55%

Batch ID: AVIO 500
Sequence No.: 27 **Autosampler Location: 34**
Sample ID: 22D0541-03@5X **Date Collected: 4/18/2022 5:57:49 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-03@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	387649.2	97.9	%	1.47	97.9	%	1.47	1.50%
Y axial	1943244.9	97.2	%	0.82	97.2	%	0.82	0.85%
Ag 328.068†	6.6	0.0008	mg/L	0.00101	0.0008	mg/L	0.00101	119.77%
Al 396.153†	118.4	0.0139	mg/L	0.00291	0.0139	mg/L	0.00291	20.91%
As 188.979†	15.2	0.0148	mg/L	0.00230	0.0148	mg/L	0.00230	15.51%
B 208.889†	99.2	0.0188	mg/L	0.00113	0.0188	mg/L	0.00113	6.00%
Ba 233.527†	6263.3	0.1020	mg/L	0.00066	0.1020	mg/L	0.00066	0.64%
Be 313.107†	322.9	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	18.64%
Ca 317.933†	427965.0	22.51	mg/L	0.040	22.51	mg/L	0.040	0.18%
Cd 228.802†	11.9	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	21.28%
Co 228.616†	9.2	0.0007	mg/L	0.00028	0.0007	mg/L	0.00028	42.67%
Cr 267.716†	-2.2	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	26.85%
Cu 327.393†	40.4	0.0012	mg/L	0.00061	0.0012	mg/L	0.00061	49.50%
Fe 238.204†	13635.9	1.415	mg/L	0.0239	1.415	mg/L	0.0239	1.69%
K 766.490†	1508.6	0.4602	mg/L	0.00365	0.4602	mg/L	0.00365	0.79%
Mg 285.213†	175028.0	6.210	mg/L	0.0185	6.210	mg/L	0.0185	0.30%
Mn 257.610†	5128.8	0.0938	mg/L	0.00137	0.0938	mg/L	0.00137	1.46%
Mo 202.031†	13.0	0.0011	mg/L	0.00057	0.0011	mg/L	0.00057	51.69%
Na 589.592†	47861.0	4.503	mg/L	0.0101	4.503	mg/L	0.0101	0.22%
Ni 231.604†	-13.7	-0.0005	mg/L	0.00030	-0.0005	mg/L	0.00030	56.21%
Pb 220.353†	-10.0	-0.0025	mg/L	0.00136	-0.0025	mg/L	0.00136	54.73%
Sb 206.836†	-8.6	-0.0042	mg/L	0.00111	-0.0042	mg/L	0.00111	26.45%
Se 196.026†	-0.7	0.0002	mg/L	0.00814	0.0002	mg/L	0.00814	>999.9%
Sn 189.927†	-25.6	-0.0065	mg/L	0.00093	-0.0065	mg/L	0.00093	14.32%
Ti 337.279†	-9.4	-0.0001	mg/L	0.00079	-0.0001	mg/L	0.00079	534.36%
Tl 351.924†	-5.7	-0.0025	mg/L	0.00672	-0.0025	mg/L	0.00672	270.31%
V 290.880†	297.0	0.0054	mg/L	0.00051	0.0054	mg/L	0.00051	9.42%
Zn 206.200†	38.4	0.0012	mg/L	0.00030	0.0012	mg/L	0.00030	24.17%
Zr 343.823†	-62.3	-0.0004	mg/L	0.00016	-0.0004	mg/L	0.00016	36.42%

Batch ID: AVIO 500
Sequence No.: 28 **Autosampler Location: 35**
Sample ID: 22D0541-04@5X **Date Collected: 4/18/2022 6:03:05 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-04@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	382736.4	96.7	%	0.83	96.7	%	0.83	0.86%
Y axial	1941463.8	97.2	%	0.16	97.2	%	0.16	0.16%
Ag 328.068†	-18.4	-0.0004	mg/L	0.00131	-0.0004	mg/L	0.00131	349.59%
Al 396.153†	224.3	0.0264	mg/L	0.00054	0.0264	mg/L	0.00054	2.06%
As 188.979†	2.8	0.0032	mg/L	0.00277	0.0032	mg/L	0.00277	85.27%
B 208.889†	18.1	0.0034	mg/L	0.00034	0.0034	mg/L	0.00034	10.06%
Ba 233.527†	2069.0	0.0337	mg/L	0.00006	0.0337	mg/L	0.00006	0.17%
Be 313.107†	310.1	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	21.97%
Ca 317.933†	490290.7	25.78	mg/L	0.033	25.78	mg/L	0.033	0.13%
Cd 228.802†	10.0	0.0006	mg/L	0.00047	0.0006	mg/L	0.00047	82.87%
Co 228.616†	5.7	0.0004	mg/L	0.00025	0.0004	mg/L	0.00025	63.54%

Cr 267.716†	3.5	-0.0001 mg/L	0.00011	-0.0001 mg/L	0.00011	89.40%
Cu 327.393†	14.6	0.0008 mg/L	0.00053	0.0008 mg/L	0.00053	63.67%
Fe 238.204†	39827.6	4.134 mg/L	0.0267	4.134 mg/L	0.0267	0.65%
K 766.490†	888.4	0.2710 mg/L	0.01344	0.2710 mg/L	0.01344	4.96%
Mg 285.213†	171185.2	6.075 mg/L	0.0107	6.075 mg/L	0.0107	0.18%
Mn 257.610†	14275.9	0.2610 mg/L	0.00245	0.2610 mg/L	0.00245	0.94%
Mo 202.031†	7.6	0.0006 mg/L	0.00051	0.0006 mg/L	0.00051	79.05%
Na 589.592†	13565.9	1.276 mg/L	0.0075	1.276 mg/L	0.0075	0.59%
Ni 231.604†	-26.8	-0.0010 mg/L	0.00016	-0.0010 mg/L	0.00016	16.46%
Pb 220.353†	-13.0	-0.0034 mg/L	0.00248	-0.0034 mg/L	0.00248	73.93%
Sb 206.836†	-1.9	-0.0005 mg/L	0.00275	-0.0005 mg/L	0.00275	558.25%
Se 196.026†	0.6	0.0027 mg/L	0.00287	0.0027 mg/L	0.00287	108.26%
Sn 189.927†	-29.8	-0.0076 mg/L	0.00068	-0.0076 mg/L	0.00068	8.99%
Ti 337.279†	-8.0	-0.0001 mg/L	0.00049	-0.0001 mg/L	0.00049	384.80%
Tl 351.924†	-34.0	-0.0168 mg/L	0.03673	-0.0168 mg/L	0.03673	218.50%
V 290.880†	299.4	0.0053 mg/L	0.00029	0.0053 mg/L	0.00029	5.47%
Zn 206.200†	21.7	0.0007 mg/L	0.00018	0.0007 mg/L	0.00018	26.04%
Zr 343.823†	28.2	0.0001 mg/L	0.00017	0.0001 mg/L	0.00017	159.36%

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Batch ID: AVIO 500
Sequence No.: 29 **Autosampler Location: 36**
Sample ID: 22D0541-05@5X **Date Collected: 4/18/2022 6:08:21 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-05@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	388731.3	98.2	%	0.14	98.2	%	0.14	0.14%
Y axial	1922669.0	96.2	%	0.72	96.2	%	0.72	0.74%
Ag 328.068†	-3.6	0.0003	mg/L	0.00049	0.0003	mg/L	0.00049	178.76%
Al 396.153†	34.0	0.0040	mg/L	0.00590	0.0040	mg/L	0.00590	148.40%
As 188.979†	0.1	0.0002	mg/L	0.00501	0.0002	mg/L	0.00501	>999.9%
B 208.889†	29.5	0.0056	mg/L	0.00104	0.0056	mg/L	0.00104	18.68%
Ba 233.527†	9203.8	0.1499	mg/L	0.00155	0.1499	mg/L	0.00155	1.04%
Be 313.107†	287.7	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	7.67%
Ca 317.933†	428005.6	22.51	mg/L	0.024	22.51	mg/L	0.024	0.11%
Cd 228.802†	8.6	0.0006	mg/L	0.00025	0.0006	mg/L	0.00025	39.60%
Co 228.616†	9.7	0.0007	mg/L	0.00019	0.0007	mg/L	0.00019	27.46%
Cr 267.716†	-0.1	-0.0002	mg/L	0.00020	-0.0002	mg/L	0.00020	83.09%
Cu 327.393†	11.4	0.0007	mg/L	0.00086	0.0007	mg/L	0.00086	126.03%
Fe 238.204†	3434.0	0.3564	mg/L	0.00110	0.3564	mg/L	0.00110	0.31%
K 766.490†	591.1	0.1803	mg/L	0.01910	0.1803	mg/L	0.01910	10.59%
Mg 285.213†	149136.3	5.290	mg/L	0.0066	5.290	mg/L	0.0066	0.13%
Mn 257.610†	22372.0	0.4091	mg/L	0.00326	0.4091	mg/L	0.00326	0.80%
Mo 202.031†	8.1	0.0007	mg/L	0.00064	0.0007	mg/L	0.00064	92.39%
Na 589.592†	13485.1	1.269	mg/L	0.0046	1.269	mg/L	0.0046	0.36%
Ni 231.604†	-25.7	-0.0011	mg/L	0.00034	-0.0011	mg/L	0.00034	31.53%
Pb 220.353†	-10.1	-0.0024	mg/L	0.00171	-0.0024	mg/L	0.00171	70.00%
Sb 206.836†	-6.5	-0.0033	mg/L	0.00124	-0.0033	mg/L	0.00124	38.15%
Se 196.026†	0.5	0.0001	mg/L	0.00543	0.0001	mg/L	0.00543	>999.9%
Sn 189.927†	-27.5	-0.0070	mg/L	0.00075	-0.0070	mg/L	0.00075	10.77%
Ti 337.279†	-33.5	-0.0005	mg/L	0.00083	-0.0005	mg/L	0.00083	156.36%
Tl 351.924†	-26.9	-0.0146	mg/L	0.03164	-0.0146	mg/L	0.03164	216.54%
V 290.880†	272.6	0.0050	mg/L	0.00063	0.0050	mg/L	0.00063	12.54%
Zn 206.200†	25.3	0.0008	mg/L	0.00018	0.0008	mg/L	0.00018	22.63%
Zr 343.823†	-25.6	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	38.02%

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Batch ID: AVIO 500
Sequence No.: 30 **Autosampler Location: 37**
Sample ID: 22D0541-06@5X **Date Collected: 4/18/2022 6:13:34 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-06@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y radial	389891.9	98.5	%	0.25	98.5	%	0.25	0.25%
Y axial	1941561.2	97.2	%	0.61	97.2	%	0.61	0.62%
Ag 328.068†	-28.0	-0.0009	mg/L	0.00258	-0.0009	mg/L	0.00258	290.56%
Al 396.153†	46.8	0.0055	mg/L	0.00573	0.0055	mg/L	0.00573	104.17%
As 188.979†	0.1	0.0001	mg/L	0.00359	0.0001	mg/L	0.00359	>999.9%
B 208.889†	23.5	0.0044	mg/L	0.00042	0.0044	mg/L	0.00042	9.34%
Ba 233.527†	5250.9	0.0855	mg/L	0.00076	0.0855	mg/L	0.00076	0.89%
Be 313.107†	203.2	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	70.18%
Ca 317.933†	439596.4	23.12	mg/L	0.034	23.12	mg/L	0.034	0.15%
Cd 228.802†	9.4	0.0006	mg/L	0.00037	0.0006	mg/L	0.00037	60.27%
Co 228.616†	4.1	0.0003	mg/L	0.00028	0.0003	mg/L	0.00028	92.25%
Cr 267.716†	10.6	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026	209.79%
Cu 327.393†	50.0	0.0014	mg/L	0.00079	0.0014	mg/L	0.00079	56.20%
Fe 238.204†	7943.0	0.8244	mg/L	0.00618	0.8244	mg/L	0.00618	0.75%
K 766.490†	1010.9	0.3083	mg/L	0.01794	0.3083	mg/L	0.01794	5.82%
Mg 285.213†	188107.2	6.673	mg/L	0.0138	6.673	mg/L	0.0138	0.21%
Mn 257.610†	2679.5	0.0490	mg/L	0.00037	0.0490	mg/L	0.00037	0.76%
Mo 202.031†	6.0	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	18.53%
Na 589.592†	14085.0	1.325	mg/L	0.0086	1.325	mg/L	0.0086	0.65%
Ni 231.604†	-19.8	-0.0008	mg/L	0.00009	-0.0008	mg/L	0.00009	10.68%
Pb 220.353†	-8.2	-0.0020	mg/L	0.00128	-0.0020	mg/L	0.00128	63.46%
Sb 206.836†	-4.1	-0.0020	mg/L	0.00251	-0.0020	mg/L	0.00251	126.67%
Se 196.026†	2.8	0.0025	mg/L	0.00181	0.0025	mg/L	0.00181	71.91%
Sn 189.927†	-25.0	-0.0063	mg/L	0.00052	-0.0063	mg/L	0.00052	8.23%
Ti 337.279†	-19.8	-0.0003	mg/L	0.00042	-0.0003	mg/L	0.00042	133.96%
Tl 351.924†	-3.8	-0.0017	mg/L	0.03113	-0.0017	mg/L	0.03113	>999.9%
V 290.880†	310.6	0.0056	mg/L	0.00054	0.0056	mg/L	0.00054	9.53%
Zn 206.200†	17.7	0.0006	mg/L	0.00013	0.0006	mg/L	0.00013	22.18%
Zr 343.823†	-33.5	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	98.32%

Batch ID: AVIO 500
Sequence No.: 31
Sample ID: 22D0541-09@5X
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 100

Autosampler Location: 38
Date Collected: 4/18/2022 6:18:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 22D0541-09@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y radial	389038.4	98.3	%	1.91	98.3	%	1.91	1.95%
Y axial	1994122.6	99.8	%	2.27	99.8	%	2.27	2.28%
Ag 328.068†	-4.9	0.0002	mg/L	0.00051	0.0002	mg/L	0.00051	283.89%
Al 396.153†	68.0	0.0080	mg/L	0.00220	0.0080	mg/L	0.00220	27.54%
As 188.979†	3.4	0.0033	mg/L	0.00085	0.0033	mg/L	0.00085	25.90%
B 208.889†	80.0	0.0152	mg/L	0.00113	0.0152	mg/L	0.00113	7.44%
Ba 233.527†	11033.4	0.1797	mg/L	0.00342	0.1797	mg/L	0.00342	1.91%
Be 313.107†	279.5	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	14.38%
Ca 317.933†	362960.8	19.09	mg/L	0.355	19.09	mg/L	0.355	1.86%
Cd 228.802†	3.6	0.0003	mg/L	0.00037	0.0003	mg/L	0.00037	133.76%
Co 228.616†	12.0	0.0009	mg/L	0.00051	0.0009	mg/L	0.00051	58.66%
Cr 267.716†	2.5	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	146.49%
Cu 327.393†	47.2	0.0013	mg/L	0.00065	0.0013	mg/L	0.00065	50.69%
Fe 238.204†	7095.1	0.7364	mg/L	0.02849	0.7364	mg/L	0.02849	3.87%
K 766.490†	2035.2	0.6208	mg/L	0.02812	0.6208	mg/L	0.02812	4.53%
Mg 285.213†	153390.5	5.442	mg/L	0.1123	5.442	mg/L	0.1123	2.06%
Mn 257.610†	4054.3	0.0741	mg/L	0.00285	0.0741	mg/L	0.00285	3.84%
Mo 202.031†	8.4	0.0007	mg/L	0.00066	0.0007	mg/L	0.00066	91.99%
Na 589.592†	35305.0	3.322	mg/L	0.0623	3.322	mg/L	0.0623	1.88%
Ni 231.604†	-18.8	-0.0008	mg/L	0.00060	-0.0008	mg/L	0.00060	76.87%
Pb 220.353†	-8.9	-0.0022	mg/L	0.00228	-0.0022	mg/L	0.00228	104.16%
Sb 206.836†	-7.6	-0.0038	mg/L	0.00139	-0.0038	mg/L	0.00139	36.95%

Se 196.026†	-4.4	-0.0029	mg/L	0.00327	-0.0029	mg/L	0.00327 114.18%
Sn 189.927†	-23.2	-0.0059	mg/L	0.00025	-0.0059	mg/L	0.00025 4.31%
Ti 337.279†	-28.0	-0.0004	mg/L	0.00088	-0.0004	mg/L	0.00088 199.34%
Tl 351.924†	-13.8	-0.0073	mg/L	0.01846	-0.0073	mg/L	0.01846 253.93%
V 290.880†	215.2	0.0038	mg/L	0.00064	0.0038	mg/L	0.00064 16.85%
Zn 206.200†	24.0	0.0008	mg/L	0.00014	0.0008	mg/L	0.00014 17.89%
Zr 343.823†	-38.0	-0.0003	mg/L	0.00030	-0.0003	mg/L	0.00030 113.79%

Batch ID: AVIO 500
Sequence No.: 32 **Autosampler Location: 39**
Sample ID: 22D0541-12@5X **Date Collected: 4/18/2022 6:24:09 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-12@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	392136.9	99.0	%	1.27	99.0	%	1.27	1.28%
Y axial	1931044.9	96.6	%	0.66	96.6	%	0.66	0.68%
Ag 328.068†	-16.0	-0.0002	mg/L	0.00042	-0.0002	mg/L	0.00042	175.22%
Al 396.153†	911.7	0.1074	mg/L	0.00134	0.1074	mg/L	0.00134	1.24%
As 188.979†	-4.7	-0.0045	mg/L	0.00323	-0.0045	mg/L	0.00323	71.74%
B 208.889†	14.0	0.0026	mg/L	0.00075	0.0026	mg/L	0.00075	28.77%
Ba 233.527†	9803.1	0.1596	mg/L	0.00280	0.1596	mg/L	0.00280	1.76%
Be 313.107†	214.5	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	4.39%
Ca 317.933†	479182.2	25.20	mg/L	0.013	25.20	mg/L	0.013	0.05%
Cd 228.802†	7.5	0.0007	mg/L	0.00031	0.0007	mg/L	0.00031	45.25%
Co 228.616†	9.6	0.0007	mg/L	0.00021	0.0007	mg/L	0.00021	30.29%
Cr 267.716†	39.3	0.0009	mg/L	0.00023	0.0009	mg/L	0.00023	25.09%
Cu 327.393†	218.0	0.0046	mg/L	0.00093	0.0046	mg/L	0.00093	20.02%
Fe 238.204†	1926.4	0.1999	mg/L	0.00280	0.1999	mg/L	0.00280	1.40%
K 766.490†	1458.4	0.4448	mg/L	0.00253	0.4448	mg/L	0.00253	0.57%
Mg 285.213†	153003.6	5.427	mg/L	0.0049	5.427	mg/L	0.0049	0.09%
Mn 257.610†	4035.7	0.0738	mg/L	0.00095	0.0738	mg/L	0.00095	1.29%
Mo 202.031†	11.6	0.0010	mg/L	0.00003	0.0010	mg/L	0.00003	3.19%
Na 589.592†	12161.0	1.144	mg/L	0.0044	1.144	mg/L	0.0044	0.38%
Ni 231.604†	11.7	0.0005	mg/L	0.00028	0.0005	mg/L	0.00028	56.33%
Pb 220.353†	-11.7	-0.0028	mg/L	0.00107	-0.0028	mg/L	0.00107	37.81%
Sb 206.836†	-5.7	-0.0029	mg/L	0.00103	-0.0029	mg/L	0.00103	35.79%
Se 196.026†	0.0	0.0001	mg/L	0.00581	0.0001	mg/L	0.00581	>999.9%
Sn 189.927†	-28.3	-0.0072	mg/L	0.00143	-0.0072	mg/L	0.00143	19.97%
Ti 337.279†	32.3	0.0005	mg/L	0.00014	0.0005	mg/L	0.00014	28.19%
Tl 351.924†	12.4	0.0069	mg/L	0.03127	0.0069	mg/L	0.03127	453.86%
V 290.880†	305.0	0.0057	mg/L	0.00076	0.0057	mg/L	0.00076	13.38%
Zn 206.200†	76.4	0.0024	mg/L	0.00004	0.0024	mg/L	0.00004	1.66%
Zr 343.823†	-1.1	-0.0000	mg/L	0.00018	-0.0000	mg/L	0.00018	>999.9%

Batch ID: AVIO 500
Sequence No.: 33 **Autosampler Location: 40**
Sample ID: 22D0541-13@5X **Date Collected: 4/18/2022 6:30:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: 22D0541-13@5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	389734.7	98.4	%	1.09	98.4	%	1.09	1.11%
Y axial	1924539.4	96.3	%	0.72	96.3	%	0.72	0.75%
Ag 328.068†	-52.6	-0.0016	mg/L	0.00056	-0.0016	mg/L	0.00056	34.22%
Al 396.153†	685.4	0.0807	mg/L	0.00249	0.0807	mg/L	0.00249	3.08%
As 188.979†	1.5	0.0014	mg/L	0.00509	0.0014	mg/L	0.00509	361.31%
B 208.889†	13.3	0.0025	mg/L	0.00059	0.0025	mg/L	0.00059	23.96%

Ba 233.527†	5065.9	0.0825 mg/L	0.00175	0.0825 mg/L	0.00175	2.12%
Be 313.107†	225.7	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	4.46%
Ca 317.933†	851556.6	44.78 mg/L	0.073	44.78 mg/L	0.073	0.16%
Cd 228.802†	6.4	0.0004 mg/L	0.00049	0.0004 mg/L	0.00049	124.51%
Co 228.616†	9.7	0.0007 mg/L	0.00031	0.0007 mg/L	0.00031	44.91%
Cr 267.716†	61.8	0.0016 mg/L	0.00024	0.0016 mg/L	0.00024	15.57%
Cu 327.393†	38.1	0.0019 mg/L	0.00104	0.0019 mg/L	0.00104	55.81%
Fe 238.204†	657.6	0.0683 mg/L	0.00041	0.0683 mg/L	0.00041	0.60%
K 766.490†	2348.4	0.7163 mg/L	0.03250	0.7163 mg/L	0.03250	4.54%
Mg 285.213†	164460.0	5.834 mg/L	0.0093	5.834 mg/L	0.0093	0.16%
Mn 257.610†	709.5	0.0130 mg/L	0.00010	0.0130 mg/L	0.00010	0.76%
Mo 202.031†	11.1	0.0009 mg/L	0.00006	0.0009 mg/L	0.00006	5.88%
Na 589.592†	11115.6	1.046 mg/L	0.0066	1.046 mg/L	0.0066	0.63%
Ni 231.604†	7.8	0.0003 mg/L	0.00018	0.0003 mg/L	0.00018	54.23%
Pb 220.353†	-14.6	-0.0035 mg/L	0.00134	-0.0035 mg/L	0.00134	38.05%
Sb 206.836†	-9.7	-0.0050 mg/L	0.00261	-0.0050 mg/L	0.00261	52.62%
Se 196.026†	-2.0	-0.0014 mg/L	0.00491	-0.0014 mg/L	0.00491	340.25%
Sn 189.927†	-34.9	-0.0088 mg/L	0.00032	-0.0088 mg/L	0.00032	3.63%
Ti 337.279†	-9.7	-0.0002 mg/L	0.00030	-0.0002 mg/L	0.00030	197.53%
Tl 351.924†	-10.7	-0.0059 mg/L	0.02711	-0.0059 mg/L	0.02711	460.79%
V 290.880†	318.3	0.0059 mg/L	0.00028	0.0059 mg/L	0.00028	4.79%
Zn 206.200†	35.3	0.0011 mg/L	0.00021	0.0011 mg/L	0.00021	18.96%
Zr 343.823†	-1.6	-0.0000 mg/L	0.00028	-0.0000 mg/L	0.00028	>999.9%

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Batch ID: AVIO 500
Sequence No.: 36 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/18/2022 6:49:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	378221.8	95.5	%	0.74	95.5	%	0.74	0.77%
Y axial	1856824.6	92.9	%	0.28	92.9	%	0.28	0.30%
Ag 328.068†	42206.1	2.092	mg/L	0.0144	2.092	mg/L	0.0144	0.69%
QC value less than the lower limit for Ag 328.068 Recovery = 83.67%								
Al 396.153†	85193.5	9.746	mg/L	0.0095	9.746	mg/L	0.0095	0.10%
QC value within limits for Al 396.153 Recovery = 97.46%								
As 188.979†	5146.4	4.982	mg/L	0.0095	4.982	mg/L	0.0095	0.19%
QC value within limits for As 188.979 Recovery = 99.64%								
B 208.889†	26192.4	4.717	mg/L	0.0102	4.717	mg/L	0.0102	0.22%
QC value within limits for B 208.889 Recovery = 94.33%								
Ba 233.527†	311364.3	5.077	mg/L	0.0055	5.077	mg/L	0.0055	0.11%
QC value within limits for Ba 233.527 Recovery = 101.54%								
Be 313.107†	4342702.3	5.103	mg/L	0.0713	5.103	mg/L	0.0713	1.40%
QC value within limits for Be 313.107 Recovery = 102.06%								
Ca 317.933†	193433.1	10.17	mg/L	0.002	10.17	mg/L	0.002	0.02%
QC value within limits for Ca 317.933 Recovery = 101.73%								
Cd 228.802†	87603.5	4.910	mg/L	0.0118	4.910	mg/L	0.0118	0.24%

QC value within limits for Cd 228.802 Recovery = 98.19%

Co 228.616†	73662.1	5.029 mg/L	0.0067	5.029 mg/L	0.0067	0.13%
QC value within limits for Co 228.616 Recovery = 100.58%						
Cr 267.716†	183816.3	5.068 mg/L	0.0040	5.068 mg/L	0.0040	0.08%
QC value within limits for Cr 267.716 Recovery = 101.36%						
Cu 327.393†	270253.6	5.074 mg/L	0.0092	5.074 mg/L	0.0092	0.18%
QC value within limits for Cu 327.393 Recovery = 101.47%						
Fe 238.204†	48077.2	4.990 mg/L	0.0043	4.990 mg/L	0.0043	0.09%
QC value within limits for Fe 238.204 Recovery = 99.80%						
K 766.490†	32008.7	9.763 mg/L	0.0340	9.763 mg/L	0.0340	0.35%
QC value within limits for K 766.490 Recovery = 97.63%						
Mg 285.213†	286823.8	10.11 mg/L	0.013	10.11 mg/L	0.013	0.13%
QC value within limits for Mg 285.213 Recovery = 101.13%						
Mn 257.610†	273787.5	5.006 mg/L	0.0053	5.006 mg/L	0.0053	0.11%
QC value within limits for Mn 257.610 Recovery = 100.12%						
Mo 202.031†	58926.1	5.014 mg/L	0.0138	5.014 mg/L	0.0138	0.27%
QC value within limits for Mo 202.031 Recovery = 100.29%						
Na 589.592†	103946.3	9.780 mg/L	0.0087	9.780 mg/L	0.0087	0.09%
QC value within limits for Na 589.592 Recovery = 97.80%						
Ni 231.604†	118011.0	5.050 mg/L	0.0038	5.050 mg/L	0.0038	0.08%
QC value within limits for Ni 231.604 Recovery = 101.01%						
Pb 220.353†	20839.9	5.051 mg/L	0.0093	5.051 mg/L	0.0093	0.18%
QC value within limits for Pb 220.353 Recovery = 101.02%						
Sb 206.836†	9828.6	4.883 mg/L	0.0091	4.883 mg/L	0.0091	0.19%
QC value within limits for Sb 206.836 Recovery = 97.67%						
Se 196.026†	6726.8	4.950 mg/L	0.0154	4.950 mg/L	0.0154	0.31%
QC value within limits for Se 196.026 Recovery = 98.99%						
Sn 189.927†	20077.2	5.098 mg/L	0.0087	5.098 mg/L	0.0087	0.17%
QC value within limits for Sn 189.927 Recovery = 101.96%						
Ti 337.279†	317090.5	5.026 mg/L	0.0034	5.026 mg/L	0.0034	0.07%
QC value within limits for Ti 337.279 Recovery = 100.51%						
Tl 351.924†	4530.9	2.479 mg/L	0.0133	2.479 mg/L	0.0133	0.54%
QC value within limits for Tl 351.924 Recovery = 99.16%						
V 290.880†	251460.7	5.116 mg/L	0.0062	5.116 mg/L	0.0062	0.12%
QC value within limits for V 290.880 Recovery = 102.33%						
Zn 206.200†	157985.9	5.055 mg/L	0.0029	5.055 mg/L	0.0029	0.06%
QC value within limits for Zn 206.200 Recovery = 101.10%						
Zr 343.823†	771123.4	4.992 mg/L	0.0027	4.992 mg/L	0.0027	0.05%
QC value within limits for Zr 343.823 Recovery = 99.85%						

QC Failed. Continue with analysis.

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Batch ID: AVIO 500
Sequence No.: 37 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/18/2022 6:56:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 200

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y radial	405959.5	103	%	0.76	103	%	0.76	0.74%
Y axial	2016874.8	101	%	0.58	101	%	0.58	0.57%
Ag 328.068†	63.9	0.0032	mg/L	0.00103	0.0032	mg/L	0.00103	32.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	15.5	0.0017	mg/L	0.00343	0.0017	mg/L	0.00343	196.31%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-1.6	-0.0015	mg/L	0.00037	-0.0015	mg/L	0.00037	24.60%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	13.4	0.0025	mg/L	0.00010	0.0025	mg/L	0.00010	4.18%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	7.8	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	72.04%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	293.5	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	0.81%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	385.8	0.0203	mg/L	0.00199	0.0203	mg/L	0.00199	9.82%
QC value within limits for Ca 317.933 Recovery = Not calculated								

Cd 228.802†	12.7	0.0008 mg/L	0.00024	0.0008 mg/L	0.00024	30.55%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	12.7	0.0009 mg/L	0.00021	0.0009 mg/L	0.00021	23.59%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-4.2	-0.0001 mg/L	0.00027	-0.0001 mg/L	0.00027	236.66%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	98.9	0.0018 mg/L	0.00131	0.0018 mg/L	0.00131	71.03%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	4.0	0.0004 mg/L	0.00073	0.0004 mg/L	0.00073	176.12%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	104.7	0.0319 mg/L	0.02662	0.0319 mg/L	0.02662	83.37%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	8.2	0.0003 mg/L	0.00025	0.0003 mg/L	0.00025	85.53%
QC value within limits for Mg 285.213 Recovery = Not calculated						
Mn 257.610†	18.8	0.0003 mg/L	0.00012	0.0003 mg/L	0.00012	34.87%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	19.9	0.0017 mg/L	0.00022	0.0017 mg/L	0.00022	12.82%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	324.2	0.0305 mg/L	0.00395	0.0305 mg/L	0.00395	12.95%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-7.1	-0.0003 mg/L	0.00041	-0.0003 mg/L	0.00041	136.98%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-16.0	-0.0039 mg/L	0.00025	-0.0039 mg/L	0.00025	6.56%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-3.2	-0.0016 mg/L	0.00246	-0.0016 mg/L	0.00246	151.89%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	1.2	0.0009 mg/L	0.00672	0.0009 mg/L	0.00672	746.98%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	0.9	0.0002 mg/L	0.00083	0.0002 mg/L	0.00083	367.74%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	-2.1	-0.0000 mg/L	0.00024	-0.0000 mg/L	0.00024	717.97%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-28.0	-0.0154 mg/L	0.03287	-0.0154 mg/L	0.03287	213.54%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	0.0	0.0000 mg/L	0.00068	0.0000 mg/L	0.00068	>999.9%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	11.4	0.0004 mg/L	0.00021	0.0004 mg/L	0.00021	57.44%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	-16.3	-0.0001 mg/L	0.00038	-0.0001 mg/L	0.00038	359.34%

All analyte(s) passed QC.

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Batch ID: AVIO 500
Sequence No.: 54 **Autosampler Location: 17**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/18/2022 8:40:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	357383.5	90.3	%	0.49	90.3	%	0.49	0.54%
Y axial	1717957.7	86.0	%	0.27	86.0	%	0.27	0.31%
Ag 328.068†	-274.6	-0.0083	mg/L	0.00162	-0.0083	mg/L	0.00162	19.59%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	2084886.2	245.6	mg/L	0.18	245.6	mg/L	0.18	0.08%
QC value within limits for Al 396.153 Recovery = 98.26%								
As 188.979†	-31.5	-0.0066	mg/L	0.00763	-0.0066	mg/L	0.00763	116.01%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	10.2	0.0025	mg/L	0.00030	0.0025	mg/L	0.00030	11.72%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	443.3	0.0072	mg/L	0.00015	0.0072	mg/L	0.00015	2.09%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	500.3	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	15.73%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	4655643.6	244.8	mg/L	0.16	244.8	mg/L	0.16	0.06%
QC value within limits for Ca 317.933 Recovery = 97.94%								
Cd 228.802†	15.0	0.0026	mg/L	0.00046	0.0026	mg/L	0.00046	17.73%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-63.1	0.0006	mg/L	0.00054	0.0006	mg/L	0.00054	89.24%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	217.6	0.0006	mg/L	0.00058	0.0006	mg/L	0.00058	96.55%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-529.8	-0.0095	mg/L	0.00043	-0.0095	mg/L	0.00043	4.55%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	921245.1	95.61	mg/L	0.169	95.61	mg/L	0.169	0.18%
QC value within limits for Fe 238.204 Recovery = 95.61%								
K 766.490†	769.6	0.2348	mg/L	0.02101	0.2348	mg/L	0.02101	8.95%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	6469713.6	229.6	mg/L	0.10	229.6	mg/L	0.10	0.04%
QC value within limits for Mg 285.213 Recovery = 91.82%								
Mn 257.610†	-80.9	-0.0015	mg/L	0.00037	-0.0015	mg/L	0.00037	24.83%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-122.5	-0.0104	mg/L	0.00034	-0.0104	mg/L	0.00034	3.30%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	8949.1	0.8420	mg/L	0.00797	0.8420	mg/L	0.00797	0.95%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-223.2	-0.0061	mg/L	0.00021	-0.0061	mg/L	0.00021	3.45%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-139.5	-0.0052	mg/L	0.00269	-0.0052	mg/L	0.00269	52.24%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-5.4	0.0087	mg/L	0.00053	0.0087	mg/L	0.00053	6.13%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-69.7	0.0057	mg/L	0.00787	0.0057	mg/L	0.00787	137.06%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	-64.9	-0.0165	mg/L	0.00139	-0.0165	mg/L	0.00139 8.47%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 337.279†	-22.1	-0.0004	mg/L	0.00072	-0.0004	mg/L	0.00072 203.44%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 351.924†	-114.4	-0.0191	mg/L	0.00543	-0.0191	mg/L	0.00543 28.51%
QC value within limits for Tl 351.924 Recovery = Not calculated							
V 290.880†	2264.3	0.0200	mg/L	0.00141	0.0200	mg/L	0.00141 7.03%
QC value greater than the upper limit for V 290.880 Recovery = Not calculated							
Zn 206.200†	102.0	0.0033	mg/L	0.00021	0.0033	mg/L	0.00021 6.39%
QC value within limits for Zn 206.200 Recovery = Not calculated							
Zr 343.823†	393.3	0.0008	mg/L	0.00004	0.0008	mg/L	0.00004 4.80%

QC Failed. Continue with analysis.

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Batch ID: AVIO 500
Sequence No.: 55 **Autosampler Location: 18**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/18/2022 8:45:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 100

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	359279.2	90.7	%	0.29	90.7	%	0.29	0.32%
Y axial	1700678.0	85.1	%	0.40	85.1	%	0.40	0.47%
Ag 328.068†	17683.2	0.8974	mg/L	0.00709	0.8974	mg/L	0.00709	0.79%
QC value within limits for Ag 328.068 Recovery = 89.74%								
Al 396.153†	2108495.2	248.4	mg/L	0.28	248.4	mg/L	0.28	0.11%
QC value within limits for Al 396.153 Recovery = 99.37%								
As 188.979†	-29.7	-0.0047	mg/L	0.00384	-0.0047	mg/L	0.00384	81.42%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	14.2	0.0032	mg/L	0.00254	0.0032	mg/L	0.00254	78.82%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	31810.0	0.5184	mg/L	0.00299	0.5184	mg/L	0.00299	0.58%
QC value within limits for Ba 233.527 Recovery = 103.69%								
Be 313.107†	449867.8	0.5280	mg/L	0.00097	0.5280	mg/L	0.00097	0.18%
QC value within limits for Be 313.107 Recovery = 105.60%								
Ca 317.933†	4711134.1	247.8	mg/L	0.44	247.8	mg/L	0.44	0.18%
QC value within limits for Ca 317.933 Recovery = 99.10%								
Cd 228.802†	17952.0	1.033	mg/L	0.0084	1.033	mg/L	0.0084	0.82%
QC value within limits for Cd 228.802 Recovery = 103.26%								
Co 228.616†	6810.3	0.4699	mg/L	0.00269	0.4699	mg/L	0.00269	0.57%
QC value within limits for Co 228.616 Recovery = 93.98%								
Cr 267.716†	18417.4	0.5025	mg/L	0.00107	0.5025	mg/L	0.00107	0.21%
QC value within limits for Cr 267.716 Recovery = 100.49%								
Cu 327.393†	28172.1	0.5268	mg/L	0.00164	0.5268	mg/L	0.00164	0.31%
QC value within limits for Cu 327.393 Recovery = 105.36%								
Fe 238.204†	930456.1	96.57	mg/L	0.152	96.57	mg/L	0.152	0.16%
QC value within limits for Fe 238.204 Recovery = 96.57%								
K 766.490†	564.3	0.1721	mg/L	0.02223	0.1721	mg/L	0.02223	12.91%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	6546418.0	232.3	mg/L	0.20	232.3	mg/L	0.20	0.09%
QC value within limits for Mg 285.213 Recovery = 92.91%								
Mn 257.610†	27087.4	0.4953	mg/L	0.00304	0.4953	mg/L	0.00304	0.61%
QC value within limits for Mn 257.610 Recovery = 99.06%								
Mo 202.031†	-114.3	-0.0097	mg/L	0.00025	-0.0097	mg/L	0.00025	2.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	5032.9	0.4735	mg/L	0.00157	0.4735	mg/L	0.00157	0.33%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	21354.2	0.9173	mg/L	0.00417	0.9173	mg/L	0.00417	0.45%
QC value within limits for Ni 231.604 Recovery = 91.73%								
Pb 220.353†	3913.5	0.9739	mg/L	0.00130	0.9739	mg/L	0.00130	0.13%
QC value within limits for Pb 220.353 Recovery = 97.39%								
Sb 206.836†	-4.3	0.0029	mg/L	0.00618	0.0029	mg/L	0.00618	213.64%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-75.8	0.0013	mg/L	0.00551	0.0013	mg/L	0.00551	425.90%

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   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†              -67.0     -0.0170 mg/L       0.00153     -0.0170 mg/L       0.00153   9.02%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 337.279†              -49.9     -0.0008 mg/L       0.00028     -0.0008 mg/L       0.00028  35.69%
   QC value within limits for Ti 337.279  Recovery = Not calculated
Tl 351.924†             -123.8     -0.0249 mg/L       0.00425     -0.0249 mg/L       0.00425  17.07%
   QC value within limits for Tl 351.924  Recovery = Not calculated
V 290.880†             28149.5      0.5432 mg/L       0.00342      0.5432 mg/L       0.00342   0.63%
   QC value within limits for V 290.880  Recovery = 108.64%
Zn 206.200†            30627.6      0.9780 mg/L       0.00577      0.9780 mg/L       0.00577   0.59%
   QC value within limits for Zn 206.200  Recovery = 97.80%
Zr 343.823†              381.1      0.0007 mg/L       0.00013      0.0007 mg/L       0.00013  18.52%
All analyte(s) passed QC.
```

ANALYSIS SEQUENCE

S073161

Instrument: ICP3

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073161-ICV1	QC		1		2111414	2204254	
S073161-ICV2	QC		2		2201355	2204254	
S073161-ICB1	QC		3		2111294	2204254	
S073161-LCV1	QC		4		2202321	2204254	
S073161-CCV1	QC		5		2112026	2204254	
S073161-IFA1	QC		6		2202319	2204254	
S073161-IFB1	QC		7		2202320	2204254	
S073161-HCV1	QC		8		2201173	2204254	
S073161-HCV2	QC		9		2204247	2204254	
S073161-CCV2	QC		10		2112026	2204254	
S073161-CCB1	QC		11		2111294	2204254	
B305691-BLK2	QC		12			2204254	
B305691-BS2	QC		13			2204254	
S073161-CCV3	QC		14		2112026	2204254	
S073161-CCB2	QC		15		2111294	2204254	
B305691-BSD2	QC		16			2204254	
B305691-MS2	QC		17			2204254	
22D0541-19	Beryllium 6010 Total	C	18			2204254	
22D0541-19	Cadmium 6010 Total	C	19			2204254	
22D0541-19	Chromium 6010 Total	C	20			2204254	
22D0541-19	Lead 6010 Total	C	21			2204254	
22D0541-19	Zinc 6010 Total	C	22			2204254	
S073161-IFA2	QC		23		2202319	2204254	
S073161-IFB2	QC		24		2202320	2204254	
S073161-CCV4	QC		25		2112026	2204254	
S073161-CCB3	QC		26		2111294	2204254	

Samples Loaded By Date

Data Processed By Date

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Reprocessing Begun
Logged In Analyst: ICP3 **Technique: ICP Continuous**

Results Data Set (original): 0415A22
Results Library (original): C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb
Results Data Set (reprocessed): 0415B22
Results Library (reprocessed): C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/15/2022 7:53:27 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:18 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	344990.1	3080.49	0.89%	100	%
Y axial	3224023.9	8551.33	0.27%	100	%
Ag 328.068†	-90.5	10.65	11.77%	[0.00]	mg/L
Al 396.153†	60.1	31.66	52.71%	[0.00]	mg/L
As 188.979†	-52.2	4.66	8.93%	[0.00]	mg/L
B 208.889†	74.4	2.24	3.01%	[0.00]	mg/L
Ba 233.527†	-22.9	3.86	16.84%	[0.00]	mg/L
Be 313.107†	1042.8	8.10	0.78%	[0.00]	mg/L
Ca 317.933†	2077.1	11.13	0.54%	[0.00]	mg/L
Cd 228.802†	62.5	2.84	4.55%	[0.00]	mg/L
Co 228.616†	-156.3	2.49	1.59%	[0.00]	mg/L
Cr 267.716†	135.7	18.21	13.42%	[0.00]	mg/L
Cu 327.393†	-126.4	28.57	22.60%	[0.00]	mg/L
Fe 238.204†	-1.2	1.19	96.75%	[0.00]	mg/L
K 766.490†	361.8	91.55	25.30%	[0.00]	mg/L
Mg 285.213†	270.9	6.42	2.37%	[0.00]	mg/L
Mn 257.610†	-176.4	8.01	4.54%	[0.00]	mg/L
Mo 202.031†	35.4	1.00	2.84%	[0.00]	mg/L
Na 589.592†	523.6	37.69	7.20%	[0.00]	mg/L
Ni 231.604†	82.6	9.05	10.97%	[0.00]	mg/L
Pb 220.353†	37.6	4.80	12.78%	[0.00]	mg/L
Sb 206.836†	26.1	2.29	8.76%	[0.00]	mg/L
Se 196.026†	14.8	3.80	25.61%	[0.00]	mg/L
Sn 189.927†	-79.3	3.60	4.55%	[0.00]	mg/L
Ti 337.279†	-160.0	32.51	20.32%	[0.00]	mg/L
Tl 351.924†	-22.6	3.86	17.07%	[0.00]	mg/L
V 290.880†	1090.7	3.75	0.34%	[0.00]	mg/L
Zn 206.200†	-103.1	13.96	13.53%	[0.00]	mg/L
Zr 343.823†	133.7	27.30	20.41%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 1**
Sample ID: Cal Blank@ I.S 2109348 **Date Collected: 4/15/2022 8:08:45 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:19 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: Cal Blank@ I.S 2109348

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	340535.9	4929.91	1.45%	98.7	%
Y axial	3244544.8	29834.32	0.92%	101	%
Ag 328.068†	-80.7	17.99	22.27%	[0.00]	mg/L
Al 396.153†	30.4	25.43	83.57%	[0.00]	mg/L
As 188.979†	-50.0	5.60	11.20%	[0.00]	mg/L
B 208.889†	58.5	3.60	6.16%	[0.00]	mg/L
Ba 233.527†	-18.8	4.24	22.53%	[0.00]	mg/L
Be 313.107†	1041.2	23.63	2.27%	[0.00]	mg/L
Ca 317.933†	2114.7	13.74	0.65%	[0.00]	mg/L

Cd 228.802†	68.4	4.51	6.60%	[0.00]	mg/L
Co 228.616†	-151.4	5.12	3.38%	[0.00]	mg/L
Cr 267.716†	155.1	14.87	9.59%	[0.00]	mg/L
Cu 327.393†	-112.4	72.16	64.18%	[0.00]	mg/L
Fe 238.204†	-3.6	2.17	60.08%	[0.00]	mg/L
K 766.490†	354.8	97.96	27.61%	[0.00]	mg/L
Mg 285.213†	266.1	4.19	1.57%	[0.00]	mg/L
Mn 257.610†	-179.4	12.13	6.76%	[0.00]	mg/L
Mo 202.031†	31.3	6.27	20.05%	[0.00]	mg/L
Na 589.592†	487.5	44.29	9.09%	[0.00]	mg/L
Ni 231.604†	85.5	3.53	4.13%	[0.00]	mg/L
Pb 220.353†	44.0	6.74	15.32%	[0.00]	mg/L
Sb 206.836†	29.7	2.89	9.72%	[0.00]	mg/L
Se 196.026†	10.7	1.78	16.66%	[0.00]	mg/L
Sn 189.927†	-85.6	4.43	5.17%	[0.00]	mg/L
Ti 337.279†	-119.8	35.06	29.26%	[0.00]	mg/L
Tl 351.924†	-17.7	13.93	78.72%	[0.00]	mg/L
V 290.880†	1056.3	15.66	1.48%	[0.00]	mg/L
Zn 206.200†	-143.8	6.55	4.55%	[0.00]	mg/L
Zr 343.823†	145.7	40.61	27.88%	[0.00]	mg/L

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Sequence No.: 3 **Autosampler Location: 21**
Sample ID: SEQ-CAL1@ 2112021 **Date Collected: 4/15/2022 8:14:37 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:20 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL1@ 2112021

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	346210.2	5345.29	1.54%	100	%
Y axial	3238724.3	29629.88	0.91%	100	%
Ag 328.068†	5912.6	77.44	1.31%	[0.0625]	mg/L
Al 396.153†	1689.6	4.21	0.25%	[0.25]	mg/L
As 188.979†	153.8	2.20	1.43%	[0.125]	mg/L
B 208.889†	911.6	15.67	1.72%	[0.125]	mg/L
Ba 233.527†	7257.2	114.63	1.58%	[0.125]	mg/L
Be 313.107†	44054.4	38.89	0.09%	[0.125]	mg/L
Cd 228.802†	3172.1	53.67	1.69%	[0.125]	mg/L
Co 228.616†	3523.5	55.53	1.58%	[0.125]	mg/L
Cr 267.716†	6946.6	182.33	2.62%	[0.125]	mg/L
Cu 327.393†	18091.8	356.99	1.97%	[0.125]	mg/L
Fe 238.204†	98.8	3.16	3.20%	[0.125]	mg/L
Mg 285.213†	5081.8	25.45	0.50%	[0.25]	mg/L
Mn 257.610†	3021.0	45.92	1.52%	[0.125]	mg/L
Mo 202.031†	2061.3	31.91	1.55%	[0.125]	mg/L
Ni 231.604†	3070.7	58.97	1.92%	[0.125]	mg/L
Pb 220.353†	425.5	6.74	1.58%	[0.125]	mg/L
Sb 206.836†	264.9	4.73	1.79%	[0.125]	mg/L
Se 196.026†	186.0	5.44	2.93%	[0.125]	mg/L
Sn 189.927†	640.1	2.65	0.41%	[0.125]	mg/L
Ti 337.279†	5186.8	78.63	1.52%	[0.125]	mg/L
Tl 351.924†	201.3	25.47	12.66%	[0.0625]	mg/L
V 290.880†	9139.3	150.90	1.65%	[0.125]	mg/L
Zn 206.200†	2906.1	48.78	1.68%	[0.125]	mg/L
Zr 343.823†	30869.2	648.52	2.10%	[0.125]	mg/L

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Sequence No.: 4 **Autosampler Location: 22**
Sample ID: SEQ-CAL2@ 2112022 **Date Collected: 4/15/2022 8:22:20 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:21 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL2@ 2112022

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	347582.7	4813.28	1.38%	101	%

Y axial	3249689.5	26997.85	0.83%	101	%
Ag 328.068†	23861.0	148.37	0.62%	[0.25]	mg/L
Al 396.153†	6868.6	37.60	0.55%	[1]	mg/L
As 188.979†	627.9	11.39	1.81%	[0.5]	mg/L
B 208.889†	3773.8	40.97	1.09%	[0.5]	mg/L
Ba 233.527†	29842.6	700.73	2.35%	[0.5]	mg/L
Be 313.107†	180240.5	440.61	0.24%	[0.5]	mg/L
Ca 317.933†	12620.9	73.84	0.59%	[1]	mg/L
Cd 228.802†	12952.5	274.45	2.12%	[0.5]	mg/L
Co 228.616†	14611.3	402.43	2.75%	[0.5]	mg/L
Cr 267.716†	28353.2	685.99	2.42%	[0.5]	mg/L
Cu 327.393†	75064.6	1780.34	2.37%	[0.5]	mg/L
Fe 238.204†	399.1	4.79	1.20%	[0.5]	mg/L
Mg 285.213†	20751.3	80.78	0.39%	[1]	mg/L
Mn 257.610†	12375.1	27.49	0.22%	[0.5]	mg/L
Mo 202.031†	8476.1	80.97	0.96%	[0.5]	mg/L
Ni 231.604†	12716.0	142.66	1.12%	[0.5]	mg/L
Pb 220.353†	1750.7	22.08	1.26%	[0.5]	mg/L
Sb 206.836†	1096.3	11.02	1.01%	[0.5]	mg/L
Se 196.026†	702.3	8.52	1.21%	[0.5]	mg/L
Sn 189.927†	2634.6	31.60	1.20%	[0.5]	mg/L
Ti 337.279†	21221.3	39.02	0.18%	[0.5]	mg/L
Tl 351.924†	896.5	19.71	2.20%	[0.25]	mg/L
V 290.880†	37067.8	834.81	2.25%	[0.5]	mg/L
Zn 206.200†	12005.1	137.08	1.14%	[0.5]	mg/L
Zr 343.823†	127833.0	2987.66	2.34%	[0.5]	mg/L

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Sequence No.: 5 **Autosampler Location: 23**
Sample ID: SEQ-CAL3@ 2112023 **Date Collected: 4/15/2022 8:30:04 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:22 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL3@ 2112023

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	345554.3	3829.43	1.11%	100	%
Y axial	3224480.5	34009.21	1.05%	100	%
Ag 328.068†	46355.3	1048.13	2.26%	[0.5]	mg/L
Al 396.153†	13766.7	5.61	0.04%	[2]	mg/L
As 188.979†	1253.5	15.19	1.21%	[1]	mg/L
B 208.889†	7610.8	66.99	0.88%	[1]	mg/L
Ba 233.527†	59209.9	847.10	1.43%	[1]	mg/L
Be 313.107†	358841.4	391.95	0.11%	[1]	mg/L
Ca 317.933†	25285.1	62.75	0.25%	[2]	mg/L
Cd 228.802†	25770.4	315.86	1.23%	[1]	mg/L
Co 228.616†	28869.4	410.70	1.42%	[1]	mg/L
Cr 267.716†	56238.0	649.97	1.16%	[1]	mg/L
Cu 327.393†	148769.7	2003.63	1.35%	[1]	mg/L
Fe 238.204†	793.4	18.80	2.37%	[1]	mg/L
K 766.490†	4228.1	74.26	1.76%	[2]	mg/L
Mg 285.213†	41402.8	68.83	0.17%	[2]	mg/L
Mn 257.610†	24676.1	61.13	0.25%	[1]	mg/L
Mo 202.031†	16814.1	182.23	1.08%	[1]	mg/L
Na 589.592†	22390.2	94.23	0.42%	[2]	mg/L
Ni 231.604†	25216.8	246.94	0.98%	[1]	mg/L
Pb 220.353†	3477.8	25.70	0.74%	[1]	mg/L
Sb 206.836†	2207.5	17.81	0.81%	[1]	mg/L
Se 196.026†	1414.2	6.29	0.44%	[1]	mg/L
Sn 189.927†	5261.4	36.33	0.69%	[1]	mg/L
Ti 337.279†	42560.8	36.68	0.09%	[1]	mg/L
Tl 351.924†	1799.6	15.45	0.86%	[0.5]	mg/L
V 290.880†	73865.4	983.95	1.33%	[1]	mg/L
Zn 206.200†	23998.4	314.91	1.31%	[1]	mg/L
Zr 343.823†	254170.2	3198.89	1.26%	[1]	mg/L

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Sequence No.: 6 **Autosampler Location: 5**
Sample ID: SEQ-CAL4@ 2112024 **Date Collected: 4/15/2022 9:08:10 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:22 AM**
Logged In Analyst (Original) : ICP3

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL4@ 2112024

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	342633.2	2335.03	0.68%	99.3	%
Y axial	3118334.2	28695.70	0.92%	96.7	%
Ag 328.068†	226718.9	1463.55	0.65%	[2.5]	mg/L
Al 396.153†	71226.8	77.31	0.11%	[10]	mg/L
As 188.979†	6462.4	115.19	1.78%	[5]	mg/L
B 208.889†	38646.9	636.18	1.65%	[5]	mg/L
Ba 233.527†	295382.7	455.55	0.15%	[5]	mg/L
Be 313.107†	1756474.7	1214.23	0.07%	[5]	mg/L
Ca 317.933†	127806.3	52.33	0.04%	[10]	mg/L
Cd 228.802†	130736.8	312.38	0.24%	[5]	mg/L
Co 228.616†	142997.3	263.03	0.18%	[5]	mg/L
Cr 267.716†	280196.3	477.95	0.17%	[5]	mg/L
Cu 327.393†	758363.0	2091.74	0.28%	[5]	mg/L
Fe 238.204†	4004.6	49.04	1.22%	[5]	mg/L
K 766.490†	21540.8	90.25	0.42%	[10]	mg/L
Mg 285.213†	208183.2	205.91	0.10%	[10]	mg/L
Mn 257.610†	123433.7	174.13	0.14%	[5]	mg/L
Mo 202.031†	83946.3	239.50	0.29%	[5]	mg/L
Na 589.592†	113544.2	452.33	0.40%	[10]	mg/L
Ni 231.604†	124164.6	182.97	0.15%	[5]	mg/L
Pb 220.353†	16978.7	225.07	1.33%	[5]	mg/L
Sb 206.836†	11190.8	209.35	1.87%	[5]	mg/L
Se 196.026†	7093.9	162.99	2.30%	[5]	mg/L
Sn 189.927†	26031.5	332.35	1.28%	[5]	mg/L
Ti 337.279†	214588.1	284.84	0.13%	[5]	mg/L
Tl 351.924†	8891.5	132.13	1.49%	[2.5]	mg/L
V 290.880†	374332.2	339.47	0.09%	[5]	mg/L
Zn 206.200†	119619.4	223.34	0.19%	[5]	mg/L
Zr 343.823†	1305159.0	2376.80	0.18%	[5]	mg/L

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Sequence No.: 7 **Autosampler Location: 24**
Sample ID: SEQ-CAL5@ 2112025 **Date Collected: 4/15/2022 8:45:40 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:23 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-CAL5@ 2112025

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y radial	340299.6	1680.76	0.49%	98.6	%
Y axial	3053924.0	11244.66	0.37%	94.7	%
Ag 328.068†	437874.6	4366.22	1.00%	[5]	mg/L
Al 396.153†	136434.0	216.53	0.16%	[20]	mg/L
As 188.979†	12658.8	208.61	1.65%	[10]	mg/L
B 208.889†	75806.2	1123.85	1.48%	[10]	mg/L
Ba 233.527†	569710.6	510.99	0.09%	[10]	mg/L
Be 313.107†	3459738.2	4921.09	0.14%	[10]	mg/L
Ca 317.933†	246232.9	443.43	0.18%	[20]	mg/L
Cd 228.802†	253037.2	433.10	0.17%	[10]	mg/L
Co 228.616†	277116.7	263.03	0.09%	[10]	mg/L
Cr 267.716†	546730.4	420.72	0.08%	[10]	mg/L
Cu 327.393†	1498227.2	2092.31	0.14%	[10]	mg/L
Fe 238.204†	7624.9	120.36	1.58%	[10]	mg/L
K 766.490†	41593.6	866.84	2.08%	[20]	mg/L
Mg 285.213†	402859.1	445.30	0.11%	[20]	mg/L
Mn 257.610†	239275.7	190.83	0.08%	[10]	mg/L
Mo 202.031†	164675.6	123.65	0.08%	[10]	mg/L
Na 589.592†	220337.3	190.95	0.09%	[20]	mg/L
Ni 231.604†	239810.8	311.44	0.13%	[10]	mg/L
Pb 220.353†	32760.9	371.24	1.13%	[10]	mg/L
Sb 206.836†	22083.1	373.65	1.69%	[10]	mg/L
Se 196.026†	14047.5	242.01	1.72%	[10]	mg/L
Sn 189.927†	50440.5	643.53	1.28%	[10]	mg/L

Ti 337.279†	423516.3	122.17	0.03%	[10]	mg/L
Tl 351.924†	17757.7	231.18	1.30%	[5]	mg/L
V 290.880†	733293.3	656.00	0.09%	[10]	mg/L
Zn 206.200†	229692.2	140.17	0.06%	[10]	mg/L
Zr 343.823†	2535752.8	1724.47	0.07%	[10]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	5	Lin Thru 0	0.0	88250	0.00000	0.999884	
Al 396.153	5	Lin Thru 0	0.0	6882	0.00000	0.999849	
As 188.979	5	Lin Thru 0	0.0	1271	0.00000	0.999964	
B 208.889	5	Lin Thru 0	0.0	7610	0.00000	0.999970	
Ba 233.527	5	Lin Thru 0	0.0	57410	0.00000	0.999888	
Be 313.107	5	Lin Thru 0	0.0	347200	0.00000	0.999975	
Ca 317.933	4	Lin Thru 0	0.0	12410	0.00000	0.999885	
Cd 228.802	5	Lin Thru 0	0.0	25480	0.00000	0.999912	
Co 228.616	5	Lin Thru 0	0.0	27900	0.00000	0.999913	
Cr 267.716	5	Lin Thru 0	0.0	54960	0.00000	0.999948	
Cu 327.393	5	Lin Thru 0	0.0	150200	0.00000	0.999988	
Fe 238.204	5	Lin Thru 0	0.0	770.4	0.00000	0.999798	
K 766.490	3	Lin Thru 0	0.0	2095	0.00000	0.999900	
Mg 285.213	5	Lin Thru 0	0.0	20280	0.00000	0.999910	
Mn 257.610	5	Lin Thru 0	0.0	24090	0.00000	0.999918	
Mo 202.031	5	Lin Thru 0	0.0	16530	0.00000	0.999968	
Na 589.592	3	Lin Thru 0	0.0	11090	0.00000	0.999926	
Ni 231.604	5	Lin Thru 0	0.0	24160	0.00000	0.999891	
Pb 220.353	5	Lin Thru 0	0.0	3302	0.00000	0.999881	
Sb 206.836	5	Lin Thru 0	0.0	2214	0.00000	0.999985	
Se 196.026	5	Lin Thru 0	0.0	1408	0.00000	0.999992	
Sn 189.927	5	Lin Thru 0	0.0	5078	0.00000	0.999913	
Ti 337.279	5	Lin Thru 0	0.0	42470	0.00000	0.999986	
Tl 351.924	5	Lin Thru 0	0.0	3553	0.00000	0.999999	
V 290.880	5	Lin Thru 0	0.0	73640	0.00000	0.999965	
Zn 206.200	5	Lin Thru 0	0.0	23170	0.00000	0.999859	
Zr 343.823	5	Lin Thru 0	0.0	255100	0.00000	0.999932	

Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/15/2022 11:14:35 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Sequence No.: 1 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/15/2022 9:41:28 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:14:37 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Replicate Data: SEQ-ICV@ 2111414

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Y radial	342644.7	342644.7	99.3	%			9:42:48 AM
1	Y axial	3173640.5	3173640.5	98.4	%			9:44:18 AM
1	Ag 328.068†	88358.9	89842.4	1.015	mg/L	1.015	mg/L	9:45:58 AM
1	Al 396.153†	14171.5	14238.0	1.949	mg/L	1.949	mg/L	9:42:48 AM
1	As 188.979†	2427.9	2516.5	1.988	mg/L	1.988	mg/L	9:44:39 AM
1	B 208.889†	15167.2	15349.5	1.917	mg/L	1.917	mg/L	9:44:39 AM
1	Ba 233.527†	115501.1	117353.5	2.045	mg/L	2.045	mg/L	9:44:18 AM
1	Be 313.107†	685738.4	689391.3	1.976	mg/L	1.976	mg/L	9:42:48 AM
1	Ca 317.933†	27599.6	25673.9	2.069	mg/L	2.069	mg/L	9:43:08 AM
1	Cd 228.802†	51066.6	51808.9	2.018	mg/L	2.018	mg/L	9:44:18 AM
1	Co 228.616†	56313.2	57358.5	2.052	mg/L	2.052	mg/L	9:44:18 AM
1	Cr 267.716†	109934.4	111524.6	2.028	mg/L	2.028	mg/L	9:44:18 AM
1	Cu 327.393†	294776.3	299568.4	2.008	mg/L	2.008	mg/L	9:44:18 AM
1	Fe 238.204†	1584.8	1599.2	2.080	mg/L	2.080	mg/L	9:43:08 AM
1	K 766.490†	4489.5	4165.4	1.989	mg/L	1.989	mg/L	9:43:08 AM
1	Mg 285.213†	40779.1	40792.1	1.975	mg/L	1.975	mg/L	9:42:48 AM
1	Mn 257.610†	48240.8	48750.4	2.026	mg/L	2.026	mg/L	9:42:48 AM
1	Mo 202.031†	32780.3	33269.4	2.012	mg/L	2.012	mg/L	9:44:39 AM
1	Na 589.592†	22367.2	22032.9	1.988	mg/L	1.988	mg/L	9:42:48 AM
1	Ni 231.604†	48949.4	49641.0	2.053	mg/L	2.053	mg/L	9:44:18 AM
1	Pb 220.353†	6811.0	6875.2	2.085	mg/L	2.085	mg/L	9:44:39 AM
1	Sb 206.836†	4382.5	4422.4	1.981	mg/L	1.981	mg/L	9:44:39 AM
1	Se 196.026†	2741.5	2774.3	1.977	mg/L	1.977	mg/L	9:44:39 AM
1	Sn 189.927†	10037.8	10282.8	2.034	mg/L	2.034	mg/L	9:44:39 AM

1	Ti 337.279†	83672.9	84365.5	1.986 mg/L	1.986 mg/L	9:42:48 AM
1	Tl 351.924†	3476.5	3549.4	0.9850 mg/L	0.9850 mg/L	9:44:39 AM
1	V 290.880†	145581.6	146836.5	2.004 mg/L	2.004 mg/L	9:44:18 AM
1	Zn 206.200†	46902.8	47791.3	2.056 mg/L	2.056 mg/L	9:44:18 AM
1	Zr 343.823†	501731.2	509550.8	1.998 mg/L	1.998 mg/L	9:44:18 AM
2	Y radial	354440.4	354440.4	103 %		9:43:10 AM
2	Y axial	3177865.3	3177865.3	98.6 %		9:44:41 AM
2	Ag 328.068†	86384.4	87719.9	0.9908 mg/L	0.9908 mg/L	9:46:00 AM
2	Al 396.153†	14585.4	14166.0	1.939 mg/L	1.939 mg/L	9:43:10 AM
2	As 188.979†	2420.9	2506.0	1.980 mg/L	1.980 mg/L	9:45:01 AM
2	B 208.889†	15156.4	15318.0	1.913 mg/L	1.913 mg/L	9:45:01 AM
2	Ba 233.527†	115147.4	116838.8	2.036 mg/L	2.036 mg/L	9:44:41 AM
2	Be 313.107†	713134.0	693078.9	1.987 mg/L	1.987 mg/L	9:43:10 AM
2	Ca 317.933†	27511.2	24663.0	1.988 mg/L	1.988 mg/L	9:43:30 AM
2	Cd 228.802†	50793.7	51463.1	2.004 mg/L	2.004 mg/L	9:44:41 AM
2	Co 228.616†	56045.3	57010.7	2.039 mg/L	2.039 mg/L	9:44:41 AM
2	Cr 267.716†	109593.6	111030.4	2.019 mg/L	2.019 mg/L	9:44:41 AM
2	Cu 327.393†	297515.3	301949.1	2.024 mg/L	2.024 mg/L	9:44:41 AM
2	Fe 238.204†	1570.1	1531.8	1.992 mg/L	1.992 mg/L	9:43:30 AM
2	K 766.490†	4421.7	3949.0	1.885 mg/L	1.885 mg/L	9:43:30 AM
2	Mg 285.213†	41916.1	40532.4	1.962 mg/L	1.962 mg/L	9:43:10 AM
2	Mn 257.610†	49721.1	48574.8	2.019 mg/L	2.019 mg/L	9:43:10 AM
2	Mo 202.031†	32692.5	33136.0	2.004 mg/L	2.004 mg/L	9:45:01 AM
2	Na 589.592†	23073.2	21970.5	1.982 mg/L	1.982 mg/L	9:43:10 AM
2	Ni 231.604†	48848.7	49472.8	2.046 mg/L	2.046 mg/L	9:44:41 AM
2	Pb 220.353†	6761.3	6815.5	2.067 mg/L	2.067 mg/L	9:45:01 AM
2	Sb 206.836†	4363.6	4397.2	1.970 mg/L	1.970 mg/L	9:45:01 AM
2	Se 196.026†	2755.5	2784.9	1.984 mg/L	1.984 mg/L	9:45:01 AM
2	Sn 189.927†	10005.9	10236.8	2.025 mg/L	2.025 mg/L	9:45:01 AM
2	Ti 337.279†	86549.8	84362.0	1.986 mg/L	1.986 mg/L	9:43:10 AM
2	Tl 351.924†	3485.8	3554.1	0.9863 mg/L	0.9863 mg/L	9:45:01 AM
2	V 290.880†	145503.1	146560.3	2.000 mg/L	2.000 mg/L	9:44:41 AM
2	Zn 206.200†	46929.9	47755.4	2.055 mg/L	2.055 mg/L	9:44:41 AM
2	Zr 343.823†	504382.8	511563.3	2.006 mg/L	2.006 mg/L	9:44:41 AM
3	Y radial	343200.8	343200.8	99.5 %		9:43:32 AM
3	Y axial	3176127.3	3176127.3	98.5 %		9:45:04 AM
3	Ag 328.068†	88831.7	90252.0	1.020 mg/L	1.020 mg/L	9:46:03 AM
3	Al 396.153†	14133.7	14177.0	1.941 mg/L	1.941 mg/L	9:43:32 AM
3	As 188.979†	2420.3	2506.8	1.980 mg/L	1.980 mg/L	9:45:24 AM
3	B 208.889†	15127.5	15297.2	1.910 mg/L	1.910 mg/L	9:45:24 AM
3	Ba 233.527†	115003.8	116756.9	2.035 mg/L	2.035 mg/L	9:45:04 AM
3	Be 313.107†	685629.4	688162.9	1.972 mg/L	1.972 mg/L	9:43:32 AM
3	Ca 317.933†	27472.8	25501.4	2.055 mg/L	2.055 mg/L	9:43:52 AM
3	Cd 228.802†	50838.0	51536.3	2.007 mg/L	2.007 mg/L	9:45:04 AM
3	Co 228.616†	56145.1	57143.1	2.044 mg/L	2.044 mg/L	9:45:04 AM
3	Cr 267.716†	109849.5	111350.9	2.025 mg/L	2.025 mg/L	9:45:04 AM
3	Cu 327.393†	296451.8	301034.7	2.018 mg/L	2.018 mg/L	9:45:04 AM
3	Fe 238.204†	1570.6	1582.4	2.058 mg/L	2.058 mg/L	9:43:52 AM
3	K 766.490†	4455.0	4123.4	1.968 mg/L	1.968 mg/L	9:43:52 AM
3	Mg 285.213†	40699.6	40645.7	1.967 mg/L	1.967 mg/L	9:43:32 AM
3	Mn 257.610†	48292.2	48723.3	2.025 mg/L	2.025 mg/L	9:43:32 AM
3	Mo 202.031†	32617.6	33078.2	2.000 mg/L	2.000 mg/L	9:45:24 AM
3	Na 589.592†	22349.0	21978.0	1.983 mg/L	1.983 mg/L	9:43:32 AM
3	Ni 231.604†	48726.8	49376.2	2.042 mg/L	2.042 mg/L	9:45:04 AM
3	Pb 220.353†	6764.0	6822.1	2.069 mg/L	2.069 mg/L	9:45:24 AM
3	Sb 206.836†	4356.1	4392.1	1.967 mg/L	1.967 mg/L	9:45:24 AM
3	Se 196.026†	2736.8	2767.4	1.972 mg/L	1.972 mg/L	9:45:24 AM
3	Sn 189.927†	10004.8	10241.3	2.026 mg/L	2.026 mg/L	9:45:24 AM
3	Ti 337.279†	83764.5	84321.1	1.985 mg/L	1.985 mg/L	9:43:32 AM
3	Tl 351.924†	3488.7	3559.1	0.9877 mg/L	0.9877 mg/L	9:45:24 AM
3	V 290.880†	145545.2	146683.7	2.002 mg/L	2.002 mg/L	9:45:04 AM
3	Zn 206.200†	46643.9	47491.2	2.043 mg/L	2.043 mg/L	9:45:04 AM
3	Zr 343.823†	503610.2	511059.1	2.004 mg/L	2.004 mg/L	9:45:04 AM
4	Y radial	347956.4	347956.4	101 %		9:43:54 AM
4	Y axial	3142605.2	3142605.2	97.5 %		9:45:27 AM
4	Ag 328.068†	88781.0	91161.8	1.030 mg/L	1.030 mg/L	9:46:05 AM
4	Al 396.153†	14308.5	14156.1	1.937 mg/L	1.937 mg/L	9:43:54 AM
4	As 188.979†	2433.2	2546.2	2.011 mg/L	2.011 mg/L	9:45:47 AM
4	B 208.889†	15181.9	15516.8	1.938 mg/L	1.938 mg/L	9:45:47 AM
4	Ba 233.527†	113917.7	116887.9	2.037 mg/L	2.037 mg/L	9:45:27 AM
4	Be 313.107†	699772.9	692766.2	1.986 mg/L	1.986 mg/L	9:43:54 AM
4	Ca 317.933†	27600.0	25250.1	2.035 mg/L	2.035 mg/L	9:44:15 AM
4	Cd 228.802†	50344.9	51580.8	2.009 mg/L	2.009 mg/L	9:45:27 AM
4	Co 228.616†	55485.0	57073.9	2.042 mg/L	2.042 mg/L	9:45:27 AM
4	Cr 267.716†	108677.1	111337.7	2.025 mg/L	2.025 mg/L	9:45:27 AM

4	Cu 327.393†	292671.3	300366.3	2.014 mg/L	2.014 mg/L	9:45:27 AM
4	Fe 238.204†	1578.7	1568.8	2.040 mg/L	2.040 mg/L	9:44:15 AM
4	K 766.490†	4464.4	4071.6	1.944 mg/L	1.944 mg/L	9:44:15 AM
4	Mg 285.213†	41214.9	40597.4	1.965 mg/L	1.965 mg/L	9:43:54 AM
4	Mn 257.610†	48753.5	48517.2	2.017 mg/L	2.017 mg/L	9:43:54 AM
4	Mo 202.031†	32731.2	33547.9	2.029 mg/L	2.029 mg/L	9:45:47 AM
4	Na 589.592†	22658.0	21977.3	1.983 mg/L	1.983 mg/L	9:43:54 AM
4	Ni 231.604†	48326.3	49492.9	2.047 mg/L	2.047 mg/L	9:45:27 AM
4	Pb 220.353†	6770.2	6901.6	2.093 mg/L	2.093 mg/L	9:45:47 AM
4	Sb 206.836†	4383.1	4466.9	2.001 mg/L	2.001 mg/L	9:45:47 AM
4	Se 196.026†	2760.0	2820.8	2.010 mg/L	2.010 mg/L	9:45:47 AM
4	Sn 189.927†	10007.2	10352.1	2.048 mg/L	2.048 mg/L	9:45:47 AM
4	Ti 337.279†	84941.4	84337.1	1.986 mg/L	1.986 mg/L	9:43:54 AM
4	Tl 351.924†	3483.5	3591.5	0.9968 mg/L	0.9968 mg/L	9:45:47 AM
4	V 290.880†	143910.6	146582.7	2.000 mg/L	2.000 mg/L	9:45:27 AM
4	Zn 206.200†	46095.2	47433.3	2.041 mg/L	2.041 mg/L	9:45:27 AM
4	Zr 343.823†	496261.1	508972.6	1.995 mg/L	1.995 mg/L	9:45:27 AM

Mean Data: SEQ-ICV@ 2111414

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	347060.6	101	%	1.58				1.58%
Y axial	3167559.6	98.2	%	0.52				0.53%
Ag 328.068†	89744.0	1.014	mg/L	0.0165	1.014	mg/L	0.0165	1.63%
QC value within limits for Ag 328.068 Recovery = 101.38%								
Al 396.153†	14184.3	1.942	mg/L	0.0055	1.942	mg/L	0.0055	0.28%
QC value within limits for Al 396.153 Recovery = 97.08%								
As 188.979†	2518.9	1.990	mg/L	0.0148	1.990	mg/L	0.0148	0.74%
QC value within limits for As 188.979 Recovery = 99.49%								
B 208.889†	15370.4	1.920	mg/L	0.0125	1.920	mg/L	0.0125	0.65%
QC value within limits for B 208.889 Recovery = 95.98%								
Ba 233.527†	116959.3	2.039	mg/L	0.0047	2.039	mg/L	0.0047	0.23%
QC value within limits for Ba 233.527 Recovery = 101.93%								
Be 313.107†	690849.8	1.980	mg/L	0.0071	1.980	mg/L	0.0071	0.36%
QC value within limits for Be 313.107 Recovery = 99.00%								
Ca 317.933†	25272.1	2.037	mg/L	0.0356	2.037	mg/L	0.0356	1.75%
QC value within limits for Ca 317.933 Recovery = 101.84%								
Cd 228.802†	51597.3	2.010	mg/L	0.0058	2.010	mg/L	0.0058	0.29%
QC value within limits for Cd 228.802 Recovery = 100.48%								
Co 228.616†	57146.6	2.044	mg/L	0.0054	2.044	mg/L	0.0054	0.27%
QC value within limits for Co 228.616 Recovery = 102.21%								
Cr 267.716†	111310.9	2.024	mg/L	0.0037	2.024	mg/L	0.0037	0.18%
QC value within limits for Cr 267.716 Recovery = 101.22%								
Cu 327.393†	300729.6	2.016	mg/L	0.0067	2.016	mg/L	0.0067	0.33%
QC value within limits for Cu 327.393 Recovery = 100.81%								
Fe 238.204†	1570.6	2.043	mg/L	0.0372	2.043	mg/L	0.0372	1.82%
QC value within limits for Fe 238.204 Recovery = 102.13%								
K 766.490†	4077.3	1.946	mg/L	0.0448	1.946	mg/L	0.0448	2.30%
QC value within limits for K 766.490 Recovery = 97.32%								
Mg 285.213†	40641.9	1.967	mg/L	0.0055	1.967	mg/L	0.0055	0.28%
QC value within limits for Mg 285.213 Recovery = 98.36%								
Mn 257.610†	48641.4	2.022	mg/L	0.0047	2.022	mg/L	0.0047	0.23%
QC value within limits for Mn 257.610 Recovery = 101.10%								
Mo 202.031†	33257.9	2.011	mg/L	0.0127	2.011	mg/L	0.0127	0.63%
QC value within limits for Mo 202.031 Recovery = 100.57%								
Na 589.592†	21989.7	1.984	mg/L	0.0026	1.984	mg/L	0.0026	0.13%
QC value within limits for Na 589.592 Recovery = 99.18%								
Ni 231.604†	49495.7	2.047	mg/L	0.0045	2.047	mg/L	0.0045	0.22%
QC value within limits for Ni 231.604 Recovery = 102.35%								
Pb 220.353†	6853.6	2.079	mg/L	0.0126	2.079	mg/L	0.0126	0.61%
QC value within limits for Pb 220.353 Recovery = 103.93%								
Sb 206.836†	4419.7	1.980	mg/L	0.0155	1.980	mg/L	0.0155	0.78%
QC value within limits for Sb 206.836 Recovery = 99.00%								
Se 196.026†	2786.8	1.985	mg/L	0.0169	1.985	mg/L	0.0169	0.85%
QC value within limits for Se 196.026 Recovery = 99.27%								
Sn 189.927†	10278.3	2.033	mg/L	0.0105	2.033	mg/L	0.0105	0.52%
QC value within limits for Sn 189.927 Recovery = 101.65%								
Ti 337.279†	84346.4	1.986	mg/L	0.0005	1.986	mg/L	0.0005	0.03%
QC value within limits for Ti 337.279 Recovery = 99.29%								
Tl 351.924†	3563.5	0.9890	mg/L	0.00537	0.9890	mg/L	0.00537	0.54%
QC value within limits for Tl 351.924 Recovery = 98.90%								
V 290.880†	146665.8	2.001	mg/L	0.0017	2.001	mg/L	0.0017	0.08%
QC value within limits for V 290.880 Recovery = 100.07%								
Zn 206.200†	47617.8	2.049	mg/L	0.0078	2.049	mg/L	0.0078	0.38%

QC value within limits for Zn 206.200 Recovery = 102.43%

Zr 343.823†	510286.4	2.001 mg/L	0.0048	2.001 mg/L	0.0048	0.24%

QC value within limits for Zr 343.823 Recovery = 100.03%

All analyte(s) passed QC.

Method Loaded
Method Name: UPDATE 05-13-21 **Method Last Saved: 4/15/2022 11:15:26 AM**
IEC File: 121821UPDATE.iec **MSF File:**
Method Description: Soils and Waters

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Al 396.153	Lin Thru 0	Peak Area	Radial	Y radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y axial	Yes
B 208.889	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Be 313.107	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	Y radial	No
Cd 228.802	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Cu 327.393	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Fe 238.204	Lin Thru 0	Peak Area	Radial	Y radial	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	Y radial	No
Mg 285.213	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y axial	No
Na 589.592	Lin Thru 0	Peak Area	Radial	Y radial	No
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Ti 337.279	Lin Thru 0	Peak Area	Radial	Y radial	Yes
Tl 351.924	Lin Thru 0	Peak Area	Axial	Y axial	Yes
V 290.880	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Y radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y axial	Yes
Zr 343.823	Lin Thru 0	Peak Area	Axial	Y axial	Yes

Sequence No.: 1 **Autosampler Location: 9**
Sample ID: SEQ-ICV@Pb@ 2201355 **Date Collected: 4/15/2022 10:19:54 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:15:30 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-ICV@Pb@ 2201355

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y radial	345841.9	100	%	1.80				1.80%
Y axial	3212291.8	99.6	%	1.12				1.12%
Ag 328.068†	10.4	0.0001	mg/L	0.00036	0.0001	mg/L	0.00036	296.72%
Al 396.153†	15.9	0.0023	mg/L	0.00123	0.0023	mg/L	0.00123	53.65%
As 188.979†	-1.8	-0.0014	mg/L	0.00197	-0.0014	mg/L	0.00197	138.92%
B 208.889†	64.6	0.0085	mg/L	0.00040	0.0085	mg/L	0.00040	4.68%
Ba 233.527†	-7.1	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	61.80%
Be 313.107†	34.6	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	76.00%
Ca 317.933†	70.3	0.0057	mg/L	0.00343	0.0057	mg/L	0.00343	60.56%
Cd 228.802†	0.6	0.0000	mg/L	0.00015	0.0000	mg/L	0.00015	366.90%
Co 228.616†	-10.6	-0.0004	mg/L	0.00017	-0.0004	mg/L	0.00017	45.12%
Cr 267.716†	-6.5	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	172.58%
Cu 327.393†	-44.7	-0.0003	mg/L	0.00040	-0.0003	mg/L	0.00040	135.28%
Fe 238.204†	1.1	0.0014	mg/L	0.00246	0.0014	mg/L	0.00246	171.63%
K 766.490†	128.3	0.0612	mg/L	0.03755	0.0612	mg/L	0.03755	61.32%
Mg 285.213†	37.3	0.0018	mg/L	0.00034	0.0018	mg/L	0.00034	18.26%
Mn 257.610†	2.1	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	139.79%
Mo 202.031†	4.8	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	46.51%
Na 589.592†	72.9	0.0066	mg/L	0.00421	0.0066	mg/L	0.00421	63.96%
Ni 231.604†	-11.2	-0.0005	mg/L	0.00042	-0.0005	mg/L	0.00042	90.99%
Pb 220.353†	3583.0	1.085	mg/L	0.0207	1.085	mg/L	0.0207	1.91%
QC value within limits for Pb 220.353 Recovery = 108.51%								
Sb 206.836†	-8.3	-0.0037	mg/L	0.00075	-0.0037	mg/L	0.00075	20.21%
Se 196.026†	-3.7	-0.0026	mg/L	0.00339	-0.0026	mg/L	0.00339	128.92%

Sn 189.927†	8.2	0.0016 mg/L	0.00083	0.0016 mg/L	0.00083	51.51%
Ti 337.279†	-12.2	-0.0003 mg/L	0.00061	-0.0003 mg/L	0.00061	212.71%
Tl 351.924†	0.8	0.0002 mg/L	0.00672	0.0002 mg/L	0.00672	>999.9%
V 290.880†	75.5	0.0010 mg/L	0.00040	0.0010 mg/L	0.00040	39.39%
Zn 206.200†	-1.3	-0.0001 mg/L	0.00033	-0.0001 mg/L	0.00033	586.54%
Zr 343.823†	24.3	0.0001 mg/L	0.00030	0.0001 mg/L	0.00030	313.22%

All analyte(s) passed QC.

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: SEQ-ICB@ 2111294 **Date Collected: 4/15/2022 10:34:17 AM**
Analyst: **Data Type: Reprocessed on 4/15/2022 11:15:38 AM**
Logged In Analyst (Original) : ICP3
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-ICB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	341908.9	99.1	%	0.35				0.36%
Y axial	3220829.6	99.9	%	1.30				1.30%
Ag 328.068†	21.0	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	70.31%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	21.5	0.0031	mg/L	0.00304	0.0031	mg/L	0.00304	97.59%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	2.6	0.0020	mg/L	0.00147	0.0020	mg/L	0.00147	71.64%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	36.3	0.0048	mg/L	0.00132	0.0048	mg/L	0.00132	27.67%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-10.5	-0.0002	mg/L	0.00009	-0.0002	mg/L	0.00009	46.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	45.8	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	21.79%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	14.7	0.0012	mg/L	0.00193	0.0012	mg/L	0.00193	163.20%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	2.1	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	149.01%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-14.7	-0.0005	mg/L	0.00011	-0.0005	mg/L	0.00011	21.17%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	12.7	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	6.96%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-71.7	-0.0005	mg/L	0.00015	-0.0005	mg/L	0.00015	31.81%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	0.4	0.0006	mg/L	0.00136	0.0006	mg/L	0.00136	243.69%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	14.9	0.0071	mg/L	0.03846	0.0071	mg/L	0.03846	540.55%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	9.4	0.0005	mg/L	0.00032	0.0005	mg/L	0.00032	69.47%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-10.3	-0.0004	mg/L	0.00014	-0.0004	mg/L	0.00014	33.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.0	0.0001	mg/L	0.00034	0.0001	mg/L	0.00034	274.70%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-45.1	-0.0041	mg/L	0.00264	-0.0041	mg/L	0.00264	64.93%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-9.7	-0.0004	mg/L	0.00022	-0.0004	mg/L	0.00022	53.67%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	0.8	0.0003	mg/L	0.00114	0.0003	mg/L	0.00114	445.41%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	2.1	0.0009	mg/L	0.00159	0.0009	mg/L	0.00159	168.08%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.7	0.0019	mg/L	0.00355	0.0019	mg/L	0.00355	186.12%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	3.4	0.0007	mg/L	0.00083	0.0007	mg/L	0.00083	124.71%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	-0.6	-0.0000	mg/L	0.00151	-0.0000	mg/L	0.00151	>999.9%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	4.8	0.0013	mg/L	0.00139	0.0013	mg/L	0.00139	103.82%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	48.0	0.0007	mg/L	0.00008	0.0007	mg/L	0.00008	12.71%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	4.0	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	99.98%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	29.2	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	38.16%

All analyte(s) passed QC.

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Analysis Begun

Start Time: 4/15/2022 11:22:02 AM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/15/2022 11:22:04 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 4/15/2022 11:56:08 AM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 4 **Autosampler Location: 10**
Sample ID: SEQ-LCV@ 2202321 **Date Collected: 4/15/2022 11:56:08 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: SEQ-LCV@ 2202321

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	340594.5	98.7	%	1.82				1.84%
Y axial	3185935.1	98.8	%	1.35				1.37%
Ag 328.068†	962.9	0.0110	mg/L	0.00047	0.0110	mg/L	0.00047	4.27%
QC value within limits for Ag 328.068 Recovery = 109.51%								
Al 396.153†	448.3	0.0625	mg/L	0.00519	0.0625	mg/L	0.00519	8.30%
QC value greater than the upper limit for Al 396.153 Recovery = 125.07%								
As 188.979†	11.3	0.0089	mg/L	0.00547	0.0089	mg/L	0.00547	61.34%
QC value within limits for As 188.979 Recovery = 89.10%								
B 208.889†	766.1	0.0980	mg/L	0.00101	0.0980	mg/L	0.00101	1.03%
QC value within limits for B 208.889 Recovery = 97.98%								
Ba 233.527†	3109.1	0.0542	mg/L	0.00076	0.0542	mg/L	0.00076	1.40%
QC value within limits for Ba 233.527 Recovery = 108.32%								
Be 313.107†	1575.2	0.0045	mg/L	0.00009	0.0045	mg/L	0.00009	1.98%
QC value within limits for Be 313.107 Recovery = 111.79%								
Ca 317.933†	6810.9	0.5489	mg/L	0.00793	0.5489	mg/L	0.00793	1.44%
QC value within limits for Ca 317.933 Recovery = 109.78%								
Cd 228.802†	109.3	0.0042	mg/L	0.00013	0.0042	mg/L	0.00013	3.14%
QC value within limits for Cd 228.802 Recovery = 105.54%								
Co 228.616†	286.4	0.0102	mg/L	0.00019	0.0102	mg/L	0.00019	1.82%
QC value within limits for Co 228.616 Recovery = 102.28%								
Cr 267.716†	603.0	0.0110	mg/L	0.00031	0.0110	mg/L	0.00031	2.80%
QC value within limits for Cr 267.716 Recovery = 109.73%								

Cu 327.393†	1507.2	0.0101 mg/L	0.00024	0.0101 mg/L	0.00024	2.40%
QC value within limits for Cu 327.393 Recovery = 101.01%						
Fe 238.204†	43.2	0.0561 mg/L	0.00179	0.0561 mg/L	0.00179	3.19%
QC value within limits for Fe 238.204 Recovery = 112.12%						
K 766.490†	4382.9	2.092 mg/L	0.0338	2.092 mg/L	0.0338	1.62%
QC value within limits for K 766.490 Recovery = 104.62%						
Mg 285.213†	1112.8	0.0549 mg/L	0.00141	0.0549 mg/L	0.00141	2.57%
QC value within limits for Mg 285.213 Recovery = 109.77%						
Mn 257.610†	256.8	0.0107 mg/L	0.00017	0.0107 mg/L	0.00017	1.59%
QC value within limits for Mn 257.610 Recovery = 107.17%						
Mo 202.031†	894.3	0.0541 mg/L	0.00071	0.0541 mg/L	0.00071	1.31%
QC value within limits for Mo 202.031 Recovery = 108.17%						
Na 589.592†	24062.3	2.171 mg/L	0.0544	2.171 mg/L	0.0544	2.51%
QC value within limits for Na 589.592 Recovery = 108.53%						
Ni 231.604†	244.7	0.0101 mg/L	0.00048	0.0101 mg/L	0.00048	4.70%
QC value within limits for Ni 231.604 Recovery = 101.18%						
Pb 220.353†	32.5	0.0099 mg/L	0.00011	0.0099 mg/L	0.00011	1.12%
QC value within limits for Pb 220.353 Recovery = 99.40%						
Sb 206.836†	96.3	0.0438 mg/L	0.00230	0.0438 mg/L	0.00230	5.26%
QC value within limits for Sb 206.836 Recovery = 87.58%						
Se 196.026†	75.7	0.0539 mg/L	0.00210	0.0539 mg/L	0.00210	3.90%
QC value within limits for Se 196.026 Recovery = 107.75%						
Sn 189.927†	548.6	0.1081 mg/L	0.00075	0.1081 mg/L	0.00075	0.69%
QC value within limits for Sn 189.927 Recovery = 108.12%						
Ti 337.279†	922.3	0.0217 mg/L	0.00127	0.0217 mg/L	0.00127	5.86%
QC value within limits for Ti 337.279 Recovery = 108.68%						
Tl 351.924†	156.5	0.0439 mg/L	0.00690	0.0439 mg/L	0.00690	15.70%
QC value within limits for Tl 351.924 Recovery = 87.84%						
V 290.880†	823.8	0.0115 mg/L	0.00036	0.0115 mg/L	0.00036	3.14%
QC value within limits for V 290.880 Recovery = 114.51%						
Zn 206.200†	259.9	0.0112 mg/L	0.00013	0.0112 mg/L	0.00013	1.15%
QC value within limits for Zn 206.200 Recovery = 111.73%						
Zr 343.823†	131.8	0.0005 mg/L	0.00007	0.0005 mg/L	0.00007	13.30%

QC Failed. Continue with analysis.

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Analysis Begun

Start Time: 4/15/2022 12:24:16 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 5 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/15/2022 12:24:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	335281.5	97.2	%	1.39				1.43%
Y axial	3061669.2	95.0	%	0.76				0.80%
Ag 328.068†	229030.9	2.586	mg/L	0.0279	2.586	mg/L	0.0279	1.08%
QC value within limits for Ag 328.068 Recovery = 103.46%								
Al 396.153†	74924.4	10.58	mg/L	0.023	10.58	mg/L	0.023	0.22%
QC value within limits for Al 396.153 Recovery = 105.82%								
As 188.979†	6531.7	5.160	mg/L	0.0656	5.160	mg/L	0.0656	1.27%
QC value within limits for As 188.979 Recovery = 103.19%								
B 208.889†	38994.7	4.871	mg/L	0.0352	4.871	mg/L	0.0352	0.72%
QC value within limits for B 208.889 Recovery = 97.41%								
Ba 233.527†	296894.4	5.175	mg/L	0.0071	5.175	mg/L	0.0071	0.14%
QC value within limits for Ba 233.527 Recovery = 103.50%								

Be 313.107†	1670021.6	4.785 mg/L	0.0204	4.785 mg/L	0.0204	0.43%
QC value within limits for Be 313.107 Recovery = 95.71%						
Ca 317.933†	131456.6	10.59 mg/L	0.013	10.59 mg/L	0.013	0.12%
QC value within limits for Ca 317.933 Recovery = 105.95%						
Cd 228.802†	132567.4	5.162 mg/L	0.0184	5.162 mg/L	0.0184	0.36%
QC value within limits for Cd 228.802 Recovery = 103.24%						
Co 228.616†	142844.4	5.110 mg/L	0.0103	5.110 mg/L	0.0103	0.20%
QC value within limits for Co 228.616 Recovery = 102.19%						
Cr 267.716†	280207.8	5.096 mg/L	0.0054	5.096 mg/L	0.0054	0.11%
QC value within limits for Cr 267.716 Recovery = 101.92%						
Cu 327.393†	775087.1	5.197 mg/L	0.0121	5.197 mg/L	0.0121	0.23%
QC value within limits for Cu 327.393 Recovery = 103.94%						
Fe 238.204†	4216.1	5.482 mg/L	0.1423	5.482 mg/L	0.1423	2.60%
QC value within limits for Fe 238.204 Recovery = 109.63%						
K 766.490†	22263.8	10.63 mg/L	0.324	10.63 mg/L	0.324	3.05%
QC value within limits for K 766.490 Recovery = 106.29%						
Mg 285.213†	213080.1	10.41 mg/L	0.014	10.41 mg/L	0.014	0.14%
QC value within limits for Mg 285.213 Recovery = 104.09%						
Mn 257.610†	127396.1	5.295 mg/L	0.0024	5.295 mg/L	0.0024	0.05%
QC value within limits for Mn 257.610 Recovery = 105.91%						
Mo 202.031†	84123.2	5.088 mg/L	0.0066	5.088 mg/L	0.0066	0.13%
QC value within limits for Mo 202.031 Recovery = 101.75%						
Na 589.592†	117127.0	10.57 mg/L	0.014	10.57 mg/L	0.014	0.13%
QC value within limits for Na 589.592 Recovery = 105.66%						
Ni 231.604†	124209.3	5.137 mg/L	0.0140	5.137 mg/L	0.0140	0.27%
QC value within limits for Ni 231.604 Recovery = 102.75%						
Pb 220.353†	16898.6	5.126 mg/L	0.0462	5.126 mg/L	0.0462	0.90%
QC value within limits for Pb 220.353 Recovery = 102.52%						
Sb 206.836†	11260.4	5.046 mg/L	0.0728	5.046 mg/L	0.0728	1.44%
QC value within limits for Sb 206.836 Recovery = 100.92%						
Se 196.026†	6845.8	4.878 mg/L	0.0612	4.878 mg/L	0.0612	1.26%
QC value within limits for Se 196.026 Recovery = 97.55%						
Sn 189.927†	26192.7	5.179 mg/L	0.0393	5.179 mg/L	0.0393	0.76%
QC value within limits for Sn 189.927 Recovery = 103.58%						
Ti 337.279†	216919.9	5.107 mg/L	0.0025	5.107 mg/L	0.0025	0.05%
QC value within limits for Ti 337.279 Recovery = 102.14%						
Tl 351.924†	8462.7	2.346 mg/L	0.0240	2.346 mg/L	0.0240	1.02%
QC value within limits for Tl 351.924 Recovery = 93.85%						
V 290.880†	375353.9	5.122 mg/L	0.0015	5.122 mg/L	0.0015	0.03%
QC value within limits for V 290.880 Recovery = 102.44%						
Zn 206.200†	121210.1	5.215 mg/L	0.0098	5.215 mg/L	0.0098	0.19%
QC value within limits for Zn 206.200 Recovery = 104.31%						
Zr 343.823†	1345793.0	5.276 mg/L	0.0051	5.276 mg/L	0.0051	0.10%

All analyte(s) passed QC.

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Sequence No.: 6 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/15/2022 12:30:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	324740.5	94.1	%	0.78				0.83%
Y axial	2816818.4	87.4	%	0.16				0.18%
Ag 328.068†	242.3	0.0028	mg/L	0.00066	0.0028	mg/L	0.00066	23.99%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1836687.9	266.9	mg/L	3.25	266.9	mg/L	3.25	1.22%
QC value within limits for Al 396.153 Recovery = 106.75%								
As 188.979†	-56.4	-0.0009	mg/L	0.00684	-0.0009	mg/L	0.00684	782.33%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	123.2	0.0171	mg/L	0.00145	0.0171	mg/L	0.00145	8.48%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	154.0	0.0027	mg/L	0.00007	0.0027	mg/L	0.00007	2.47%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	206.8	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	5.40%

QC value within limits for Be 313.107 Recovery = Not calculated
Ca 317.933† 3129666.5 252.2 mg/L 3.32 252.2 mg/L 3.32 1.32%
QC value within limits for Ca 317.933 Recovery = 100.89%
Cd 228.802† 3.3 0.0021 mg/L 0.00023 0.0021 mg/L 0.00023 10.94%
QC value within limits for Cd 228.802 Recovery = Not calculated
Co 228.616† -6.1 -0.0002 mg/L 0.00010 -0.0002 mg/L 0.00010 47.54%
QC value within limits for Co 228.616 Recovery = Not calculated
Cr 267.716† -152.3 0.0030 mg/L 0.00028 0.0030 mg/L 0.00028 9.54%
QC value within limits for Cr 267.716 Recovery = Not calculated
Cu 327.393† -778.5 -0.0052 mg/L 0.00012 -0.0052 mg/L 0.00012 2.25%
QC value within limits for Cu 327.393 Recovery = Not calculated
Fe 238.204† 76842.3 99.70 mg/L 0.087 99.70 mg/L 0.087 0.09%
QC value within limits for Fe 238.204 Recovery = 99.70%
K 766.490† -40.0 -0.0191 mg/L 0.00419 -0.0191 mg/L 0.00419 21.96%
QC value within limits for K 766.490 Recovery = Not calculated
Mg 285.213† 4777605.5 235.6 mg/L 2.92 235.6 mg/L 2.92 1.24%
QC value within limits for Mg 285.213 Recovery = 94.23%
Mn 257.610† -190.1 -0.0025 mg/L 0.00025 -0.0025 mg/L 0.00025 10.05%
QC value within limits for Mn 257.610 Recovery = Not calculated
Mo 202.031† -293.6 -0.0178 mg/L 0.00070 -0.0178 mg/L 0.00070 3.92%
QC value within limits for Mo 202.031 Recovery = Not calculated
Na 589.592† 751.1 0.0678 mg/L 0.00335 0.0678 mg/L 0.00335 4.94%
QC value within limits for Na 589.592 Recovery = Not calculated
Ni 231.604† -26.6 -0.0011 mg/L 0.00080 -0.0011 mg/L 0.00080 74.94%
QC value within limits for Ni 231.604 Recovery = Not calculated
Pb 220.353† -65.1 0.0108 mg/L 0.00061 0.0108 mg/L 0.00061 5.63%
QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† 49.7 0.0229 mg/L 0.00694 0.0229 mg/L 0.00694 30.28%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -122.0 -0.0031 mg/L 0.00853 -0.0031 mg/L 0.00853 274.54%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† 1362.4 0.1741 mg/L 0.00220 0.1741 mg/L 0.00220 1.26%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† 36.1 0.0008 mg/L 0.00003 0.0008 mg/L 0.00003 3.01%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† -191.9 0.0012 mg/L 0.00056 0.0012 mg/L 0.00056 44.73%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† 610.6 -0.0036 mg/L 0.00039 -0.0036 mg/L 0.00039 10.74%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† 15.8 0.0178 mg/L 0.00049 0.0178 mg/L 0.00049 2.73%
QC value within limits for Zn 206.200 Recovery = Not calculated
Zr 343.823† 1010.6 0.0010 mg/L 0.00006 0.0010 mg/L 0.00006 5.74%
All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 12**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/15/2022 12:36:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	323953.9	93.9	%	0.83				0.88%
Y axial	2808557.5	87.1	%	0.46				0.53%
Ag 328.068†	90769.2	1.030	mg/L	0.0113	1.030	mg/L	0.0113	1.10%
QC value within limits for Ag 328.068 Recovery = 103.05%								
Al 396.153†	1822763.5	264.8	mg/L	0.04	264.8	mg/L	0.04	0.02%
QC value within limits for Al 396.153 Recovery = 105.94%								
As 188.979†	-50.2	0.0050	mg/L	0.00792	0.0050	mg/L	0.00792	157.35%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	113.3	0.0158	mg/L	0.00200	0.0158	mg/L	0.00200	12.64%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	28612.0	0.4987	mg/L	0.00284	0.4987	mg/L	0.00284	0.57%
QC value within limits for Ba 233.527 Recovery = 99.74%								
Be 313.107†	171394.2	0.4907	mg/L	0.00025	0.4907	mg/L	0.00025	0.05%
QC value within limits for Be 313.107 Recovery = 98.15%								

Ca 317.933†	3106135.7	250.3 mg/L	0.41	250.3 mg/L	0.41	0.17%
QC value within limits for Ca 317.933 Recovery = 100.14%						
Cd 228.802†	26493.3	1.044 mg/L	0.0055	1.044 mg/L	0.0055	0.53%
QC value within limits for Cd 228.802 Recovery = 104.44%						
Co 228.616†	12689.9	0.4547 mg/L	0.00094	0.4547 mg/L	0.00094	0.21%
QC value within limits for Co 228.616 Recovery = 90.94%						
Cr 267.716†	26351.2	0.4850 mg/L	0.00431	0.4850 mg/L	0.00431	0.89%
QC value within limits for Cr 267.716 Recovery = 96.99%						
Cu 327.393†	79723.2	0.5310 mg/L	0.00241	0.5310 mg/L	0.00241	0.45%
QC value within limits for Cu 327.393 Recovery = 106.21%						
Fe 238.204†	75326.8	97.73 mg/L	1.899	97.73 mg/L	1.899	1.94%
QC value within limits for Fe 238.204 Recovery = 97.73%						
K 766.490†	47.5	0.0227 mg/L	0.06536	0.0227 mg/L	0.06536	288.36%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 285.213†	4752913.0	234.4 mg/L	0.12	234.4 mg/L	0.12	0.05%
QC value within limits for Mg 285.213 Recovery = 93.74%						
Mn 257.610†	11881.4	0.4987 mg/L	0.01017	0.4987 mg/L	0.01017	2.04%
QC value within limits for Mn 257.610 Recovery = 99.74%						
Mo 202.031†	-309.3	-0.0187 mg/L	0.00020	-0.0187 mg/L	0.00020	1.06%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	838.9	0.0757 mg/L	0.00810	0.0757 mg/L	0.00810	10.70%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	21772.6	0.9007 mg/L	0.00764	0.9007 mg/L	0.00764	0.85%
QC value within limits for Ni 231.604 Recovery = 90.07%						
Pb 220.353†	3092.2	0.9664 mg/L	0.00225	0.9664 mg/L	0.00225	0.23%
QC value within limits for Pb 220.353 Recovery = 96.64%						
Sb 206.836†	57.3	0.0203 mg/L	0.00342	0.0203 mg/L	0.00342	16.87%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-115.9	0.0004 mg/L	0.00274	0.0004 mg/L	0.00274	677.29%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	1364.4	0.1749 mg/L	0.00169	0.1749 mg/L	0.00169	0.96%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	44.6	0.0010 mg/L	0.00076	0.0010 mg/L	0.00076	73.27%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-195.4	-0.0029 mg/L	0.00295	-0.0029 mg/L	0.00295	102.09%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	37016.5	0.4909 mg/L	0.00384	0.4909 mg/L	0.00384	0.78%
QC value within limits for V 290.880 Recovery = 98.18%						
Zn 206.200†	22230.6	0.9754 mg/L	0.00686	0.9754 mg/L	0.00686	0.70%
QC value within limits for Zn 206.200 Recovery = 97.54%						
Zr 343.823†	992.7	0.0010 mg/L	0.00006	0.0010 mg/L	0.00006	6.09%

All analyte(s) passed QC.

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Analysis Begun

Start Time: 4/15/2022 12:54:38 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 9 **Autosampler Location: 37**
Sample ID: SEQ-HCV1@100 **Date Collected: 4/15/2022 12:54:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-HCV1@100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	331336.1	96.0	%	0.68				0.70%
Y axial	2936903.9	91.1	%	0.91				1.00%
Ag 328.068†	-36173.9	-0.0380	mg/L	0.00192	-0.0380	mg/L	0.00192	5.04%
Al 396.153†	726490.8	105.6	mg/L	0.47	105.6	mg/L	0.47	0.45%
QC value within limits for Al 396.153 Recovery = 105.57%								
As 188.979†	120121.6	94.87	mg/L	0.065	94.87	mg/L	0.065	0.07%
QC value within limits for As 188.979 Recovery = 94.87%								
B 208.889†	-159.3	-0.0183	mg/L	0.00105	-0.0183	mg/L	0.00105	5.77%
Ba 233.527†	4898969.2	85.40	mg/L	0.932	85.40	mg/L	0.932	1.09%
QC value less than the lower limit for Ba 233.527 Recovery = 85.40%								
Be 313.107†	28538138.4	81.63	mg/L	0.362	81.63	mg/L	0.362	0.44%
QC value less than the lower limit for Be 313.107 Recovery = 81.63%								
Ca 317.933†	1155.6	0.0931	mg/L	0.00927	0.0931	mg/L	0.00927	9.96%
Cd 228.802†	1910211.0	74.21	mg/L	0.434	74.21	mg/L	0.434	0.59%
QC value less than the lower limit for Cd 228.802 Recovery = 74.21%								
Co 228.616†	2577815.8	92.38	mg/L	0.240	92.38	mg/L	0.240	0.26%
QC value within limits for Co 228.616 Recovery = 92.38%								
Cr 267.716†	5083221.7	92.47	mg/L	1.107	92.47	mg/L	1.107	1.20%
QC value within limits for Cr 267.716 Recovery = 92.47%								
Cu 327.393†	15643048.2	104.2	mg/L	1.01	104.2	mg/L	1.01	0.97%
QC value within limits for Cu 327.393 Recovery = 104.20%								
Fe 238.204†	77352.7	100.6	mg/L	0.86	100.6	mg/L	0.86	0.85%
QC value within limits for Fe 238.204 Recovery = 100.61%								
K 766.490†	-139.1	-0.0664	mg/L	0.01912	-0.0664	mg/L	0.01912	28.79%
Mg 285.213†	-2218.8	0.0357	mg/L	0.00069	0.0357	mg/L	0.00069	1.94%
Mn 257.610†	2373521.2	98.57	mg/L	0.260	98.57	mg/L	0.260	0.26%
QC value within limits for Mn 257.610 Recovery = 98.57%								
Mo 202.031†	-885.0	-0.0535	mg/L	0.00099	-0.0535	mg/L	0.00099	1.86%
Na 589.592†	356.9	0.0322	mg/L	0.00332	0.0322	mg/L	0.00332	10.32%
Ni 231.604†	2262864.0	93.51	mg/L	0.127	93.51	mg/L	0.127	0.14%
QC value within limits for Ni 231.604 Recovery = 93.51%								
Pb 220.353†	311519.3	94.23	mg/L	0.179	94.23	mg/L	0.179	0.19%

QC value within limits for Pb 220.353 Recovery = 94.23%

Sb 206.836†	2505.6	-0.2025 mg/L	0.01447	-0.2025 mg/L	0.01447	7.15%
Se 196.026†	137212.5	97.74 mg/L	0.013	97.74 mg/L	0.013	0.01%

QC value within limits for Se 196.026 Recovery = 97.74%

Sn 189.927†	-126.3	-0.0248 mg/L	0.00425	-0.0248 mg/L	0.00425	17.13%
Ti 337.279†	-144.6	-0.0034 mg/L	0.00049	-0.0034 mg/L	0.00049	14.24%
Tl 351.924†	344229.9	96.54 mg/L	0.147	96.54 mg/L	0.147	0.15%

QC value within limits for Tl 351.924 Recovery = 96.54%

V 290.880†	7129623.1	96.81 mg/L	1.050	96.81 mg/L	1.050	1.08%

QC value within limits for V 290.880 Recovery = 96.81%

Zn 206.200†	2098852.7	90.32 mg/L	0.230	90.32 mg/L	0.230	0.25%

QC value within limits for Zn 206.200 Recovery = 90.32%

Zr 343.823†	-526.1	-0.0050 mg/L	0.00022	-0.0050 mg/L	0.00022	4.38%

QC Failed. Continue with analysis.

==========

Sequence No.: 10
Sample ID: SEQ-HCV2@500/100
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 220

Autosampler Location: 36
Date Collected: 4/15/2022 1:01:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-HCV2@500/100

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	309265.3	89.6	%	0.70				0.79%
Y axial	2570337.0	79.7	%	0.82				1.03%
Ag 328.068†	233.7	0.0027	mg/L	0.00035	0.0027	mg/L	0.00035	12.75%
Al 396.153†	3633747.6	528.0	mg/L	6.69	528.0	mg/L	6.69	1.27%

QC value within limits for Al 396.153 Recovery = 105.59%

As 188.979†	-134.9	0.0563	mg/L	0.00776	0.0563	mg/L	0.00776	13.79%
B 208.889†	691167.3	90.82	mg/L	0.246	90.82	mg/L	0.246	0.27%
Ba 233.527†	776.5	0.0136	mg/L	0.00047	0.0136	mg/L	0.00047	3.44%
Be 313.107†	1866.4	0.0052	mg/L	0.00027	0.0052	mg/L	0.00027	5.21%
Ca 317.933†	5968860.9	481.1	mg/L	6.77	481.1	mg/L	6.77	1.41%

QC value within limits for Ca 317.933 Recovery = 96.21%

Cd 228.802†	53.2	0.0101	mg/L	0.00025	0.0101	mg/L	0.00025	2.45%
Co 228.616†	428.3	0.0153	mg/L	0.00103	0.0153	mg/L	0.00103	6.74%
Cr 267.716†	-1063.3	0.0066	mg/L	0.00057	0.0066	mg/L	0.00057	8.62%
Cu 327.393†	-897.2	-0.0059	mg/L	0.00078	-0.0059	mg/L	0.00078	13.11%
Fe 238.204†	346899.6	450.2	mg/L	1.16	450.2	mg/L	1.16	0.26%

QC value within limits for Fe 238.204 Recovery = 90.05%

K 766.490†	445019.2	212.4	mg/L	0.56	212.4	mg/L	0.56	0.26%

QC value within limits for K 766.490 Recovery = 106.22%

Mg 285.213†	3820873.1	188.5	mg/L	0.38	188.5	mg/L	0.38	0.20%

QC value within limits for Mg 285.213 Recovery = 94.24%

Mn 257.610†	-1047.3	-0.0191	mg/L	0.00309	-0.0191	mg/L	0.00309	16.17%
Mo 202.031†	-954.6	-0.0577	mg/L	0.00049	-0.0577	mg/L	0.00049	0.85%
Na 589.592†	5498543.5	496.0	mg/L	6.77	496.0	mg/L	6.77	1.36%

QC value within limits for Na 589.592 Recovery = 99.20%

Ni 231.604†	429.5	0.0179	mg/L	0.00050	0.0179	mg/L	0.00050	2.78%
Pb 220.353†	-42.4	0.0205	mg/L	0.00103	0.0205	mg/L	0.00103	5.03%
Sb 206.836†	122.2	0.0563	mg/L	0.00833	0.0563	mg/L	0.00833	14.80%
Se 196.026†	-538.2	-0.0052	mg/L	0.00144	-0.0052	mg/L	0.00144	27.86%
Sn 189.927†	1351.7	0.1908	mg/L	0.00874	0.1908	mg/L	0.00874	4.58%
Ti 337.279†	50.8	0.0012	mg/L	0.00102	0.0012	mg/L	0.00102	87.47%
Tl 351.924†	-949.9	-0.0180	mg/L	0.00573	-0.0180	mg/L	0.00573	31.86%
V 290.880†	2973.6	0.0103	mg/L	0.00059	0.0103	mg/L	0.00059	5.75%
Zn 206.200†	1524.2	0.0941	mg/L	0.00438	0.0941	mg/L	0.00438	4.65%
Zr 343.823†	4341.3	0.0037	mg/L	0.00016	0.0037	mg/L	0.00016	4.20%

All analyte(s) passed QC.
User canceled analysis.

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Analysis Begun

Start Time: 4/15/2022 1:10:47 PM
Logged In Analyst: ICP3

Plasma On Time: 4/15/2022 6:01:25 AM
Technique: ICP Continuous

Wash Time (before sample): 220

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	335692.1	97.3	%	1.06				1.09%
Y axial	3091828.7	95.9	%	0.34				0.36%
Ag 328.068†	210508.1	2.376	mg/L	0.0137	2.376	mg/L	0.0137	0.58%
QC value within limits for Ag 328.068 Recovery = 95.05%								
Al 396.153†	75511.0	10.67	mg/L	0.010	10.67	mg/L	0.010	0.09%
QC value within limits for Al 396.153 Recovery = 106.70%								
As 188.979†	6357.0	5.022	mg/L	0.0852	5.022	mg/L	0.0852	1.70%
QC value within limits for As 188.979 Recovery = 100.45%								
B 208.889†	37774.3	4.714	mg/L	0.0681	4.714	mg/L	0.0681	1.44%
QC value within limits for B 208.889 Recovery = 94.27%								
Ba 233.527†	298482.0	5.202	mg/L	0.0136	5.202	mg/L	0.0136	0.26%
QC value within limits for Ba 233.527 Recovery = 104.05%								
Be 313.107†	1648769.9	4.724	mg/L	0.0074	4.724	mg/L	0.0074	0.16%
QC value within limits for Be 313.107 Recovery = 94.48%								
Ca 317.933†	132646.2	10.69	mg/L	0.022	10.69	mg/L	0.022	0.21%
QC value within limits for Ca 317.933 Recovery = 106.91%								
Cd 228.802†	133460.6	5.199	mg/L	0.0102	5.199	mg/L	0.0102	0.20%
QC value within limits for Cd 228.802 Recovery = 103.98%								
Co 228.616†	142479.2	5.097	mg/L	0.0165	5.097	mg/L	0.0165	0.32%
QC value within limits for Co 228.616 Recovery = 101.93%								
Cr 267.716†	281030.0	5.111	mg/L	0.0127	5.111	mg/L	0.0127	0.25%
QC value within limits for Cr 267.716 Recovery = 102.22%								
Cu 327.393†	771832.4	5.175	mg/L	0.0160	5.175	mg/L	0.0160	0.31%
QC value within limits for Cu 327.393 Recovery = 103.51%								
Fe 238.204†	4219.8	5.487	mg/L	0.0416	5.487	mg/L	0.0416	0.76%
QC value within limits for Fe 238.204 Recovery = 109.73%								
K 766.490†	21942.0	10.47	mg/L	0.090	10.47	mg/L	0.090	0.85%
QC value within limits for K 766.490 Recovery = 104.75%								
Mg 285.213†	213668.1	10.44	mg/L	0.012	10.44	mg/L	0.012	0.12%
QC value within limits for Mg 285.213 Recovery = 104.37%								
Mn 257.610†	129317.2	5.375	mg/L	0.0209	5.375	mg/L	0.0209	0.39%
QC value within limits for Mn 257.610 Recovery = 107.50%								
Mo 202.031†	83034.2	5.022	mg/L	0.0710	5.022	mg/L	0.0710	1.41%
QC value within limits for Mo 202.031 Recovery = 100.43%								
Na 589.592†	117508.2	10.60	mg/L	0.020	10.60	mg/L	0.020	0.19%
QC value within limits for Na 589.592 Recovery = 106.00%								
Ni 231.604†	124240.8	5.139	mg/L	0.0130	5.139	mg/L	0.0130	0.25%
QC value within limits for Ni 231.604 Recovery = 102.77%								
Pb 220.353†	16702.7	5.067	mg/L	0.0881	5.067	mg/L	0.0881	1.74%
QC value within limits for Pb 220.353 Recovery = 101.33%								
Sb 206.836†	11024.4	4.939	mg/L	0.0666	4.939	mg/L	0.0666	1.35%
QC value within limits for Sb 206.836 Recovery = 98.77%								
Se 196.026†	6587.7	4.694	mg/L	0.0490	4.694	mg/L	0.0490	1.04%
QC value within limits for Se 196.026 Recovery = 93.89%								
Sn 189.927†	26016.2	5.144	mg/L	0.0642	5.144	mg/L	0.0642	1.25%
QC value within limits for Sn 189.927 Recovery = 102.89%								
Ti 337.279†	217224.4	5.114	mg/L	0.0025	5.114	mg/L	0.0025	0.05%
QC value within limits for Ti 337.279 Recovery = 102.28%								
Tl 351.924†	8178.9	2.266	mg/L	0.0344	2.266	mg/L	0.0344	1.52%
QC value within limits for Tl 351.924 Recovery = 90.65%								
V 290.880†	375254.6	5.120	mg/L	0.0115	5.120	mg/L	0.0115	0.22%
QC value within limits for V 290.880 Recovery = 102.40%								
Zn 206.200†	122491.9	5.271	mg/L	0.0148	5.271	mg/L	0.0148	0.28%
QC value within limits for Zn 206.200 Recovery = 105.41%								
Zr 343.823†	1353592.5	5.307	mg/L	0.0059	5.307	mg/L	0.0059	0.11%

All analyte(s) passed QC.

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Sequence No.: 37
Sample ID: SEQ-CCB@ 2111294
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 220

Autosampler Location: 1
Date Collected: 4/15/2022 4:29:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	332504.6	96.4	%	1.27				1.32%
Y axial	3188012.2	98.9	%	1.43				1.44%
Ag 328.068†	467.7	0.0053	mg/L	0.00043	0.0053	mg/L	0.00043	8.03%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	43.1	0.0062	mg/L	0.00233	0.0062	mg/L	0.00233	37.51%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.1	-0.0001	mg/L	0.00345	-0.0001	mg/L	0.00345	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	94.6	0.0124	mg/L	0.00067	0.0124	mg/L	0.00067	5.45%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-11.4	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	32.93%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	180.9	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	3.28%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	127.4	0.0103	mg/L	0.00095	0.0103	mg/L	0.00095	9.30%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	4.3	0.0002	mg/L	0.00019	0.0002	mg/L	0.00019	113.31%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-24.7	-0.0009	mg/L	0.00021	-0.0009	mg/L	0.00021	24.26%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	28.7	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	12.36%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	10.7	0.0001	mg/L	0.00022	0.0001	mg/L	0.00022	286.38%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	4.4	0.0058	mg/L	0.00534	0.0058	mg/L	0.00534	92.51%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-47.1	-0.0225	mg/L	0.04504	-0.0225	mg/L	0.04504	200.25%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	65.0	0.0032	mg/L	0.00052	0.0032	mg/L	0.00052	16.20%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-0.7	-0.0000	mg/L	0.00021	-0.0000	mg/L	0.00021	779.47%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	20.9	0.0013	mg/L	0.00023	0.0013	mg/L	0.00023	18.35%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-52.0	-0.0047	mg/L	0.00564	-0.0047	mg/L	0.00564	120.40%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-19.0	-0.0008	mg/L	0.00031	-0.0008	mg/L	0.00031	39.76%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	21.4	0.0065	mg/L	0.00035	0.0065	mg/L	0.00035	5.45%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-2.4	-0.0011	mg/L	0.00175	-0.0011	mg/L	0.00175	159.04%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.1	0.0000	mg/L	0.00279	0.0000	mg/L	0.00279	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	2.5	0.0005	mg/L	0.00088	0.0005	mg/L	0.00088	181.90%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 337.279†	30.7	0.0007	mg/L	0.00009	0.0007	mg/L	0.00009	12.81%
QC value within limits for Ti 337.279 Recovery = Not calculated								
Tl 351.924†	-28.4	-0.0080	mg/L	0.00821	-0.0080	mg/L	0.00821	102.68%
QC value within limits for Tl 351.924 Recovery = Not calculated								
V 290.880†	44.5	0.0006	mg/L	0.00048	0.0006	mg/L	0.00048	77.87%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	37.1	0.0016	mg/L	0.00023	0.0016	mg/L	0.00023	14.37%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Zr 343.823†	88.9	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	10.39%

All analyte(s) passed QC.

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Sequence No.: 46 **Autosampler Location: 66**
Sample ID: B305691-BLK1 **Date Collected: 4/15/2022 5:32:40 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: B305691-BLK1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	345921.5	100	%	0.59				0.59%
Y axial	3230549.8	100	%	1.05				1.04%
Ag 328.068†	-9.5	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	138.55%
Al 396.153†	89.1	0.0129	mg/L	0.00036	0.0129	mg/L	0.00036	2.74%
As 188.979†	-1.2	-0.0009	mg/L	0.00149	-0.0009	mg/L	0.00149	163.48%
B 208.889†	30.5	0.0040	mg/L	0.00051	0.0040	mg/L	0.00051	12.74%
Ba 233.527†	-18.4	-0.0003	mg/L	0.00007	-0.0003	mg/L	0.00007	22.79%
Be 313.107†	54.0	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	11.91%
Ca 317.933†	332.2	0.0268	mg/L	0.00434	0.0268	mg/L	0.00434	16.23%
Cd 228.802†	-5.4	-0.0002	mg/L	0.00010	-0.0002	mg/L	0.00010	49.80%

Co 228.616†	-25.0	-0.0009 mg/L	0.00013	-0.0009 mg/L	0.00013	15.04%
Cr 267.716†	5.0	0.0001 mg/L	0.00028	0.0001 mg/L	0.00028	299.31%
Cu 327.393†	-61.5	-0.0004 mg/L	0.00031	-0.0004 mg/L	0.00031	74.75%
Fe 238.204†	4.9	0.0064 mg/L	0.00122	0.0064 mg/L	0.00122	19.28%
K 766.490†	-39.4	-0.0188 mg/L	0.00902	-0.0188 mg/L	0.00902	47.98%
Mg 285.213†	117.0	0.0058 mg/L	0.00017	0.0058 mg/L	0.00017	2.91%
Mn 257.610†	-2.6	-0.0001 mg/L	0.00010	-0.0001 mg/L	0.00010	98.46%
Mo 202.031†	-1.0	-0.0001 mg/L	0.00012	-0.0001 mg/L	0.00012	197.75%
Na 589.592†	2459.2	0.2218 mg/L	0.00582	0.2218 mg/L	0.00582	2.62%
Ni 231.604†	-31.9	-0.0013 mg/L	0.00050	-0.0013 mg/L	0.00050	37.91%
Pb 220.353†	2.8	0.0008 mg/L	0.00336	0.0008 mg/L	0.00336	401.17%
Sb 206.836†	-0.1	-0.0001 mg/L	0.00180	-0.0001 mg/L	0.00180	>999.9%
Se 196.026†	-0.4	-0.0003 mg/L	0.00140	-0.0003 mg/L	0.00140	499.33%
Sn 189.927†	1.9	0.0004 mg/L	0.00144	0.0004 mg/L	0.00144	387.36%
Ti 337.279†	25.1	0.0006 mg/L	0.00028	0.0006 mg/L	0.00028	47.54%
Tl 351.924†	-7.2	-0.0020 mg/L	0.00611	-0.0020 mg/L	0.00611	302.01%
V 290.880†	39.3	0.0005 mg/L	0.00032	0.0005 mg/L	0.00032	59.32%
Zn 206.200†	87.4	0.0038 mg/L	0.00026	0.0038 mg/L	0.00026	6.95%
Zr 343.823†	23.1	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	73.92%

Sequence No.: 47 **Autosampler Location: 67**
Sample ID: B305691-BS1 **Date Collected: 4/15/2022 5:38:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: B305691-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	338791.9	98.2	%	0.91				0.93%
Y axial	3213763.8	99.7	%	0.73				0.73%
Ag 328.068†	46715.1	0.5313	mg/L	0.00408	0.5313	mg/L	0.00408	0.77%
Al 396.153†	3738.7	0.5194	mg/L	0.00737	0.5194	mg/L	0.00737	1.42%
As 188.979†	596.7	0.4726	mg/L	0.00344	0.4726	mg/L	0.00344	0.73%
B 208.889†	7356.2	0.9418	mg/L	0.00462	0.9418	mg/L	0.00462	0.49%
Ba 233.527†	28875.8	0.5033	mg/L	0.00051	0.5033	mg/L	0.00051	0.10%
Be 313.107†	164126.6	0.4698	mg/L	0.00046	0.4698	mg/L	0.00046	0.10%
Ca 317.933†	51216.2	4.128	mg/L	0.0074	4.128	mg/L	0.0074	0.18%
Cd 228.802†	12923.9	0.5037	mg/L	0.00253	0.5037	mg/L	0.00253	0.50%
Co 228.616†	13954.4	0.4991	mg/L	0.00266	0.4991	mg/L	0.00266	0.53%
Cr 267.716†	27102.6	0.4932	mg/L	0.00145	0.4932	mg/L	0.00145	0.29%
Cu 327.393†	146760.6	0.9780	mg/L	0.00214	0.9780	mg/L	0.00214	0.22%
Fe 238.204†	3205.2	4.161	mg/L	0.0605	4.161	mg/L	0.0605	1.45%
K 766.490†	8393.1	4.007	mg/L	0.0711	4.007	mg/L	0.0711	1.78%
Mg 285.213†	80535.1	3.972	mg/L	0.0124	3.972	mg/L	0.0124	0.31%
Mn 257.610†	12614.4	0.5245	mg/L	0.00757	0.5245	mg/L	0.00757	1.44%
Mo 202.031†	8251.9	0.4991	mg/L	0.00237	0.4991	mg/L	0.00237	0.47%
Na 589.592†	46144.5	4.163	mg/L	0.0144	4.163	mg/L	0.0144	0.35%
Ni 231.604†	12311.8	0.5090	mg/L	0.00206	0.5090	mg/L	0.00206	0.41%
Pb 220.353†	1688.4	0.5112	mg/L	0.00565	0.5112	mg/L	0.00565	1.11%
Sb 206.836†	1082.5	0.4852	mg/L	0.00354	0.4852	mg/L	0.00354	0.73%
Se 196.026†	652.5	0.4680	mg/L	0.00731	0.4680	mg/L	0.00731	1.56%
Sn 189.927†	2661.1	0.5250	mg/L	0.00506	0.5250	mg/L	0.00506	0.96%
Ti 337.279†	21496.5	0.5064	mg/L	0.00697	0.5064	mg/L	0.00697	1.38%
Tl 351.924†	1611.4	0.4515	mg/L	0.00114	0.4515	mg/L	0.00114	0.25%
V 290.880†	36459.2	0.4972	mg/L	0.00016	0.4972	mg/L	0.00016	0.03%
Zn 206.200†	23767.8	1.024	mg/L	0.0039	1.024	mg/L	0.0039	0.38%
Zr 343.823†	110.3	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	5.46%

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Analysis Begun

Start Time: 4/15/2022 5:55:01 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 48 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/15/2022 5:55:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	334629.9	97.0	%	0.76				0.79%
Y axial	3095369.3	96.0	%	1.01				1.06%
Ag 328.068†	227030.2	2.564	mg/L	0.0391	2.564	mg/L	0.0391	1.52%
QC value within limits for Ag 328.068 Recovery = 102.55%								
Al 396.153†	72749.8	10.27	mg/L	0.017	10.27	mg/L	0.017	0.17%
QC value within limits for Al 396.153 Recovery = 102.70%								
As 188.979†	6413.8	5.067	mg/L	0.0348	5.067	mg/L	0.0348	0.69%
QC value within limits for As 188.979 Recovery = 101.33%								
B 208.889†	38499.2	4.809	mg/L	0.0428	4.809	mg/L	0.0428	0.89%
QC value within limits for B 208.889 Recovery = 96.18%								
Ba 233.527†	294655.5	5.136	mg/L	0.0063	5.136	mg/L	0.0063	0.12%
QC value within limits for Ba 233.527 Recovery = 102.72%								
Be 313.107†	1608583.3	4.609	mg/L	0.0071	4.609	mg/L	0.0071	0.15%
QC value within limits for Be 313.107 Recovery = 92.17%								
Ca 317.933†	128608.0	10.37	mg/L	0.036	10.37	mg/L	0.036	0.35%
QC value within limits for Ca 317.933 Recovery = 103.65%								
Cd 228.802†	131337.3	5.115	mg/L	0.0079	5.115	mg/L	0.0079	0.16%
QC value within limits for Cd 228.802 Recovery = 102.29%								
Co 228.616†	141068.3	5.046	mg/L	0.0050	5.046	mg/L	0.0050	0.10%
QC value within limits for Co 228.616 Recovery = 100.92%								
Cr 267.716†	277549.1	5.048	mg/L	0.0087	5.048	mg/L	0.0087	0.17%
QC value within limits for Cr 267.716 Recovery = 100.95%								
Cu 327.393†	761649.4	5.107	mg/L	0.0116	5.107	mg/L	0.0116	0.23%
QC value within limits for Cu 327.393 Recovery = 102.14%								
Fe 238.204†	3989.8	5.188	mg/L	0.1482	5.188	mg/L	0.1482	2.86%
QC value within limits for Fe 238.204 Recovery = 103.76%								
K 766.490†	21521.7	10.27	mg/L	0.277	10.27	mg/L	0.277	2.70%
QC value within limits for K 766.490 Recovery = 102.74%								
Mg 285.213†	206493.3	10.09	mg/L	0.018	10.09	mg/L	0.018	0.18%
QC value within limits for Mg 285.213 Recovery = 100.85%								
Mn 257.610†	126780.6	5.270	mg/L	0.0082	5.270	mg/L	0.0082	0.16%
QC value within limits for Mn 257.610 Recovery = 105.40%								
Mo 202.031†	82947.2	5.016	mg/L	0.0040	5.016	mg/L	0.0040	0.08%
QC value within limits for Mo 202.031 Recovery = 100.33%								
Na 589.592†	114821.3	10.36	mg/L	0.014	10.36	mg/L	0.014	0.13%
QC value within limits for Na 589.592 Recovery = 103.58%								
Ni 231.604†	123127.8	5.093	mg/L	0.0056	5.093	mg/L	0.0056	0.11%
QC value within limits for Ni 231.604 Recovery = 101.85%								
Pb 220.353†	16756.3	5.083	mg/L	0.0577	5.083	mg/L	0.0577	1.14%
QC value within limits for Pb 220.353 Recovery = 101.66%								

Sb 206.836†	11063.2	4.957 mg/L	0.0331	4.957 mg/L	0.0331	0.67%
QC value within limits for Sb 206.836 Recovery = 99.14%						
Se 196.026†	6629.3	4.724 mg/L	0.0372	4.724 mg/L	0.0372	0.79%
QC value within limits for Se 196.026 Recovery = 94.47%						
Sn 189.927†	25969.9	5.135 mg/L	0.0487	5.135 mg/L	0.0487	0.95%
QC value within limits for Sn 189.927 Recovery = 102.70%						
Ti 337.279†	214036.1	5.039 mg/L	0.0067	5.039 mg/L	0.0067	0.13%
QC value within limits for Ti 337.279 Recovery = 100.78%						
Tl 351.924†	8174.8	2.266 mg/L	0.0220	2.266 mg/L	0.0220	0.97%
QC value within limits for Tl 351.924 Recovery = 90.62%						
V 290.880†	369742.6	5.045 mg/L	0.0028	5.045 mg/L	0.0028	0.06%
QC value within limits for V 290.880 Recovery = 100.91%						
Zn 206.200†	121855.1	5.243 mg/L	0.0123	5.243 mg/L	0.0123	0.24%
QC value within limits for Zn 206.200 Recovery = 104.87%						
Zr 343.823†	1332476.7	5.224 mg/L	0.0096	5.224 mg/L	0.0096	0.18%

All analyte(s) passed QC.

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Sequence No.: 49 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/15/2022 6:00:57 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	331753.9	96.2	%	1.29				1.34%
Y axial	3145887.7	97.6	%	0.65				0.67%
Ag 328.068†	524.2	0.0059	mg/L	0.00036	0.0059	mg/L	0.00036	6.05%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	61.8	0.0089	mg/L	0.00261	0.0089	mg/L	0.00261	29.37%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.8	0.0006	mg/L	0.00330	0.0006	mg/L	0.00330	525.80%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	110.4	0.0144	mg/L	0.00139	0.0144	mg/L	0.00139	9.67%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	-15.0	-0.0003	mg/L	0.00012	-0.0003	mg/L	0.00012	45.16%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	176.3	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	11.72%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	102.3	0.0082	mg/L	0.00366	0.0082	mg/L	0.00366	44.43%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	22.1	0.0009	mg/L	0.00012	0.0009	mg/L	0.00012	13.83%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-29.0	-0.0010	mg/L	0.00022	-0.0010	mg/L	0.00022	21.59%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	23.8	0.0004	mg/L	0.00025	0.0004	mg/L	0.00025	57.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	8.8	0.0001	mg/L	0.00036	0.0001	mg/L	0.00036	568.68%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	1.6	0.0021	mg/L	0.00224	0.0021	mg/L	0.00224	107.65%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-86.4	-0.0413	mg/L	0.01796	-0.0413	mg/L	0.01796	43.52%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	32.3	0.0016	mg/L	0.00030	0.0016	mg/L	0.00030	19.11%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-2.1	-0.0001	mg/L	0.00021	-0.0001	mg/L	0.00021	252.98%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	29.6	0.0018	mg/L	0.00020	0.0018	mg/L	0.00020	11.21%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	295.6	0.0267	mg/L	0.00457	0.0267	mg/L	0.00457	17.15%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-22.1	-0.0009	mg/L	0.00038	-0.0009	mg/L	0.00038	41.90%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	8.0	0.0024	mg/L	0.00093	0.0024	mg/L	0.00093	37.98%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.5	0.0002	mg/L	0.00172	0.0002	mg/L	0.00172	768.26%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	11.0	0.0078 mg/L	0.00230	0.0078 mg/L	0.00230	29.44%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	3.0	0.0006 mg/L	0.00081	0.0006 mg/L	0.00081	136.93%

QC value within limits for Sn 189.927 Recovery = Not calculated

Ti 337.279†	27.7	0.0007 mg/L	0.00209	0.0007 mg/L	0.00209	320.47%

QC value within limits for Ti 337.279 Recovery = Not calculated

Tl 351.924†	23.9	0.0067 mg/L	0.00588	0.0067 mg/L	0.00588	87.44%

QC value within limits for Tl 351.924 Recovery = Not calculated

V 290.880†	33.7	0.0005 mg/L	0.00022	0.0005 mg/L	0.00022	46.38%

QC value within limits for V 290.880 Recovery = Not calculated

Zn 206.200†	29.3	0.0013 mg/L	0.00015	0.0013 mg/L	0.00015	11.64%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zr 343.823†	84.6	0.0003 mg/L	0.00006	0.0003 mg/L	0.00006	18.07%

All analyte(s) passed QC.

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Sequence No.: 50 **Autosampler Location: 68**
Sample ID: B305691-BSD1 **Date Collected: 4/15/2022 6:06:49 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: B305691-BSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	332319.9	96.3	%	1.50				1.55%
Y axial	3121181.4	96.8	%	0.71				0.74%
Ag 328.068†	47368.0	0.5387	mg/L	0.01016	0.5387	mg/L	0.01016	1.89%
Al 396.153†	3699.8	0.5135	mg/L	0.00890	0.5135	mg/L	0.00890	1.73%
As 188.979†	598.8	0.4742	mg/L	0.00697	0.4742	mg/L	0.00697	1.47%
B 208.889†	7493.7	0.9596	mg/L	0.01091	0.9596	mg/L	0.01091	1.14%
Ba 233.527†	29336.8	0.5113	mg/L	0.00169	0.5113	mg/L	0.00169	0.33%
Be 313.107†	164348.4	0.4704	mg/L	0.00130	0.4704	mg/L	0.00130	0.28%
Ca 317.933†	51000.0	4.110	mg/L	0.0124	4.110	mg/L	0.0124	0.30%
Cd 228.802†	13068.1	0.5094	mg/L	0.00575	0.5094	mg/L	0.00575	1.13%
Co 228.616†	13980.9	0.5001	mg/L	0.00214	0.5001	mg/L	0.00214	0.43%
Cr 267.716†	27432.3	0.4992	mg/L	0.00255	0.4992	mg/L	0.00255	0.51%
Cu 327.393†	148496.7	0.9895	mg/L	0.00184	0.9895	mg/L	0.00184	0.19%
Fe 238.204†	3155.3	4.096	mg/L	0.0456	4.096	mg/L	0.0456	1.11%
K 766.490†	8522.6	4.069	mg/L	0.0262	4.069	mg/L	0.0262	0.65%
Mg 285.213†	80161.4	3.954	mg/L	0.0050	3.954	mg/L	0.0050	0.13%
Mn 257.610†	12452.0	0.5178	mg/L	0.00570	0.5178	mg/L	0.00570	1.10%
Mo 202.031†	8327.6	0.5036	mg/L	0.00480	0.5036	mg/L	0.00480	0.95%
Na 589.592†	45128.1	4.071	mg/L	0.0085	4.071	mg/L	0.0085	0.21%
Ni 231.604†	12421.9	0.5136	mg/L	0.00577	0.5136	mg/L	0.00577	1.12%
Pb 220.353†	1705.9	0.5166	mg/L	0.00736	0.5166	mg/L	0.00736	1.43%
Sb 206.836†	1094.2	0.4904	mg/L	0.00483	0.4904	mg/L	0.00483	0.98%
Se 196.026†	655.9	0.4703	mg/L	0.00459	0.4703	mg/L	0.00459	0.98%
Sn 189.927†	2677.4	0.5281	mg/L	0.00698	0.5281	mg/L	0.00698	1.32%
Ti 337.279†	21338.9	0.5026	mg/L	0.00595	0.5026	mg/L	0.00595	1.18%
Tl 351.924†	1627.6	0.4560	mg/L	0.00275	0.4560	mg/L	0.00275	0.60%
V 290.880†	37015.3	0.5048	mg/L	0.00158	0.5048	mg/L	0.00158	0.31%
Zn 206.200†	23967.1	1.033	mg/L	0.0030	1.033	mg/L	0.0030	0.29%
Zr 343.823†	366.7	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	3.86%

User canceled analysis.

==========

Analysis Begun

Start Time: 4/15/2022 6:12:04 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/15/2022 6:12:06 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 4/15/2022 6:12:42 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 51 **Autosampler Location: 69**
Sample ID: B305691-MS1 **Date Collected: 4/15/2022 6:12:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: B305691-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	335211.6	97.2	%	1.07				1.11%
Y axial	3167672.1	98.3	%	1.34				1.36%
Ag 328.068†	46882.6	0.5332	mg/L	0.00794	0.5332	mg/L	0.00794	1.49%
Al 396.153†	3689.5	0.5121	mg/L	0.00792	0.5121	mg/L	0.00792	1.55%
As 188.979†	595.2	0.4714	mg/L	0.00667	0.4714	mg/L	0.00667	1.42%
B 208.889†	7445.0	0.9534	mg/L	0.01474	0.9534	mg/L	0.01474	1.55%
Ba 233.527†	29293.2	0.5106	mg/L	0.01411	0.5106	mg/L	0.01411	2.76%
Be 313.107†	165350.5	0.4733	mg/L	0.00175	0.4733	mg/L	0.00175	0.37%
Ca 317.933†	51134.8	4.121	mg/L	0.0162	4.121	mg/L	0.0162	0.39%
Cd 228.802†	12948.3	0.5047	mg/L	0.00761	0.5047	mg/L	0.00761	1.51%
Co 228.616†	14014.9	0.5013	mg/L	0.01461	0.5013	mg/L	0.01461	2.91%
Cr 267.716†	27459.2	0.4997	mg/L	0.01380	0.4997	mg/L	0.01380	2.76%
Cu 327.393†	148259.9	0.9880	mg/L	0.02512	0.9880	mg/L	0.02512	2.54%
Fe 238.204†	3136.7	4.072	mg/L	0.0776	4.072	mg/L	0.0776	1.91%
K 766.490†	8322.1	3.973	mg/L	0.0446	3.973	mg/L	0.0446	1.12%
Mg 285.213†	80542.0	3.973	mg/L	0.0031	3.973	mg/L	0.0031	0.08%
Mn 257.610†	12377.1	0.5147	mg/L	0.00821	0.5147	mg/L	0.00821	1.60%
Mo 202.031†	8281.8	0.5009	mg/L	0.00714	0.5009	mg/L	0.00714	1.43%
Na 589.592†	45557.3	4.110	mg/L	0.0019	4.110	mg/L	0.0019	0.05%
Ni 231.604†	12337.1	0.5101	mg/L	0.00768	0.5101	mg/L	0.00768	1.50%
Pb 220.353†	1688.0	0.5111	mg/L	0.00840	0.5111	mg/L	0.00840	1.64%
Sb 206.836†	1086.2	0.4868	mg/L	0.00383	0.4868	mg/L	0.00383	0.79%

Se 196.026†	643.2	0.4613 mg/L	0.00756	0.4613 mg/L	0.00756	1.64%
Sn 189.927†	2663.5	0.5254 mg/L	0.00769	0.5254 mg/L	0.00769	1.46%
Ti 337.279†	21252.1	0.5006 mg/L	0.00762	0.5006 mg/L	0.00762	1.52%
Tl 351.924†	1625.9	0.4555 mg/L	0.00474	0.4555 mg/L	0.00474	1.04%
V 290.880†	36951.9	0.5040 mg/L	0.01420	0.5040 mg/L	0.01420	2.82%
Zn 206.200†	23900.5	1.030 mg/L	0.0284	1.030 mg/L	0.0284	2.75%
Zr 343.823†	207.6	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	4.08%

User canceled analysis.

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Analysis Begun

Start Time: 4/15/2022 6:21:43 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 25**
Sample ID: SEQ-ICV@ 2111414 **Date Collected: 4/15/2022 6:21:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):
User canceled analysis.

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Analysis Begun

Start Time: 4/15/2022 6:22:14 PM **Plasma On Time: 4/15/2022 6:01:25 AM**
Logged In Analyst: ICP3 **Technique: ICP Continuous**
Spectrometer: Optima 8300 , S/N 078S1703073 **Autosampler: S10**

Sample Information File: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Sample Information\ 0415A22.sifx
Batch ID: OPTIMA 3
Results Data Set: 0415B22
Results Library: C:\Users\Public\PerkinElmer Syngistix\ICP\Data\Results\Results.mdb

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Sequence No.: 52 **Autosampler Location: 70**
Sample ID: B305691-DUP **Date Collected: 4/15/2022 6:22:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample):

Mean Data: B305691-DUP

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y radial	334570.4	97.0	%	0.71				0.73%
Y axial	3189952.1	98.9	%	1.48				1.49%
Ag 328.068†	32.7	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	52.89%
Al 396.153†	65.4	0.0095	mg/L	0.00603	0.0095	mg/L	0.00603	63.56%
As 188.979†	-1.6	-0.0013	mg/L	0.00294	-0.0013	mg/L	0.00294	230.27%
B 208.889†	119.4	0.0157	mg/L	0.00127	0.0157	mg/L	0.00127	8.13%
Ba 233.527†	-14.1	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004	18.28%
Be 313.107†	72.6	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	8.21%
Ca 317.933†	137.5	0.0111	mg/L	0.00366	0.0111	mg/L	0.00366	33.03%
Cd 228.802†	13.4	0.0005	mg/L	0.00021	0.0005	mg/L	0.00021	39.40%
Co 228.616†	-25.5	-0.0009	mg/L	0.00028	-0.0009	mg/L	0.00028	30.38%
Cr 267.716†	28.2	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	19.70%
Cu 327.393†	-11.2	-0.0001	mg/L	0.00046	-0.0001	mg/L	0.00046	623.14%
Fe 238.204†	7.8	0.0101	mg/L	0.00334	0.0101	mg/L	0.00334	33.08%
K 766.490†	-11.1	-0.0053	mg/L	0.03035	-0.0053	mg/L	0.03035	570.41%
Mg 285.213†	76.8	0.0038	mg/L	0.00060	0.0038	mg/L	0.00060	15.85%
Mn 257.610†	4.9	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	101.07%
Mo 202.031†	6.7	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	17.15%
Na 589.592†	476.6	0.0430	mg/L	0.00866	0.0430	mg/L	0.00866	20.15%
Ni 231.604†	-17.1	-0.0007	mg/L	0.00018	-0.0007	mg/L	0.00018	25.91%
Pb 220.353†	6.7	0.0020	mg/L	0.00195	0.0020	mg/L	0.00195	96.30%
Sb 206.836†	3.2	0.0014	mg/L	0.00103	0.0014	mg/L	0.00103	72.42%

Se 196.026†	-0.9	-0.0006 mg/L	0.00059	-0.0006 mg/L	0.00059	93.94%
Sn 189.927†	0.1	0.0000 mg/L	0.00037	0.0000 mg/L	0.00037	>999.9%
Ti 337.279†	27.0	0.0006 mg/L	0.00118	0.0006 mg/L	0.00118	186.05%
Tl 351.924†	27.5	0.0077 mg/L	0.00568	0.0077 mg/L	0.00568	73.43%
V 290.880†	19.0	0.0003 mg/L	0.00024	0.0003 mg/L	0.00024	91.24%
Zn 206.200†	65.0	0.0028 mg/L	0.00033	0.0028 mg/L	0.00033	11.75%
Zr 343.823†	15.2	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	136.70%

Sequence No.: 53
Sample ID: 22D0541-19
Analyst:
Initial Sample Wt:
Dilution:
Wash Time (before sample): 110

Autosampler Location: 71
Date Collected: 4/15/2022 6:28:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 22D0541-19

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	330928.3	95.9	%	1.10				1.15%
Y axial	3222849.2	100.0	%	0.58				0.58%
Ag 328.068†	34.6	0.0004	mg/L	0.00009	0.0004	mg/L	0.00009	23.46%
Al 396.153†	46.4	0.0067	mg/L	0.00469	0.0067	mg/L	0.00469	69.82%
As 188.979†	-0.4	-0.0003	mg/L	0.00039	-0.0003	mg/L	0.00039	128.24%
B 208.889†	96.3	0.0126	mg/L	0.00052	0.0126	mg/L	0.00052	4.10%
Ba 233.527†	-22.0	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	7.66%
Be 313.107†	63.8	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	13.66%
Ca 317.933†	98.2	0.0079	mg/L	0.00558	0.0079	mg/L	0.00558	70.52%
Cd 228.802†	5.9	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	39.47%
Co 228.616†	-19.9	-0.0007	mg/L	0.00025	-0.0007	mg/L	0.00025	35.22%
Cr 267.716†	26.4	0.0005	mg/L	0.00007	0.0005	mg/L	0.00007	15.42%
Cu 327.393†	3.5	0.0000	mg/L	0.00028	0.0000	mg/L	0.00028	>999.9%
Fe 238.204†	2.3	0.0030	mg/L	0.00522	0.0030	mg/L	0.00522	175.37%
K 766.490†	-8.0	-0.0038	mg/L	0.01945	-0.0038	mg/L	0.01945	509.21%
Mg 285.213†	69.1	0.0034	mg/L	0.00038	0.0034	mg/L	0.00038	11.08%
Mn 257.610†	-3.7	-0.0002	mg/L	0.00019	-0.0002	mg/L	0.00019	125.65%
Mo 202.031†	5.6	0.0003	mg/L	0.00020	0.0003	mg/L	0.00020	58.35%
Na 589.592†	483.2	0.0436	mg/L	0.00680	0.0436	mg/L	0.00680	15.61%
Ni 231.604†	-20.9	-0.0009	mg/L	0.00019	-0.0009	mg/L	0.00019	21.37%
Pb 220.353†	12.8	0.0039	mg/L	0.00061	0.0039	mg/L	0.00061	15.70%
Sb 206.836†	-3.0	-0.0013	mg/L	0.00149	-0.0013	mg/L	0.00149	111.05%
Se 196.026†	0.5	0.0004	mg/L	0.00244	0.0004	mg/L	0.00244	674.04%
Sn 189.927†	2.7	0.0005	mg/L	0.00109	0.0005	mg/L	0.00109	206.21%
Ti 337.279†	-41.6	-0.0010	mg/L	0.00041	-0.0010	mg/L	0.00041	42.09%
Tl 351.924†	27.8	0.0078	mg/L	0.00785	0.0078	mg/L	0.00785	100.22%
V 290.880†	8.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	87.83%
Zn 206.200†	37.0	0.0016	mg/L	0.00018	0.0016	mg/L	0.00018	11.17%
Zr 343.823†	10.4	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	300.55%

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Sequence No.: 60 **Autosampler Location: 11**
Sample ID: SEQ-IFA@ 2202319 **Date Collected: 4/15/2022 7:17:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-IFA@ 2202319

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y radial	311729.1	90.4	%	1.14				1.26%
Y axial	2813497.3	87.3	%	0.53				0.60%
Ag 328.068†	194.9	0.0022	mg/L	0.00015	0.0022	mg/L	0.00015	6.94%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1855128.0	269.5	mg/L	2.94	269.5	mg/L	2.94	1.09%
QC value within limits for Al 396.153 Recovery = 107.82%								
As 188.979†	-57.8	-0.0025	mg/L	0.00418	-0.0025	mg/L	0.00418	165.53%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	156.1	0.0215	mg/L	0.00242	0.0215	mg/L	0.00242	11.25%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	163.7	0.0029	mg/L	0.00018	0.0029	mg/L	0.00018	6.21%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	140.1	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	4.56%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	3209133.3	258.6	mg/L	2.76	258.6	mg/L	2.76	1.07%
QC value within limits for Ca 317.933 Recovery = 103.46%								
Cd 228.802†	-3.7	0.0018	mg/L	0.00003	0.0018	mg/L	0.00003	1.85%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-14.2	-0.0005	mg/L	0.00044	-0.0005	mg/L	0.00044	86.00%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-122.6	0.0034	mg/L	0.00020	0.0034	mg/L	0.00020	5.79%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-821.7	-0.0055	mg/L	0.00006	-0.0055	mg/L	0.00006	1.02%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	75152.6	97.50	mg/L	0.005	97.50	mg/L	0.005	0.00%
QC value within limits for Fe 238.204 Recovery = 97.50%								
K 766.490†	86.1	0.0411	mg/L	0.02081	0.0411	mg/L	0.02081	50.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4896547.5	241.4	mg/L	2.76	241.4	mg/L	2.76	1.14%
QC value within limits for Mg 285.213 Recovery = 96.58%								
Mn 257.610†	-220.5	-0.0039	mg/L	0.00006	-0.0039	mg/L	0.00006	1.59%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-324.8	-0.0196	mg/L	0.00136	-0.0196	mg/L	0.00136	6.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	4999.0	0.4510	mg/L	0.03689	0.4510	mg/L	0.03689	8.18%
QC value within limits for Na 589.592 Recovery = Not calculated								

Ni 231.604†	-32.4	-0.0013 mg/L	0.00027	-0.0013 mg/L	0.00027	20.68%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-67.5	0.0108 mg/L	0.00289	0.0108 mg/L	0.00289	26.77%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	51.2	0.0236 mg/L	0.00260	0.0236 mg/L	0.00260	11.04%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-108.4	0.0047 mg/L	0.00874	0.0047 mg/L	0.00874	187.03%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	1383.6	0.1759 mg/L	0.00466	0.1759 mg/L	0.00466	2.65%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 337.279†	11.6	0.0003 mg/L	0.00007	0.0003 mg/L	0.00007	26.43%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 351.924†	-190.4	0.0004 mg/L	0.00290	0.0004 mg/L	0.00290	671.65%
QC value within limits for Tl 351.924 Recovery = Not calculated						
V 290.880†	553.0	-0.0044 mg/L	0.00041	-0.0044 mg/L	0.00041	9.13%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	1.0	0.0174 mg/L	0.00026	0.0174 mg/L	0.00026	1.50%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Zr 343.823†	945.9	0.0008 mg/L	0.00004	0.0008 mg/L	0.00004	5.30%

All analyte(s) passed QC.

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Sequence No.: 61 **Autosampler Location: 12**
Sample ID: SEQ-IFB@ 2202320 **Date Collected: 4/15/2022 7:23:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 110

Mean Data: SEQ-IFB@ 2202320

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	320265.8	92.8	%	0.41				0.44%
Y axial	2815843.1	87.3	%	0.70				0.80%
Ag 328.068†	80061.0	0.9092	mg/L	0.03091	0.9092	mg/L	0.03091	3.40%
QC value within limits for Ag 328.068 Recovery = 90.92%								
Al 396.153†	1795564.4	260.9	mg/L	0.28	260.9	mg/L	0.28	0.11%
QC value within limits for Al 396.153 Recovery = 104.36%								
As 188.979†	-55.9	-0.0009	mg/L	0.00618	-0.0009	mg/L	0.00618	699.21%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	154.0	0.0212	mg/L	0.00162	0.0212	mg/L	0.00162	7.64%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	29089.6	0.5070	mg/L	0.00716	0.5070	mg/L	0.00716	1.41%
QC value within limits for Ba 233.527 Recovery = 101.41%								
Be 313.107†	175186.8	0.5016	mg/L	0.00097	0.5016	mg/L	0.00097	0.19%
QC value within limits for Be 313.107 Recovery = 100.32%								
Ca 317.933†	3109776.0	250.6	mg/L	0.42	250.6	mg/L	0.42	0.17%
QC value within limits for Ca 317.933 Recovery = 100.25%								
Cd 228.802†	26742.8	1.054	mg/L	0.0188	1.054	mg/L	0.0188	1.79%
QC value within limits for Cd 228.802 Recovery = 105.42%								
Co 228.616†	12769.7	0.4576	mg/L	0.00353	0.4576	mg/L	0.00353	0.77%
QC value within limits for Co 228.616 Recovery = 91.51%								
Cr 267.716†	26689.8	0.4909	mg/L	0.00712	0.4909	mg/L	0.00712	1.45%
QC value within limits for Cr 267.716 Recovery = 98.18%								
Cu 327.393†	79954.2	0.5326	mg/L	0.00779	0.5326	mg/L	0.00779	1.46%
QC value within limits for Cu 327.393 Recovery = 106.51%								
Fe 238.204†	72142.4	93.60	mg/L	1.474	93.60	mg/L	1.474	1.57%
QC value within limits for Fe 238.204 Recovery = 93.60%								
K 766.490†	21.4	0.0102	mg/L	0.00906	0.0102	mg/L	0.00906	88.76%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	4757030.7	234.6	mg/L	0.27	234.6	mg/L	0.27	0.11%
QC value within limits for Mg 285.213 Recovery = 93.82%								
Mn 257.610†	11538.4	0.4842	mg/L	0.00888	0.4842	mg/L	0.00888	1.83%
QC value within limits for Mn 257.610 Recovery = 96.85%								
Mo 202.031†	-324.1	-0.0196	mg/L	0.00032	-0.0196	mg/L	0.00032	1.63%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	2375.3	0.2143	mg/L	0.00584	0.2143	mg/L	0.00584	2.73%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	22142.0	0.9159	mg/L	0.01359	0.9159	mg/L	0.01359	1.48%

QC value within limits for Ni 231.604 Recovery = 91.59%
Pb 220.353† 3114.8 0.9731 mg/L 0.00710 0.9731 mg/L 0.00710 0.73%
QC value within limits for Pb 220.353 Recovery = 97.31%
Sb 206.836† 42.8 0.0137 mg/L 0.01069 0.0137 mg/L 0.01069 78.08%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† -122.2 -0.0075 mg/L 0.02040 -0.0075 mg/L 0.02040 273.04%
QC value within limits for Se 196.026 Recovery = Not calculated
Sn 189.927† 1400.4 0.1819 mg/L 0.00432 0.1819 mg/L 0.00432 2.37%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 337.279† -11.5 -0.0003 mg/L 0.00136 -0.0003 mg/L 0.00136 491.03%
QC value within limits for Ti 337.279 Recovery = Not calculated
Tl 351.924† -179.5 -0.0007 mg/L 0.00372 -0.0007 mg/L 0.00372 509.02%
QC value within limits for Tl 351.924 Recovery = Not calculated
V 290.880† 37478.5 0.4974 mg/L 0.00879 0.4974 mg/L 0.00879 1.77%
QC value within limits for V 290.880 Recovery = 99.48%
Zn 206.200† 22518.4 0.9876 mg/L 0.01603 0.9876 mg/L 0.01603 1.62%
QC value within limits for Zn 206.200 Recovery = 98.76%
Zr 343.823† 936.7 0.0009 mg/L 0.00009 0.0009 mg/L 0.00009 10.01%
All analyte(s) passed QC.

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Sequence No.: 62 **Autosampler Location: 5**
Sample ID: SEQ-CCV@ 2112026 **Date Collected: 4/15/2022 7:30:16 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCV@ 2112026

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	331532.2	96.1	%	0.34				0.35%
Y axial	3048041.6	94.5	%	0.51				0.54%
Ag 328.068†	222383.9	2.512	mg/L	0.0266	2.512	mg/L	0.0266	1.06%
QC value within limits for Ag 328.068 Recovery = 100.47%								
Al 396.153†	71940.3	10.15	mg/L	0.024	10.15	mg/L	0.024	0.24%
QC value within limits for Al 396.153 Recovery = 101.51%								
As 188.979†	6470.1	5.111	mg/L	0.0236	5.111	mg/L	0.0236	0.46%
QC value within limits for As 188.979 Recovery = 102.22%								
B 208.889†	38692.8	4.832	mg/L	0.0276	4.832	mg/L	0.0276	0.57%
QC value within limits for B 208.889 Recovery = 96.65%								
Ba 233.527†	294756.2	5.138	mg/L	0.0076	5.138	mg/L	0.0076	0.15%
QC value within limits for Ba 233.527 Recovery = 102.75%								
Be 313.107†	1695003.9	4.857	mg/L	0.0130	4.857	mg/L	0.0130	0.27%
QC value within limits for Be 313.107 Recovery = 97.15%								
Ca 317.933†	128003.5	10.32	mg/L	0.038	10.32	mg/L	0.038	0.37%
QC value within limits for Ca 317.933 Recovery = 103.16%								
Cd 228.802†	130882.6	5.096	mg/L	0.0062	5.096	mg/L	0.0062	0.12%
QC value within limits for Cd 228.802 Recovery = 101.93%								
Co 228.616†	141927.9	5.077	mg/L	0.0035	5.077	mg/L	0.0035	0.07%
QC value within limits for Co 228.616 Recovery = 101.54%								
Cr 267.716†	279149.3	5.077	mg/L	0.0071	5.077	mg/L	0.0071	0.14%
QC value within limits for Cr 267.716 Recovery = 101.54%								
Cu 327.393†	756675.6	5.073	mg/L	0.0065	5.073	mg/L	0.0065	0.13%
QC value within limits for Cu 327.393 Recovery = 101.47%								
Fe 238.204†	3897.5	5.068	mg/L	0.0662	5.068	mg/L	0.0662	1.31%
QC value within limits for Fe 238.204 Recovery = 101.36%								
K 766.490†	21276.4	10.16	mg/L	0.065	10.16	mg/L	0.065	0.64%
QC value within limits for K 766.490 Recovery = 101.57%								
Mg 285.213†	207791.3	10.15	mg/L	0.016	10.15	mg/L	0.016	0.16%
QC value within limits for Mg 285.213 Recovery = 101.51%								
Mn 257.610†	124744.7	5.185	mg/L	0.0069	5.185	mg/L	0.0069	0.13%
QC value within limits for Mn 257.610 Recovery = 103.71%								
Mo 202.031†	83689.7	5.061	mg/L	0.0123	5.061	mg/L	0.0123	0.24%
QC value within limits for Mo 202.031 Recovery = 101.23%								
Na 589.592†	115138.9	10.39	mg/L	0.020	10.39	mg/L	0.020	0.20%
QC value within limits for Na 589.592 Recovery = 103.87%								
Ni 231.604†	123664.0	5.115	mg/L	0.0118	5.115	mg/L	0.0118	0.23%
QC value within limits for Ni 231.604 Recovery = 102.29%								

Pb 220.353†	17026.4	5.165 mg/L	0.0284	5.165 mg/L	0.0284	0.55%
QC value within limits for Pb 220.353 Recovery = 103.30%						
Sb 206.836†	11219.6	5.027 mg/L	0.0230	5.027 mg/L	0.0230	0.46%
QC value within limits for Sb 206.836 Recovery = 100.55%						
Se 196.026†	6922.6	4.932 mg/L	0.0470	4.932 mg/L	0.0470	0.95%
QC value within limits for Se 196.026 Recovery = 98.64%						
Sn 189.927†	26226.6	5.186 mg/L	0.0271	5.186 mg/L	0.0271	0.52%
QC value within limits for Sn 189.927 Recovery = 103.71%						
Ti 337.279†	214426.9	5.048 mg/L	0.0075	5.048 mg/L	0.0075	0.15%
QC value within limits for Ti 337.279 Recovery = 100.97%						
Tl 351.924†	8693.7	2.411 mg/L	0.0059	2.411 mg/L	0.0059	0.25%
QC value within limits for Tl 351.924 Recovery = 96.45%						
V 290.880†	372433.4	5.082 mg/L	0.0081	5.082 mg/L	0.0081	0.16%
QC value within limits for V 290.880 Recovery = 101.64%						
Zn 206.200†	120087.4	5.167 mg/L	0.0162	5.167 mg/L	0.0162	0.31%
QC value within limits for Zn 206.200 Recovery = 103.34%						
Zr 343.823†	1312137.6	5.144 mg/L	0.0060	5.144 mg/L	0.0060	0.12%

All analyte(s) passed QC.

==========

Sequence No.: 63 **Autosampler Location: 1**
Sample ID: SEQ-CCB@ 2111294 **Date Collected: 4/15/2022 7:36:11 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
Wash Time (before sample): 220

Mean Data: SEQ-CCB@ 2111294

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y radial	334791.6	97.0	%	1.19				1.22%
Y axial	3223073.9	100.0	%	1.23				1.23%
Ag 328.068†	694.1	0.0079	mg/L	0.00051	0.0079	mg/L	0.00051	6.47%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	91.5	0.0132	mg/L	0.00253	0.0132	mg/L	0.00253	19.12%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.6	-0.0005	mg/L	0.00080	-0.0005	mg/L	0.00080	175.81%
QC value within limits for As 188.979 Recovery = Not calculated								
B 208.889†	103.9	0.0136	mg/L	0.00006	0.0136	mg/L	0.00006	0.42%
QC value within limits for B 208.889 Recovery = Not calculated								
Ba 233.527†	2.5	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	255.14%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	106.2	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	11.68%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	100.6	0.0081	mg/L	0.00586	0.0081	mg/L	0.00586	72.29%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 228.802†	20.7	0.0008	mg/L	0.00011	0.0008	mg/L	0.00011	13.68%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-14.8	-0.0005	mg/L	0.00007	-0.0005	mg/L	0.00007	12.99%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.9	0.0001	mg/L	0.00041	0.0001	mg/L	0.00041	327.82%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-42.2	-0.0003	mg/L	0.00017	-0.0003	mg/L	0.00017	63.01%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	4.4	0.0057	mg/L	0.00497	0.0057	mg/L	0.00497	86.45%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-32.8	-0.0156	mg/L	0.02642	-0.0156	mg/L	0.02642	168.90%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 285.213†	72.0	0.0035	mg/L	0.00040	0.0035	mg/L	0.00040	11.21%
QC value within limits for Mg 285.213 Recovery = Not calculated								
Mn 257.610†	-3.7	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	15.76%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	23.7	0.0014	mg/L	0.00042	0.0014	mg/L	0.00042	29.70%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	646.3	0.0583	mg/L	0.00778	0.0583	mg/L	0.00778	13.35%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-12.2	-0.0005	mg/L	0.00028	-0.0005	mg/L	0.00028	55.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.4	-0.0007	mg/L	0.00034	-0.0007	mg/L	0.00034	47.75%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 206.836†	-4.0	-0.0018 mg/L	0.00060	-0.0018 mg/L	0.00060	32.79%

QC value within limits for Sb 206.836 Recovery = Not calculated

Se 196.026†	2.9	0.0021 mg/L	0.00417	0.0021 mg/L	0.00417	203.09%

QC value within limits for Se 196.026 Recovery = Not calculated

Sn 189.927†	5.8	0.0011 mg/L	0.00064	0.0011 mg/L	0.00064	56.06%

QC value within limits for Sn 189.927 Recovery = Not calculated

Ti 337.279†	39.6	0.0009 mg/L	0.00058	0.0009 mg/L	0.00058	61.77%

QC value within limits for Ti 337.279 Recovery = Not calculated

Tl 351.924†	-4.7	-0.0013 mg/L	0.00033	-0.0013 mg/L	0.00033	25.40%

QC value within limits for Tl 351.924 Recovery = Not calculated

V 290.880†	21.5	0.0003 mg/L	0.00009	0.0003 mg/L	0.00009	29.87%

QC value within limits for V 290.880 Recovery = Not calculated

Zn 206.200†	13.1	0.0006 mg/L	0.00020	0.0006 mg/L	0.00020	36.09%

QC value within limits for Zn 206.200 Recovery = Not calculated

Zr 343.823†	72.0	0.0003 mg/L	0.00020	0.0003 mg/L	0.00020	71.05%

All analyte(s) passed QC.

METALS

SAMPLE DATA

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-01
Sampled:	04/06/22 09:19		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:14	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-02
Sampled:	04/06/22 09:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:16	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-03
Sampled:	04/05/22 17:23		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:18	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-04
Sampled:	04/06/22 00:00		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:26	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-05
Sampled:	04/05/22 13:11		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:27	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-06
Sampled:	04/06/22 13:03		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:34	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-07
Sampled:	04/06/22 10:59		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:36	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-08
Sampled:	04/05/22 15:42		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:37	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-09
Sampled:	04/05/22 14:37		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:39	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-10
Sampled:	04/05/22 17:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:41	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-11
Sampled:	04/05/22 15:42		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:43	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-12
Sampled:	04/05/22 13:51		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:44	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-13
Sampled:	04/05/22 12:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:46	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-14
Sampled:	04/06/22 10:15		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:48	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-15
Sampled:	04/06/22 11:48		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:50	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-16
Sampled:	04/05/22 17:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:56	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-17
Sampled:	04/05/22 17:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:58	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-18
Sampled:	04/06/22 15:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 16:59	SW-846 7470A

1 - FORM I
ANALYSIS DATA SHEET
907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0540
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0541-19
Sampled:	04/06/22 15:30		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-97-6	Mercury		0.000040	0.00010	1		B305414	04/11/22 17:03	SW-846 7470A

INITIAL AND CONTINUING CALIBRATION CHECK

SW-846 7470A

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	FIMS100 2	Calibration:	UNASSIGNED
		Sequence:	S073685

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S073685-ICV1	Mercury	4.00	4.04	101	µg/L	+/- 20.00%
S073685-CCV1	Mercury	5.00	4.90	98.0	µg/L	+/- 20.00%
S073685-CCV2	Mercury	5.00	5.13	103	µg/L	+/- 20.00%
S073685-CCV3	Mercury	5.00	5.00	99.9	µg/L	+/- 20.00%
S073685-CCV4	Mercury	5.00	5.05	101	µg/L	+/- 20.00%
S073685-CCV5	Mercury	5.00	4.88	97.6	µg/L	+/- 20.00%
S073685-CCV6	Mercury	5.00	4.88	97.7	µg/L	+/- 20.00%

FORM 3 - Blank Summary

SW-846 7470A

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	FIMS100 2	Calibration:	UNASSIGNED
Sequence:	S073685		

Lab Sample ID	Analyte	Found	Units	RL	C
S073685-ICB1	Mercury		µg/L	0.10	U
S073685-CCB1	Mercury		µg/L	0.10	U
S073685-CCB2	Mercury		µg/L	0.10	U
S073685-CCB3	Mercury		µg/L	0.10	U
S073685-CCB4	Mercury		µg/L	0.10	U
B305414-BLK1	Mercury		mg/L	0.00010	U
S073685-CCB5	Mercury		µg/L	0.10	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Analysis:	SW-846 7470A
Batch:	B305414	Preparation:	SW-846 7470A Prep
% Solids:		Laboratory ID:	B305414-MS1
Column:		Sample Lab ID:	22D0541-15

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	QC LIMITS REC.
Mercury	0.00402	ND	0.00398	99.1	75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Mercury	0.00402	0.00382	95.0	4.23	20	75 - 125

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 7470A

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Water	Preparation:	SW-846 7470A Prep
Batch:	B305414	Laboratory ID:	B305414-BS1
Column:		Initial/Final:	10 mL / 10 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Mercury	0.00402	0.00382	95.1	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Mercury	0.00402	0.00385	95.7	0.719	20	80 - 120

PREPARATION BATCH SUMMARY

SW-846 7470A

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0541
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Batch:	B305414 Batch Matrix: Water	Preparation:	SW-846 7470A Prep

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
907017-MW-116S	22D0541-01	04/10/22 10:28	10.00	10.00
907017-MW-109S	22D0541-02	04/10/22 10:28	10.00	10.00
907017-MW-113S	22D0541-03	04/10/22 10:28	10.00	10.00
907017-DUP-04062022	22D0541-04	04/10/22 10:28	10.00	10.00
907017-MW-101	22D0541-05	04/10/22 10:28	10.00	10.00
907017-MW-117S	22D0541-06	04/10/22 10:28	10.00	10.00
907017-MW-118S	22D0541-07	04/10/22 10:28	10.00	10.00
907017-MW-114S	22D0541-08	04/10/22 10:28	10.00	10.00
907017-MW-115S	22D0541-09	04/10/22 10:28	10.00	10.00
907017-MW-102I	22D0541-10	04/10/22 10:28	10.00	10.00
907017-MW-102S	22D0541-11	04/10/22 10:28	10.00	10.00
907017-MW-117D	22D0541-12	04/10/22 10:28	10.00	10.00
907017-MW-117I	22D0541-13	04/10/22 10:28	10.00	10.00
907017-MW-109I	22D0541-14	04/10/22 10:28	10.00	10.00
907017-MW-109D	22D0541-15	04/10/22 10:28	10.00	10.00
907017-RB-04052022	22D0541-16	04/10/22 10:28	10.00	10.00
907017-FB-04052022	22D0541-17	04/10/22 10:28	10.00	10.00
907017-RB-04062022	22D0541-18	04/10/22 10:28	10.00	10.00
907017-FB-04062022	22D0541-19	04/10/22 10:28	10.00	10.00
Blank	B305414-BLK1	04/10/22 10:28	10.00	10.00
LCS	B305414-BS1	04/10/22 10:28	10.00	10.00
LCS Dup	B305414-BSD1	04/10/22 10:28	10.00	10.00
907017-MW-109D	B305414-MS1	04/10/22 10:28	10.00	10.00
907017-MW-109D	B305414-MSD1	04/10/22 10:28	10.00	10.00

ANALYSIS SEQUENCE

S073685

Instrument: FIMS100 2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073685-ICV1	QC		1		2204212		
S073685-CCV1	QC		2		2204205		
S073685-ICB1	QC		3		2204190		
S073685-CCV2	QC		4		2204205		
S073685-CCB1	QC		5		2204190		
B305414-BS1	QC		6				
B305414-BSD1	QC		7				
B305414-MS1	QC		8				
B305414-MSD1	QC		9				
22D0107-01	Mercury 7470/7471 Total	A	10				
22D0541-01	Mercury 7470/7471 Total	C	11				
22D0541-02	Mercury 7470/7471 Total	C	12				
22D0541-03	Mercury 7470/7471 Total	C	13				
22D0541-04	Mercury 7470/7471 Total	C	14				
22D0541-05	Mercury 7470/7471 Total	C	15				
S073685-CCV3	QC		16		2204205		
S073685-CCB2	QC		17		2204190		
22D0541-06	Mercury 7470/7471 Total	C	18				
22D0541-07	Mercury 7470/7471 Total	C	19				
22D0541-08	Mercury 7470/7471 Total	C	20				
22D0541-09	Mercury 7470/7471 Total	C	21				
22D0541-10	Mercury 7470/7471 Total	C	22				
22D0541-11	Mercury 7470/7471 Total	C	23				
22D0541-12	Mercury 7470/7471 Total	C	24				
22D0541-13	Mercury 7470/7471 Total	C	25				
22D0541-14	Mercury 7470/7471 Total	C	26				
22D0541-15	Mercury 7470/7471 Total	G	27				
S073685-CCV4	QC		28		2204205		
S073685-CCB3	QC		29		2204190		
22D0541-16	Mercury 7470/7471 Total	C	30				
22D0541-17	Mercury 7470/7471 Total	C	31				
22D0541-18	Mercury 7470/7471 Total	C	32				
22D0541-19	Mercury 7470/7471 Total	C	33				

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

ANALYSIS SEQUENCE

S073685

Instrument: FIMS100 2

Calibration ID: UNASSIGNED

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S073685-CCV5	QC		34		2204205		
S073685-CCB4	QC		35		2204190		
B305414-BLK1	QC		36				
B305416-BLK1	QC		37				
B305416-BS1	QC		38				
B305416-BSD1	QC		39				
B305416-MS1	QC		40				
22C1965-01	Mercury 7470/7471 TCLP	A 03	41				
S073685-CCV6	QC		42		2204205		
S073685-CCB5	QC		43		2204190		

Samples Loaded By Date

Data Processed By Date

==========

Reprocessing Begun
Logged In Analyst: FIMS **Technique: AA FIMS-MHS**

Results Data Set (original): 041122
Results Library (original): C:\Users\Public\PerkinElmer Syngistix\AA\Data\Results\Results.mdb
Results Data Set (reprocessed):
Results Library (reprocessed):

==========

Method Loaded
Method Name: FIMS100 MAIN **Method Last Saved: 2/22/2021 3:32:31 PM**
Method Description: Main 10ppb

Analyte	Calibration Equation	Wavelength
Hg 253.7	Lin, Calc Int	253.7

==========

Sequence No.: 1 **Autosampler Location:**
Sample ID: Manual FIAS Cycle **Date Collected: 4/11/2022 1:50:26 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:19 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Manual FIAS Cycle **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.064	-0.064	-0.0003	-0.0000	0.0000	1:51:12 PM	No

==========

Sequence No.: 2 **Autosampler Location: 1**
Sample ID: Blank **Date Collected: 4/11/2022 1:57:39 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:20 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Blank **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.0000	0.0012	0.0003	1:58:27 PM	No
2		[0.00]	-0.0000	0.0007	0.0002	1:58:58 PM	No
3		[0.00]	0.0000	0.0014	0.0003	1:59:29 PM	No
Mean:		[0.00]	0.0000				
SD:		0.0000	0.0000				
%RSD:		0.00%	>999.9%				

Auto-zero performed.

==========

Sequence No.: 3 **Autosampler Location: 2**
Sample ID: Calib Std 1- 0.1ppb **Date Collected: 4/11/2022 1:59:50 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:20 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Calib Std 1- 0.1ppb **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.10]	0.0009	0.0052	0.0012	2:00:42 PM	No
2		[0.10]	0.0009	0.0051	0.0012	2:01:13 PM	No
3		[0.10]	0.0009	0.0050	0.0012	2:01:43 PM	No

Mean: [0.10] 0.0009
SD: 0.0000 0.0000
%RSD: 0.00% 1.60%
Standard number 1 applied. [0.10]
Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048

==========

Sequence No.: 4 **Autosampler Location: 3**
Sample ID: Calib Stb 2- 0.5ppb **Date Collected: 4/11/2022 2:02:05 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:22 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Calib Stb 2- 0.5ppb **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.50]	0.0064	0.0299	0.0067	2:02:57 PM	No
2		[0.50]	0.0064	0.0302	0.0066	2:03:28 PM	No
3		[0.50]	0.0064	0.0309	0.0067	2:03:58 PM	No
Mean:		[0.50]	0.0064				
SD:		0.0000	0.0000				
%RSD:		0.00%	0.53%				

Standard number 2 applied. [0.50]
Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048

==========

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: Calib Std 3- 1.0ppb **Date Collected: 4/11/2022 2:04:21 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:22 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Calib Std 3- 1.0ppb **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[1.00]	0.0128	0.0601	0.0130	2:05:13 PM	No
2		[1.00]	0.0126	0.0599	0.0129	2:05:43 PM	No
3		[1.00]	0.0125	0.0603	0.0128	2:06:14 PM	No
Mean:		[1.00]	0.0126				
SD:		0.0000	0.0001				
%RSD:		0.00%	0.91%				

Standard number 3 applied. [1.00]
Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048

==========

Sequence No.: 6 **Autosampler Location: 5**
Sample ID: Calib Std 4- 2.0ppb **Date Collected: 4/11/2022 2:06:37 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:22 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Calib Std 4- 2.0ppb **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[2.00]	0.0241	0.1121	0.0244	2:07:30 PM	No
2		[2.00]	0.0239	0.1121	0.0242	2:08:01 PM	No
3		[2.00]	0.0237	0.1118	0.0240	2:08:31 PM	No
Mean:		[2.00]	0.0239				
SD:		0.0000	0.0002				
%RSD:		0.00%	0.86%				

Standard number 4 applied. [2.00]

Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048

Sequence No.: 7 **Autosampler Location: 6**
Sample ID: Calib Std 5- 5.0ppb **Date Collected: 4/11/2022 2:08:54 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:22 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Calib Std 5- 5.0ppb **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5.00]	0.0592	0.2743	0.0595	2:09:45 PM	No
2		[5.00]	0.0589	0.2755	0.0592	2:10:16 PM	No
3		[5.00]	0.0587	0.2752	0.0590	2:10:47 PM	No
Mean:		[5.00]	0.0589				
SD:		0.0000	0.0003				
%RSD:		0.00%	0.47%				

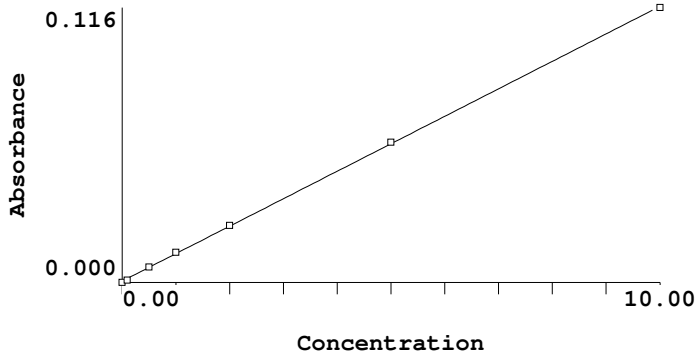
Standard number 5 applied. [5.00]
Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048

Sequence No.: 8 **Autosampler Location: 7**
Sample ID: Calib Std 6- 10.0ppb **Date Collected: 4/11/2022 2:11:08 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:22 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**

Replicate Data: Calib Std 6- 10.0ppb **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10.00]	0.1162	0.5435	0.1165	2:11:59 PM	No
2		[10.00]	0.1160	0.5465	0.1163	2:12:30 PM	No
3		[10.00]	0.1147	0.5470	0.1149	2:13:01 PM	No
Mean:		[10.00]	0.1156				
SD:		0.0000	0.0008				
%RSD:		0.00%	0.73%				

Standard number 6 applied. [10.00]
Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048



Calibration data for Hg 253.7 **Equation: Linear, Calculated Intercept**

ID	Mean Signal (Abs)	Entered Conc. µg/L	Calculated Conc. µg/L	Standard Deviation	%RSD
Blank	0.0000	0	-0.042	0.00	>999.9%
Calib Std 1- 0.1ppb	0.0009	0.10	0.035	0.00	1.60
Calib Stb 2- 0.5ppb	0.0064	0.50	0.510	0.00	0.53
Calib Std 3- 1.0ppb	0.0126	1.00	1.051	0.00	0.91

Calib Std 4- 2.0ppb 0.0239 2.00 2.027 0.00 0.86
Calib Std 5- 5.0ppb 0.0589 5.00 5.057 0.00 0.47
Calib Std 6- 10.0ppb 0.1156 10.00 9.961 0.00 0.73
Correlation Coef.: 0.999913 Slope: 0.01156 Intercept: 0.00048

==========

Sequence No.: 9 **Autosampler Location: 8**
Sample ID: SEQ-ICV **Date Collected: 4/11/2022 2:23:06 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:22 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-ICV **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.085	4.085	0.0477	0.2269	0.0480	2:23:57 PM	No
2	4.019	4.019	0.0469	0.2253	0.0472	2:24:28 PM	No
3	4.028	4.028	0.0470	0.2269	0.0473	2:24:59 PM	No
Mean:	4.044	4.044	0.0472				
SD:	0.0355	0.0355	0.0004				
%RSD:	0.88%	0.88%	0.87%				

QC value within limits for Hg 253.7 Recovery = 101.10%
All analyte(s) passed QC.

==========

Sequence No.: 10 **Autosampler Location: 6**
Sample ID: SEQ-CCV@Initial **Date Collected: 4/11/2022 2:25:23 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:23 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCV@Initial **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.985	4.985	0.0581	0.2792	0.0584	2:26:13 PM	No
2	4.877	4.877	0.0569	0.2764	0.0571	2:26:44 PM	No
3	4.836	4.836	0.0564	0.2730	0.0567	2:27:15 PM	No
Mean:	4.899	4.899	0.0571				
SD:	0.0769	0.0769	0.0009				
%RSD:	1.57%	1.57%	1.56%				

QC value within limits for Hg 253.7 Recovery = 97.98%
All analyte(s) passed QC.

==========

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: SEQ-ICB **Date Collected: 4/11/2022 2:27:37 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:23 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-ICB **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.044	-0.044	-0.0000	0.0015	0.0003	2:28:29 PM	No
2	-0.045	-0.045	-0.0000	0.0007	0.0002	2:29:00 PM	No
3	-0.045	-0.045	-0.0000	0.0009	0.0002	2:29:31 PM	No
Mean:	-0.045	-0.045	-0.0000				
SD:	0.0006	0.0006	0.0000				
%RSD:	1.38%	1.38%	20.46%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Replicate Data: SEQ-CCV **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.685	5.685	0.0662	0.3458	0.0665	4:00:42 PM	No
2	4.830	4.830	0.0563	0.2745	0.0566	4:01:14 PM	No
3	4.882	4.882	0.0569	0.2789	0.0572	4:01:45 PM	No
Mean:	5.133	5.133	0.0598				
SD:	0.4795	0.4795	0.0055				
%RSD:	9.34%	9.34%	9.27%				

QC value within limits for Hg 253.7 Recovery = 102.65%
All analyte(s) passed QC.

==========

Sequence No.: 38 **Autosampler Location: 1**
Sample ID: SEQ-CCB **Date Collected: 4/11/2022 4:02:07 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:26 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCB **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.024	-0.024	0.0002	0.0028	0.0005	4:02:59 PM	No
2	-0.038	-0.038	0.0000	0.0014	0.0003	4:03:30 PM	No
3	-0.040	-0.040	0.0000	0.0011	0.0003	4:04:00 PM	No
Mean:	-0.034	-0.034	0.0001				
SD:	0.0091	0.0091	0.0001				
%RSD:	26.65%	26.65%	118.18%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 39 **Autosampler Location: 39**
Sample ID: B305414-BS1 **Date Collected: 4/11/2022 4:04:22 PM**

Analyst: TDK
Data Type: Reprocessed on 4/12/2022 9:01:26 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt:
Initial Sample Vol:
Analyst Dilution Factor:
Sample Prep Vol:
Wash Time (before sample): 0
System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305414-BS1
Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.043	4.043	0.0472	0.2425	0.0475	4:05:14 PM	No
2	3.600	3.600	0.0421	0.2082	0.0424	4:05:45 PM	No
Mean:	3.822	3.822	0.0447				
SD:	0.3132	0.3132	0.0036				
%RSD:	8.20%	8.20%	8.11%				

==========

Sequence No.: 40
Autosampler Location: 40
Sample ID: B305414-BSD1
Date Collected: 4/11/2022 4:06:09 PM
Analyst: TDK
Data Type: Reprocessed on 4/12/2022 9:01:26 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt:
Initial Sample Vol:
Analyst Dilution Factor:
Sample Prep Vol:
Wash Time (before sample): 0
System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305414-BSD1
Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.054	4.054	0.0474	0.2446	0.0476	4:07:00 PM	No
2	3.644	3.644	0.0426	0.2141	0.0429	4:07:31 PM	No
Mean:	3.849	3.849	0.0450				
SD:	0.2902	0.2902	0.0034				
%RSD:	7.54%	7.54%	7.46%				

==========

Sequence No.: 41
Autosampler Location: 41
Sample ID: B305414-MS1
Date Collected: 4/11/2022 4:07:54 PM
Analyst: TDK
Data Type: Reprocessed on 4/12/2022 9:01:26 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt:
Initial Sample Vol:
Analyst Dilution Factor:
Sample Prep Vol:
Wash Time (before sample): 0
System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305414-MS1
Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.228	4.228	0.0494	0.2532	0.0496	4:08:46 PM	No
2	3.742	3.742	0.0437	0.2148	0.0440	4:09:17 PM	No
Mean:	3.985	3.985	0.0465				
SD:	0.3434	0.3434	0.0040				
%RSD:	8.62%	8.62%	8.53%				

==========

Sequence No.: 42
Autosampler Location: 42
Sample ID: B305414-MSD1
Date Collected: 4/11/2022 4:09:40 PM
Analyst: TDK
Data Type: Reprocessed on 4/12/2022 9:01:26 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt:
Initial Sample Vol:
Analyst Dilution Factor:
Sample Prep Vol:
Wash Time (before sample): 0
System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305414-MSD1
Analyte: Hg 253.7

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	4.042	4.042	0.0472	0.2443	0.0475	4:10:32 PM	No
2	3.598	3.598	0.0421	0.2090	0.0424	4:11:03 PM	No
Mean:	3.820	3.820	0.0446				
SD:	0.3143	0.3143	0.0036				
%RSD:	8.23%	8.23%	8.14%				

Sequence No.: 43 **Autosampler Location: 43**
Sample ID: 22D0107-01 **Date Collected: 4/11/2022 4:11:26 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:27 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0107-01 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.040	-0.040	0.0000	0.0020	0.0003	4:12:17 PM	No
2	-0.044	-0.044	-0.0000	0.0013	0.0002	4:12:49 PM	No
Mean:	-0.042	-0.042	-0.0000				
SD:	0.0031	0.0031	0.0000				
%RSD:	7.46%	7.46%	618.23%				

Sequence No.: 44 **Autosampler Location: 44**
Sample ID: 22D0541-01 **Date Collected: 4/11/2022 4:13:11 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:27 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-01 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0000	0.0014	0.0002	4:14:03 PM	No
2	-0.044	-0.044	-0.0000	0.0010	0.0002	4:14:34 PM	No
Mean:	-0.045	-0.045	-0.0000				
SD:	0.0011	0.0011	0.0000				
%RSD:	2.42%	2.42%	31.55%				

Sequence No.: 45 **Autosampler Location: 45**
Sample ID: 22D0541-02 **Date Collected: 4/11/2022 4:14:56 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:27 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-02 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.054	-0.054	-0.0001	0.0006	0.0001	4:15:48 PM	No
2	-0.052	-0.052	-0.0001	0.0008	0.0002	4:16:18 PM	No
Mean:	-0.053	-0.053	-0.0001				
SD:	0.0015	0.0015	0.0000				
%RSD:	2.83%	2.83%	12.92%				

Sequence No.: 46 **Autosampler Location: 46**
Sample ID: 22D0541-03 **Date Collected: 4/11/2022 4:16:41 PM**

Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:27 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-03 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.052	-0.052	-0.0001	0.0006	0.0002	4:17:34 PM	No
2	-0.048	-0.048	-0.0001	0.0012	0.0002	4:18:05 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0032	0.0032	0.0000				
%RSD:	6.42%	6.42%	38.44%				

==========

Sequence No.: 47 Autosampler Location: 47
Sample ID: 22D0541-04 Date Collected: 4/11/2022 4:24:49 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:27 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-04 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	0.0010	0.0002	4:25:41 PM	No
2	-0.051	-0.051	-0.0001	0.0009	0.0002	4:26:12 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0018	0.0018	0.0000				
%RSD:	3.65%	3.65%	22.83%				

==========

Sequence No.: 48 Autosampler Location: 48
Sample ID: 22D0541-05 Date Collected: 4/11/2022 4:26:36 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:27 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-05 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	0.0010	0.0002	4:27:28 PM	No
2	-0.048	-0.048	-0.0001	0.0014	0.0002	4:27:59 PM	No
Mean:	-0.048	-0.048	-0.0001				
SD:	0.0005	0.0005	0.0000				
%RSD:	0.97%	0.97%	7.35%				

==========

Sequence No.: 49 Autosampler Location: 6
Sample ID: SEQ-CCV Date Collected: 4/11/2022 4:28:22 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:27 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1.0000

Replicate Data: SEQ-CCV Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	5.380	5.380	0.0627	0.3219	0.0630	4:29:14 PM	No
2	4.822	4.822	0.0562	0.2742	0.0565	4:29:45 PM	No
3	4.788	4.788	0.0558	0.2735	0.0561	4:30:15 PM	No
Mean:	4.997	4.997	0.0582				
SD:	0.3325	0.3325	0.0038				
%RSD:	6.65%	6.65%	6.60%				

QC value within limits for Hg 253.7 Recovery = 99.93%
All analyte(s) passed QC.

==========

Sequence No.: 50 **Autosampler Location: 1**
Sample ID: SEQ-CCB **Date Collected: 4/11/2022 4:30:38 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:27 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCB **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.056	-0.056	-0.0002	-0.0020	0.0001	4:31:29 PM	No
2	-0.042	-0.042	0.0000	0.0013	0.0003	4:31:59 PM	No
3	-0.046	-0.046	-0.0000	0.0007	0.0002	4:32:30 PM	No
Mean:	-0.048	-0.048	-0.0001				
SD:	0.0076	0.0076	0.0001				
%RSD:	15.83%	15.83%	121.56%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 51 **Autosampler Location: 49**
Sample ID: 22D0541-06 **Date Collected: 4/11/2022 4:32:52 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:27 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-06 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	-0.0001	0.0010	0.0002	4:33:45 PM	No
2	-0.050	-0.050	-0.0001	0.0009	0.0002	4:34:16 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0009	0.0009	0.0000				
%RSD:	1.73%	1.73%	10.71%				

==========

Sequence No.: 52 **Autosampler Location: 50**
Sample ID: 22D0541-07 **Date Collected: 4/11/2022 4:34:40 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-07 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	-0.0001	0.0014	0.0002	4:35:31 PM	No
2	-0.051	-0.051	-0.0001	0.0009	0.0002	4:36:02 PM	No
Mean:	-0.049	-0.049	-0.0001				
SD:	0.0025	0.0025	0.0000				
%RSD:	5.11%	5.11%	34.03%				

==========

Sequence No.: 53 **Autosampler Location: 51**
Sample ID: 22D0541-08 **Date Collected: 4/11/2022 4:36:25 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-08 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.0001	0.0011	0.0002	4:37:17 PM	No
2	-0.048	-0.048	-0.0001	0.0010	0.0002	4:37:48 PM	No
Mean:	-0.047	-0.047	-0.0001				
SD:	0.0008	0.0008	0.0000				
%RSD:	1.61%	1.61%	14.10%				

==========

Sequence No.: 54 **Autosampler Location: 52**
Sample ID: 22D0541-09 **Date Collected: 4/11/2022 4:38:11 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-09 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	-0.0001	0.0008	0.0002	4:39:03 PM	No
2	-0.051	-0.051	-0.0001	0.0007	0.0002	4:39:34 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0008	0.0008	0.0000				
%RSD:	1.62%	1.62%	9.62%				

==========

Sequence No.: 55 **Autosampler Location: 53**
Sample ID: 22D0541-10 **Date Collected: 4/11/2022 4:39:57 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-10 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.051	-0.051	-0.0001	0.0007	0.0002	4:40:49 PM	No
2	-0.052	-0.052	-0.0001	0.0007	0.0002	4:41:20 PM	No
Mean:	-0.051	-0.051	-0.0001				
SD:	0.0006	0.0006	0.0000				
%RSD:	1.26%	1.26%	6.79%				

==========

Sequence No.: 56 **Autosampler Location: 54**
Sample ID: 22D0541-11 **Date Collected: 4/11/2022 4:41:43 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-11 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	0.0012	0.0002	4:42:35 PM	No
2	-0.055	-0.055	-0.0001	0.0002	0.0001	4:43:05 PM	No
Mean:	-0.051	-0.051	-0.0001				
SD:	0.0049	0.0049	0.0001				
%RSD:	9.67%	9.67%	52.50%				

==========

Sequence No.: 57 **Autosampler Location: 55**
Sample ID: 22D0541-12 **Date Collected: 4/11/2022 4:43:28 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-12 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.045	-0.045	-0.0000	0.0013	0.0002	4:44:20 PM	No
2	-0.049	-0.049	-0.0001	0.0008	0.0002	4:44:51 PM	No
Mean:	-0.047	-0.047	-0.0001				
SD:	0.0027	0.0027	0.0000				
%RSD:	5.74%	5.74%	48.02%				

==========

Sequence No.: 58 **Autosampler Location: 56**
Sample ID: 22D0541-13 **Date Collected: 4/11/2022 4:45:15 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-13 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	-0.0001	0.0012	0.0002	4:46:06 PM	No
2	-0.050	-0.050	-0.0001	0.0007	0.0002	4:46:37 PM	No
Mean:	-0.048	-0.048	-0.0001				
SD:	0.0020	0.0020	0.0000				
%RSD:	4.12%	4.12%	30.14%				

==========

Sequence No.: 59 **Autosampler Location: 57**
Sample ID: 22D0541-14 **Date Collected: 4/11/2022 4:47:00 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-14 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	0.0011	0.0002	4:47:52 PM	No
2	-0.052	-0.052	-0.0001	0.0006	0.0002	4:48:23 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0032	0.0032	0.0000				
%RSD:	6.38%	6.38%	38.04%				

==========

Sequence No.: 60 **Autosampler Location: 58**
Sample ID: 22D0541-15 **Date Collected: 4/11/2022 4:48:46 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22D0541-15 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.052	-0.052	-0.0001	0.0006	0.0002	4:49:38 PM	No
2	-0.051	-0.051	-0.0001	0.0008	0.0002	4:50:08 PM	No
Mean:	-0.051	-0.051	-0.0001				
SD:	0.0001	0.0001	0.0000				
%RSD:	0.27%	0.27%	1.39%				

==========

Sequence No.: 61 **Autosampler Location: 6**
Sample ID: SEQ-CCV **Date Collected: 4/11/2022 4:50:31 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:28 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCV **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.353	5.353	0.0624	0.3200	0.0626	4:51:22 PM	No
2	5.058	5.058	0.0590	0.2899	0.0592	4:51:54 PM	No
3	4.744	4.744	0.0553	0.2640	0.0556	4:52:25 PM	No
Mean:	5.051	5.051	0.0589				
SD:	0.3045	0.3045	0.0035				
%RSD:	6.03%	6.03%	5.98%				

QC value within limits for Hg 253.7 Recovery = 101.03%
All analyte(s) passed QC.

==========

Sequence No.: 62 **Autosampler Location: 1**
Sample ID: SEQ-CCB **Date Collected: 4/11/2022 4:52:47 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:29 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCB **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.033	-0.033	0.0001	0.0021	0.0004	4:53:38 PM	No
2	-0.040	-0.040	0.0000	0.0014	0.0003	4:54:09 PM	No
3	-0.040	-0.040	0.0000	0.0013	0.0003	4:54:39 PM	No
Mean:	-0.038	-0.038	0.0000				
SD:	0.0042	0.0042	0.0000				
%RSD:	11.01%	11.01%	107.33%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 63 **Autosampler Location: 59**
Sample ID: 22D0541-16 **Date Collected: 4/11/2022 4:55:02 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:29 AM**
Logged In Analyst (Original) : FIMS

Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-16 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	-0.0001	0.0010	0.0002	4:55:54 PM	No
2	-0.050	-0.050	-0.0001	0.0009	0.0002	4:56:25 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0007	0.0007	0.0000				
%RSD:	1.46%	1.46%	8.81%				

==========

Sequence No.: 64 Autosampler Location: 60
Sample ID: 22D0541-17 Date Collected: 4/11/2022 4:56:48 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:29 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-17 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.041	-0.041	0.0000	0.0025	0.0003	4:57:41 PM	No
2	-0.013	-0.013	0.0003	0.0057	0.0006	4:58:11 PM	No
Mean:	-0.027	-0.027	0.0002				
SD:	0.0200	0.0200	0.0002				
%RSD:	74.19%	74.19%	135.75%				

==========

Sequence No.: 65 Autosampler Location: 61
Sample ID: 22D0541-18 Date Collected: 4/11/2022 4:58:34 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:29 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-18 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.049	-0.049	-0.0001	0.0010	0.0002	4:59:27 PM	No
2	-0.050	-0.050	-0.0001	0.0009	0.0002	4:59:58 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0008	0.0008	0.0000				
%RSD:	1.64%	1.64%	10.10%				

==========

Sequence No.: 66 Autosampler Location: 62
Sample ID: 22D0541-19 Date Collected: 4/11/2022 5:01:58 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:29 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: 22D0541-19 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.048	-0.048	-0.0001	0.0012	0.0002	5:02:50 PM	No

2	-0.052	-0.052	-0.0001	0.0007	0.0002	5:03:21 PM	No
Mean:	-0.050	-0.050	-0.0001				
SD:	0.0028	0.0028	0.0000				
%RSD:	5.62%	5.62%	32.32%				

==========

Sequence No.: 74 **Autosampler Location: 6**
Sample ID: SEQ-CCV **Date Collected: 4/11/2022 5:19:42 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:30 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCV **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.255	5.255	0.0612	0.3154	0.0615	5:20:33 PM	No
2	4.674	4.674	0.0545	0.2631	0.0548	5:21:04 PM	No
3	4.718	4.718	0.0550	0.2659	0.0553	5:21:36 PM	No
Mean:	4.882	4.882	0.0569				
SD:	0.3234	0.3234	0.0037				
%RSD:	6.62%	6.62%	6.57%				

QC value within limits for Hg 253.7 Recovery = 97.65%
All analyte(s) passed QC.

Sequence No.: 75 **Autosampler Location: 1**
Sample ID: SEQ-CCB **Date Collected: 4/11/2022 5:21:57 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:30 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCB **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.025	-0.025	0.0002	0.0027	0.0005	5:22:48 PM	No
2	-0.038	-0.038	0.0000	0.0015	0.0003	5:23:19 PM	No
3	-0.038	-0.038	0.0000	0.0016	0.0003	5:23:50 PM	No
Mean:	-0.033	-0.033	0.0001				
SD:	0.0074	0.0074	0.0001				
%RSD:	22.27%	22.27%	90.79%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305414-BLK1 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.047	-0.047	-0.0001	0.0008	0.0002	5:26:49 PM	No
2	-0.048	-0.048	-0.0001	0.0010	0.0002	5:27:20 PM	No
Mean:	-0.048	-0.048	-0.0001				
SD:	0.0008	0.0008	0.0000				
%RSD:	1.62%	1.62%	12.92%				

==========

Sequence No.: 78 Autosampler Location: 72
Sample ID: B305416-BLK1 Date Collected: 4/11/2022 5:27:42 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:30 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305416-BLK1 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.008	-0.008	0.0004	0.0035	0.0007	5:28:35 PM	No
2	-0.011	-0.011	0.0004	0.0032	0.0006	5:29:05 PM	No
Mean:	-0.009	-0.009	0.0004				
SD:	0.0022	0.0022	0.0000				
%RSD:	23.34%	23.34%	6.88%				

==========

Sequence No.: 79 Autosampler Location: 73
Sample ID: B305416-BS1 Date Collected: 4/11/2022 5:29:29 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:30 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305416-BS1 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.592	4.592	0.0536	0.2728	0.0538	5:30:21 PM	No
2	4.124	4.124	0.0482	0.2288	0.0484	5:30:52 PM	No
Mean:	4.358	4.358	0.0509				
SD:	0.3312	0.3312	0.0038				
%RSD:	7.60%	7.60%	7.53%				

==========

Sequence No.: 80 Autosampler Location: 74
Sample ID: B305416-BSD1 Date Collected: 4/11/2022 5:31:16 PM
Analyst: TDK Data Type: Reprocessed on 4/12/2022 9:01:30 AM
Logged In Analyst (Original) : FIMS
Initial Sample Wt: Initial Sample Vol:
Analyst Dilution Factor: Sample Prep Vol:
Wash Time (before sample): 0 System Dilution Factor: 1
Instrument: FIMS100

Replicate Data: B305416-BSD1 Analyte: Hg 253.7

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	4.710	4.710	0.0549	0.2813	0.0552	5:32:09 PM	No
2	4.224	4.224	0.0493	0.2349	0.0496	5:32:40 PM	No
Mean:	4.467	4.467	0.0521				
SD:	0.3442	0.3442	0.0040				
%RSD:	7.70%	7.70%	7.63%				

Sequence No.: 81 **Autosampler Location: 75**
Sample ID: B305416-MS1 **Date Collected: 4/11/2022 5:33:04 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:30 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: B305416-MS1 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.692	4.692	0.0547	0.2810	0.0550	5:33:56 PM	No
2	4.316	4.316	0.0504	0.2464	0.0507	5:34:26 PM	No
Mean:	4.504	4.504	0.0526				
SD:	0.2664	0.2664	0.0031				
%RSD:	5.91%	5.91%	5.86%				

Sequence No.: 82 **Autosampler Location: 76**
Sample ID: 22C1965-01 **Date Collected: 4/11/2022 5:34:49 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:31 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1**
Instrument: FIMS100

Replicate Data: 22C1965-01 **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.016	-0.016	0.0003	0.0028	0.0006	5:35:41 PM	No
2	-0.024	-0.024	0.0002	0.0021	0.0005	5:36:12 PM	No
Mean:	-0.020	-0.020	0.0003				
SD:	0.0057	0.0057	0.0001				
%RSD:	28.68%	28.68%	26.23%				

==========

Sequence No.: 86 **Autosampler Location: 6**
Sample ID: SEQ-CCV **Date Collected: 4/11/2022 5:41:51 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:31 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCV **Analyte: Hg 253.7**

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.300	5.300	0.0618	0.3208	0.0620	5:42:43 PM	No
2	4.815	4.815	0.0561	0.2789	0.0564	5:43:14 PM	No
3	4.538	4.538	0.0529	0.2554	0.0532	5:43:44 PM	No
Mean:	4.885	4.885	0.0569				
SD:	0.3859	0.3859	0.0045				
%RSD:	7.90%	7.90%	7.83%				

QC value within limits for Hg 253.7 Recovery = 97.69%
All analyte(s) passed QC.

==========

Sequence No.: 87 **Autosampler Location: 1**
Sample ID: SEQ-CCB **Date Collected: 4/11/2022 5:44:07 PM**
Analyst: TDK **Data Type: Reprocessed on 4/12/2022 9:01:31 AM**
Logged In Analyst (Original) : FIMS
Initial Sample Wt: **Initial Sample Vol:**
Analyst Dilution Factor: **Sample Prep Vol:**
Wash Time (before sample): 0 **System Dilution Factor: 1.0000**

Replicate Data: SEQ-CCB **Analyte: Hg 253.7**

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	µg/L	µg/L	Signal	Area	Height		Stored
1	-0.027	-0.027	0.0002	0.0023	0.0004	5:44:59 PM	No
2	-0.036	-0.036	0.0001	0.0016	0.0003	5:45:30 PM	No
3	-0.038	-0.038	0.0000	0.0016	0.0003	5:46:01 PM	No
Mean:	-0.033	-0.033	0.0001				
SD:	0.0057	0.0057	0.0001				
%RSD:	16.98%	16.98%	68.70%				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Data Package



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April 14, 2022

Hilary Williams
NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202

Project Location: Carroll, NY
Client Job Number:
Project Number: 90717
Laboratory Work Order Number: 22D0549

Enclosed are results of analyses for samples as received by the laboratory on April 8, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Raymond J. McCarthy
Project Manager

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NYDEC_EA Engineering, Science & Tech. - NY
269 W. Jefferson Street
Syracuse, NY 13202
ATTN: Hilary Williams

REPORT DATE: 4/14/2022

PURCHASE ORDER NUMBER: SMPC0001

PROJECT NUMBER: 90717

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22D0549

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Carroll, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
907017-MW-116S	22D0549-01	Ground Water		EPA 537.1	
907017-MW-109S	22D0549-02	Ground Water		EPA 537.1	
907017-MW-113S	22D0549-03	Ground Water		EPA 537.1	
907017-DUP-04062022	22D0549-04	Ground Water		EPA 537.1	
907017-MW-101	22D0549-05	Ground Water		EPA 537.1	
907017-MW-117S	22D0549-06	Ground Water		EPA 537.1	
907017-MW-118S	22D0549-07	Ground Water		EPA 537.1	
907017-MW-114S	22D0549-08	Ground Water		EPA 537.1	
907017-MW-115S	22D0549-09	Ground Water		EPA 537.1	
907017-MW-102I	22D0549-10	Ground Water		EPA 537.1	
907017-MW-102S	22D0549-11	Ground Water		EPA 537.1	
907017-MW-117D	22D0549-12	Ground Water		EPA 537.1	
907017-MW-117I	22D0549-13	Ground Water		EPA 537.1	
907017-MW-109I	22D0549-14	Ground Water		EPA 537.1	
907017-MW-109D	22D0549-15	Ground Water		EPA 537.1	
907017-RB-04052022	22D0549-16	Ground Water		EPA 537.1	
907017-FB-04052022	22D0549-17	Ground Water		EPA 537.1	
907017-RB-04062022	22D0549-18	Ground Water		EPA 537.1	
907017-FB-04062022	22D0549-19	Ground Water		EPA 537.1	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-116S | Sampled: 4/6/2022 09:19

Sample ID: 22D0549-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.59	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:10	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	91.3	70-130		4/13/22 13:10
M3HFPO-DA	92.1	70-130		4/13/22 13:10
13C-PFDA	88.6	70-130		4/13/22 13:10
d5-NEtFOSAA	85.9	70-130		4/13/22 13:10

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-109S | Sampled: 4/6/2022 09:15

Sample ID: 22D0549-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.76	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.87	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.67	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorooctanoic acid (PFOA)	ND	2.0	0.92	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorononanoic acid (PFNA)	ND	2.0	0.87	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
N-EtFOSAA	ND	2.0	0.68	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.67	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
N-MeFOSAA	ND	2.0	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.51	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	0.87	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
11Cl-PF3OUdS (F53B Minor)	ND	2.0	0.75	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
9Cl-PF3ONS (F53B Major)	ND	2.0	0.90	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:17	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	88.5	70-130		4/13/22 13:17
M3HFPO-DA	85.7	70-130		4/13/22 13:17
13C-PFDA	87.7	70-130		4/13/22 13:17
d5-NEtFOSAA	87.5	70-130		4/13/22 13:17

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-113S | Sampled: 4/6/2022 17:23

Sample ID: 22D0549-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	1.0	1.9	0.72	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorohexanoic acid (PFHxA)	1.8	1.9	0.83	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorohexanesulfonic acid (PFHxS)	1.1	1.9	0.61	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluoroheptanoic acid (PFHpA)	0.69	1.9	0.63	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorooctanoic acid (PFOA)	4.9	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.55	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:24	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	101	70-130		4/13/22 13:24
M3HFPO-DA	105	70-130		4/13/22 13:24
13C-PFDA	89.4	70-130		4/13/22 13:24
d5-NEtFOSAA	90.8	70-130		4/13/22 13:24

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-DUP-04062022 | Sampled: 4/6/2022 00:00

Sample ID: 22D0549-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:31	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	94.8	70-130		4/13/22 13:31
M3HFPO-DA	98.3	70-130		4/13/22 13:31
13C-PFDA	85.7	70-130		4/13/22 13:31
d5-NEtFOSAA	86.5	70-130		4/13/22 13:31

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-101 | Sampled: 4/5/2022 13:11

Sample ID: 22D0549-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorohexanesulfonic acid (PFHxS)	0.84	1.9	0.61	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorooctanoic acid (PFOA)	1.9	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorooctanesulfonic acid (PFOS)	5.1	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:38	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	98.7	70-130		4/13/22 13:38
M3HFPO-DA	102	70-130		4/13/22 13:38
13C-PFDA	91.1	70-130		4/13/22 13:38
d5-NEtFOSAA	85.8	70-130		4/13/22 13:38

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-117S | Sampled: 4/6/2022 13:03

Sample ID: 22D0549-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorohexanesulfonic acid (PFHxS)	2.7	1.9	0.60	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorooctanesulfonic acid (PFOS)	0.97	1.9	0.81	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.68	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.55	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.76	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:45	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	91.1	70-130		4/13/22 13:45
M3HFPO-DA	96.3	70-130		4/13/22 13:45
13C-PFDA	85.0	70-130		4/13/22 13:45
d5-NEtFOSAA	81.8	70-130		4/13/22 13:45

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-118S | Sampled: 4/6/2022 10:59

Sample ID: 22D0549-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.59	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 13:53	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	122	70-130		4/13/22 13:53
M3HFPO-DA	117	70-130		4/13/22 13:53
13C-PFDA	110	70-130		4/13/22 13:53
d5-NEtFOSAA	107	70-130		4/13/22 13:53

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-114S | Sampled: 4/5/2022 15:42

Sample ID: 22D0549-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.55	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:00	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	111	70-130		4/13/22 14:00
M3HFPO-DA	109	70-130		4/13/22 14:00
13C-PFDA	106	70-130		4/13/22 14:00
d5-NEtFOSAA	101	70-130		4/13/22 14:00

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-115S | Sampled: 4/5/2022 14:37

Sample ID: 22D0549-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	0.76	1.9	0.73	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorohexanoic acid (PFHxA)	4.1	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorohexanesulfonic acid (PFHxS)	1.3	1.9	0.62	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluoroheptanoic acid (PFHpA)	2.7	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorooctanoic acid (PFOA)	16	1.9	0.89	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorooctanesulfonic acid (PFOS)	4.6	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.70	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
N-EtFOSAA	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
N-MeFOSAA	ND	1.9	0.62	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.59	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.49	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.78	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:07	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	105	70-130		4/13/22 14:07
M3HFPO-DA	105	70-130		4/13/22 14:07
13C-PFDA	92.2	70-130		4/13/22 14:07
d5-NEtFOSAA	86.4	70-130		4/13/22 14:07

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-102I | Sampled: 4/5/2022 17:30

Sample ID: 22D0549-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.75	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.91	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
N-EtFOSAA	ND	1.9	0.68	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
N-MeFOSAA	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.60	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.50	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.74	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.79	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:14	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	82.7	70-130		4/13/22 14:14
M3HFPO-DA	84.9	70-130		4/13/22 14:14
13C-PFDA	92.3	70-130		4/13/22 14:14
d5-NEtFOSAA	95.0	70-130		4/13/22 14:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-102S | Sampled: 4/5/2022 00:00

Sample ID: 22D0549-11

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.74	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.91	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
N-EtFOSAA	ND	1.9	0.67	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
N-MeFOSAA	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.60	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.57	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.50	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.74	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.79	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:28	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	102	70-130		4/13/22 14:28
M3HFPO-DA	101	70-130		4/13/22 14:28
13C-PFDA	98.7	70-130		4/13/22 14:28
d5-NEtFOSAA	96.3	70-130		4/13/22 14:28

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-117D | Sampled: 4/5/2022 00:00

Sample ID: 22D0549-12

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	1.7	1.9	0.73	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorohexanesulfonic acid (PFHxS)	0.82	1.9	0.61	ng/L	1	J	EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.89	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
N-EtFOSAA	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
N-MeFOSAA	ND	1.9	0.62	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.59	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.49	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:35	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	113	70-130		4/13/22 14:35
M3HFPO-DA	113	70-130		4/13/22 14:35
13C-PFDA	108	70-130		4/13/22 14:35
d5-NEtFOSAA	102	70-130		4/13/22 14:35

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-117I | Sampled: 4/5/2022 00:00

Sample ID: 22D0549-13

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.74	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.91	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
N-EtFOSAA	ND	1.9	0.67	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
N-MeFOSAA	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.60	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.57	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.50	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.74	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.79	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:43	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	112	70-130		4/13/22 14:43
M3HFPO-DA	107	70-130		4/13/22 14:43
13C-PFDA	105	70-130		4/13/22 14:43
d5-NEtFOSAA	101	70-130		4/13/22 14:43

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-109I | Sampled: 4/6/2022 00:00

Sample ID: 22D0549-14

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.78	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.90	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorooctanoic acid (PFOA)	ND	2.0	0.95	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorononanoic acid (PFNA)	ND	2.0	0.90	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0	0.75	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
N-EtFOSAA	ND	2.0	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
N-MeFOSAA	ND	2.0	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	0.60	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Perfluorotetradecanoic acid (PFTA)	ND	2.0	0.52	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	0.90	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
11Cl-PF3OUdS (F53B Minor)	ND	2.0	0.78	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
9Cl-PF3ONS (F53B Major)	ND	2.0	0.93	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:50	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	108	70-130		4/13/22 14:50
M3HFPO-DA	109	70-130		4/13/22 14:50
13C-PFDA	97.4	70-130		4/13/22 14:50
d5-NEtFOSAA	94.4	70-130		4/13/22 14:50

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-MW-109D | Sampled: 4/6/2022 00:00

Sample ID: 22D0549-15

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.1	0.80	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorohexanoic acid (PFHxA)	ND	2.1	0.92	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.1	0.67	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.1	0.70	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorooctanoic acid (PFOA)	ND	2.1	0.98	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.1	0.90	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorononanoic acid (PFNA)	ND	2.1	0.92	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorodecanoic acid (PFDA)	ND	2.1	0.76	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
N-EtFOSAA	ND	2.1	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.1	0.70	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
N-MeFOSAA	ND	2.1	0.68	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.1	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	2.1	0.62	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Perfluorotetradecanoic acid (PFTA)	ND	2.1	0.54	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.1	0.92	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
11Cl-PF3OUdS (F53B Minor)	ND	2.1	0.79	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
9Cl-PF3ONS (F53B Major)	ND	2.1	0.95	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.1	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 14:57	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	111	70-130		4/13/22 14:57
M3HFPO-DA	110	70-130		4/13/22 14:57
13C-PFDA	98.6	70-130		4/13/22 14:57
d5-NEtFOSAA	93.9	70-130		4/13/22 14:57

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-RB-04052022 | Sampled: 4/5/2022 00:00

Sample ID: 22D0549-16

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.84	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.89	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
N-EtFOSAA	ND	1.9	0.66	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.64	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.59	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.49	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.86	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:04	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	119	70-130		4/13/22 15:04
M3HFPO-DA	114	70-130		4/13/22 15:04
13C-PFDA	103	70-130		4/13/22 15:04
d5-NEtFOSAA	110	70-130		4/13/22 15:04

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-FB-04052022 | Sampled: 4/5/2022 00:00

Sample ID: 22D0549-17

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.55	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.82	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.71	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.76	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:11	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	96.5	70-130		4/13/22 15:11
M3HFPO-DA	95.3	70-130		4/13/22 15:11
13C-PFDA	95.9	70-130		4/13/22 15:11
d5-NEtFOSAA	96.9	70-130		4/13/22 15:11

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-RB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0549-18

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:18	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	92.9	70-130		4/13/22 15:18
M3HFPO-DA	89.0	70-130		4/13/22 15:18
13C-PFDA	98.1	70-130		4/13/22 15:18
d5-NEtFOSAA	99.2	70-130		4/13/22 15:18

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Project Location: Carroll, NY | Sample Description: | Work Order: 22D0549

Date Received: 4/8/2022

Field Sample #: 907017-FB-04062022 | Sampled: 4/6/2022 15:30

Sample ID: 22D0549-19

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
N-EtFOSAA	ND	1.9	0.65	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
N-MeFOSAA	ND	1.9	0.61	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.56	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.83	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.72	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L	1		EPA 537.1	4/11/22	4/13/22 15:26	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
13C-PFHxA	100	70-130		4/13/22 15:26
M3HFPO-DA	92.7	70-130		4/13/22 15:26
13C-PFDA	98.3	70-130		4/13/22 15:26
d5-NEtFOSAA	88.1	70-130		4/13/22 15:26

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Sample Extraction Data

Prep Method: EPA 537.1-EPA 537.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22D0549-01 [907017-MW-116S]	B305410	266	1.00	04/11/22
22D0549-02 [907017-MW-109S]	B305410	254	1.00	04/11/22
22D0549-03 [907017-MW-113S]	B305410	268	1.00	04/11/22
22D0549-04 [907017-DUP-04062022]	B305410	267	1.00	04/11/22
22D0549-05 [907017-MW-101]	B305410	266	1.00	04/11/22
22D0549-06 [907017-MW-117S]	B305410	268	1.00	04/11/22
22D0549-07 [907017-MW-118S]	B305410	266	1.00	04/11/22
22D0549-08 [907017-MW-114S]	B305410	267	1.00	04/11/22
22D0549-09 [907017-MW-115S]	B305410	264	1.00	04/11/22
22D0549-10 [907017-MW-102I]	B305410	258	1.00	04/11/22
22D0549-11 [907017-MW-102S]	B305410	258	1.00	04/11/22
22D0549-12 [907017-MW-117D]	B305410	265	1.00	04/11/22
22D0549-13 [907017-MW-117I]	B305410	258	1.00	04/11/22
22D0549-14 [907017-MW-109I]	B305410	246	1.00	04/11/22
22D0549-15 [907017-MW-109D]	B305410	240	1.00	04/11/22
22D0549-16 [907017-RB-04052022]	B305410	265	1.00	04/11/22
22D0549-17 [907017-FB-04052022]	B305410	268	1.00	04/11/22
22D0549-18 [907017-RB-04062022]	B305410	267	1.00	04/11/22
22D0549-19 [907017-FB-04062022]	B305410	267	1.00	04/11/22

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305410 - EPA 537.1											
Blank (B305410-BLK1)					Prepared: 04/11/22 Analyzed: 04/13/22						
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.72	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.83	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.61	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.63	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	0.88	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.81	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	0.83	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	0.69	ng/L							
N-EtFOSAA	ND	1.9	0.65	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.63	ng/L							
N-MeFOSAA	ND	1.9	0.61	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.58	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.55	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.48	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.82	ng/L							
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.71	ng/L							
9Cl-PF3ONS (F53B Major)	ND	1.9	0.85	ng/L							
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.77	ng/L							
Surrogate: 13C-PFHxA	*39.6*			ng/L	37.4		106	70-130			
Surrogate: M3HFPO-DA	*38.3*			ng/L	37.4		103	70-130			
Surrogate: 13C-PFDA	*39.1*			ng/L	37.4		105	70-130			
Surrogate: d5-NEtFOSAA	*150*			ng/L	149		100	70-130			
LCS (B305410-BS1)					Prepared: 04/11/22 Analyzed: 04/13/22						
Perfluorobutanesulfonic acid (PFBS)	6.68	1.9	0.71	ng/L	8.23		81.2	70-130			
Perfluorohexanoic acid (PFHxA)	7.67	1.9	0.82	ng/L	9.28		82.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.04	1.9	0.60	ng/L	8.48		83.0	70-130			
Perfluoroheptanoic acid (PFHpA)	7.85	1.9	0.63	ng/L	9.28		84.5	70-130			
Perfluorooctanoic acid (PFOA)	8.10	1.9	0.87	ng/L	9.28		87.2	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.78	1.9	0.80	ng/L	8.61		90.4	70-130			
Perfluorononanoic acid (PFNA)	9.04	1.9	0.82	ng/L	9.28		97.3	70-130			
Perfluorodecanoic acid (PFDA)	6.87	1.9	0.68	ng/L	9.28		74.0	70-130			
N-EtFOSAA	7.22	1.9	0.65	ng/L	9.28		77.7	70-130			
Perfluoroundecanoic acid (PFUnA)	7.51	1.9	0.63	ng/L	9.28		80.9	70-130			
N-MeFOSAA	7.40	1.9	0.60	ng/L	9.28		79.8	70-130			
Perfluorododecanoic acid (PFDoA)	7.19	1.9	0.58	ng/L	9.28		77.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	7.57	1.9	0.55	ng/L	9.28		81.5	70-130			
Perfluorotetradecanoic acid (PFTA)	7.85	1.9	0.48	ng/L	9.28		84.6	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.58	1.9	0.82	ng/L	9.28		81.7	70-130			
11Cl-PF3OUdS (F53B Minor)	6.77	1.9	0.71	ng/L	8.75		77.4	70-130			
9Cl-PF3ONS (F53B Major)	7.05	1.9	0.85	ng/L	8.66		81.4	70-130			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	7.28	1.9	0.76	ng/L	8.77		83.0	70-130			
Surrogate: 13C-PFHxA	*35.5*			ng/L	37.1		95.5	70-130			
Surrogate: M3HFPO-DA	*33.7*			ng/L	37.1		90.7	70-130			
Surrogate: 13C-PFDA	*33.7*			ng/L	37.1		90.7	70-130			
Surrogate: d5-NEtFOSAA	*137*			ng/L	149		92.1	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B305410 - EPA 537.1											
Matrix Spike (B305410-MS1)	**Source: 22D0549-15**				Prepared: 04/11/22 Analyzed: 04/13/22						
Perfluorobutanesulfonic acid (PFBS)	7.44	2.1	0.79	ng/L	9.14	ND	81.3	70-130			
Perfluorohexanoic acid (PFHxA)	9.49	2.1	0.92	ng/L	10.3	ND	92.0	70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.30	2.1	0.67	ng/L	9.42	ND	88.1	70-130			
Perfluoroheptanoic acid (PFHpA)	8.97	2.1	0.70	ng/L	10.3	ND	87.0	70-130			
Perfluorooctanoic acid (PFOA)	9.73	2.1	0.97	ng/L	10.3	ND	94.3	70-130			
Perfluorooctanesulfonic acid (PFOS)	8.33	2.1	0.89	ng/L	9.57	ND	87.0	70-130			
Perfluorononanoic acid (PFNA)	9.36	2.1	0.91	ng/L	10.3	ND	90.8	70-130			
Perfluorodecanoic acid (PFDA)	8.35	2.1	0.76	ng/L	10.3	ND	81.0	70-130			
N-EtFOSAA	8.45	2.1	0.72	ng/L	10.3	ND	81.9	70-130			
Perfluoroundecanoic acid (PFUnA)	8.83	2.1	0.70	ng/L	10.3	ND	85.6	70-130			
N-MeFOSAA	8.44	2.1	0.67	ng/L	10.3	ND	81.9	70-130			
Perfluorododecanoic acid (PFDoA)	8.81	2.1	0.64	ng/L	10.3	ND	85.4	70-130			
Perfluorotridecanoic acid (PFTrDA)	9.08	2.1	0.61	ng/L	10.3	ND	88.0	70-130			
Perfluorotetradecanoic acid (PFTA)	8.79	2.1	0.53	ng/L	10.3	ND	85.2	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.82	2.1	0.91	ng/L	10.3	ND	75.9	70-130			
11Cl-PF3OUdS (F53B Minor)	8.13	2.1	0.79	ng/L	9.72	ND	83.6	70-130			
9Cl-PF3ONS (F53B Major)	8.40	2.1	0.94	ng/L	9.62	ND	87.4	70-130			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.97	2.1	0.84	ng/L	9.74	ND	92.1	70-130			
Surrogate: 13C-PFHxA	*41.1*			ng/L	41.2		99.7	70-130			
Surrogate: M3HFPO-DA	*40.6*			ng/L	41.2		98.4	70-130			
Surrogate: 13C-PFDA	*39.2*			ng/L	41.2		95.0	70-130			
Surrogate: d5-NEtFOSAA	*151*			ng/L	165		91.4	70-130			
Matrix Spike Dup (B305410-MSD1)	**Source: 22D0549-15**				Prepared: 04/11/22 Analyzed: 04/13/22						
Perfluorobutanesulfonic acid (PFBS)	8.13	2.1	0.81	ng/L	9.34	ND	87.0	70-130	8.90	30	
Perfluorohexanoic acid (PFHxA)	10.3	2.1	0.94	ng/L	10.5	ND	97.6	70-130	7.98	30	
Perfluorohexanesulfonic acid (PFHxS)	9.09	2.1	0.68	ng/L	9.62	ND	94.5	70-130	9.05	30	
Perfluoroheptanoic acid (PFHpA)	10.2	2.1	0.71	ng/L	10.5	ND	96.4	70-130	12.4	30	
Perfluorooctanoic acid (PFOA)	10.7	2.1	0.99	ng/L	10.5	ND	102	70-130	9.72	30	
Perfluorooctanesulfonic acid (PFOS)	9.77	2.1	0.91	ng/L	9.77	ND	100	70-130	15.9	30	
Perfluorononanoic acid (PFNA)	10.8	2.1	0.93	ng/L	10.5	ND	102	70-130	14.1	30	
Perfluorodecanoic acid (PFDA)	9.17	2.1	0.77	ng/L	10.5	ND	87.1	70-130	9.29	30	
N-EtFOSAA	10.1	2.1	0.73	ng/L	10.5	ND	95.7	70-130	17.6	30	
Perfluoroundecanoic acid (PFUnA)	9.98	2.1	0.71	ng/L	10.5	ND	94.8	70-130	12.3	30	
N-MeFOSAA	8.94	2.1	0.69	ng/L	10.5	ND	84.9	70-130	5.71	30	
Perfluorododecanoic acid (PFDoA)	9.12	2.1	0.66	ng/L	10.5	ND	86.6	70-130	3.48	30	
Perfluorotridecanoic acid (PFTrDA)	10.1	2.1	0.62	ng/L	10.5	ND	96.2	70-130	10.9	30	
Perfluorotetradecanoic acid (PFTA)	9.77	2.1	0.54	ng/L	10.5	ND	92.8	70-130	10.6	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.98	2.1	0.93	ng/L	10.5	ND	85.3	70-130	13.8	30	
11Cl-PF3OUdS (F53B Minor)	9.20	2.1	0.80	ng/L	9.93	ND	92.7	70-130	12.4	30	
9Cl-PF3ONS (F53B Major)	9.20	2.1	0.96	ng/L	9.82	ND	93.7	70-130	9.07	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.79	2.1	0.86	ng/L	9.95	ND	98.4	70-130	8.74	30	
Surrogate: 13C-PFHxA	*44.8*			ng/L	42.1		106	70-130			
Surrogate: M3HFPO-DA	*44.2*			ng/L	42.1		105	70-130			
Surrogate: 13C-PFDA	*43.5*			ng/L	42.1		103	70-130			
Surrogate: d5-NEtFOSAA	*169*			ng/L	168		101	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 537.1 in Drinking Water	
Perfluorobutanesulfonic acid (PFBS)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorohexanoic acid (PFHxA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorohexanesulfonic acid (PFHxS)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluoroheptanoic acid (PFHpA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorooctanoic acid (PFOA)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorooctanesulfonic acid (PFOS)	VT-DW,NJ,CT,ME,PA,MI,MA,NY,NH
Perfluorononanoic acid (PFNA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorodecanoic acid (PFDA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
N-EtFOSAA	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluoroundecanoic acid (PFUnA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
N-MeFOSAA	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorododecanoic acid (PFDoA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorotridecanoic acid (PFTrDA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Perfluorotetradecanoic acid (PFTA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
11Cl-PF3OUdS (F53B Minor)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
9Cl-PF3ONS (F53B Major)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NH-P,VT-DW,NJ,CT,ME,PA,MI,MA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

2200549

Company Name:
Address: EA Engineering
Phone: 269 W Jefferson St. Syracuse, NY 13202
Project Name: Carroll Landfill
Project Location: Carroll, NY
Project Number: 16025231/0026
Project Manager: Hilary Williams
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day ☒ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: hwilliams@eacst.com
Fax To #:

ANALYTICAL REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PFAS 537.1	# of Containers	Preservation Code	Container Code
1	907017-MW-116S		04/06/22 0919		X	GW	U	X	20	O	P
2	907017 - MW-109S		04/06/22 0915		X	GW	U	X			
3	907017 - MW-113S		04/05/22 1723		X	GW	U	X			
4	907017 - DUP-04062022		04/06/22		X	GW	U	X			
5	907017 - MW-101		04/05/22 1311		X	GW	U	X			
6	907017 - MW-117S		04/06/22 1303		X	GW	U	X			
7	907017 - MW-118S		04/06/22 1059		X	GW	U	X			
8	907017 - MW-114S		04/05/22 1542		X	GW	U	X			
9	907017 - MW-115S		04/06/22 1431		X	GW	U	X			
10	907017 - MW-102S		04/05/22 1726		X	GW	U	X			

Dissolved Metals Samples: ☐ Field Filtered ☐ Lab to Filter

Orthophosphate Samples: ☐ Field Filtered ☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) Trizma

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Standard Turnaround time

CAT-B Delivery

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 04/06/22 1600
Received by: (signature)	4.8	Date/Time: 954
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☐ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☒ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

22D0519

Company Name: EA Engineering
Address: 269 W Jefferson St. Syracuse, NY 13202
Phone:
Project Name: Carroll Landfill
Project Location: Carroll, NY
Project Number: 160253/0026
Project Manager: Hilary Williams
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By:

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [ ] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: hwilliams@eaeng.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	PFAS 537.1													# of Containers	[2] Preservation Code	[3] Container Code
								20															
								0															
								P															
11	907017-MW-112S		04/05/22		X	GW	U	X															
12	907017-MW-107D		04/05/22		X	GW	U	X															
13	907017-MW-117S		04/05/22		X	GW	U	X															
14	907017-MW-109S		04/06/22		X	GW	U	X															
15	907017-MW-109D		04/06/22		X	GW	U	X															
1	907017-MW-109D-04062022-MS/MSD		04/06/22		X	GW	U	X															
16	907017-RB-04052022		04/05/22		X	GW	U	X															
17	907017-FB-04052022		04/05/22		X	GW	U	X															
18	907017-RB-04062022		04/06/22 1530		X	GW	U	X															
19	907017-FB-04062022		04/06/22 1730		X	GW	U	X															

ANALYSIS REQUESTED

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

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T.B.ma

[3] Container Codes:
A = Amber Glass
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T = Tedlar Bag
O = Other (please define)

Comments: Standard turnaround time

CAT-B Delivery

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 04/06/22 1600
Received by: (signature)	4.0	Date/Time: 4-8 954
Relinquished by: (signature)		Date/Time:
eived by: (signature)		Date/Time:
nquished by: (signature)		Date/Time:
eived by: (signature)		Date/Time:

Program & Regulatory Information
[ ] AWQ STDS [ ] NY TOGS
[ ] NYC Sewer Discharge [ ] NY CP-51
[ ] Part 360 GW (Landfill)
[ ] NY Restricted Use
[ ] NY Unrestricted Use
[ ] NY Part 375
Other:

Deliverables
[ ] Enhanced Data Package
[X] NYSDEC EQuIS EDD
[ ] EQuIS (Standard) EDD
[ ] NY Regulatory EDD
[ ] NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
[X] Government [ ] Municipality [ ] MWRA [ ] WRTA
[ ] Federal [ ] 21 J [ ] School
[ ] City [ ] Brownfield [ ] MBTA

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[ ] Non Soxhlet

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FedEx®

FedEx® Tracking

271764548371

ADD NICKNAME

Delivered
Friday, 4/8/2022 at 9:54 am

THIS IS 1 OF 7 PIECES

DELIVERED

Signed for by: E.ARRU

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM

Syracuse, NY US

TO

East Longmeadow, MA US

MANAGE DELIVERY

7 Piece Shipment

TRACKING ID	STATUS	SHIP DATE	DELIVERY DATE	HANDLING PIECE UNITS	SHIPPER CITY, STATE	RECIPIENT CITY, STATE
271764548350 (master)	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548360	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548371	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548382	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548393	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA
271764548408	Delivered	4/7/22	4/8/22	0	Syracuse NY	East Longmeadow MA

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EA Eng

Received By JR Date 4-8-22 Time 954

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 4.0
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name F
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? T
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	42	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

HPLC

SAMPLE DATA

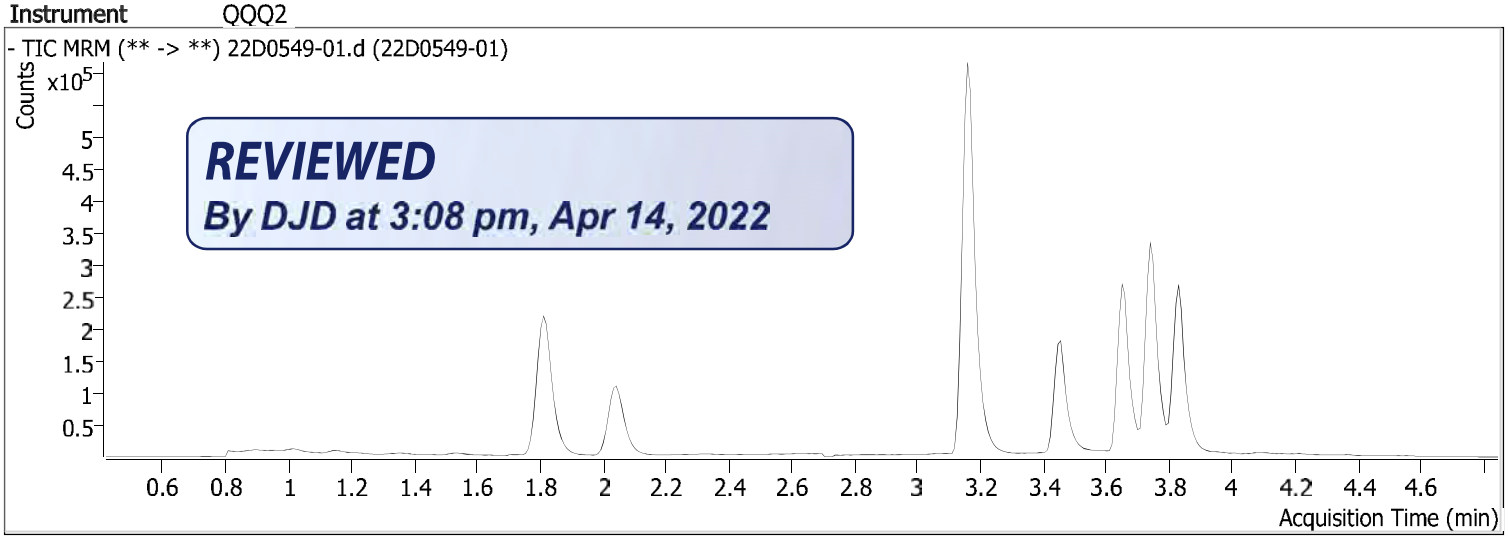
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-116S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-01	File ID:	22D0549-01.d
Sampled:	04/06/22 09:19	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:10
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	265.94 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

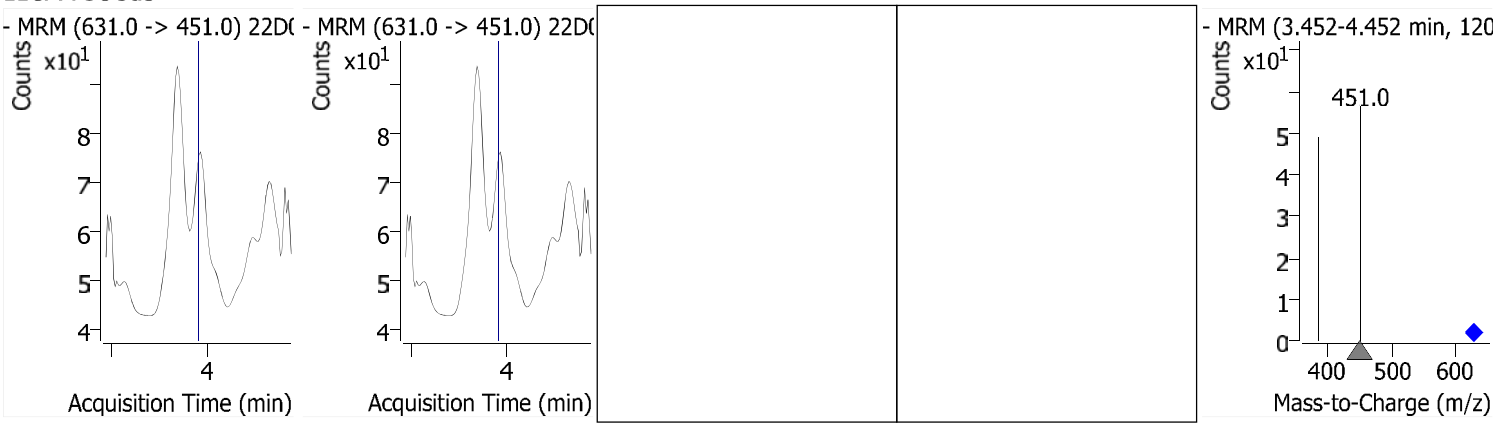
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.64	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.64	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.59	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.86	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:10 PM	Data File	22D0549-01.d
Sample Type	Sample	Sample Name	22D0549-01
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

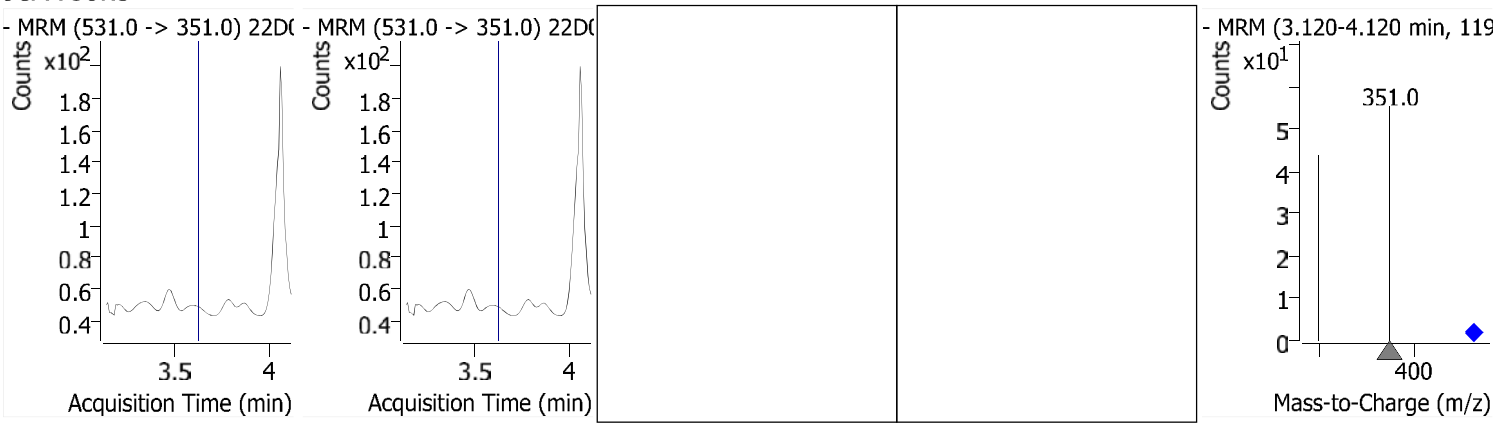


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	337594	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	337594	ND	pg/ml			
ADONA			PFOA C13	3.162	896496	ND	pg/ml			
d5-N-EtFOSAA	3.831	680525	d3-N-MeFOSAA	3.741	855552	34361.2093	pg/ml			
HFPO-DA			PFOA C13	3.162	896496	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	855552	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	855552	ND	pg/ml			
PFBS			PFOS C13	3.458	337594	ND	pg/ml			
PFDA C13	3.653	685042	PFOA C13	3.162	896496	8863.5904	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	896496	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	3.773	0	PFOA C13	3.162	896496	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	896496	ND	pg/ml			
PFHxA C13	1.813	748573	PFOA C13	3.162	896496	9125.3471	pg/ml			
PFHxA	1.814	5217	PFOA C13	3.162	896496	82.9078	pg/ml	✔	3	DRL 04/14/22
PFHxS			PFOS C13	3.458	337594	ND	pg/ml			
PFNA	3.492	0	PFOA C13	3.162	896496	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.543	0	PFOA C13	3.162	896496	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	337594	ND	pg/ml			
M3HFPO-DA	2.040	76858	PFOA C13	3.162	896496	9212.2016	pg/ml			
PFTA	4.321	0	PFOA C13	3.162	896496	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	896496	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	896496	ND	pg/ml	✔	1	DRL 04/14/22

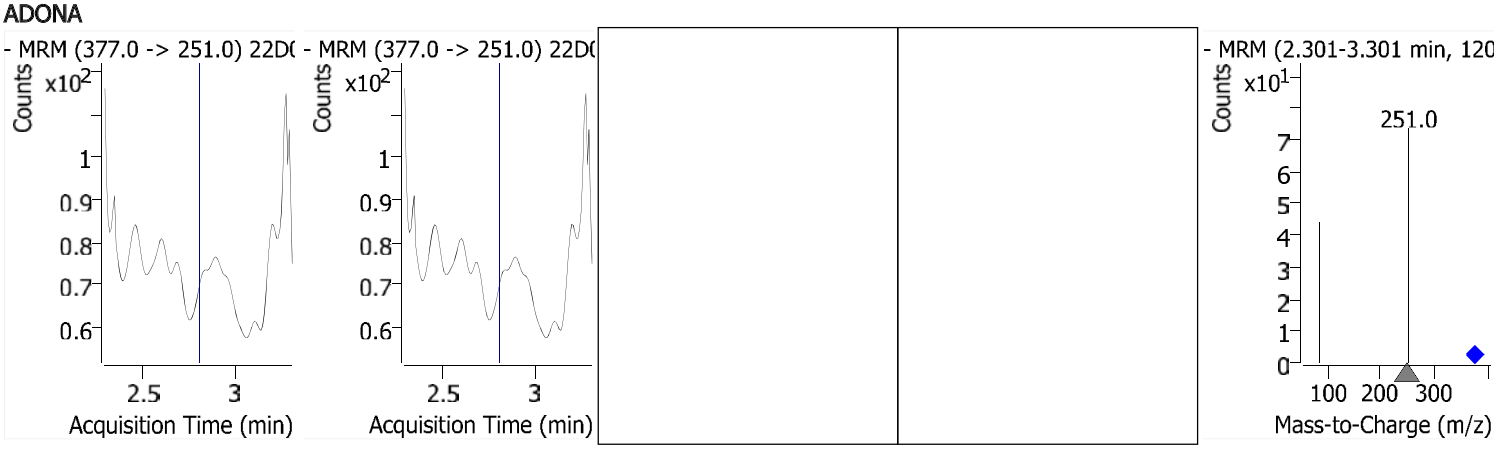
11Cl-PF3OUdS



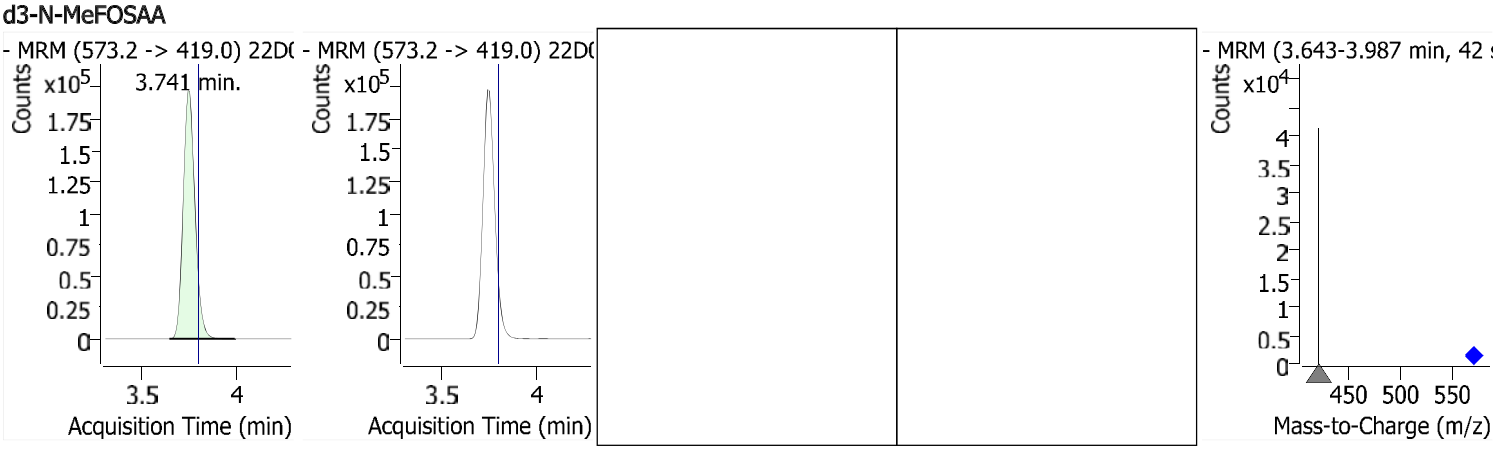
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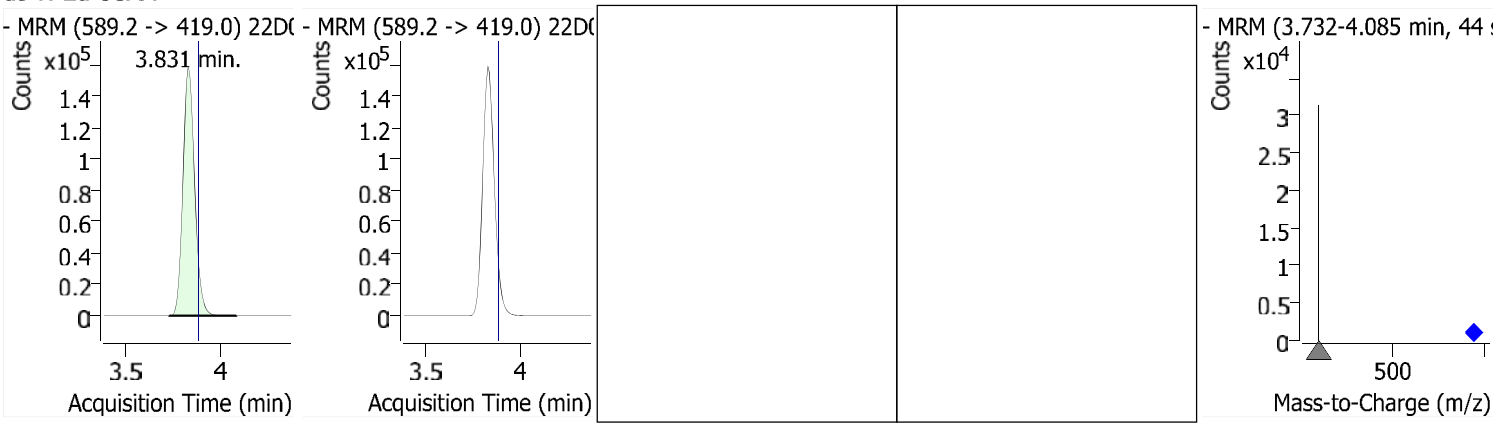
ADONA



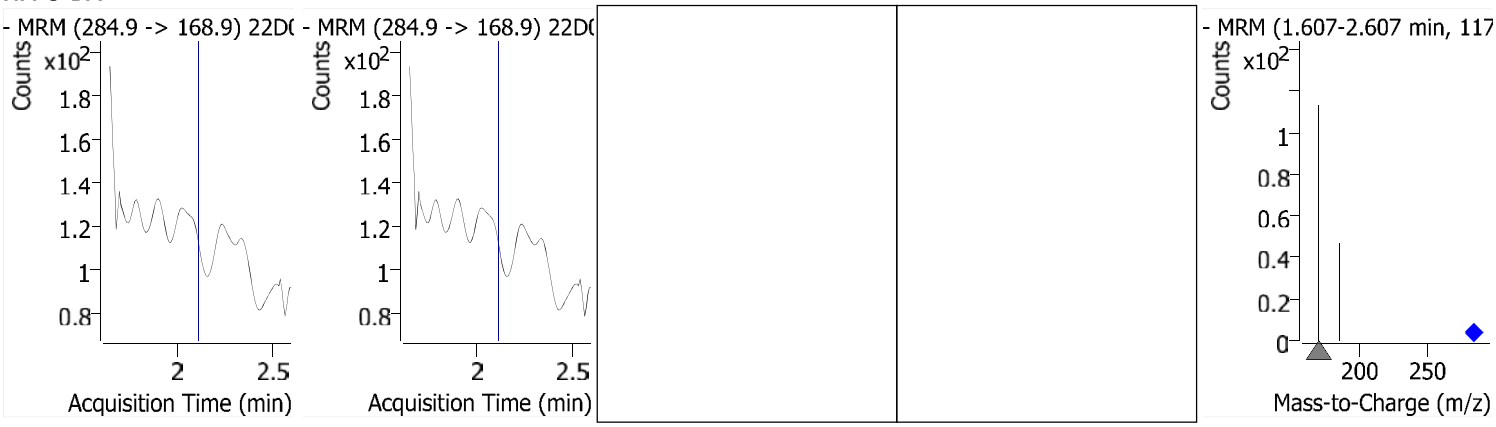
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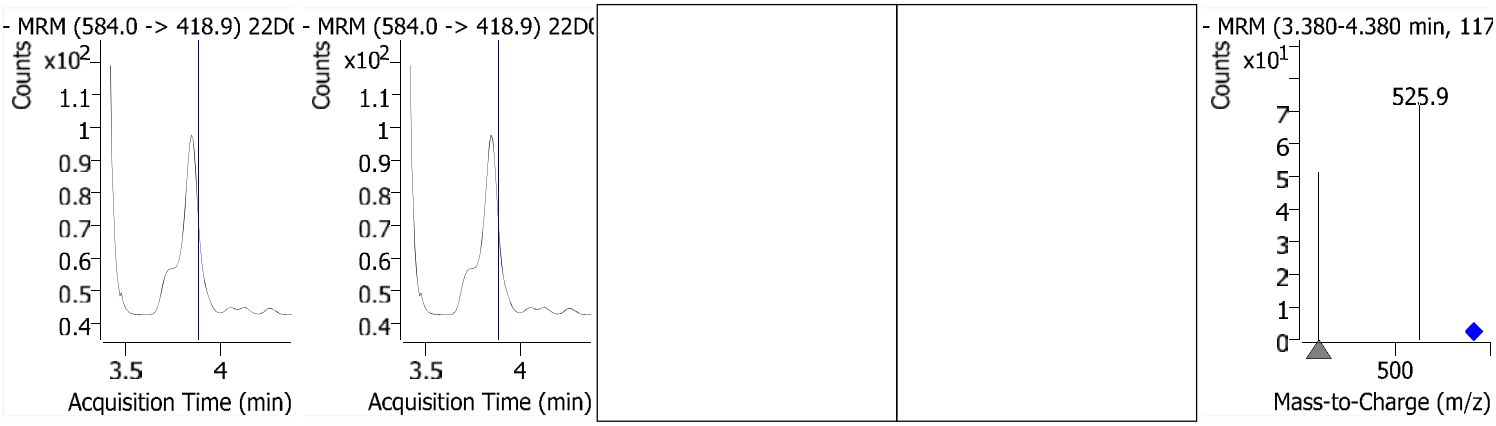
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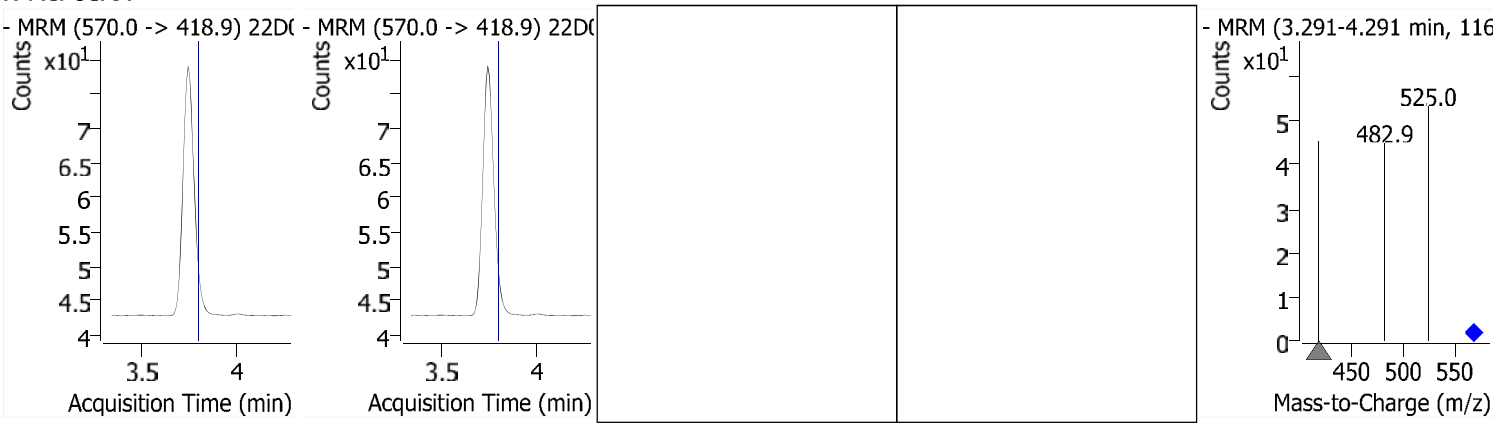
HFPO-DA



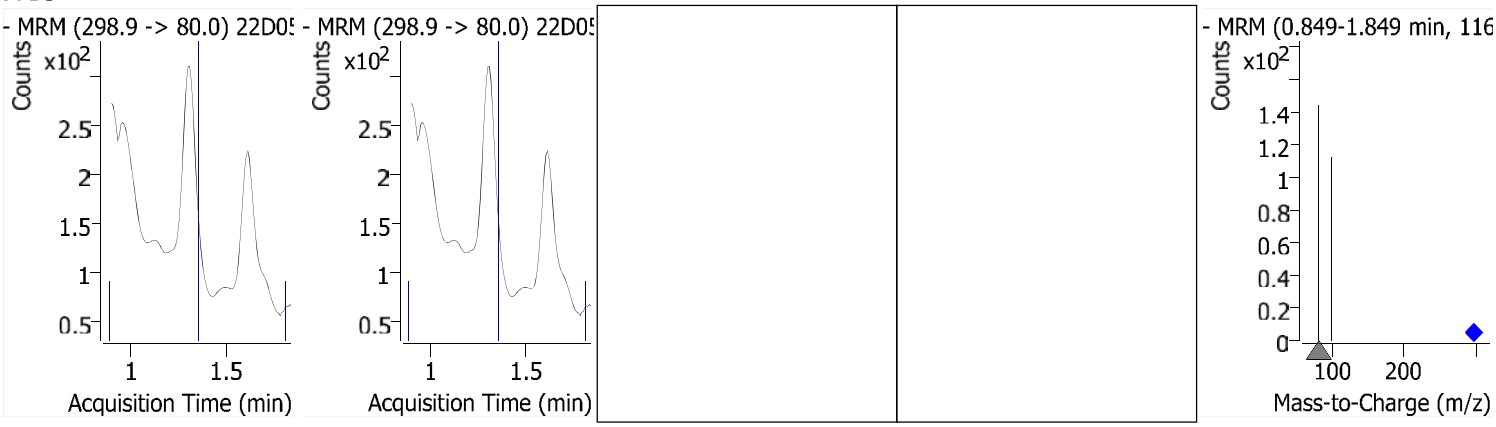
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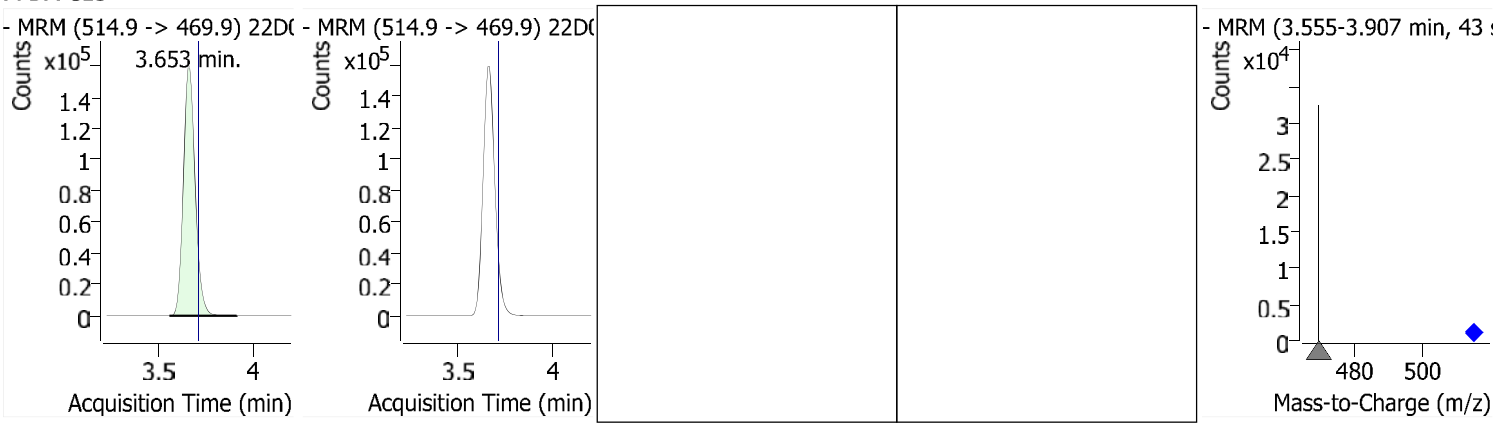
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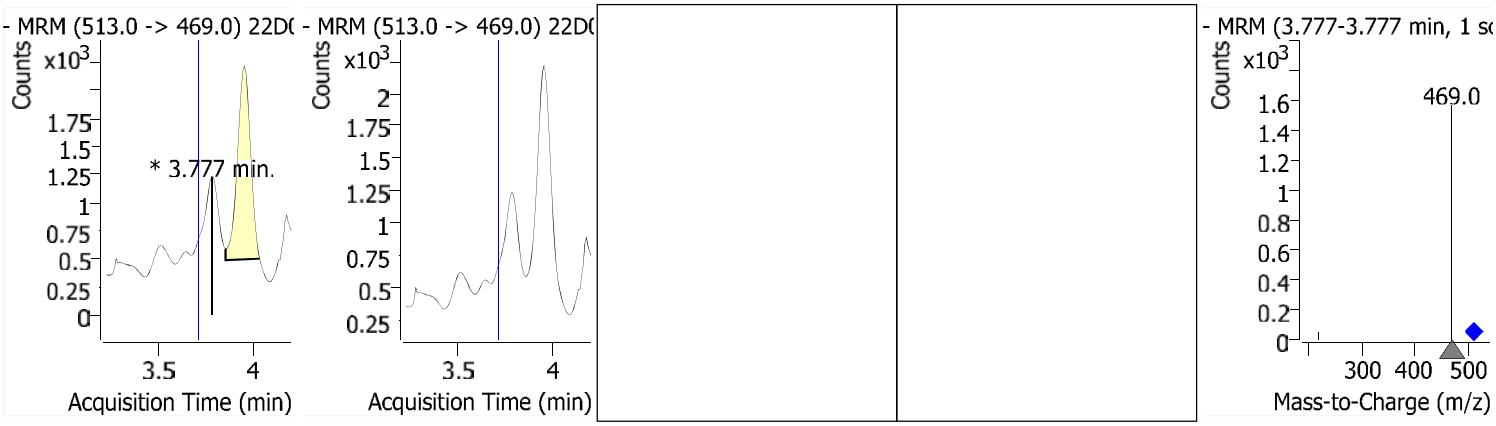
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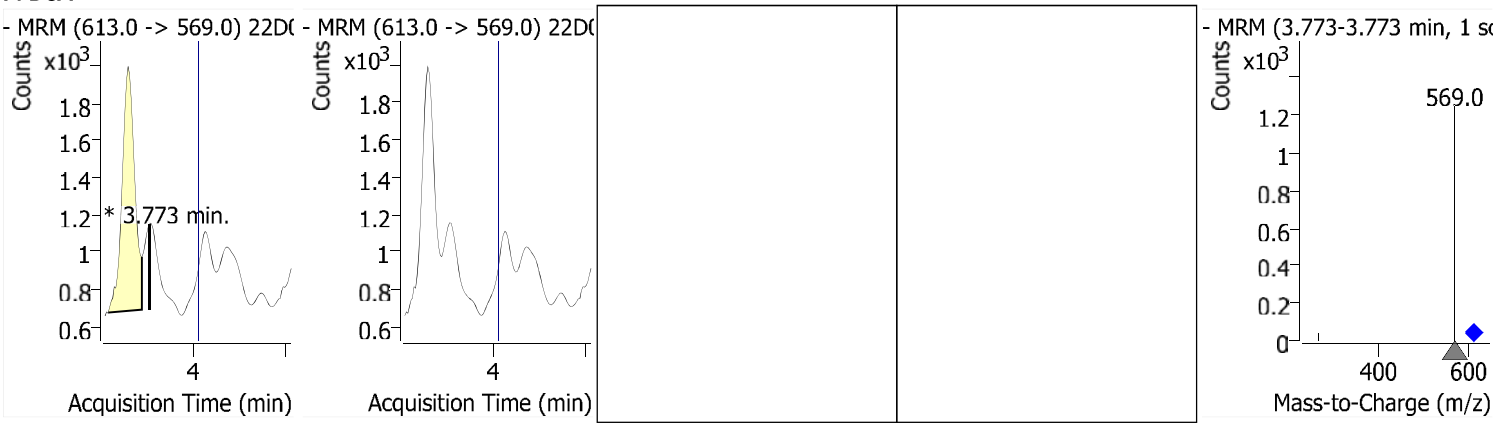
PFDA C13



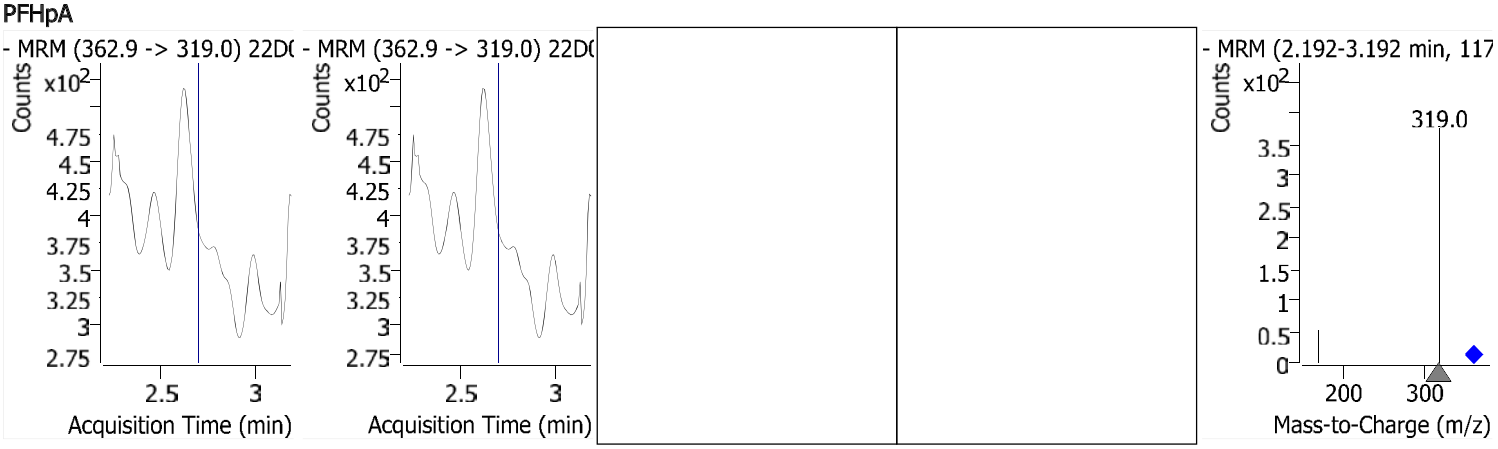
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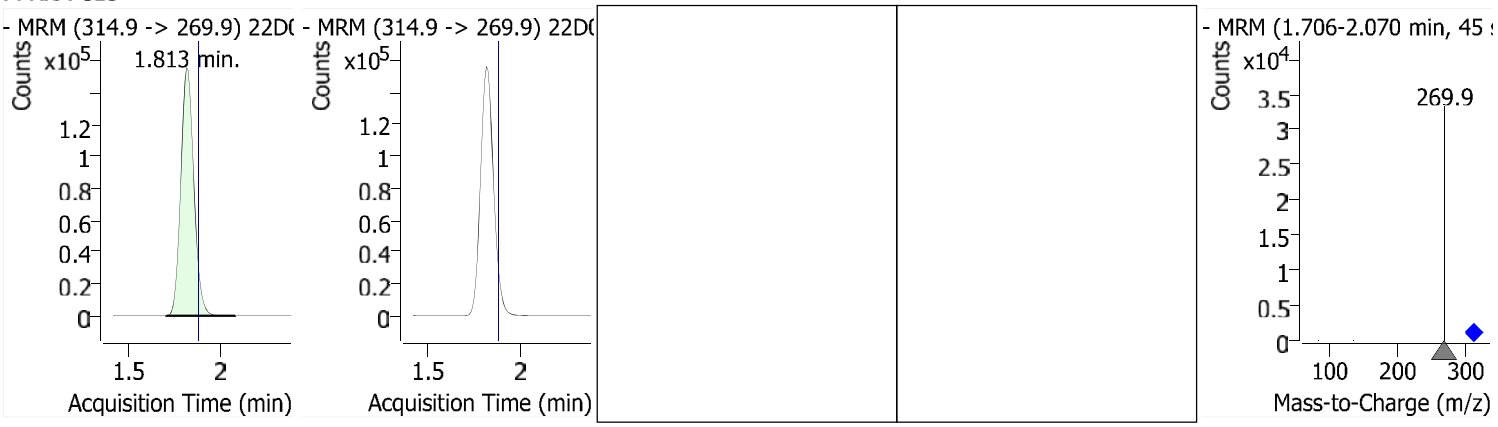
PFDoA



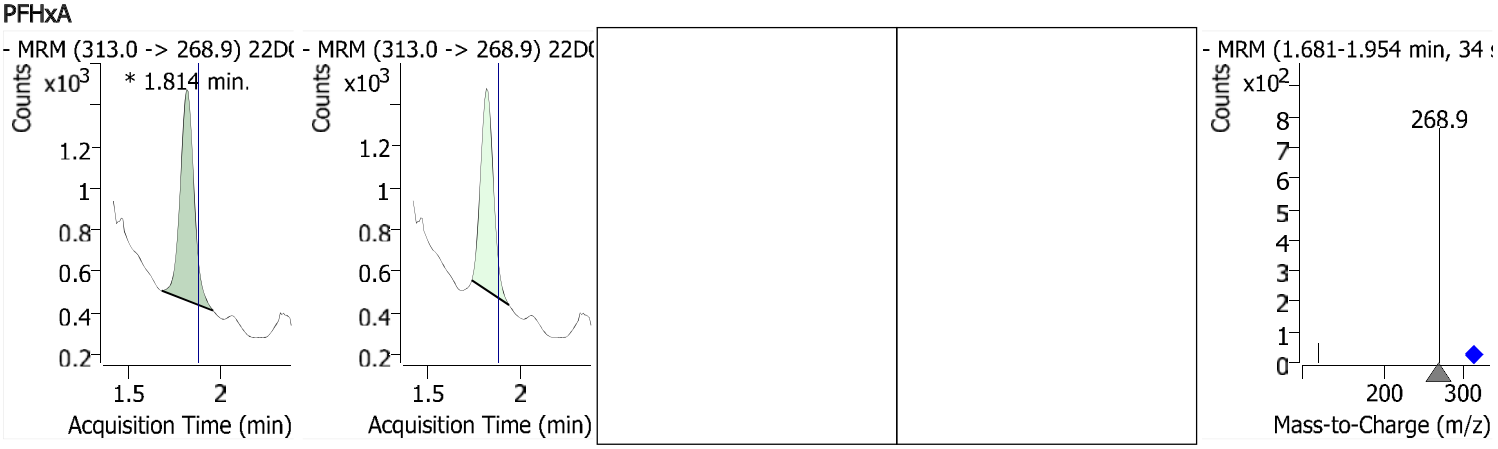
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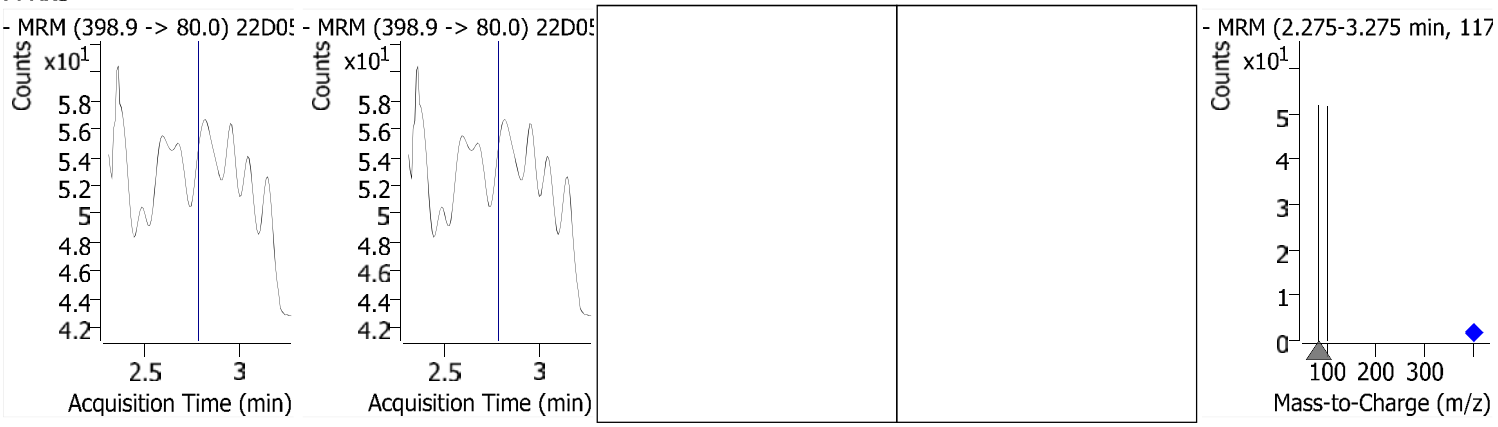
PFHxA C13



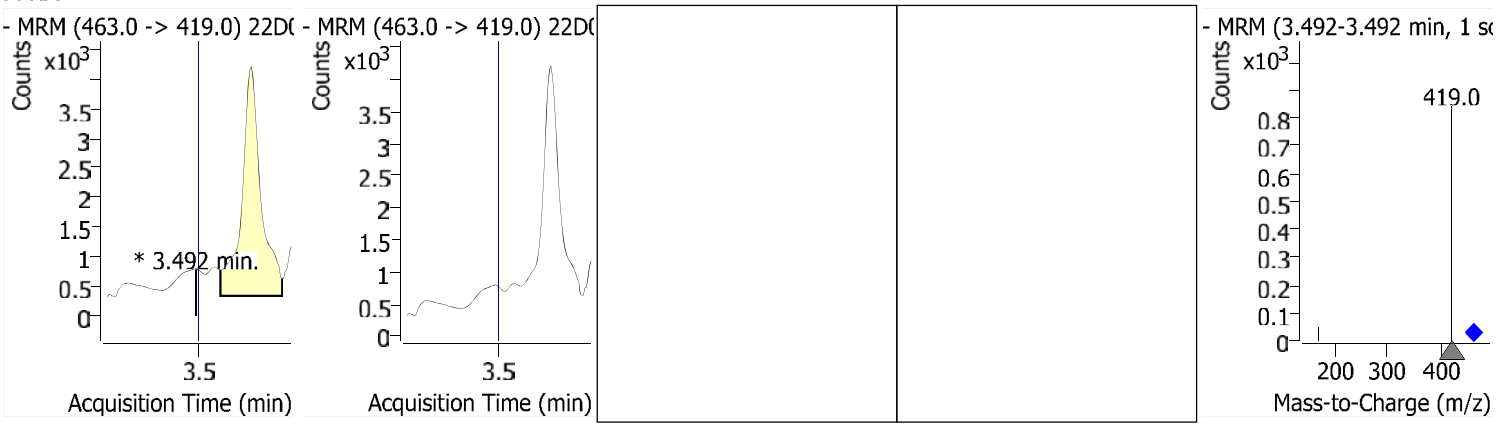
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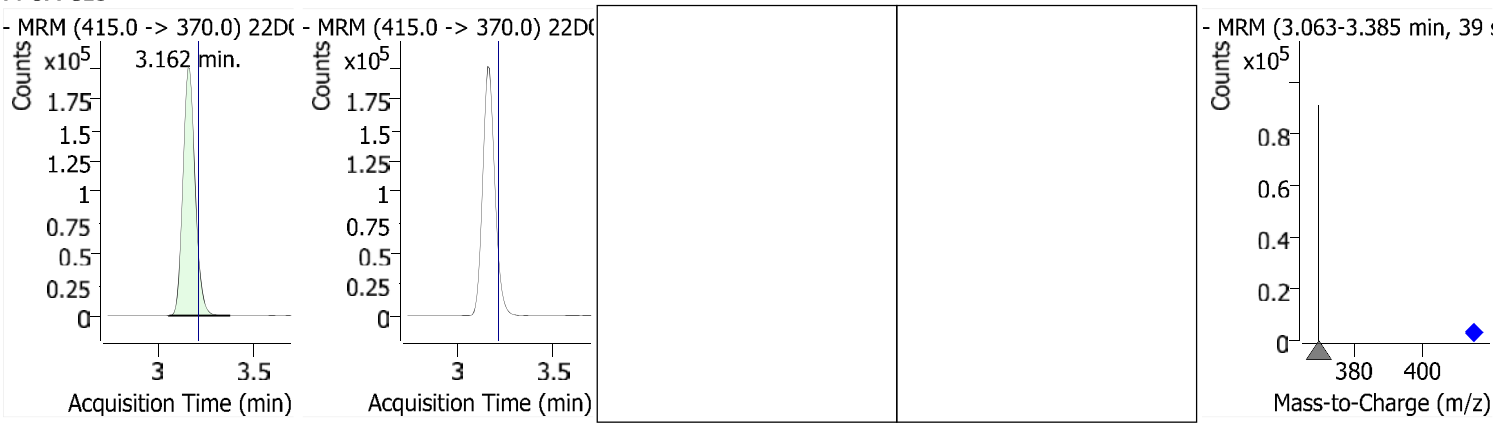
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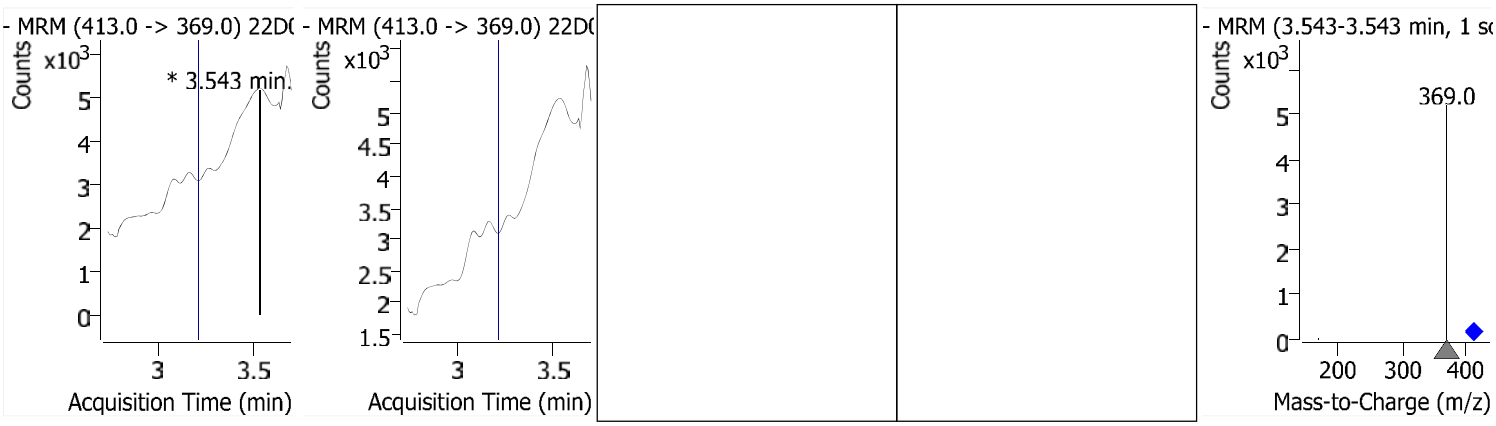
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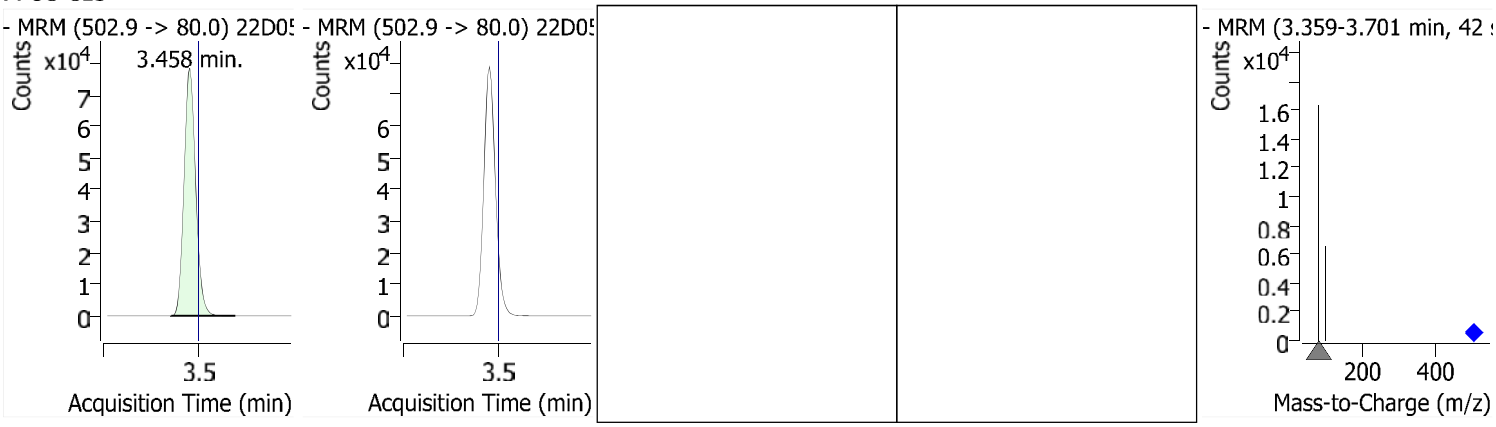
PFOA C13



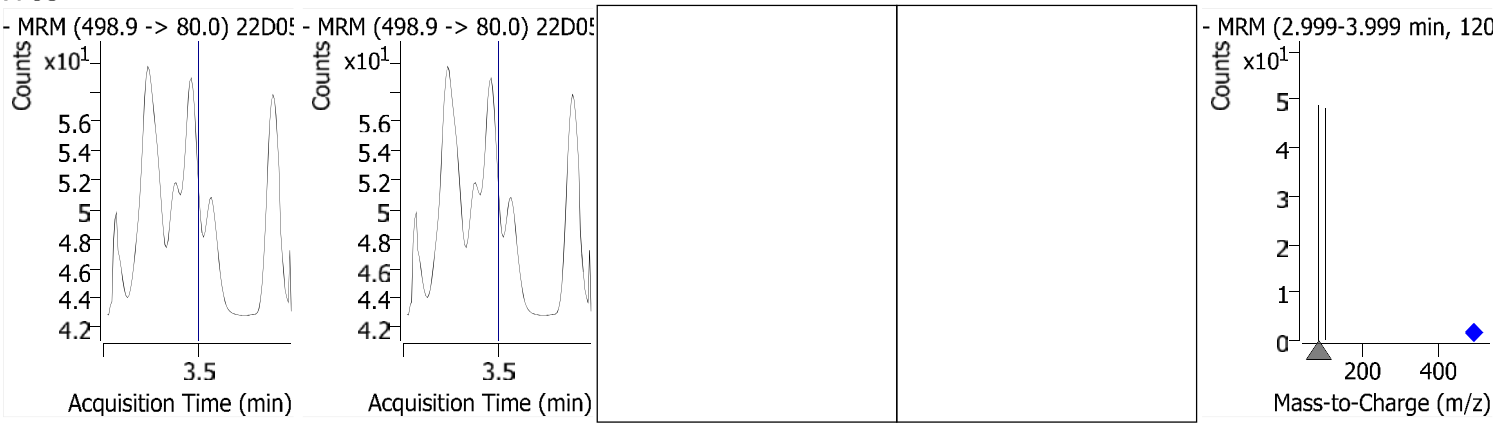
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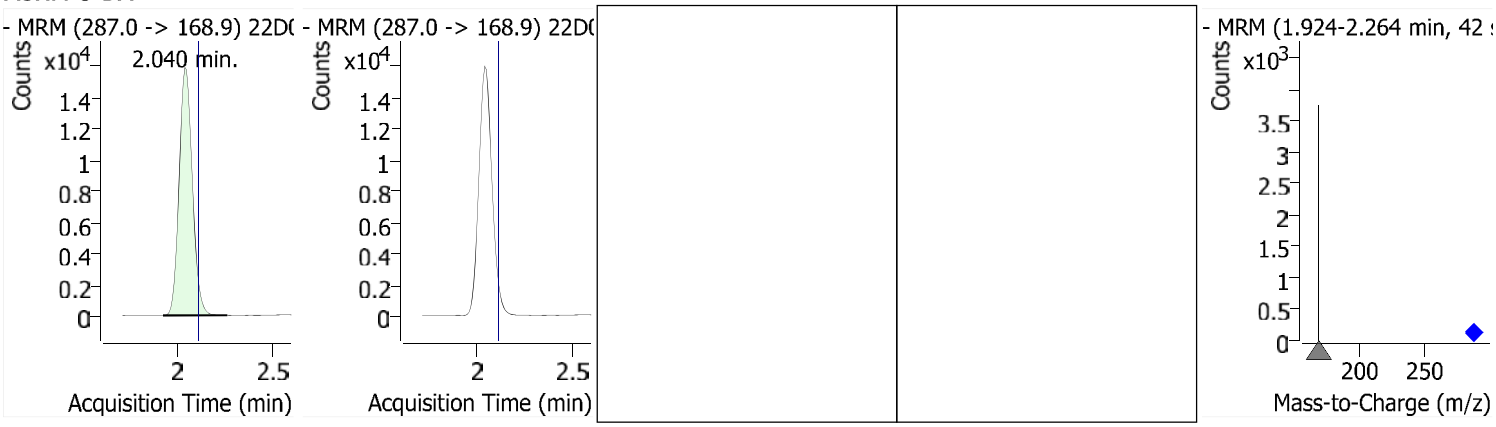
PFOS C13



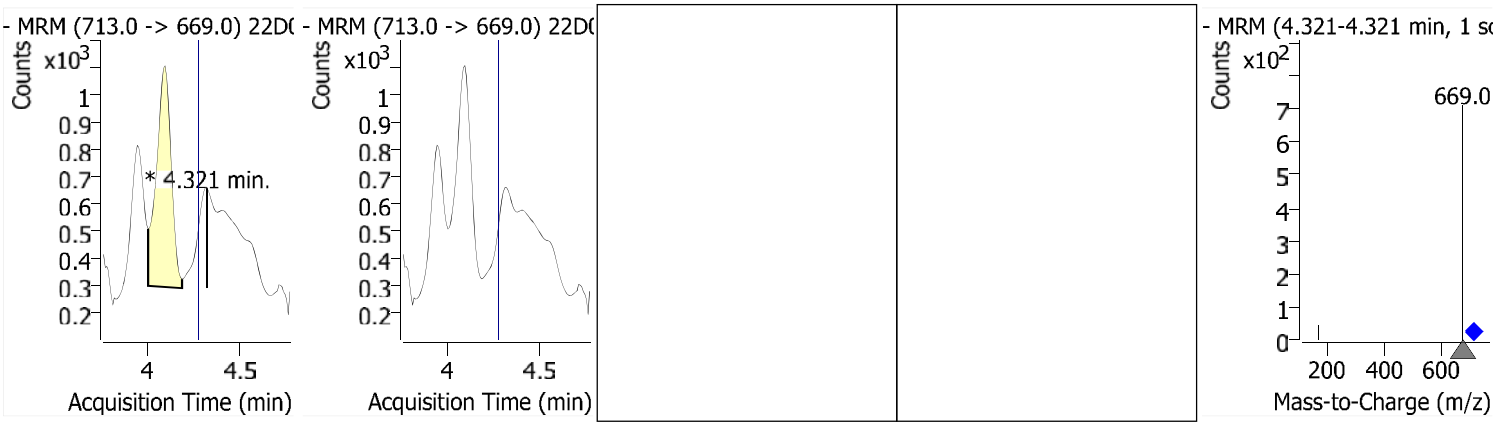
PFOS



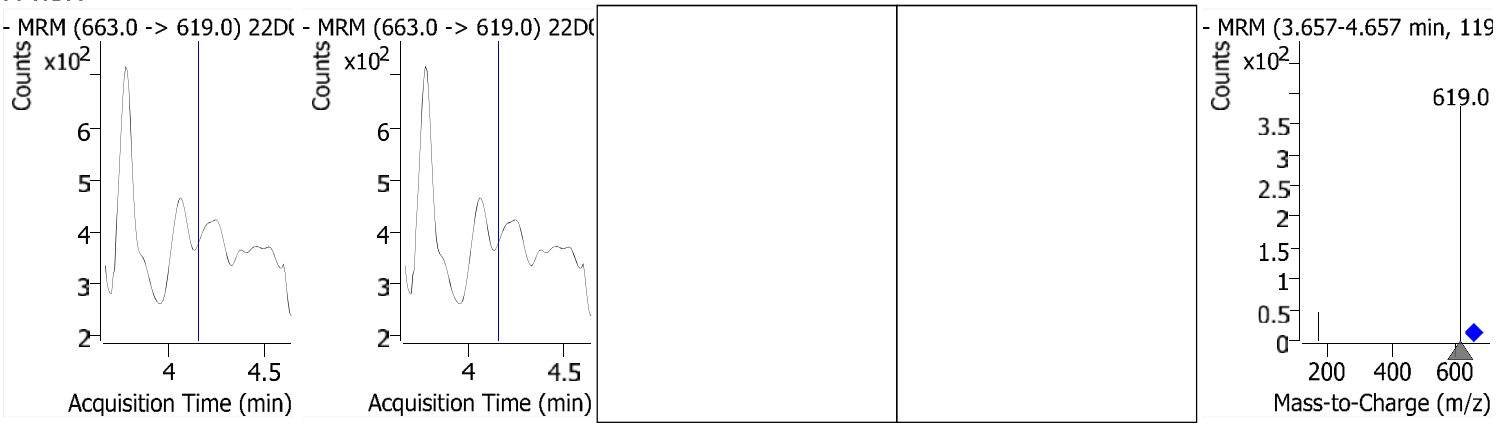
M3HFPO-DA



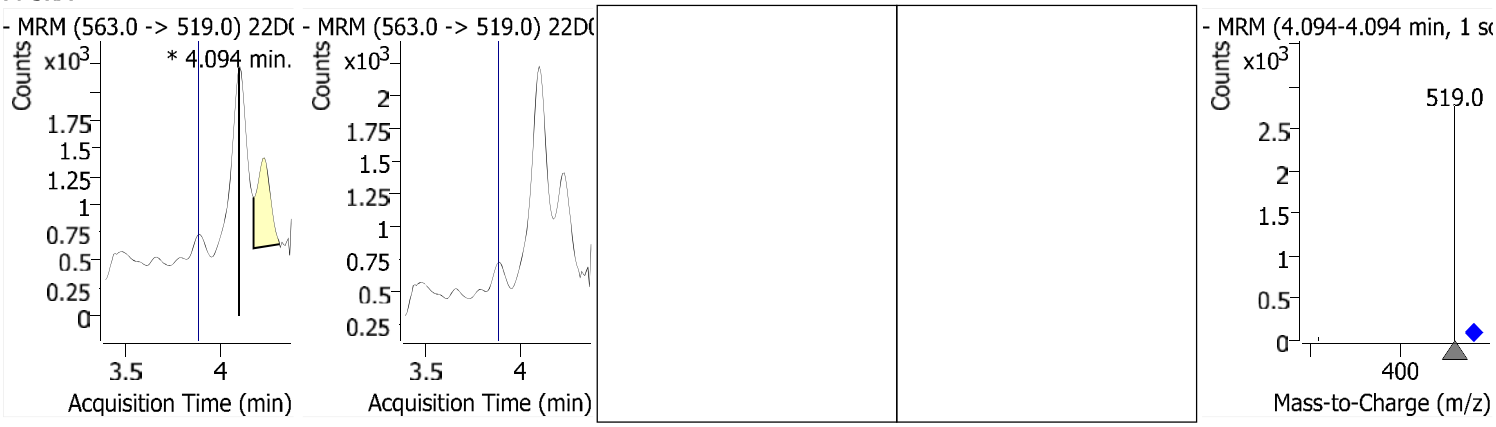
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 s(
Counts
x10^3
519.0
Mass-to-Charge (m/z)

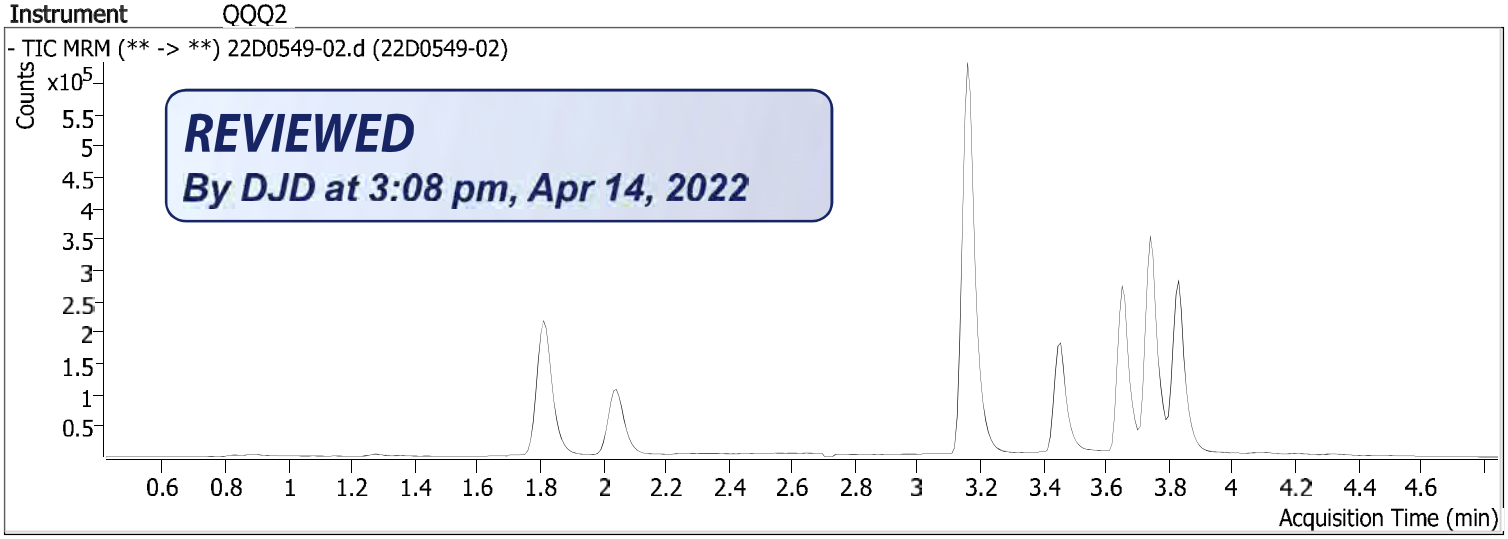
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-02	File ID:	22D0549-02.d
Sampled:	04/06/22 09:15	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:17
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	254.22 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

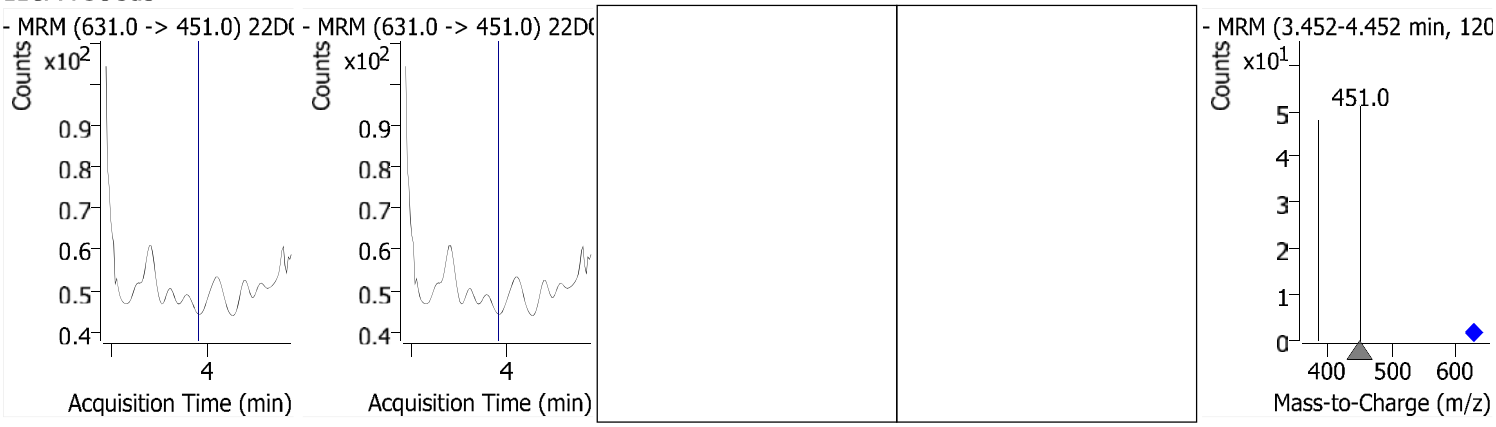
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.76	2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.87	2.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.64	2.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.67	2.0	
335-67-1	Perfluorooctanoic acid (PFOA)		0.92	2.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.85	2.0	
375-95-1	Perfluorononanoic acid (PFNA)		0.87	2.0	
335-76-2	Perfluorodecanoic acid (PFDA)		0.72	2.0	
2991-50-6	N-EtFOSAA		0.68	2.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.67	2.0	
2355-31-9	N-MeFOSAA		0.64	2.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.61	2.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.58	2.0	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.51	2.0	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.87	2.0	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.75	2.0	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.90	2.0	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.81	2.0	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:17 PM	Data File	22D0549-02.d
Sample Type	Sample	Sample Name	22D0549-02
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

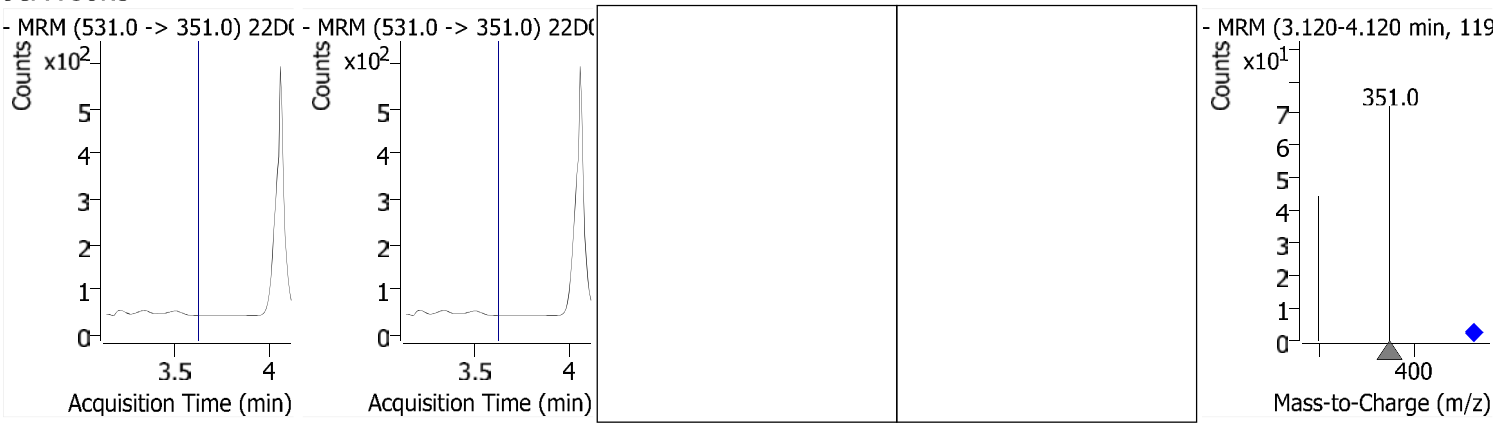


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	343965	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	343965	ND	pg/ml			
ADONA			PFOA C13	3.162	919162	ND	pg/ml			
d5-N-EtFOSAA	3.831	722376	d3-N-MeFOSAA	3.741	891709	34995.4121	pg/ml			
HFPO-DA	2.214	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	891709	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	891709	ND	pg/ml			
PFBS			PFOS C13	3.458	343965	ND	pg/ml			
PFDA C13	3.653	694593	PFOA C13	3.162	919162	8765.5415	pg/ml			
PFDA	3.768	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.215	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	919162	ND	pg/ml			
PFHxA C13	1.813	744549	PFOA C13	3.162	919162	8852.4708	pg/ml			
PFHxA			PFOA C13	3.162	919162	ND	pg/ml			
PFHxS			PFOS C13	3.458	343965	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.428	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	343965	ND	pg/ml			
M3HFPO-DA	2.040	73273	PFOA C13	3.162	919162	8565.9070	pg/ml			
PFTA	4.099	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.772	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.094	0	PFOA C13	3.162	919162	ND	pg/ml	✔	1	DRL 04/14/22

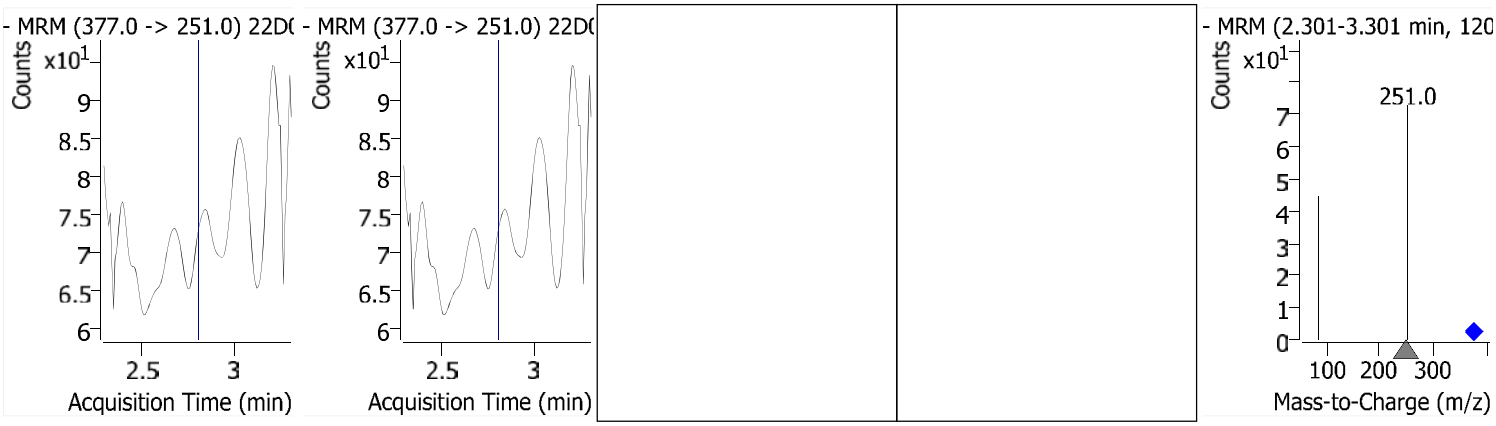
11Cl-PF3OUdS



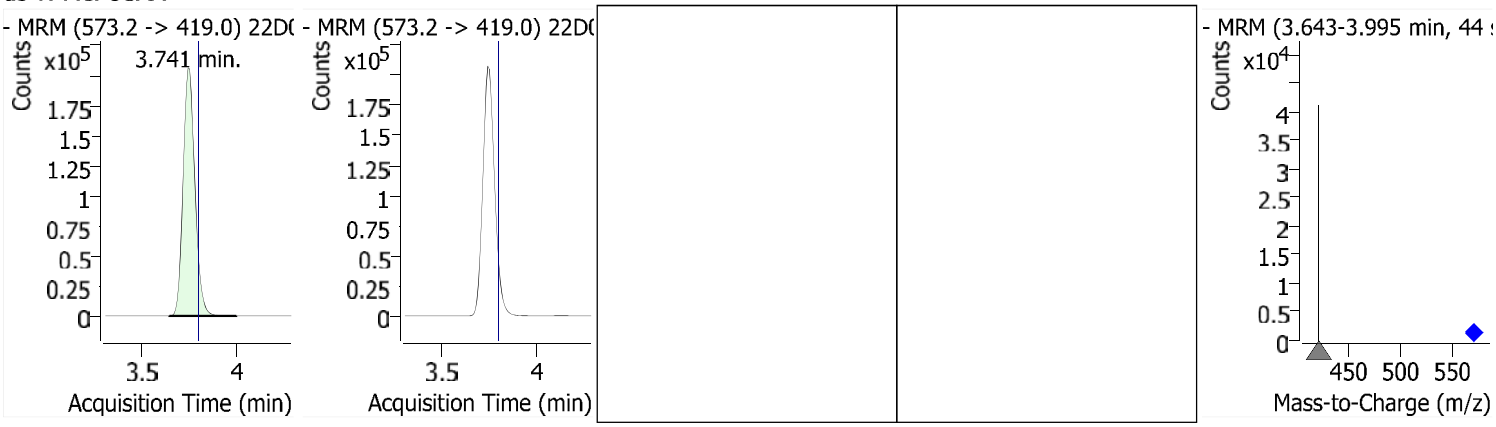
9Cl-PF3ONS



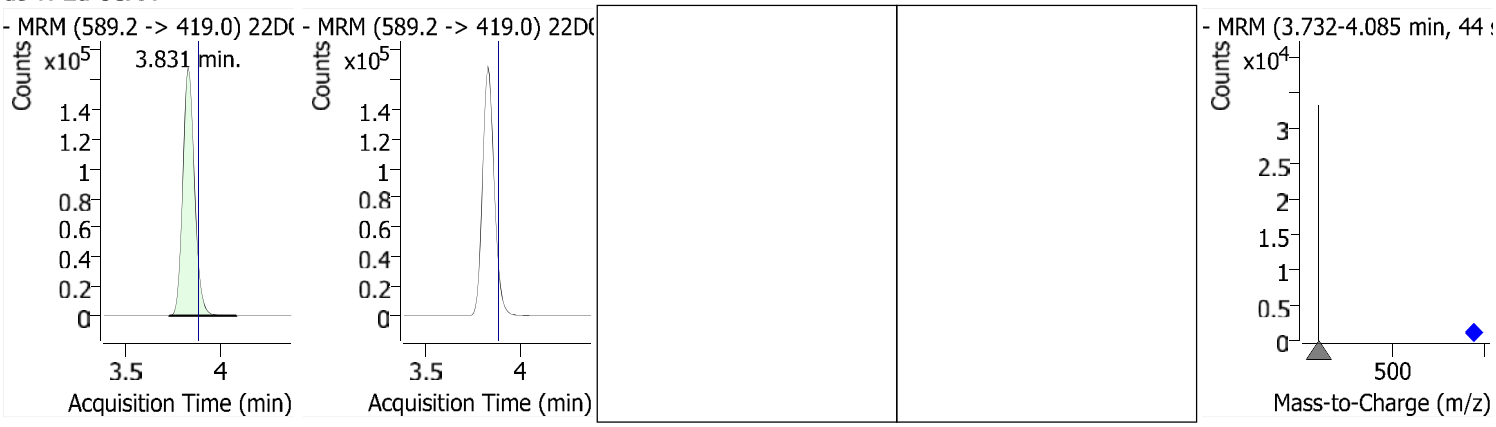
ADONA



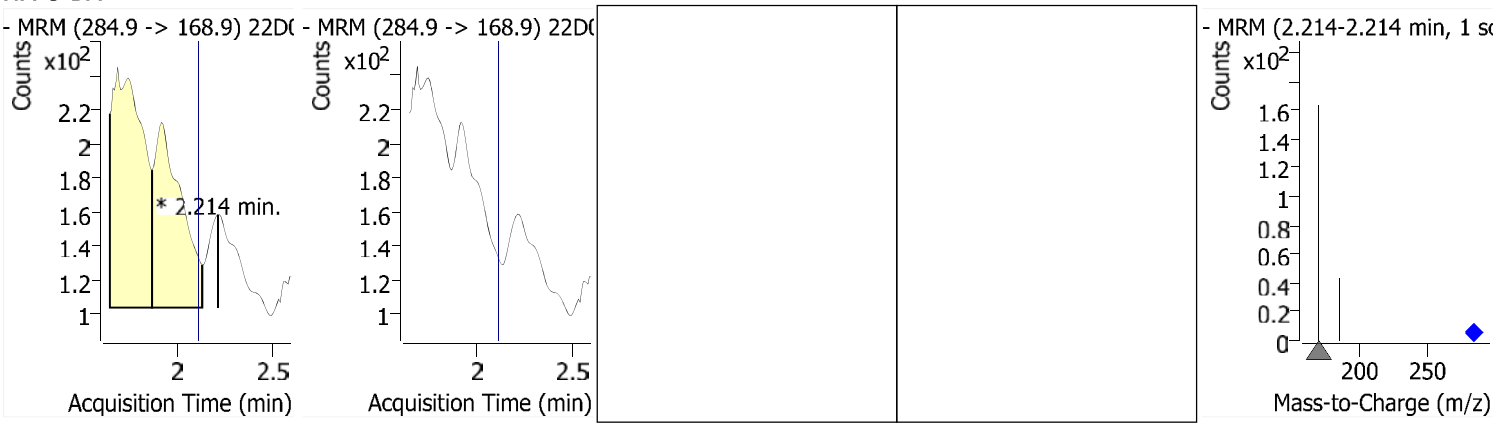
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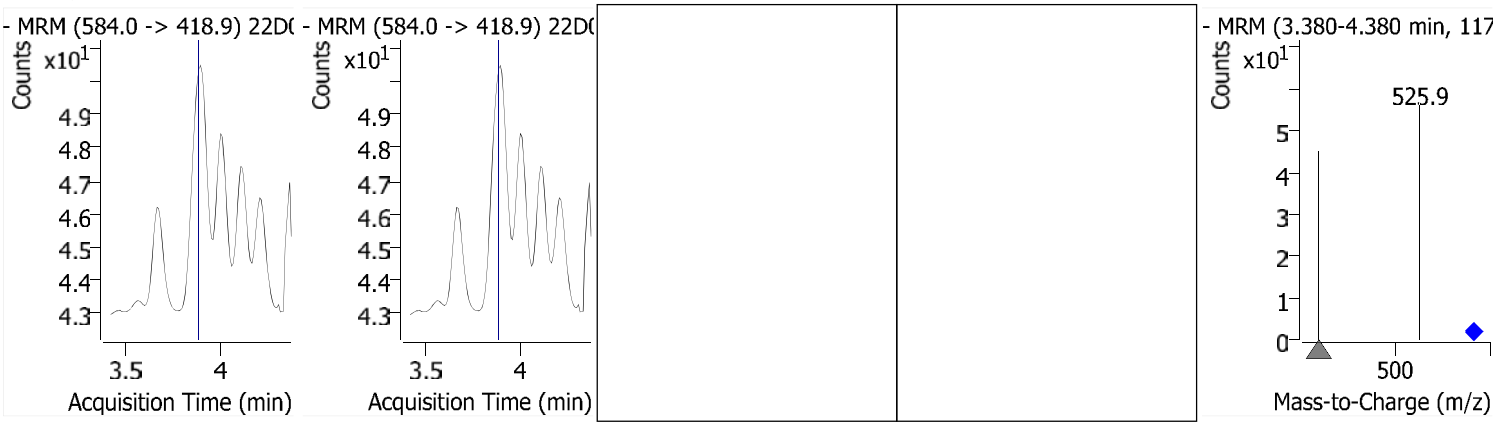
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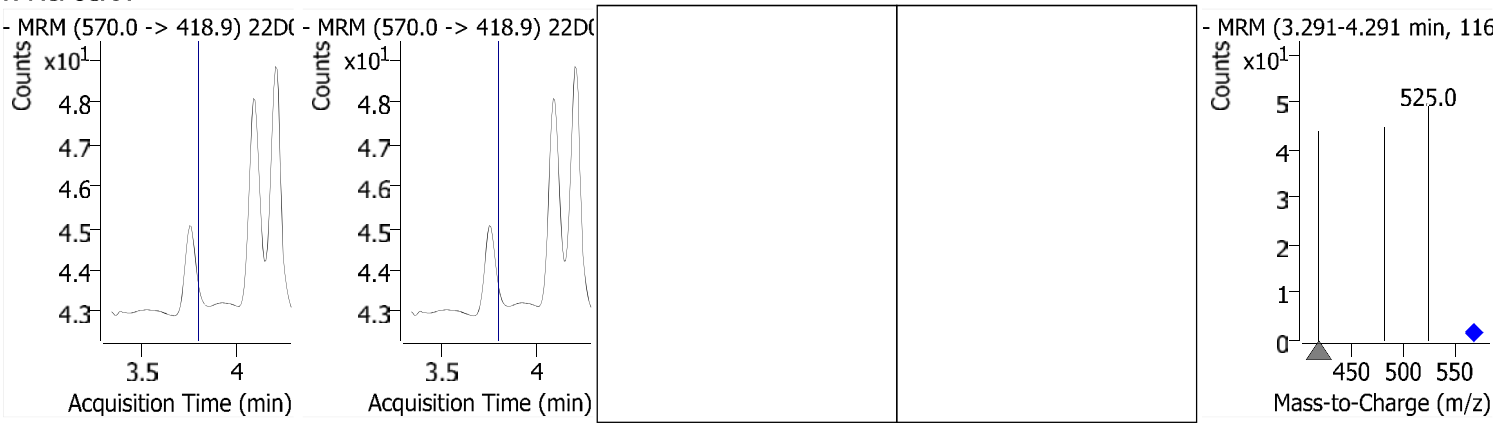
HFPO-DA



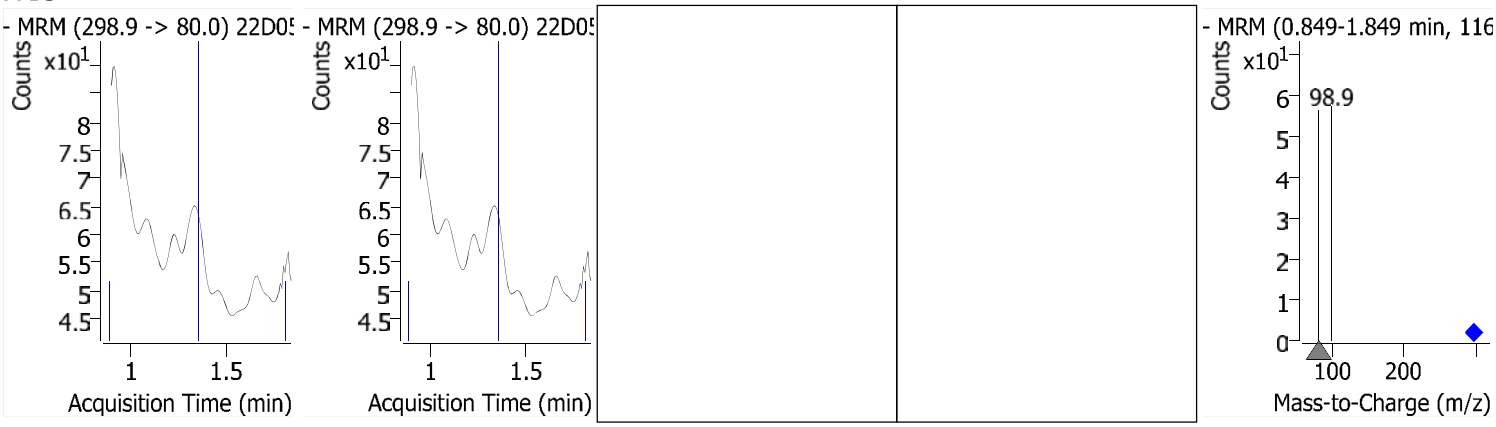
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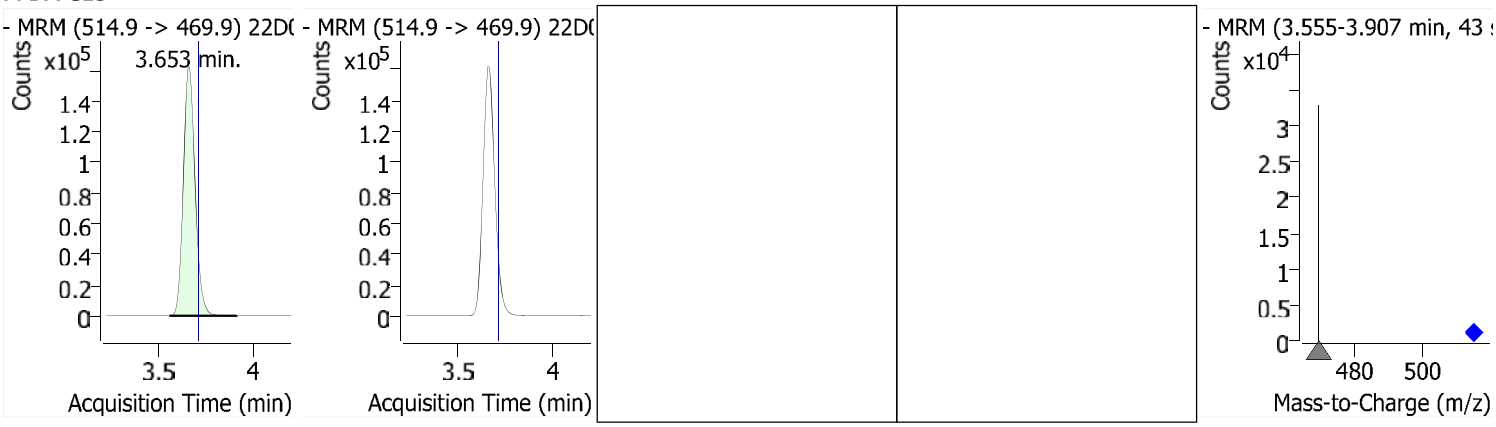
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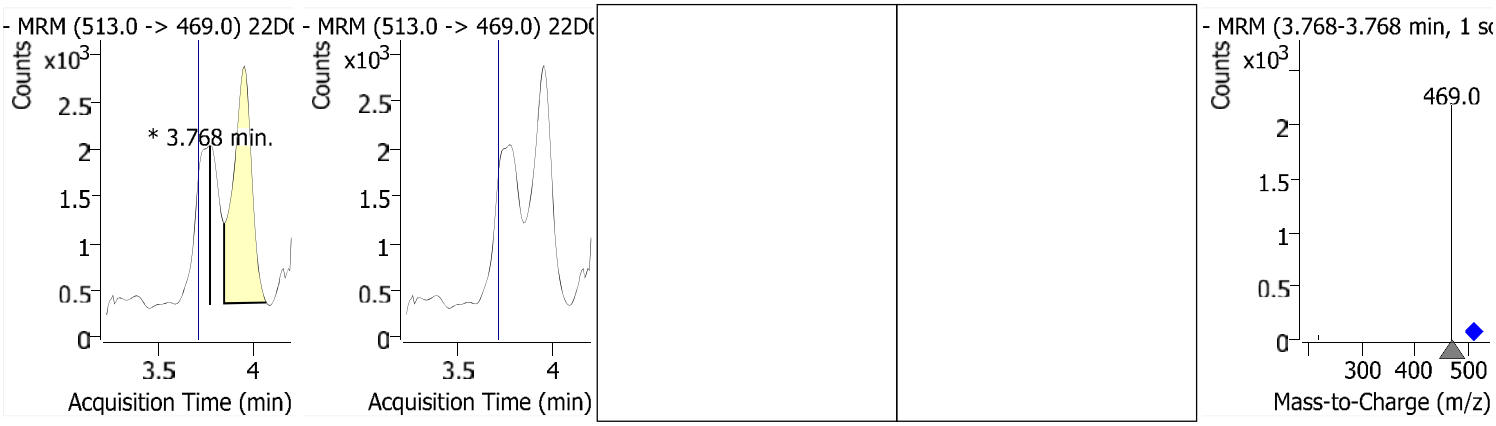
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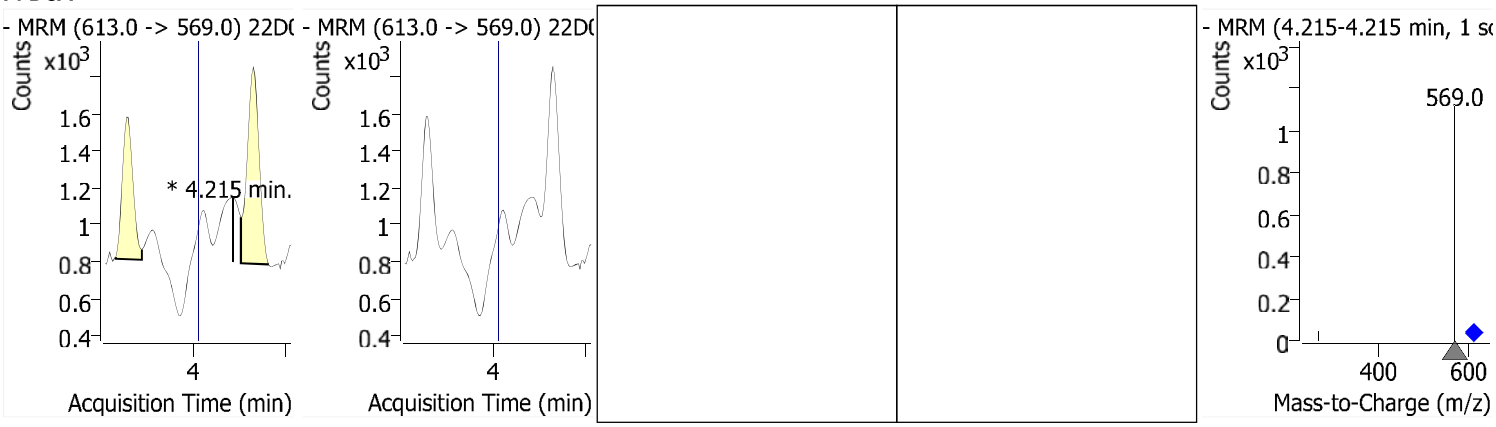
PFDA C13



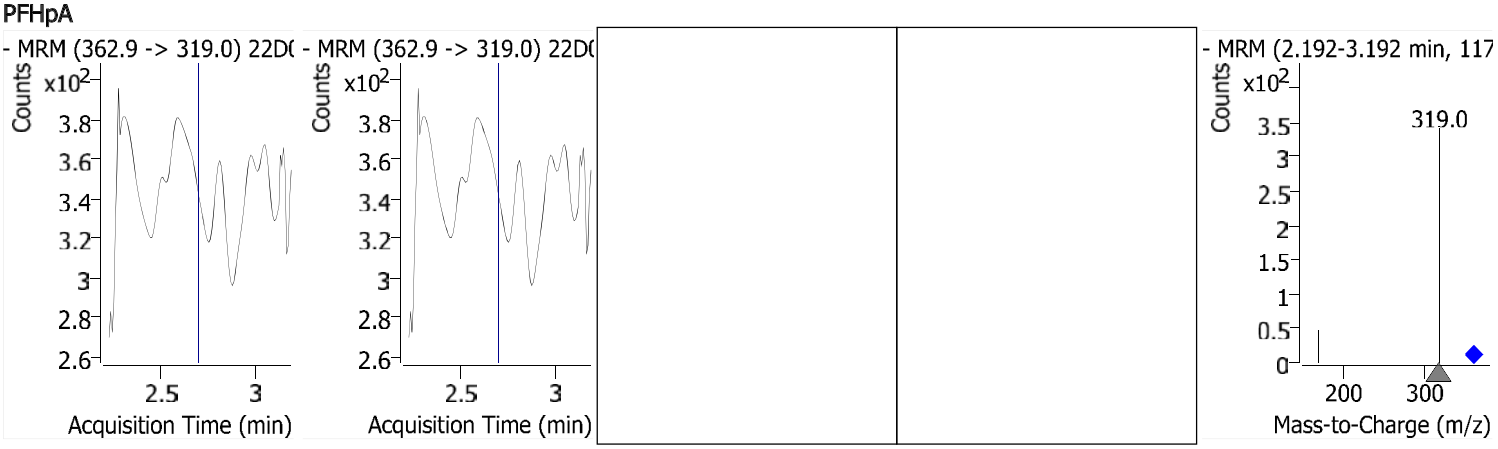
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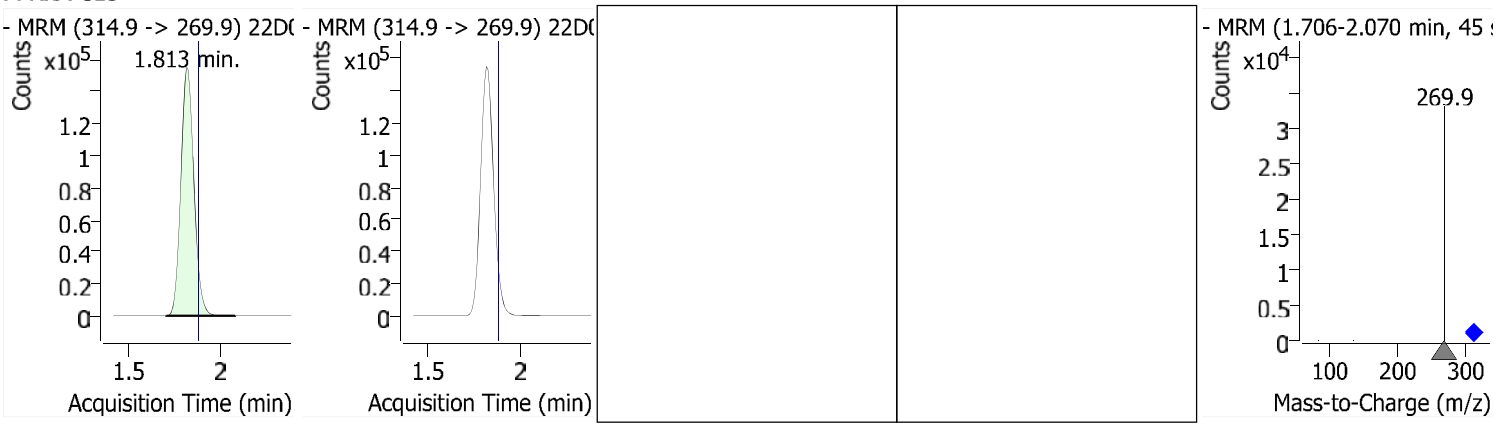
PFDoA



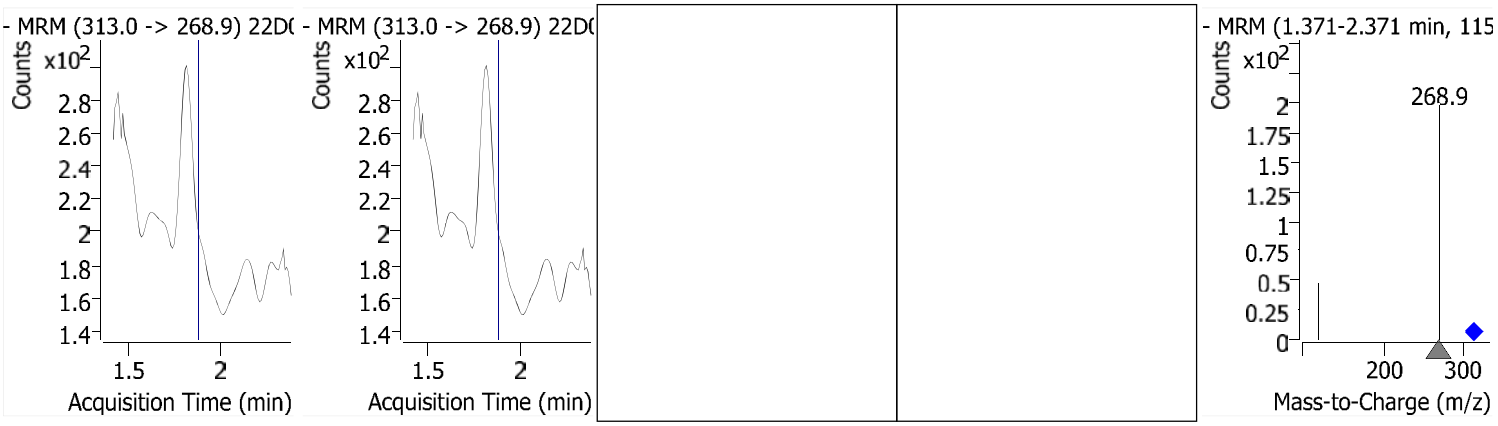
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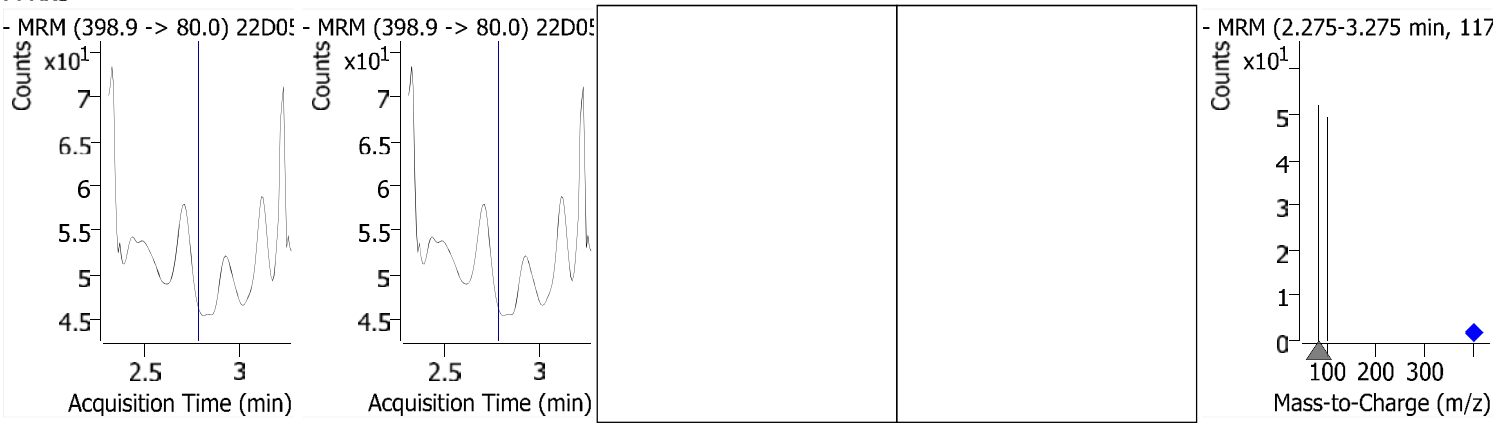
PFHxA C13



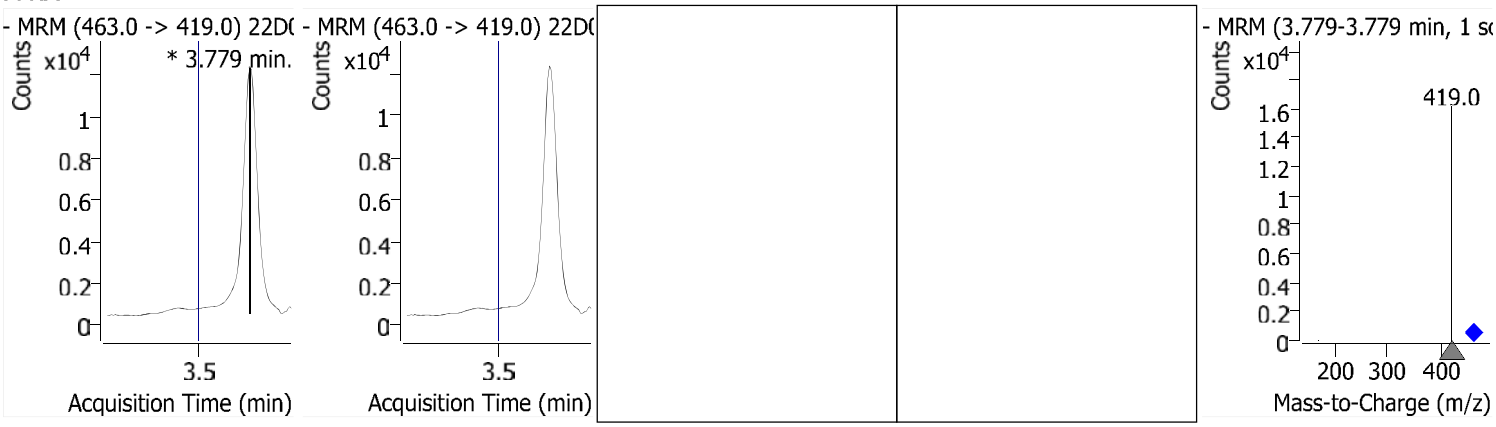
PFHxA



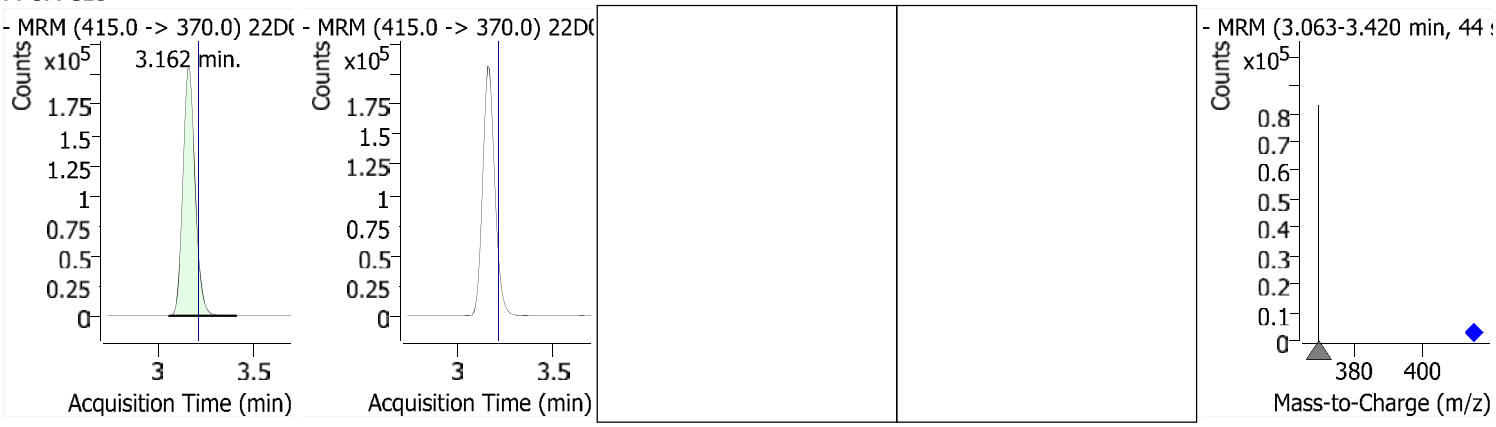
PFHxS



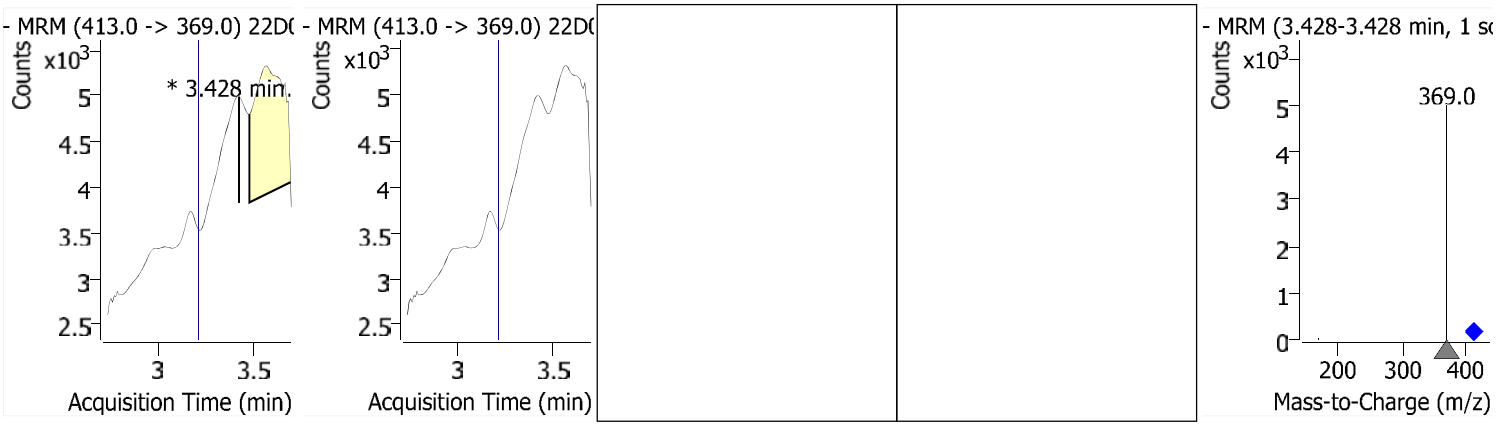
PFNA



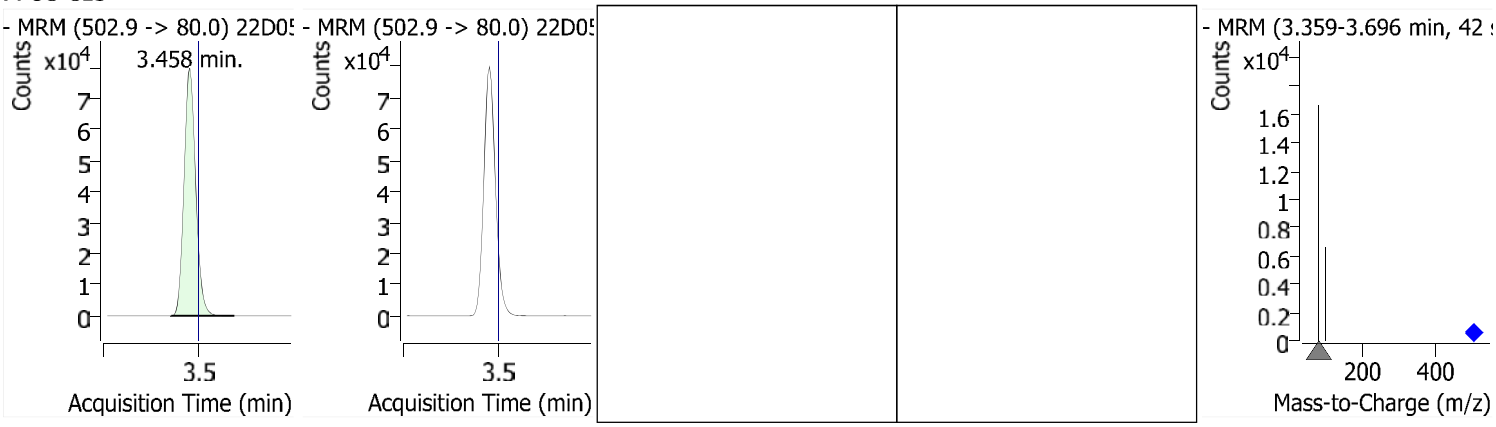
PFOA C13



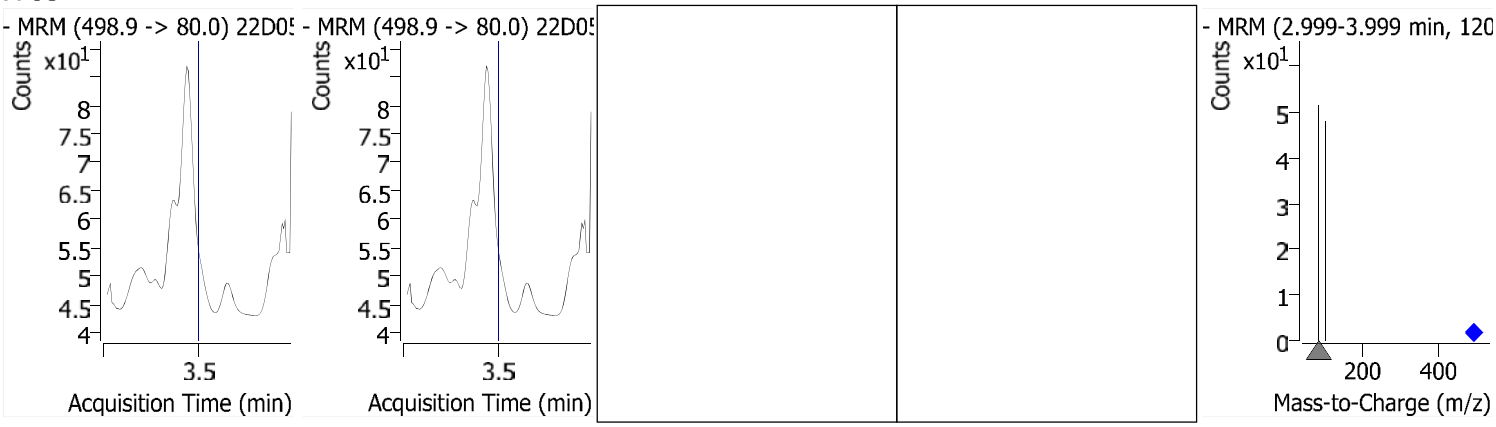
PFOA



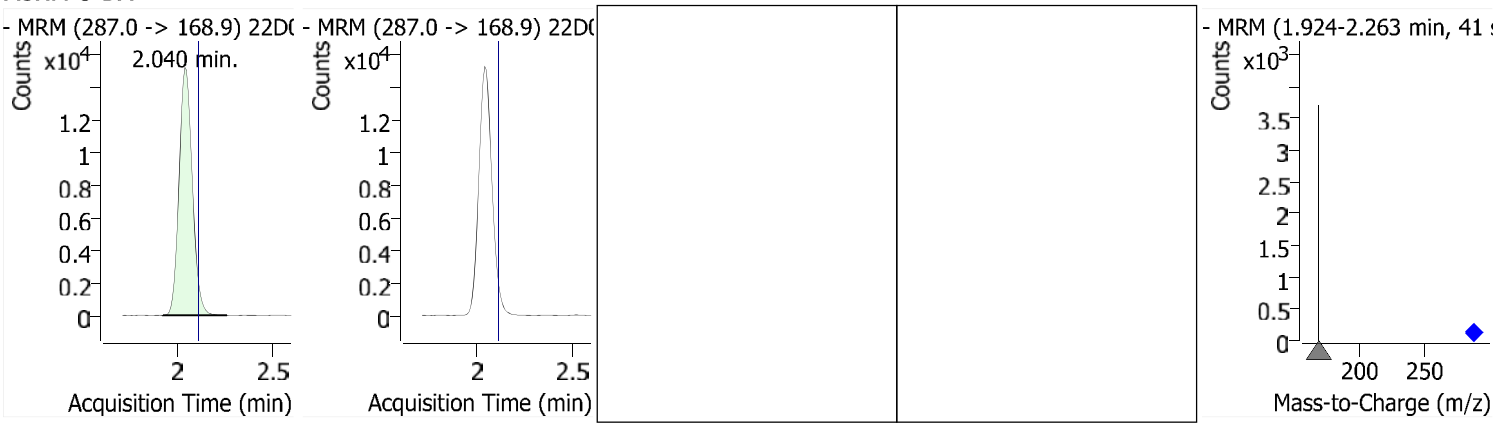
PFOS C13



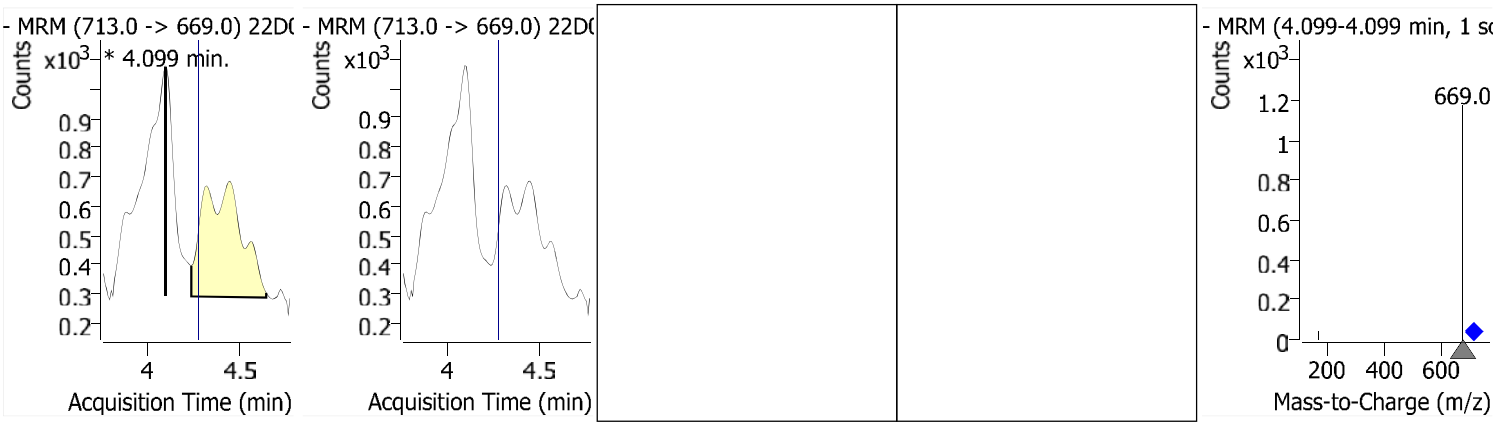
PFOS



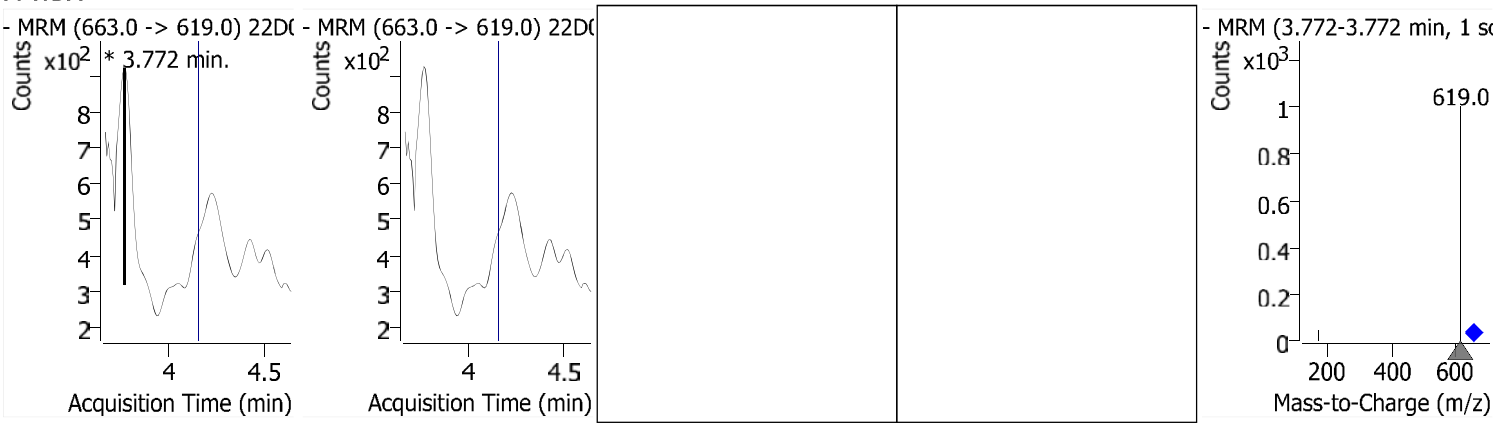
M3HFPO-DA



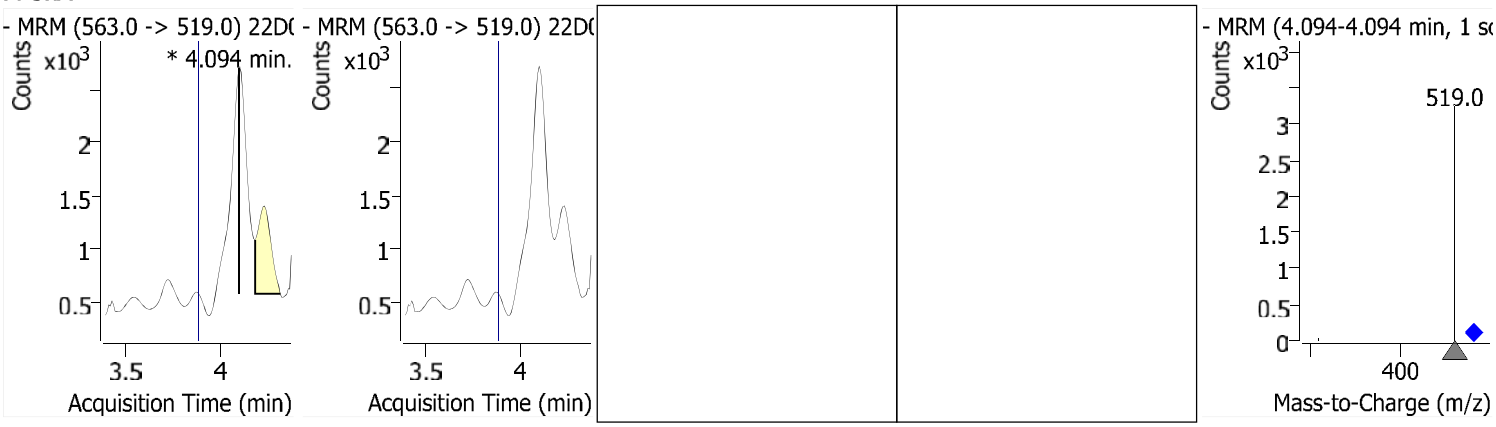
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 sc
Counts
x10^3
519.0
Mass-to-Charge (m/z)

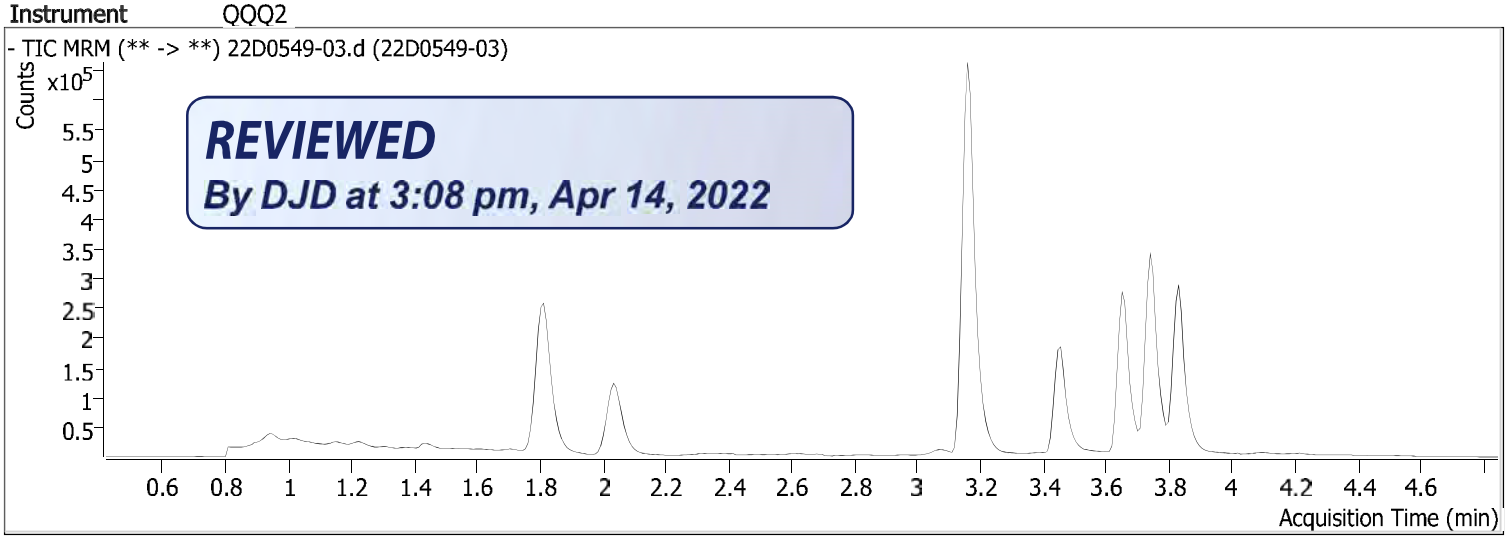
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-113S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-03	File ID:	22D0549-03.d
Sampled:	04/06/22 17:23	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:24
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	267.61 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

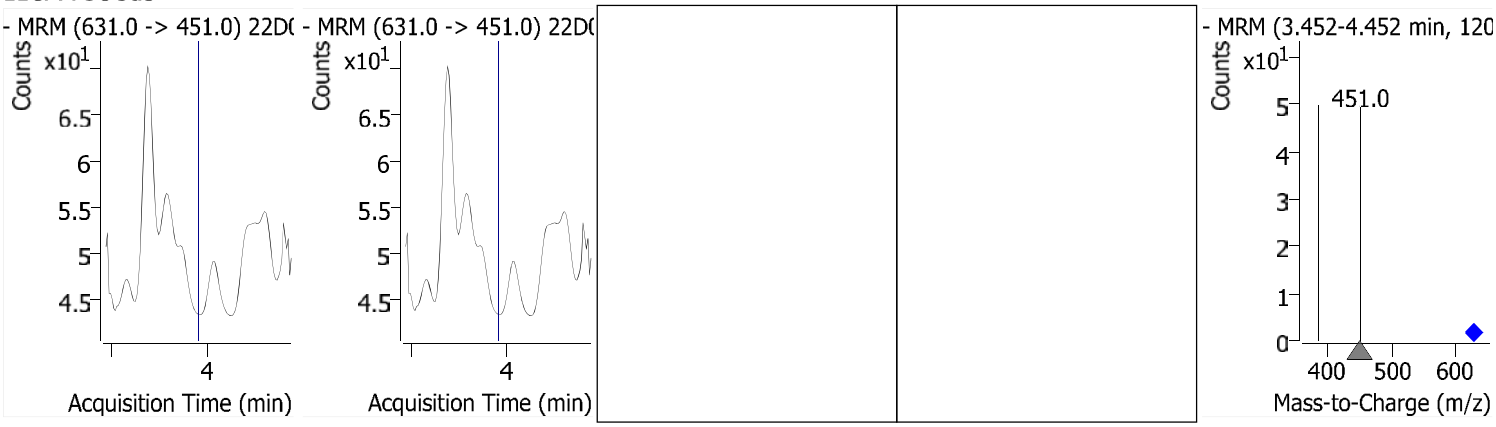
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.0	0.72	1.9	J
307-24-4	Perfluorohexanoic acid (PFHxA)	1.8	0.83	1.9	J
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.1	0.61	1.9	J
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.69	0.63	1.9	J
335-67-1	Perfluorooctanoic acid (PFOA)	4.9	0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.55	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.82	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.71	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:24 PM	Data File	22D0549-03.d
Sample Type	Sample	Sample Name	22D0549-03
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

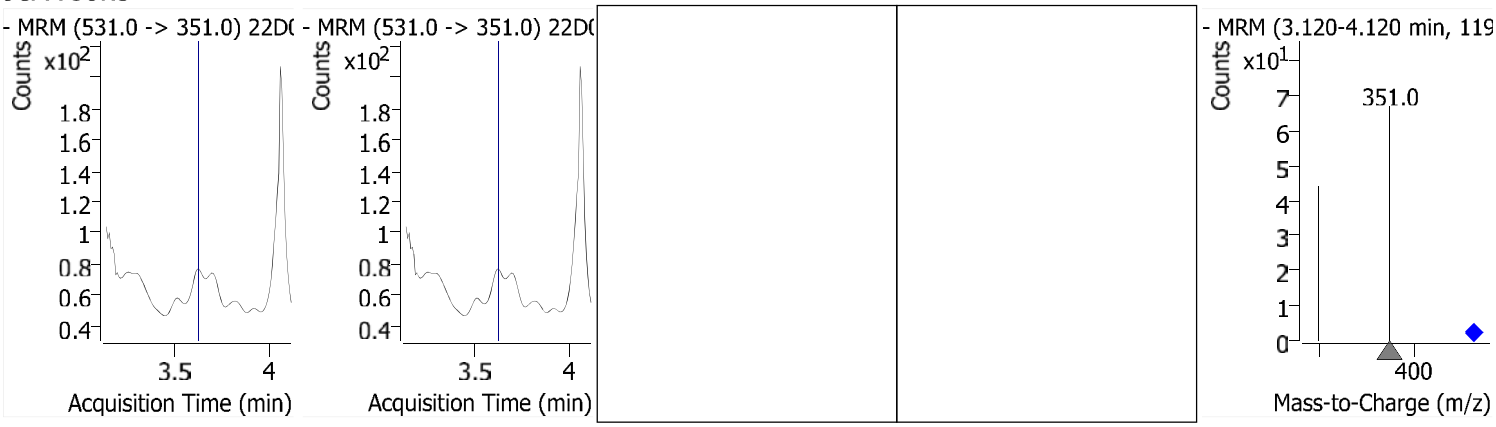


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	347754	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	347754	ND	pg/ml			
ADONA			PFOA C13	3.162	914434	ND	pg/ml			
d5-N-EtFOSAA	3.831	734348	d3-N-MeFOSAA	3.741	873031	36336.4866	pg/ml			
HFPO-DA			PFOA C13	3.162	914434	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	873031	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	873031	ND	pg/ml			
PFBS	1.308	5971	PFOS C13	3.458	347754	271.3466	pg/ml	✔	3	DRL 04/14/22
PFDA C13	3.653	705166	PFOA C13	3.162	914434	8944.9827	pg/ml			
PFDA	3.785	0	PFOA C13	3.162	914434	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	3.666	0	PFOA C13	3.162	914434	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA	2.617	7196	PFOA C13	3.162	914434	184.5937	pg/ml	✔	3	DRL 04/14/22
PFHxA C13	1.813	840931	PFOA C13	3.162	914434	10050.1269	pg/ml			
PFHxA	1.822	30716	PFOA C13	3.162	914434	478.3259	pg/ml	✔	3	DRL 04/14/22
PFHxS	2.697	4418	PFOS C13	3.458	347754	300.3473	pg/ml	✔	3	DRL 04/14/22
PFNA	3.779	0	PFOA C13	3.162	914434	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.163	120959	PFOA C13	3.162	914434	1303.5703	pg/ml			
PFOS	3.384	1519	PFOS C13	3.458	347754	124.8575	pg/ml	✔	3	DRL 04/14/22
M3HFPO-DA	2.040	89508	PFOA C13	3.162	914434	10517.9262	pg/ml			
PFTA	4.321	0	PFOA C13	3.162	914434	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.780	0	PFOA C13	3.162	914434	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.094	0	PFOA C13	3.162	914434	ND	pg/ml	✔	1	DRL 04/14/22

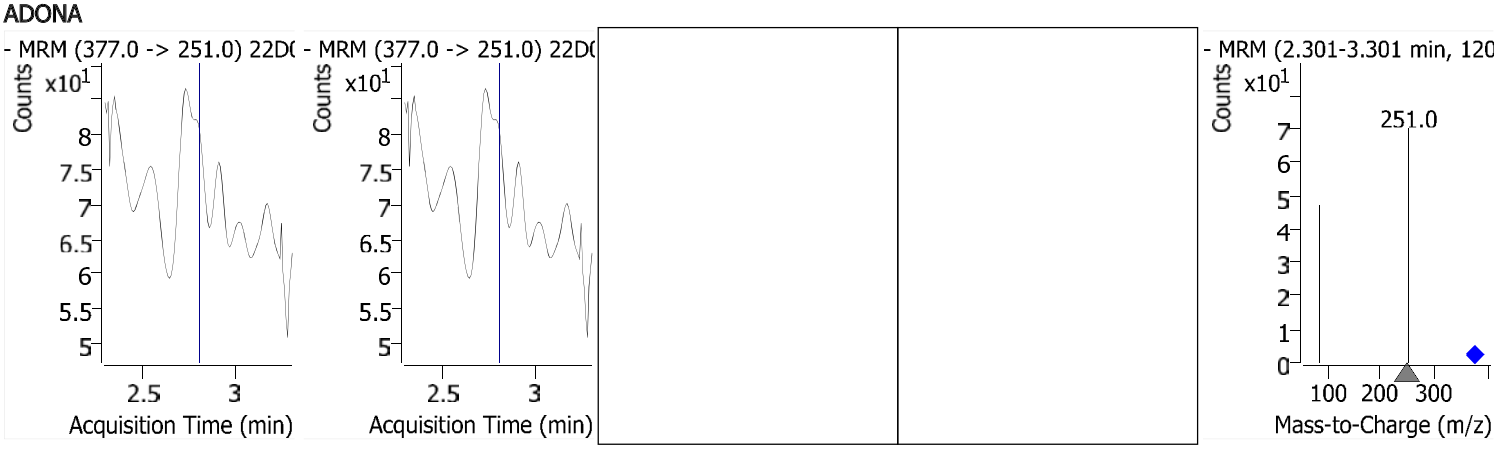
11Cl-PF3OUdS



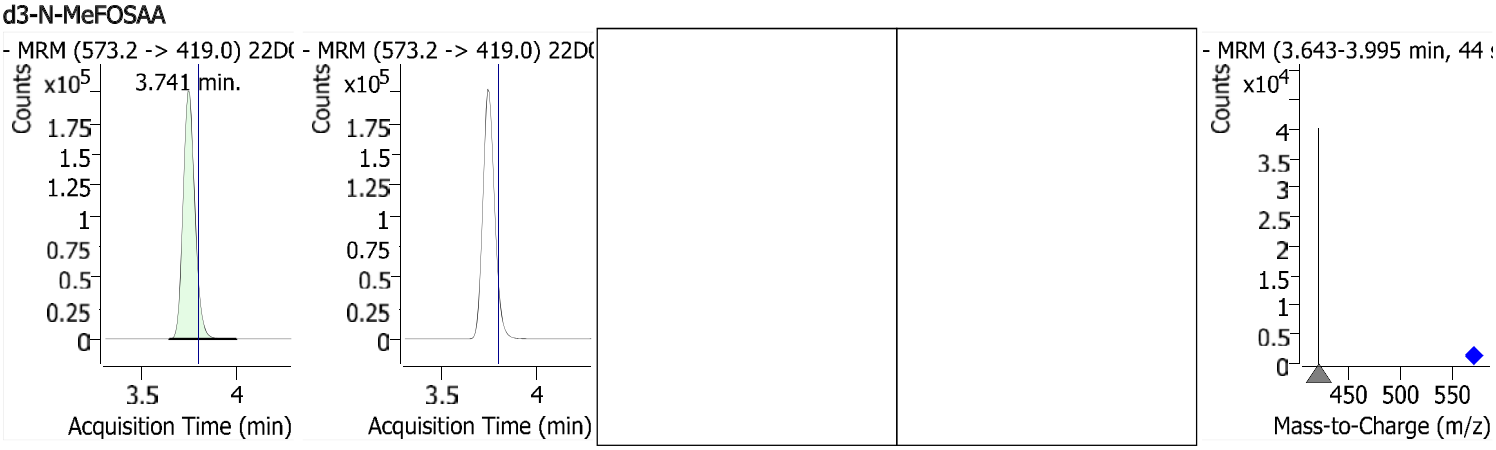
9Cl-PF3ONS



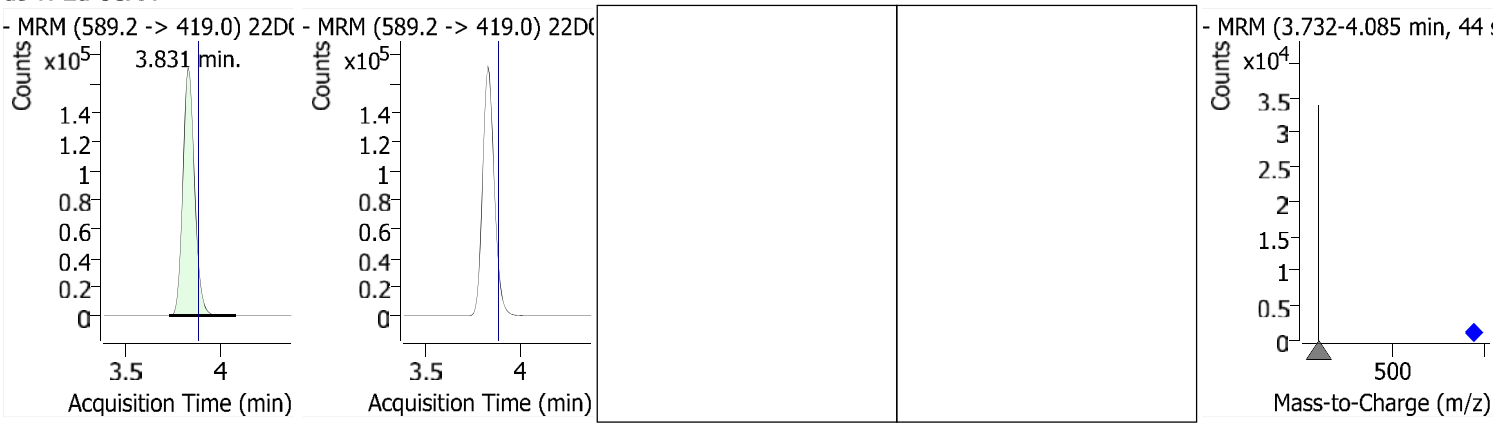
ADONA



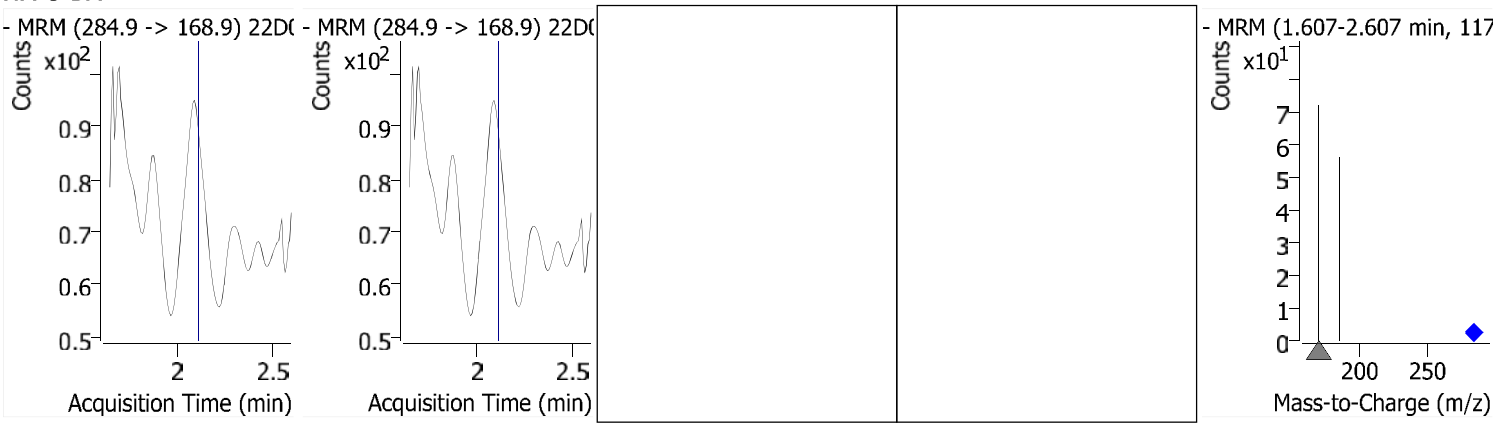
d3-N-MeFOSAA



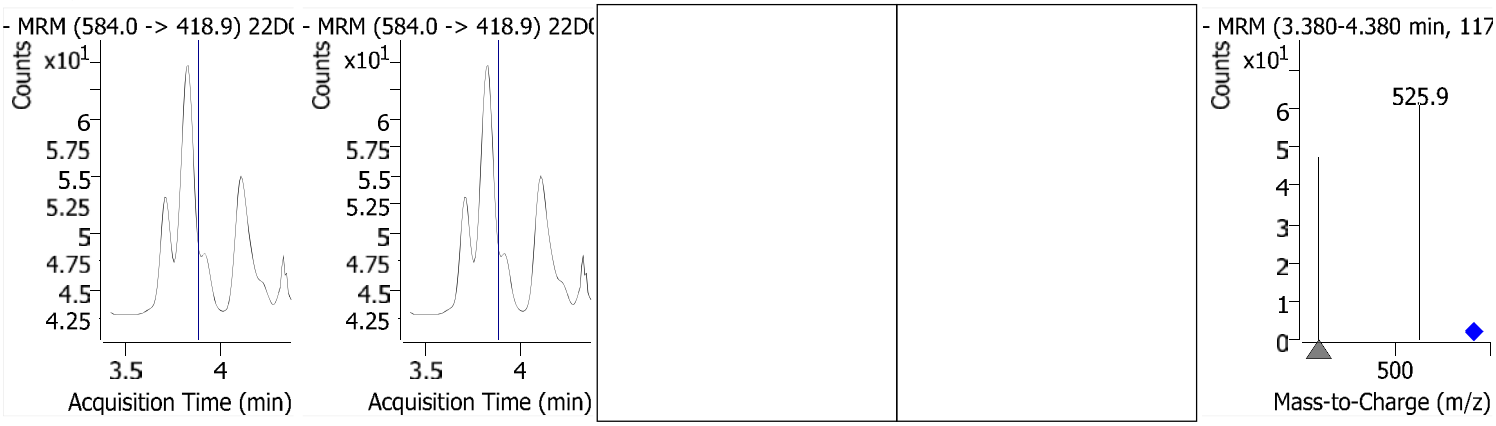
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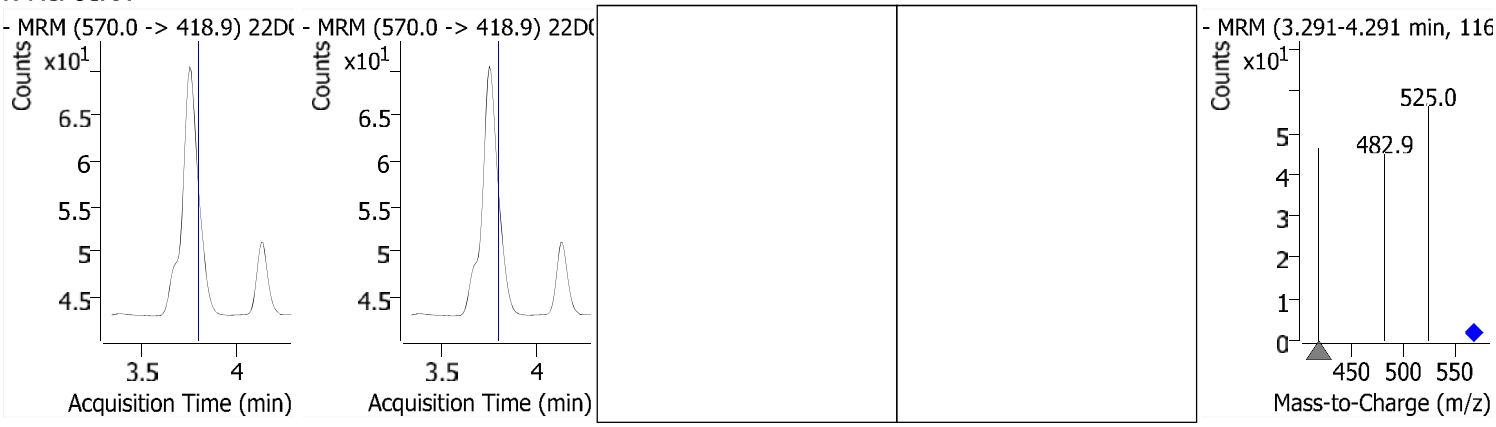
HFPO-DA



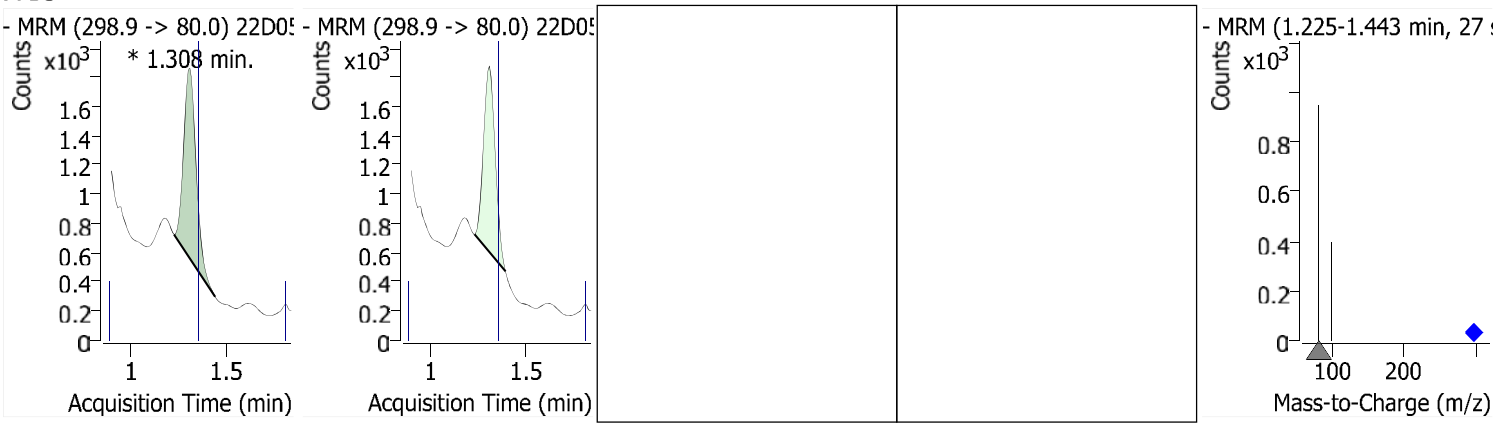
N-EtFOSAA



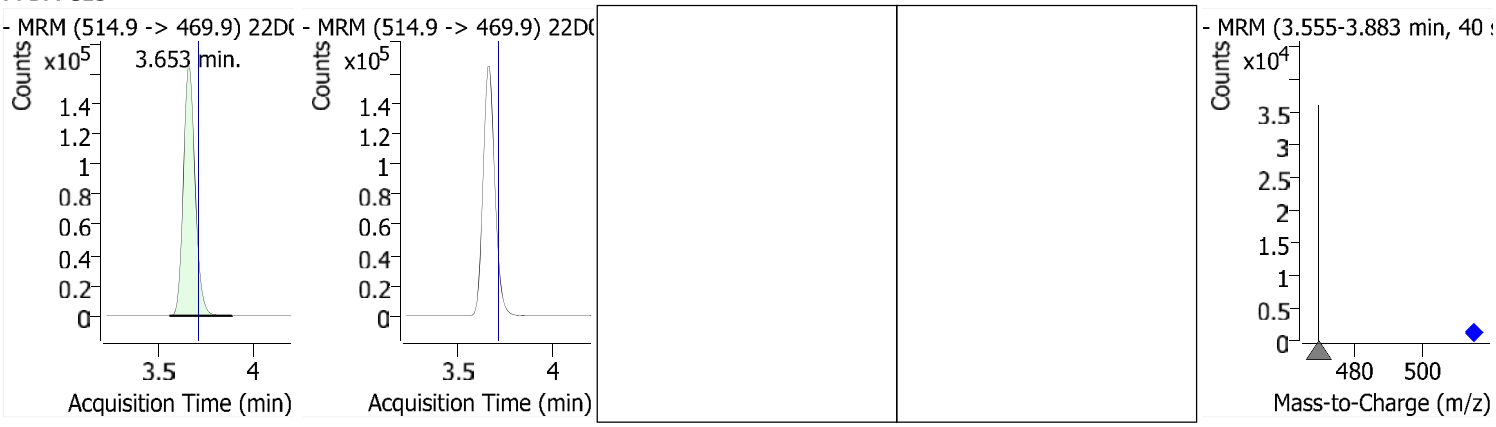
N-MeFOSAA



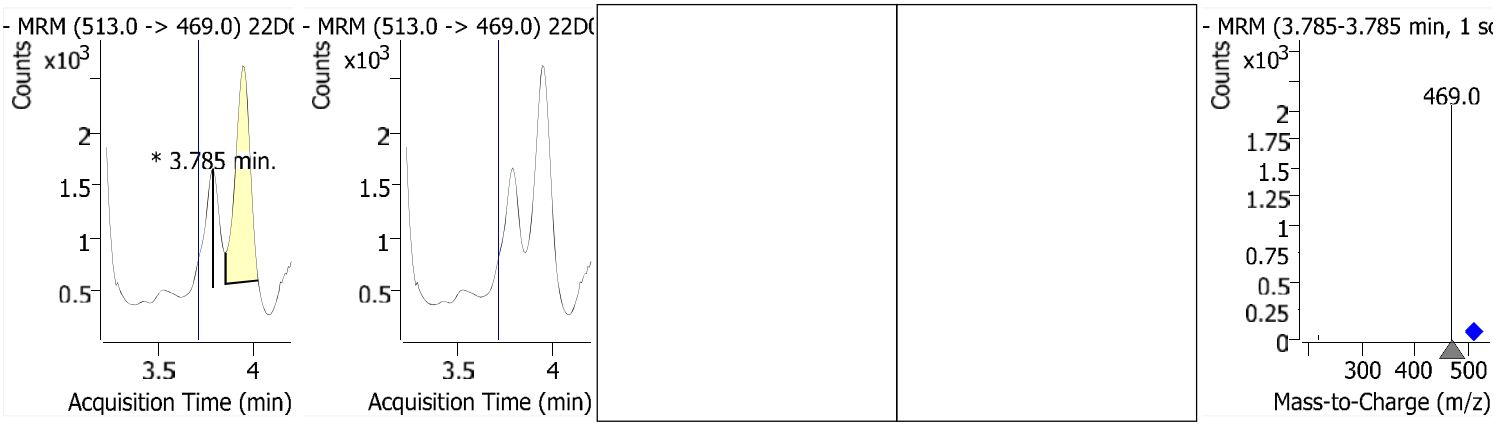
PFBS



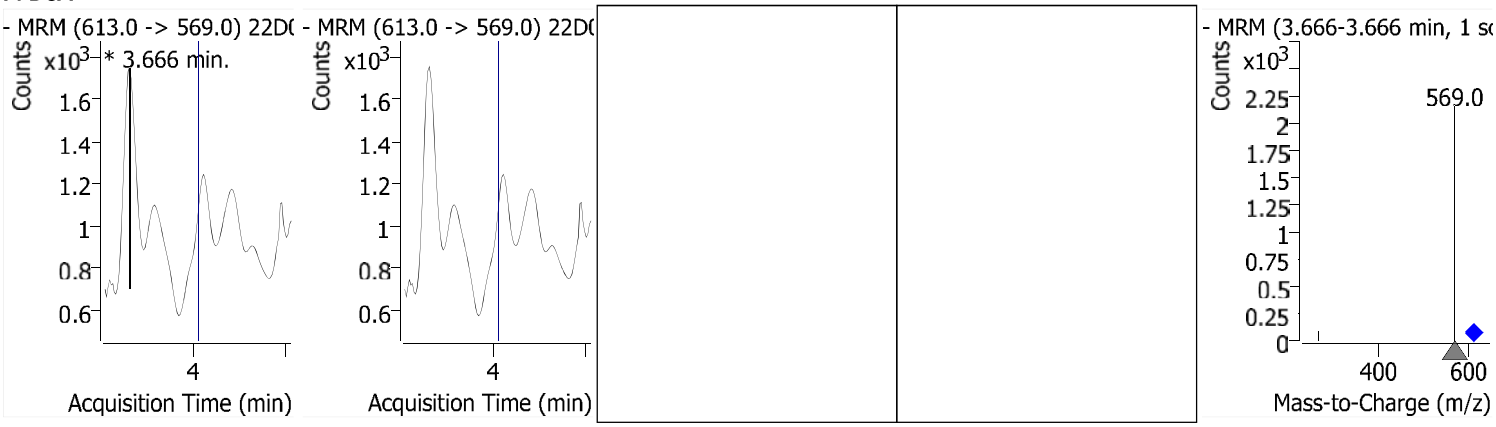
PFDA C13



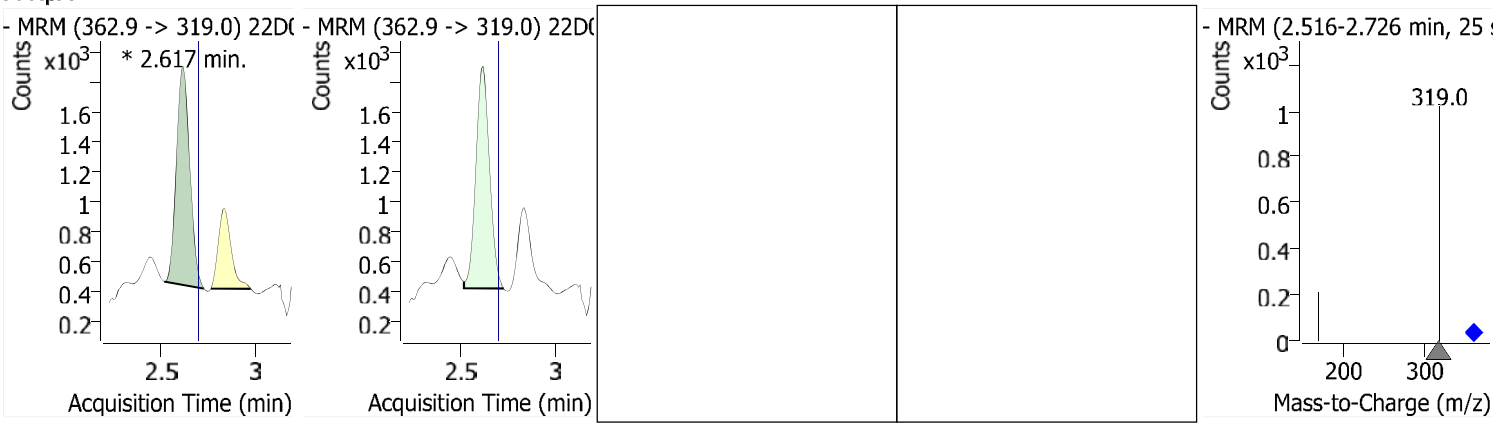
PFDA



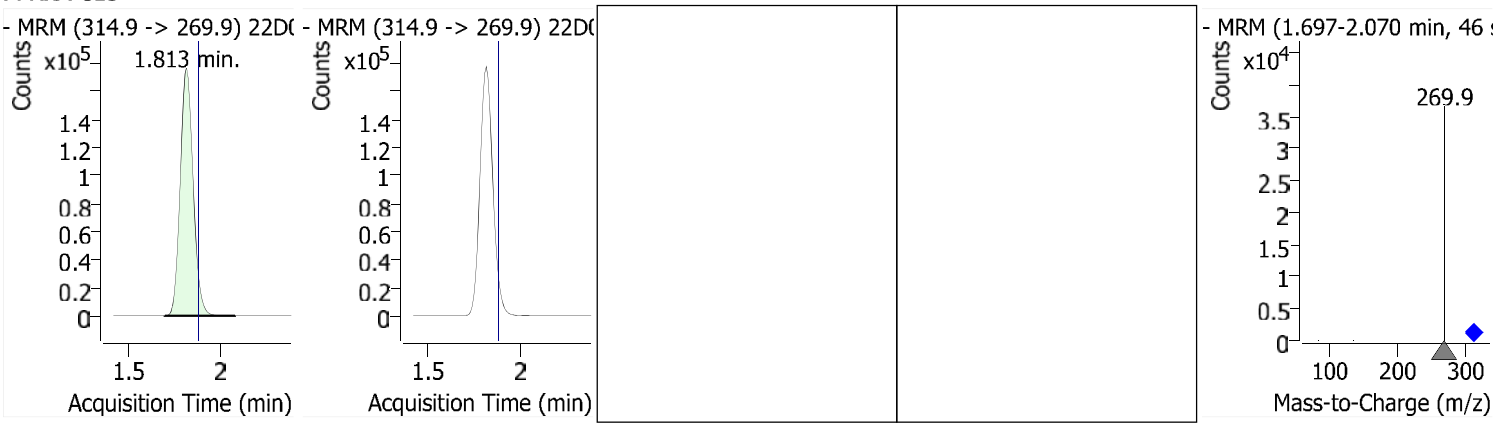
PFDoA



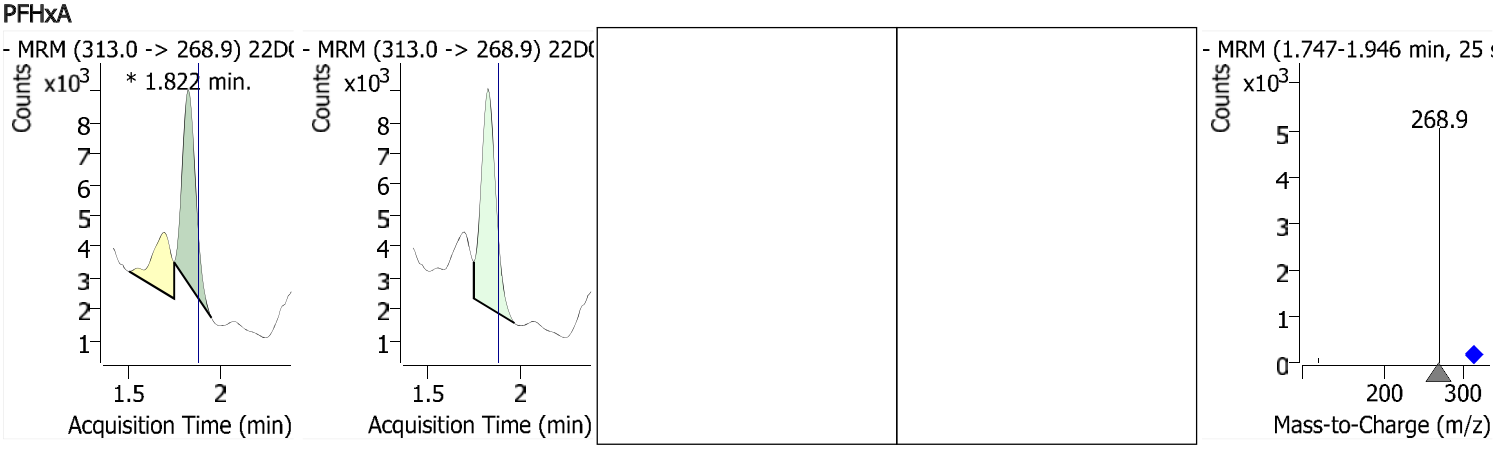
PFHpA



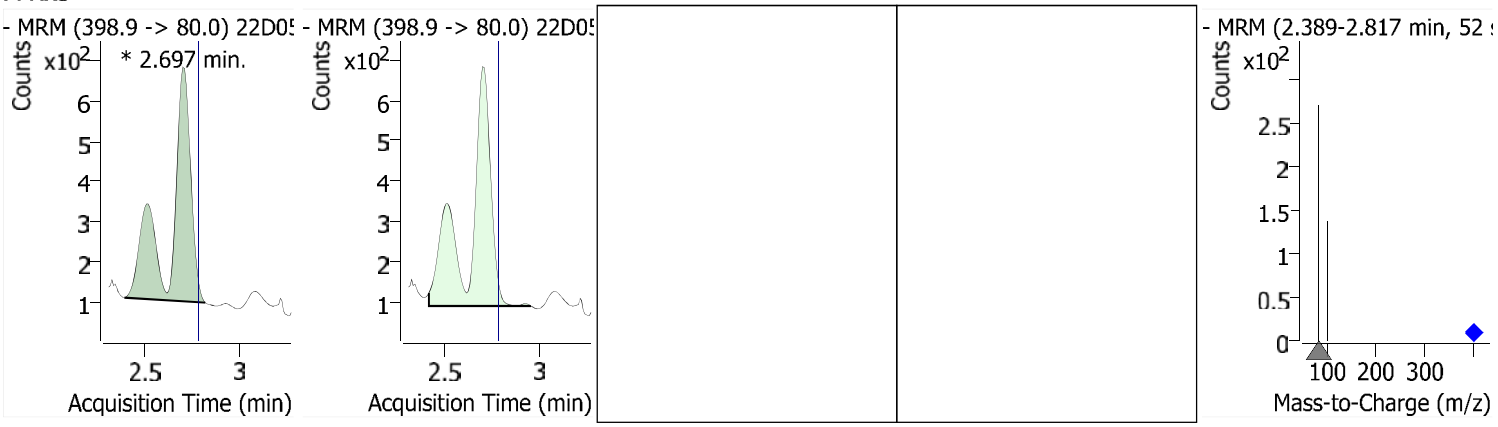
PFHxA C13



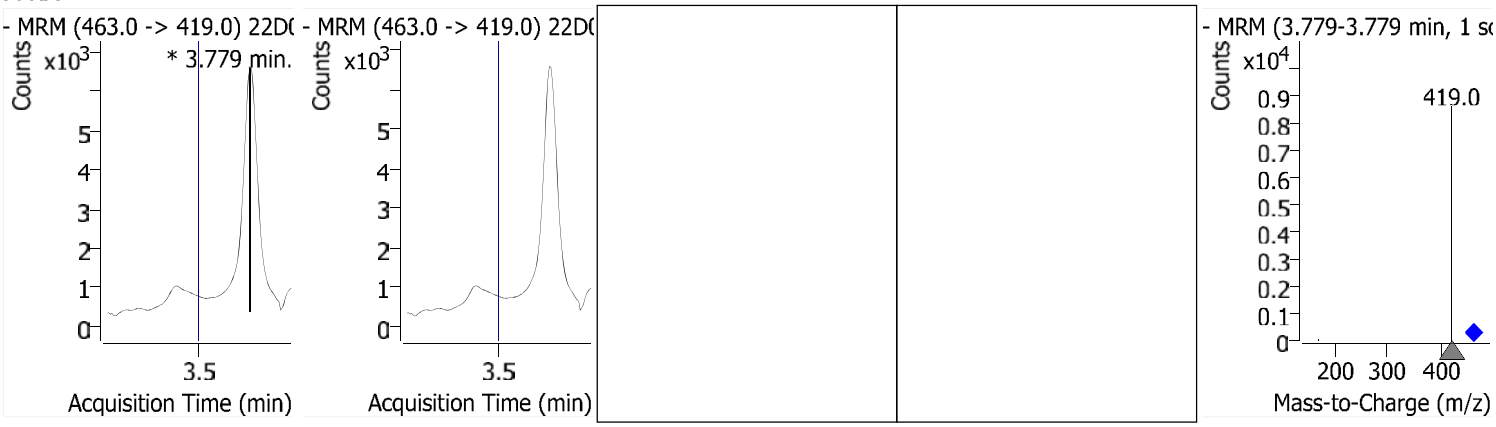
PFHxA



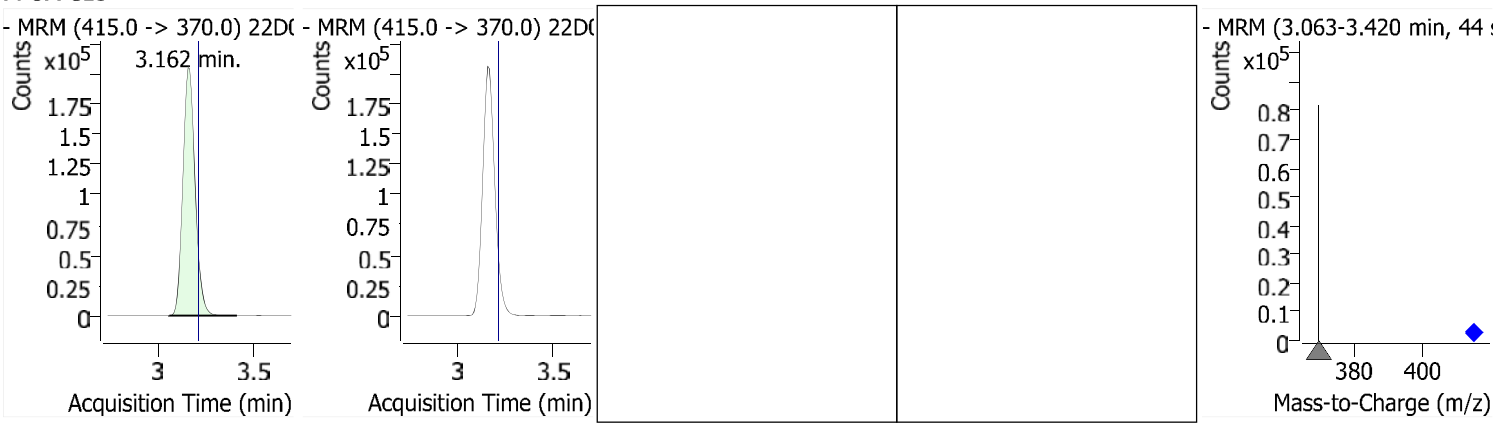
PFHxS



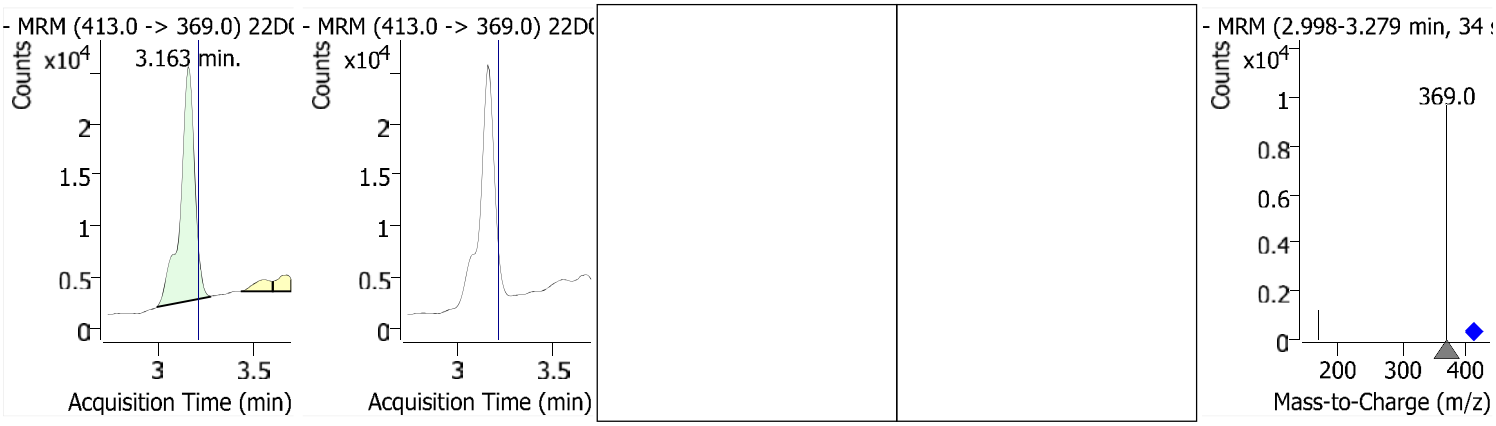
PFNA



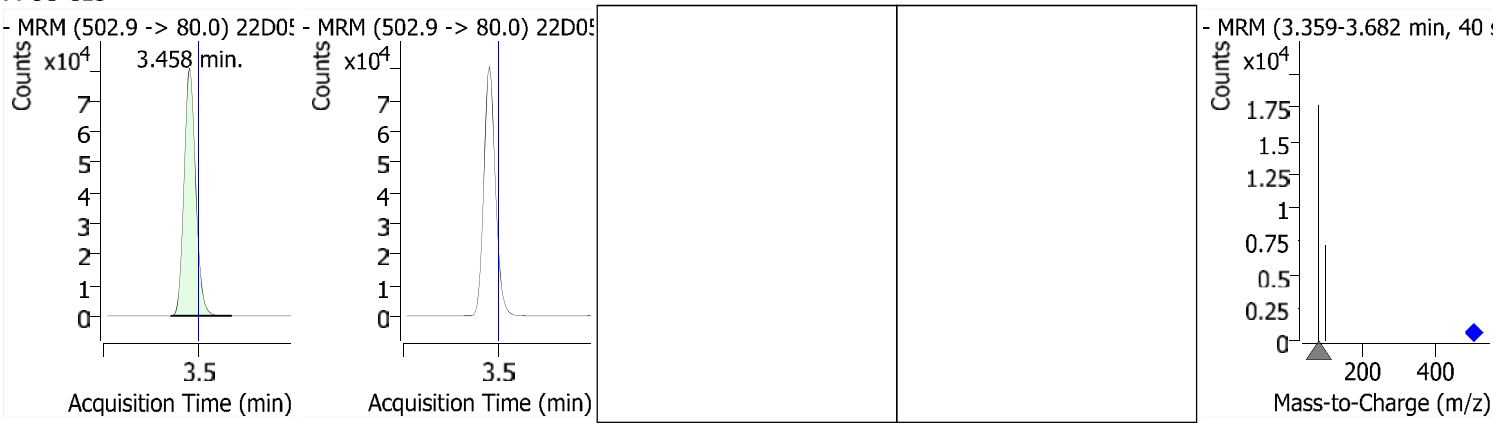
PFOA C13



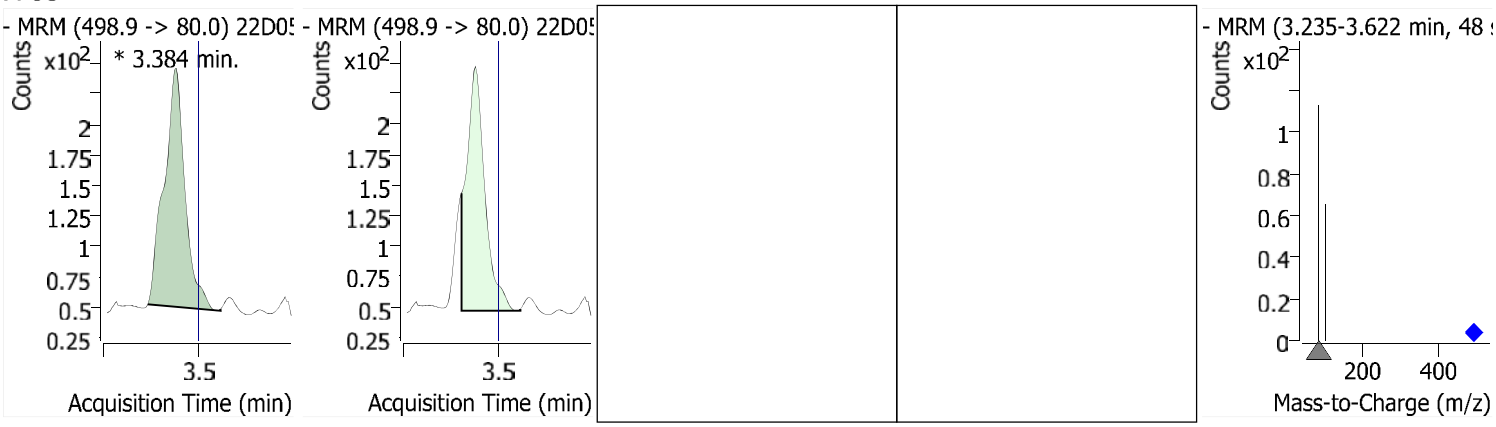
PFOA



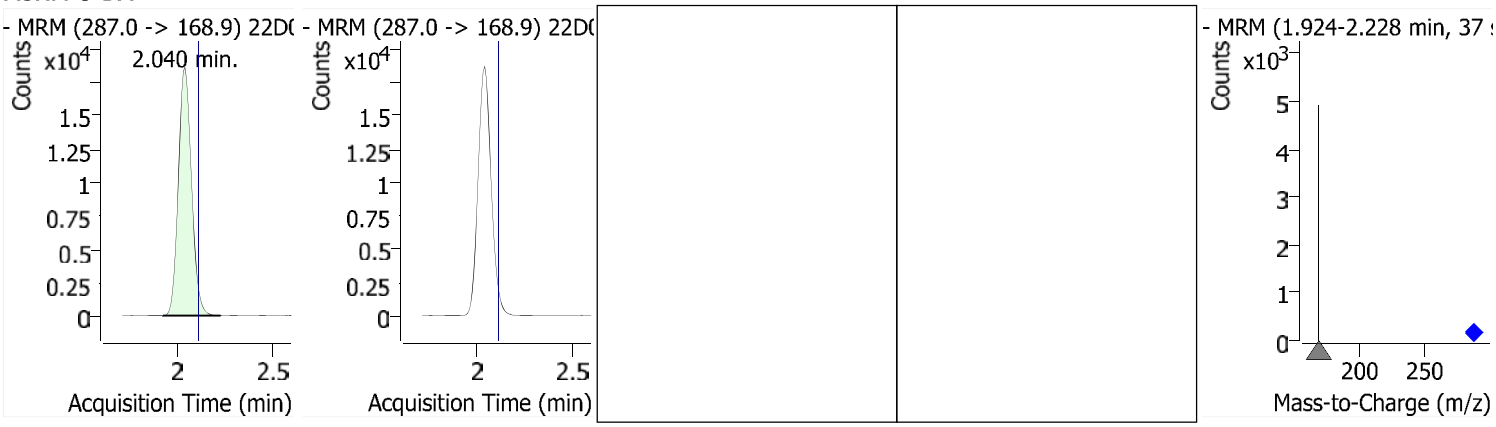
PFOS C13



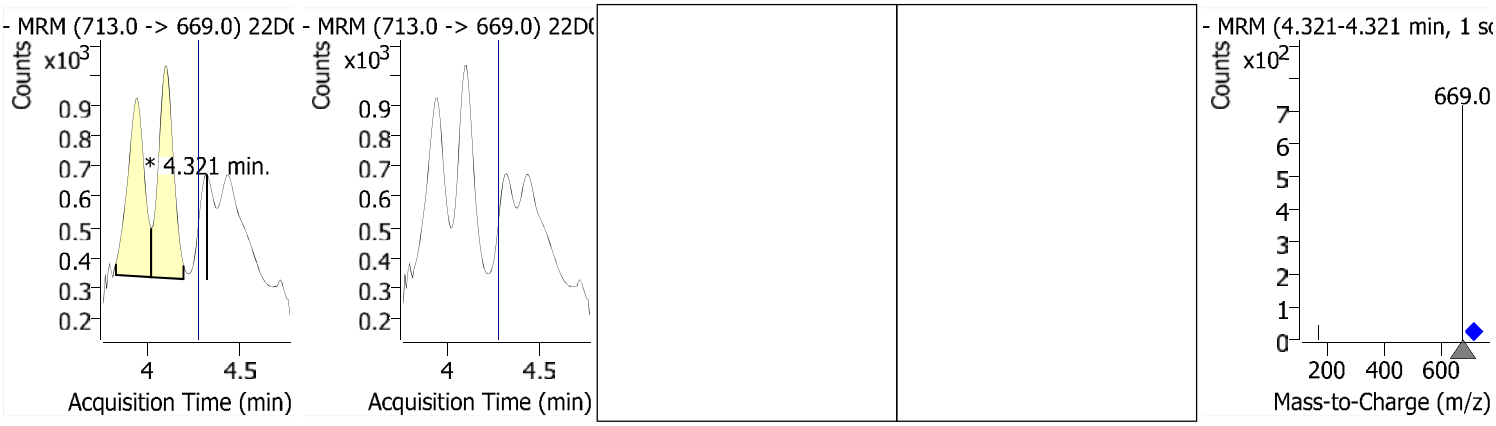
PFOS



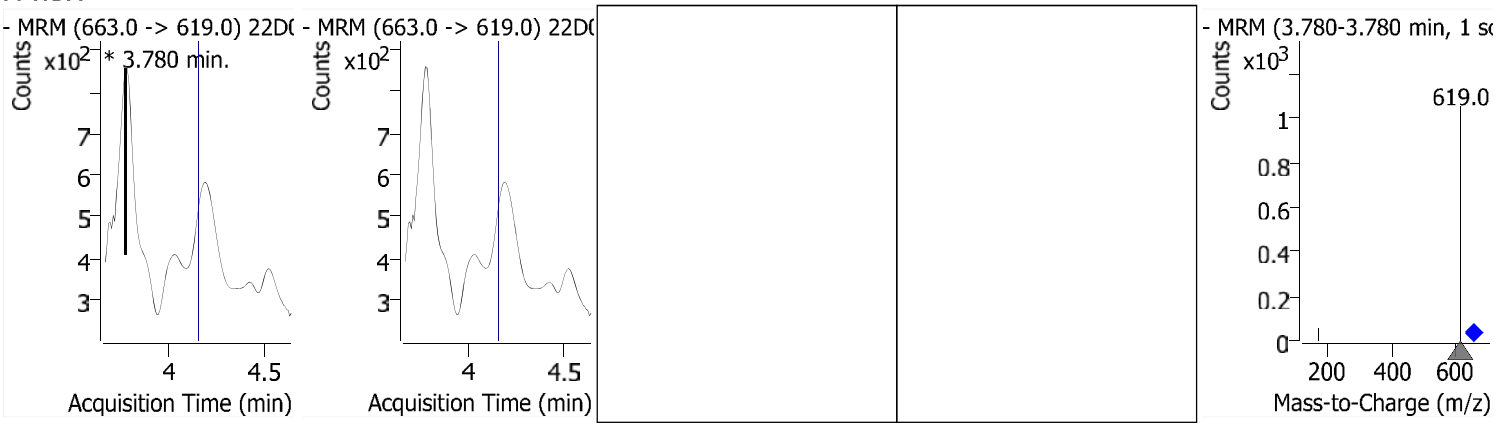
M3HFPO-DA



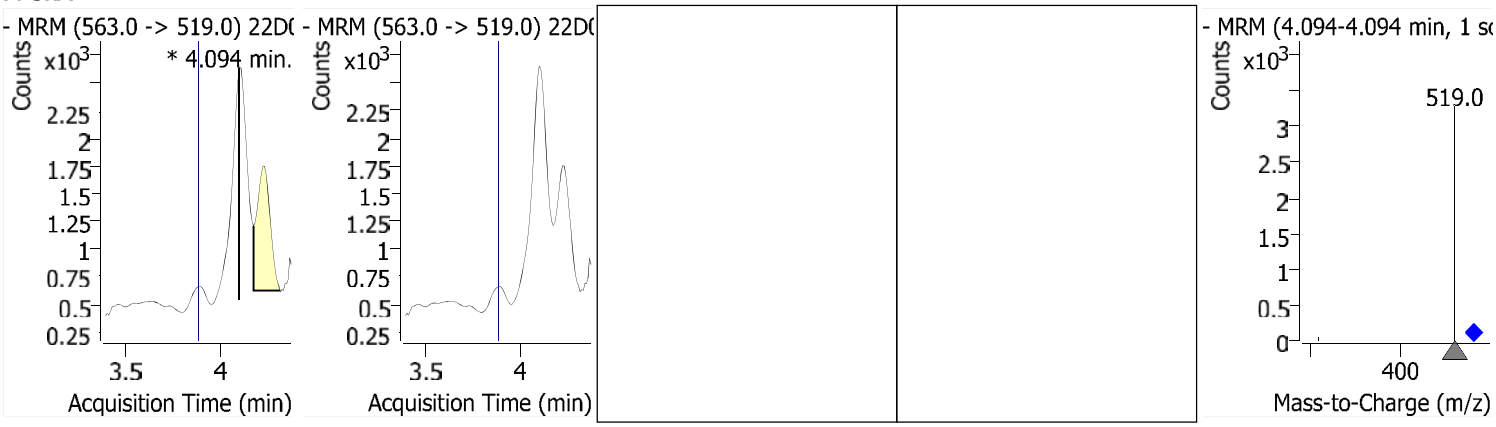
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 s(
Counts
x10^3
519.0
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

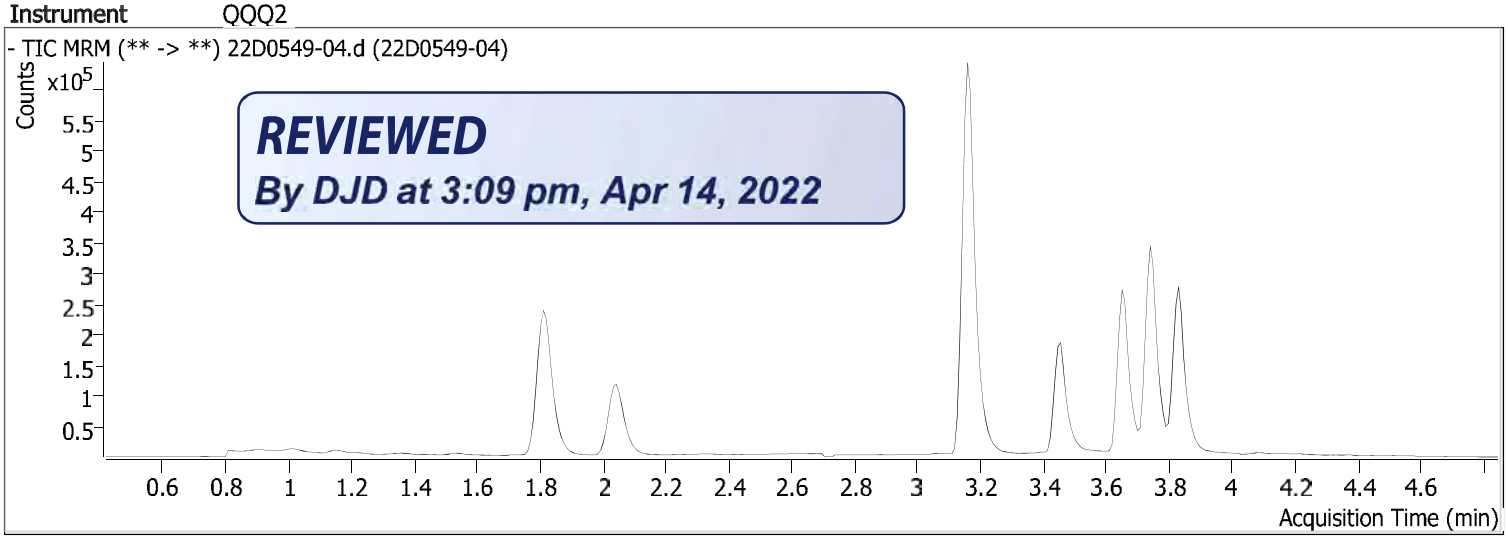
1 - FORM I
ANALYSIS DATA SHEET

907017-DUP-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-04	File ID:	22D0549-04.d
Sampled:	04/06/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:31
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	266.76 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

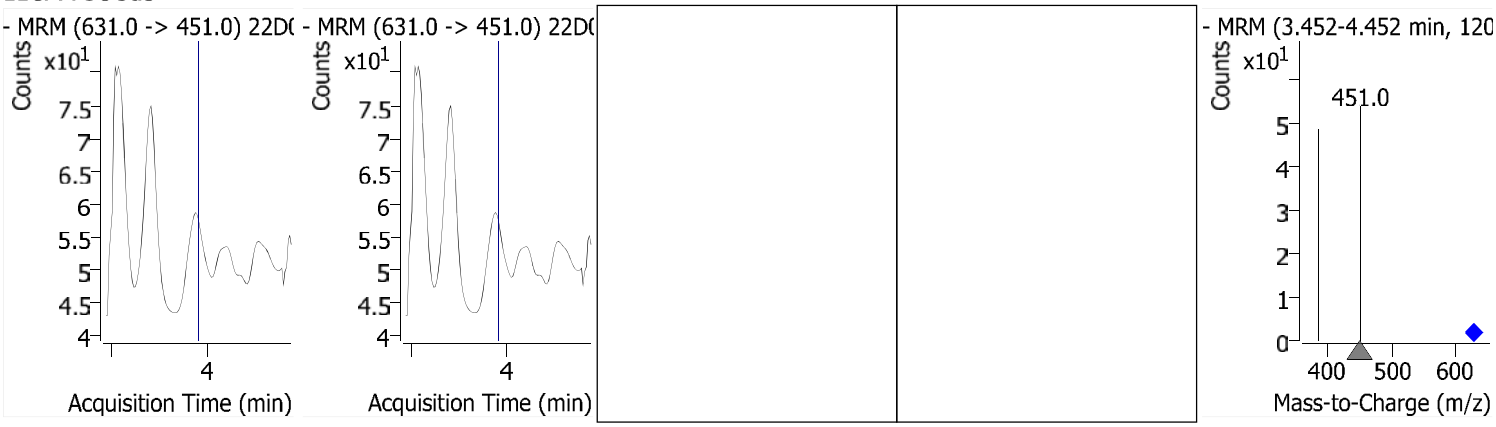
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:31 PM	Data File	22D0549-04.d
Sample Type	Sample	Sample Name	22D0549-04
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

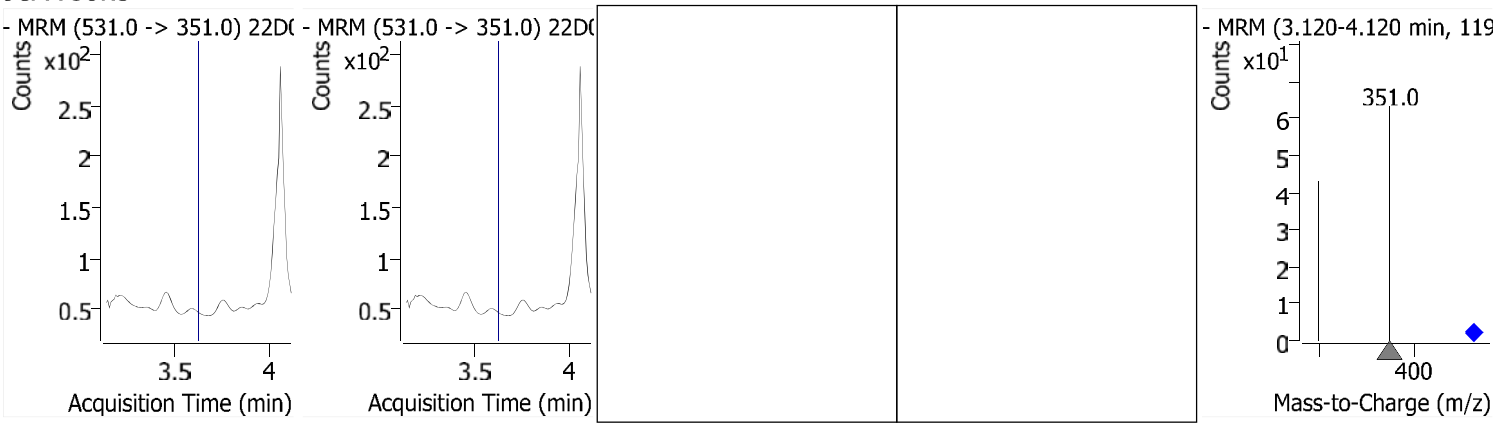


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	347627	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	347627	ND	pg/ml			
ADONA			PFOA C13	3.162	934313	ND	pg/ml			
d5-N-EtFOSAA	3.831	704819	d3-N-MeFOSAA	3.741	880426	34582.4006	pg/ml			
HFPO-DA	2.041	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	880426	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	880426	ND	pg/ml			
PFBS	1.300	1227	PFOS C13	3.458	347627	55.8099	pg/ml	✔	3	DRL 04/14/22
PFDA C13	3.653	690555	PFOA C13	3.162	934313	8573.2584	pg/ml			
PFDA	3.941	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.166	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	934313	ND	pg/ml			
PFHxA C13	1.813	810137	PFOA C13	3.162	934313	9476.0886	pg/ml			
PFHxA	1.814	5353	PFOA C13	3.162	934313	81.6264	pg/ml	✔	3	DRL 04/14/22
PFHxS			PFOS C13	3.458	347627	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.543	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	347627	ND	pg/ml			
M3HFPO-DA	2.040	85483	PFOA C13	3.162	934313	9831.1884	pg/ml			
PFTA	4.395	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	934313	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	934313	ND	pg/ml	✔	1	DRL 04/14/22

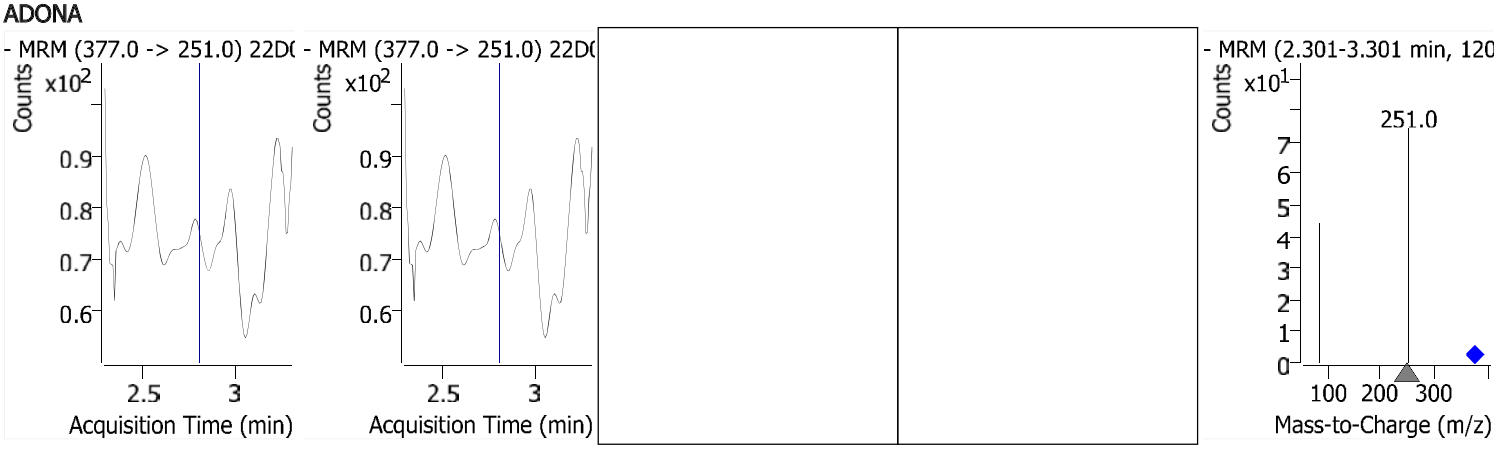
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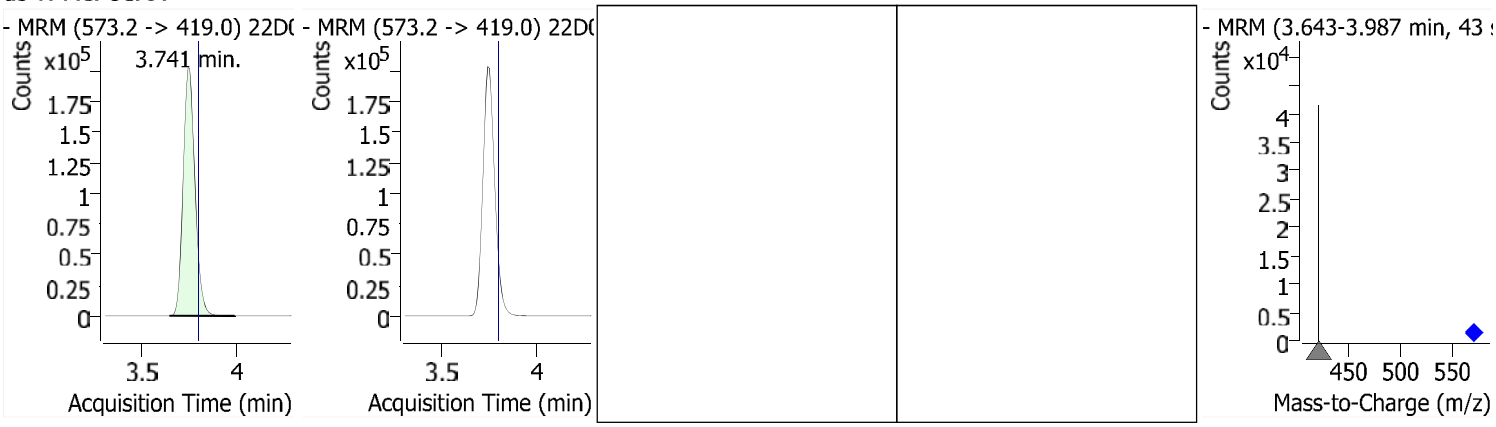
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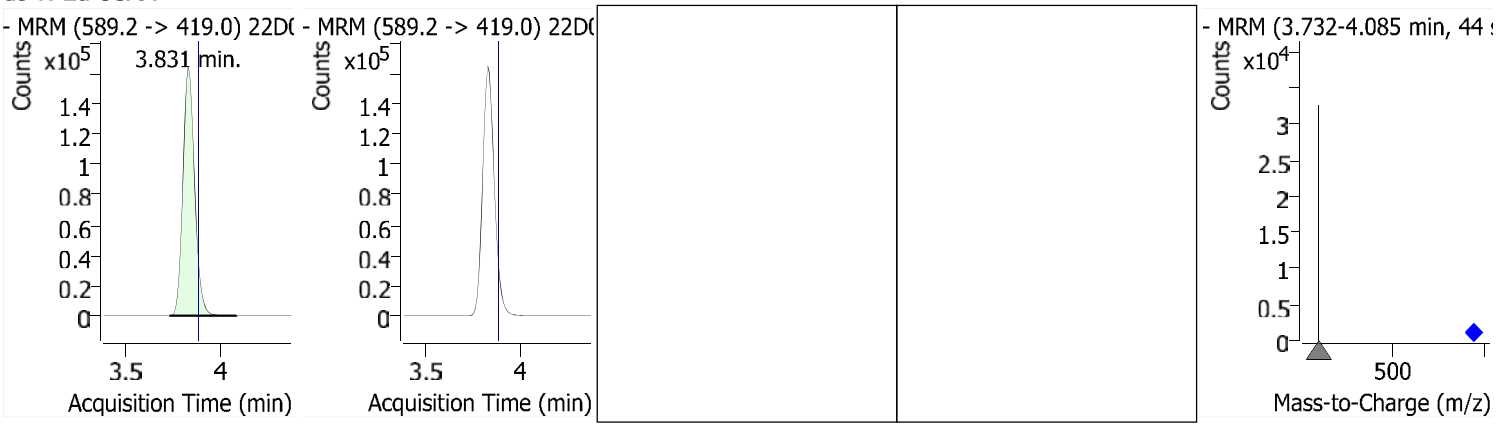
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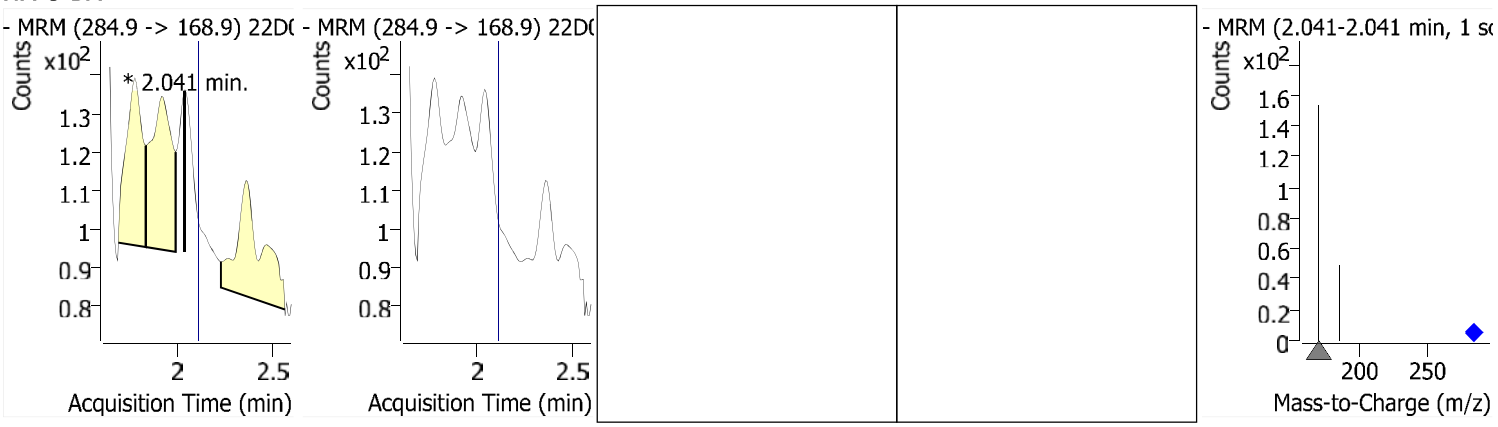
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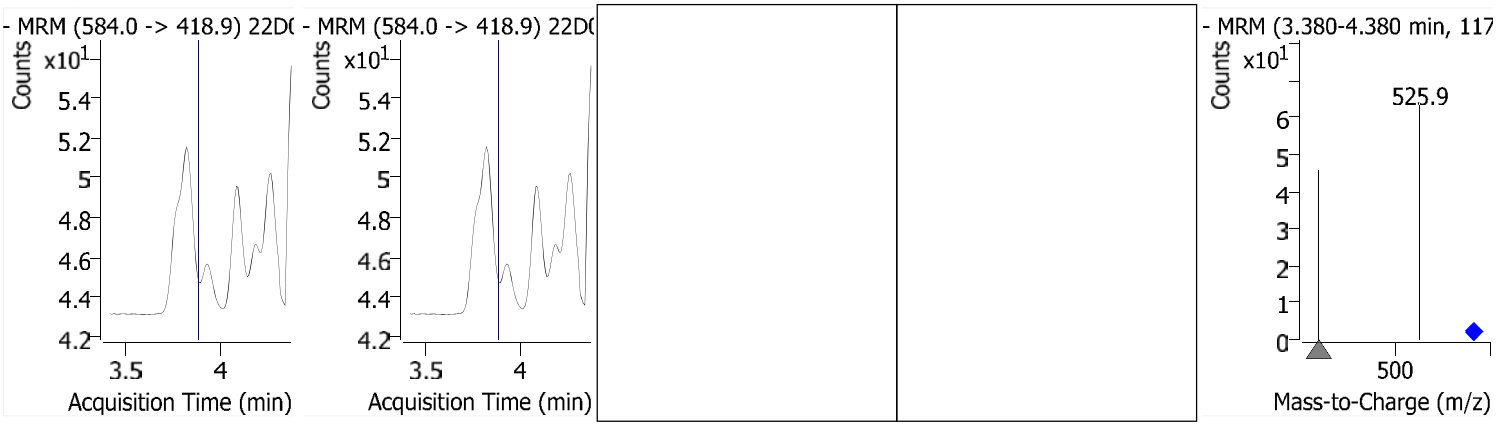
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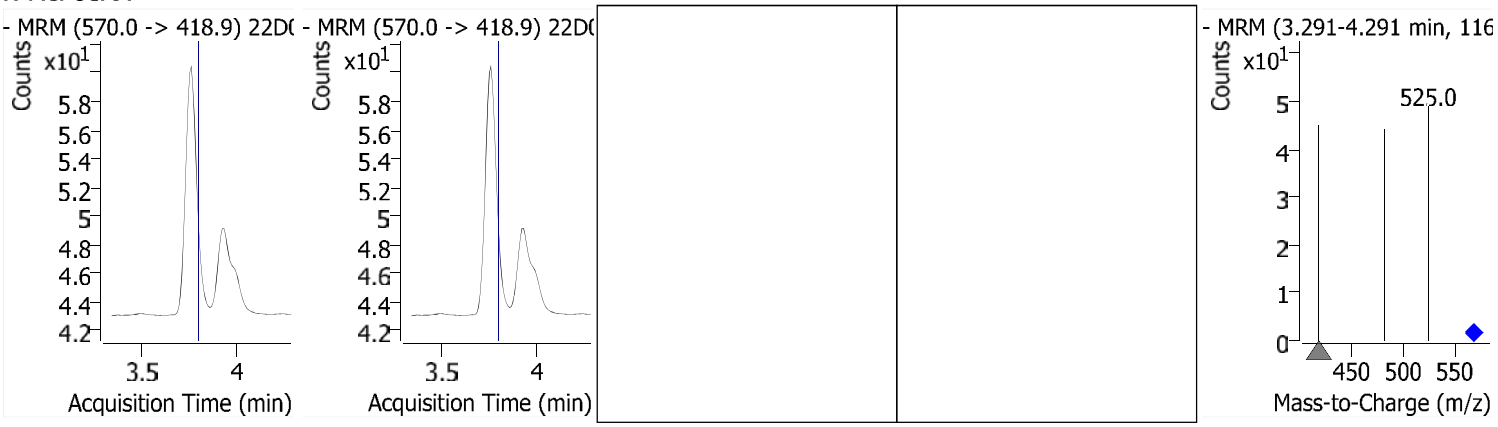
HFPO-DA



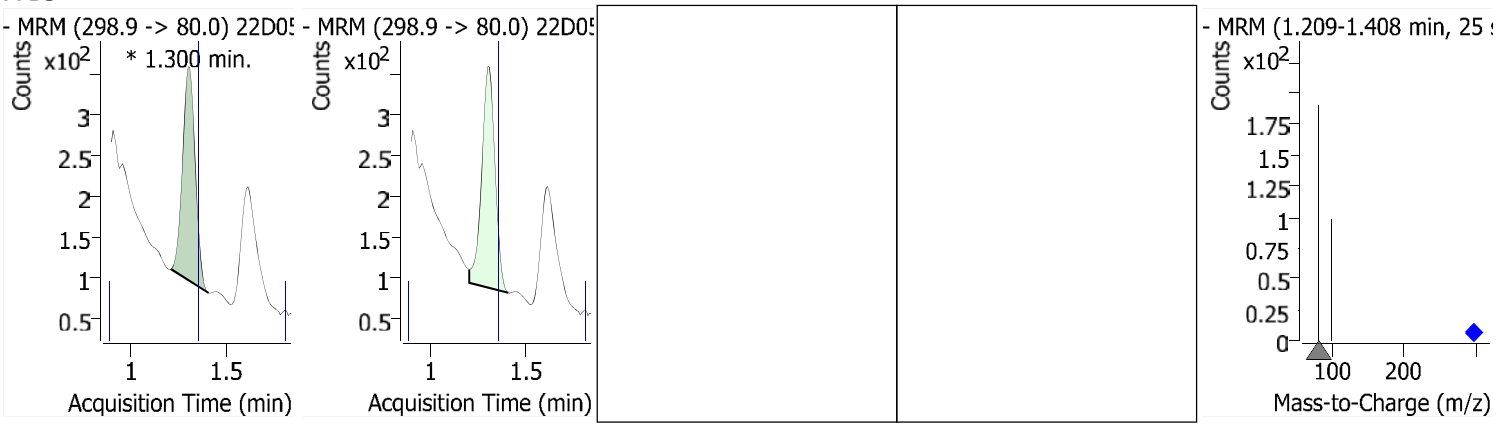
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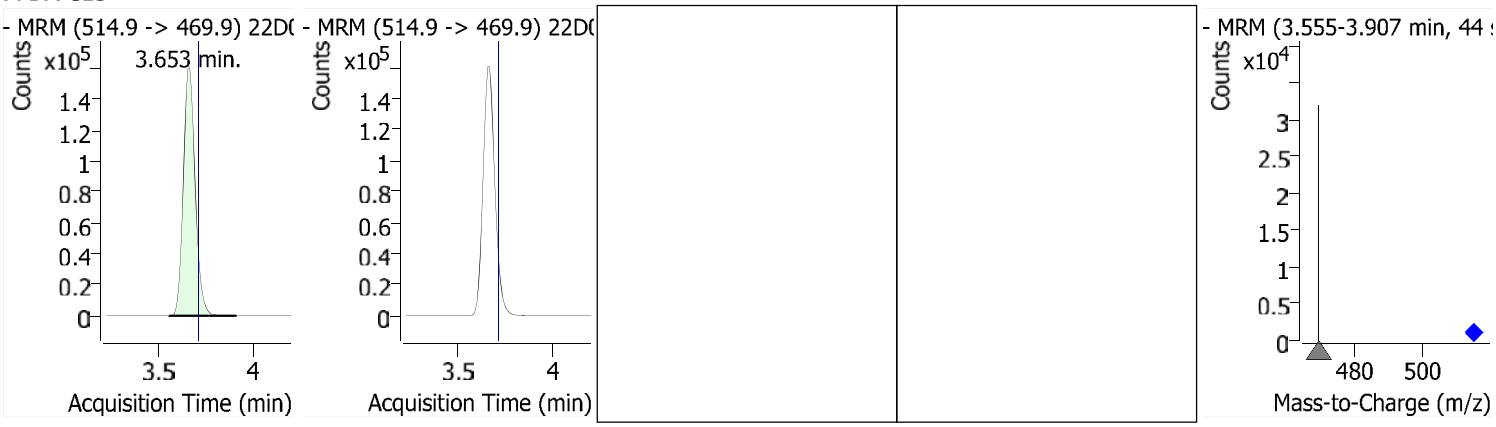
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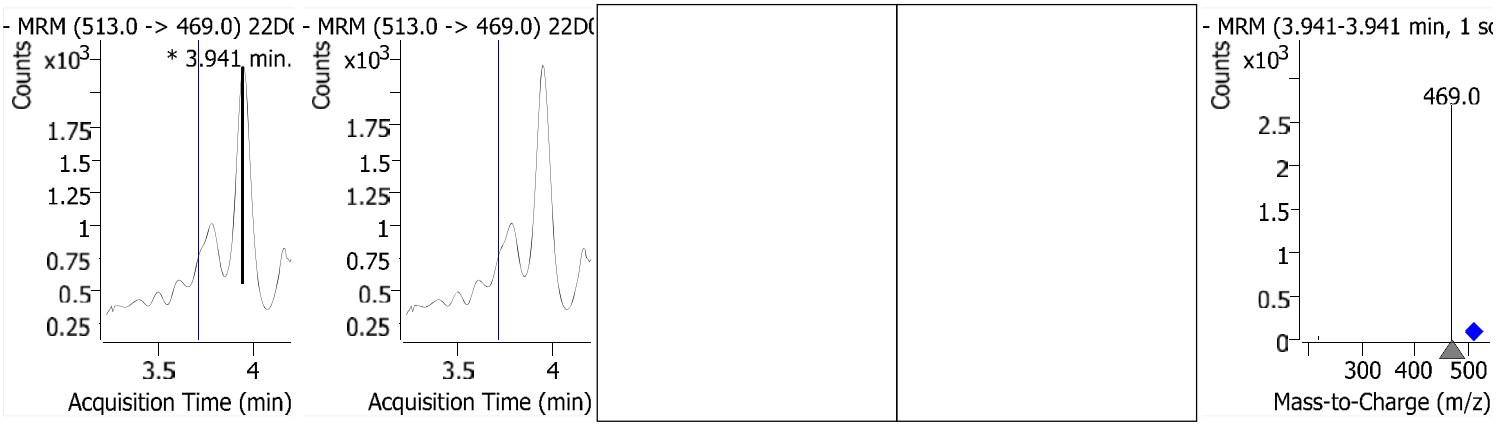
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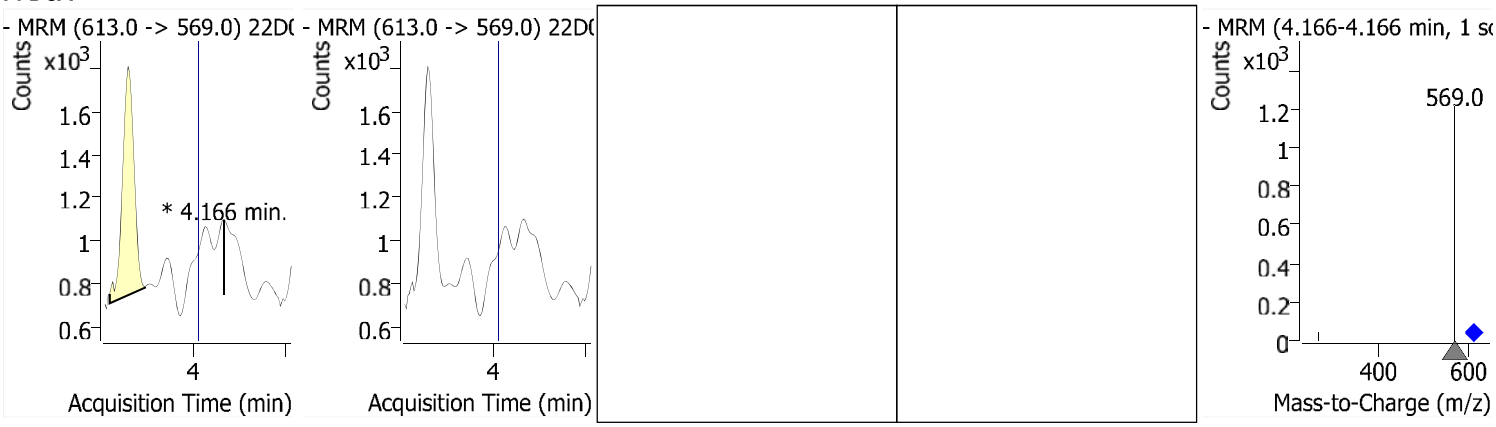
PFDA C13



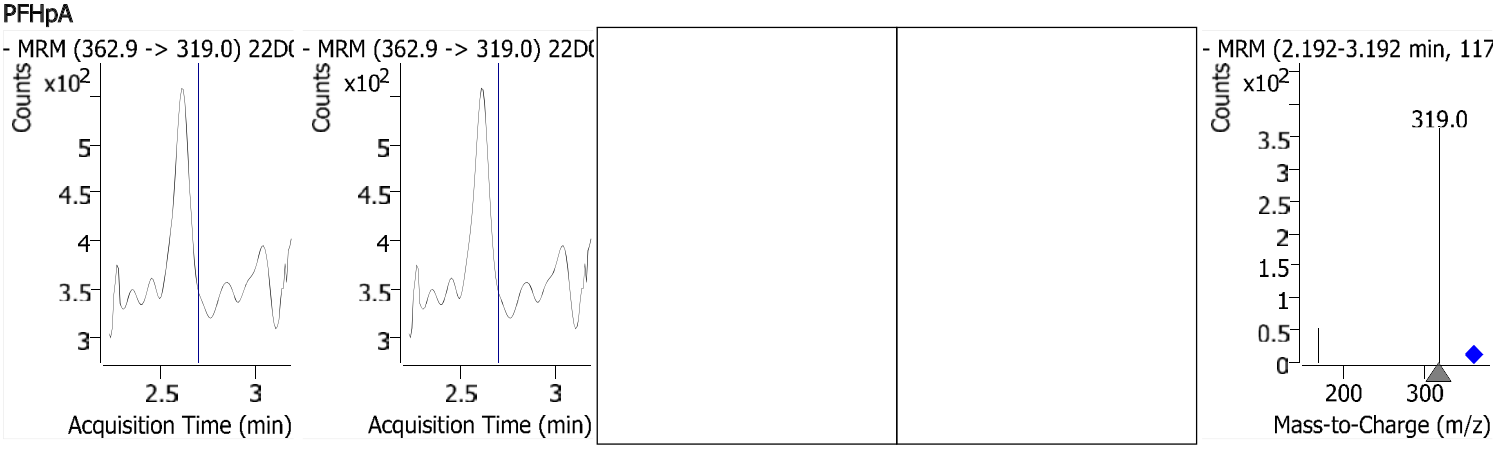
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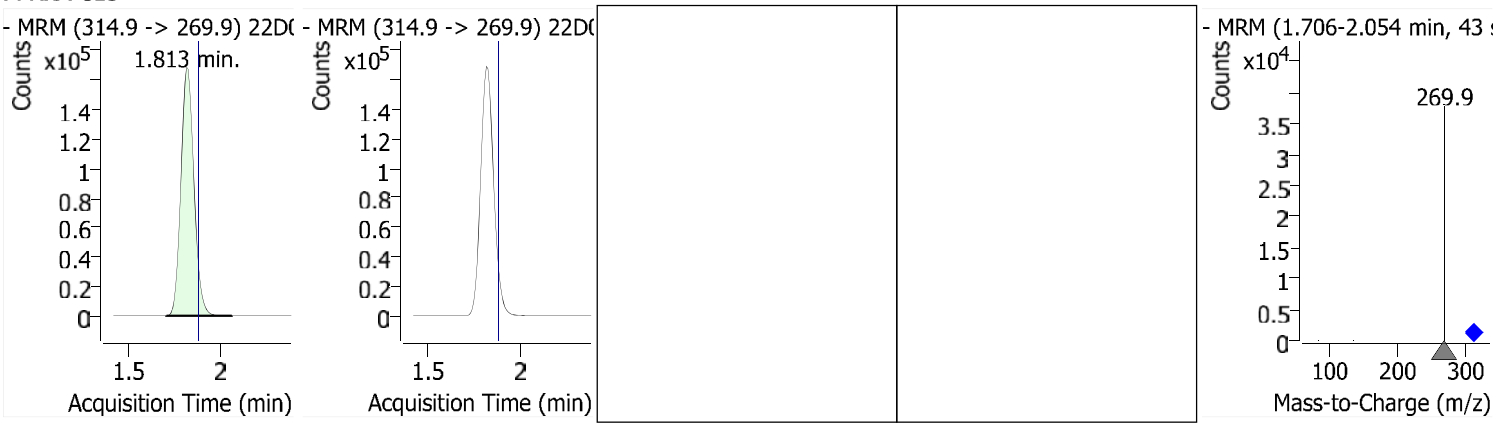
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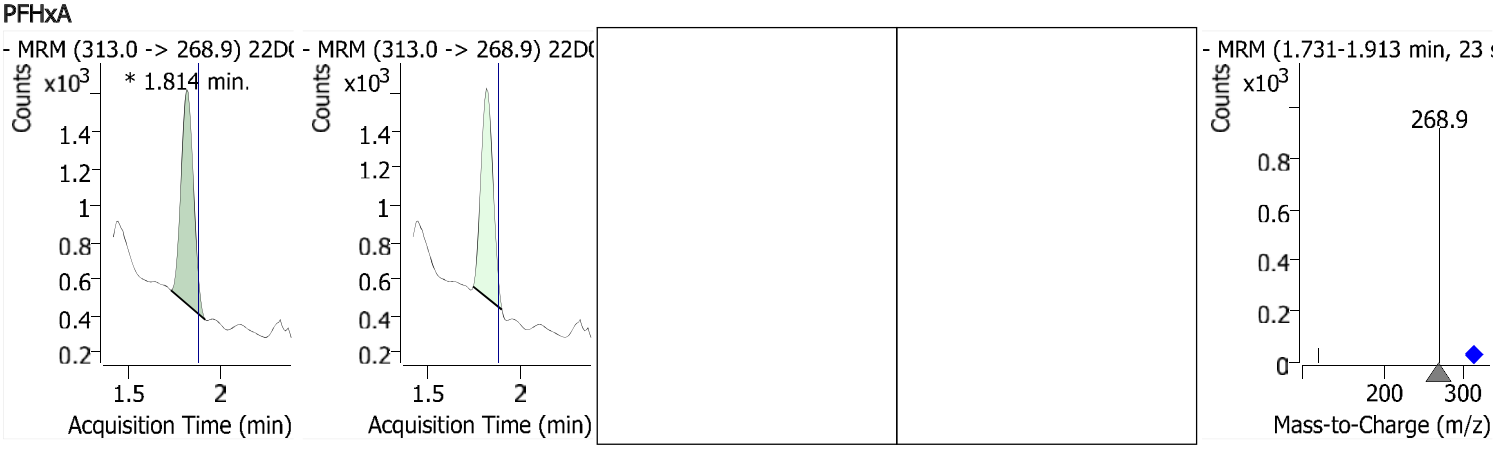
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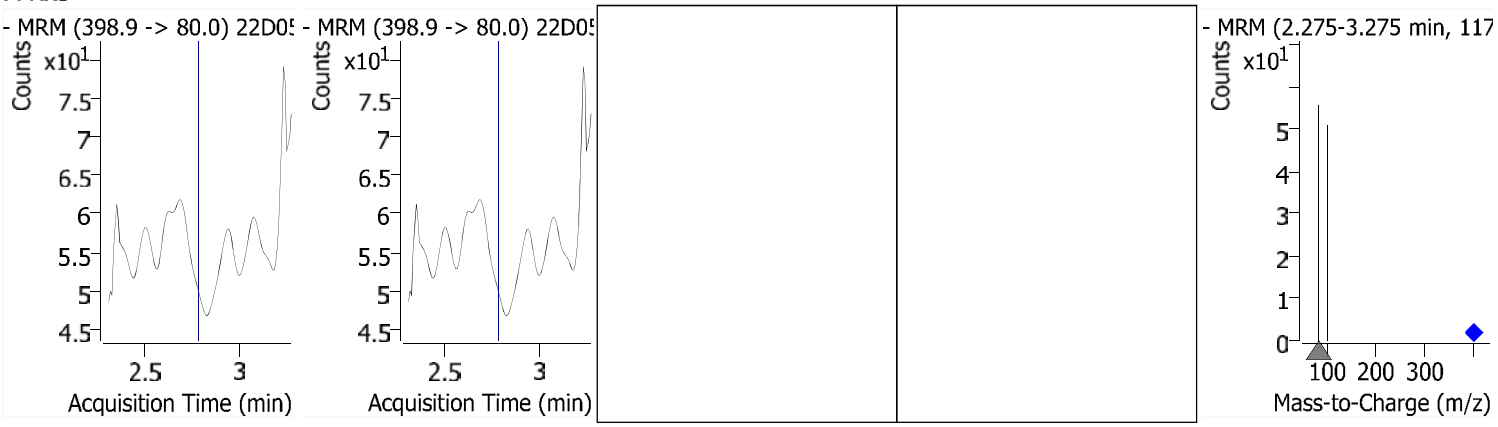
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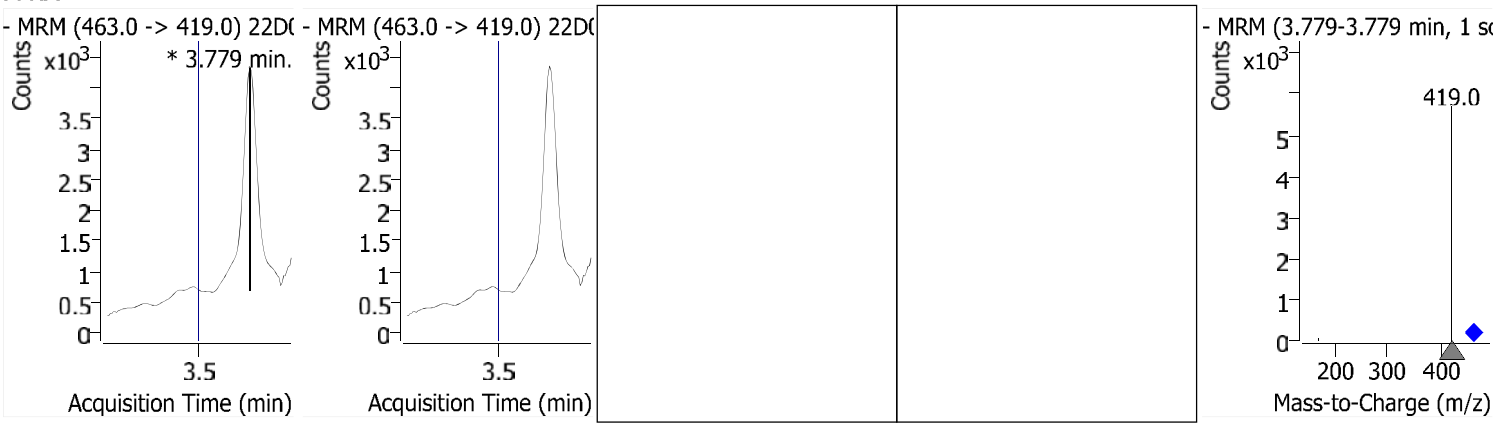
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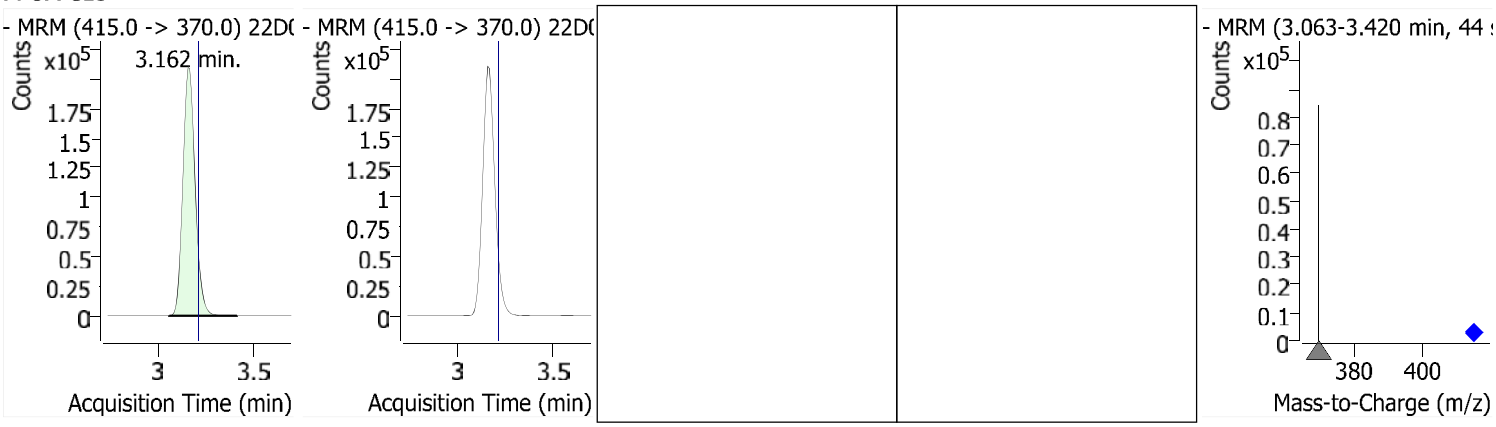
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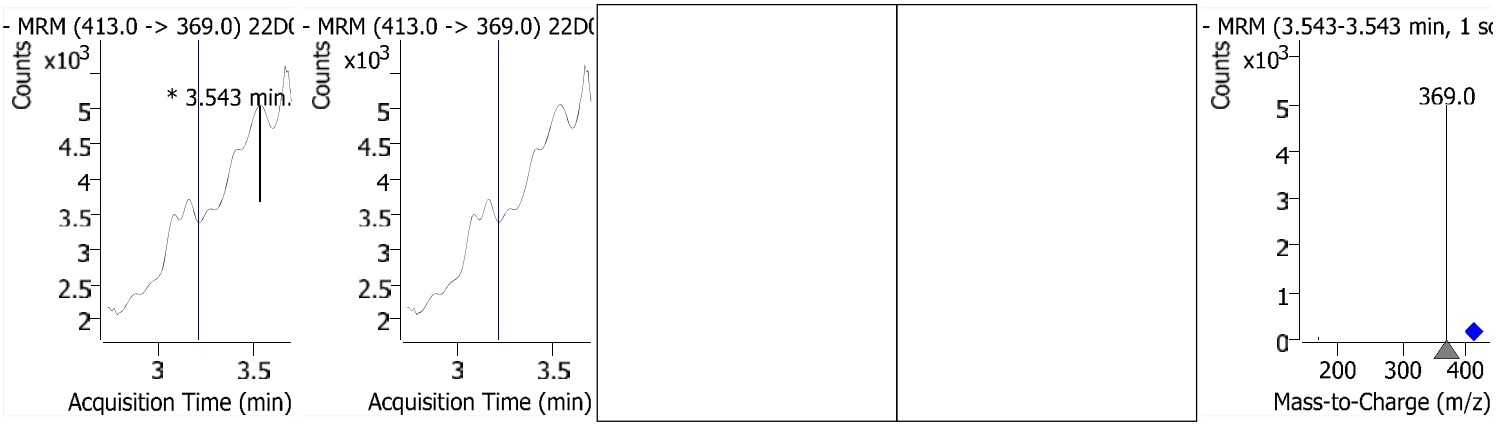
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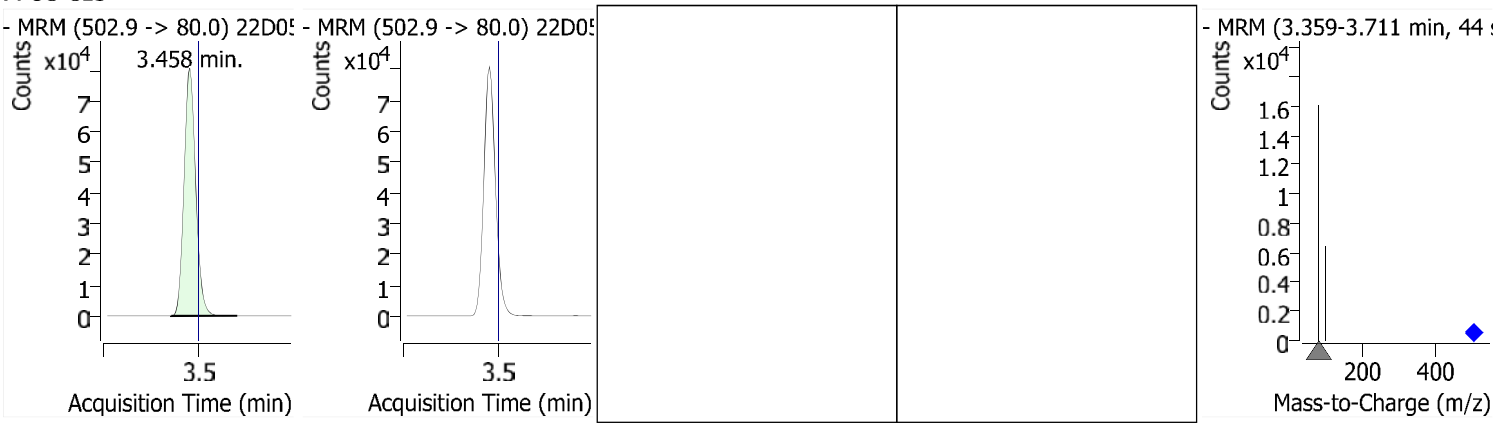
PFOA C13



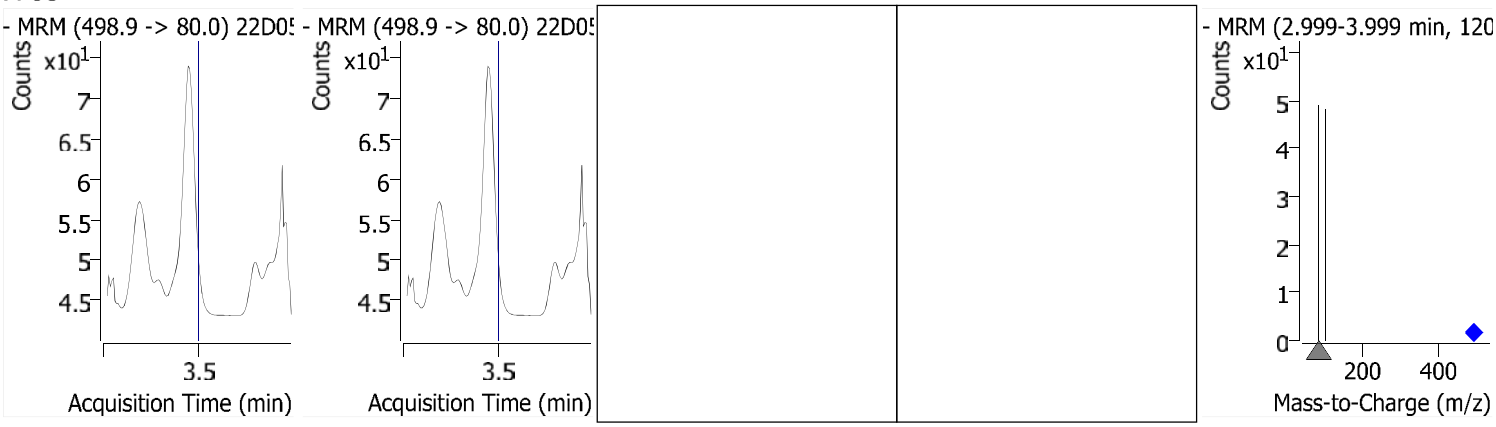
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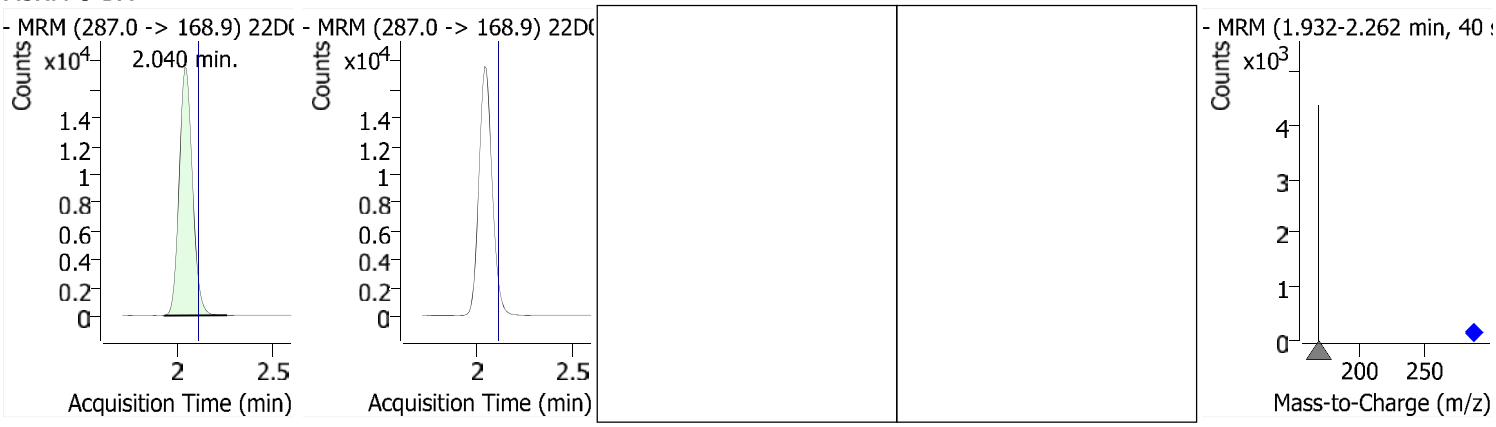
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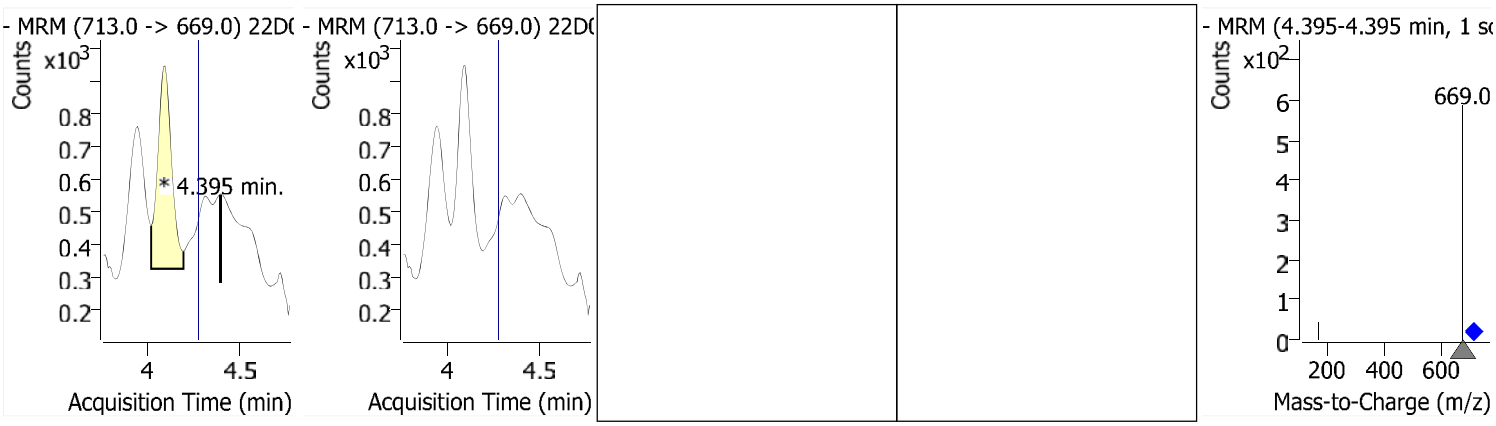
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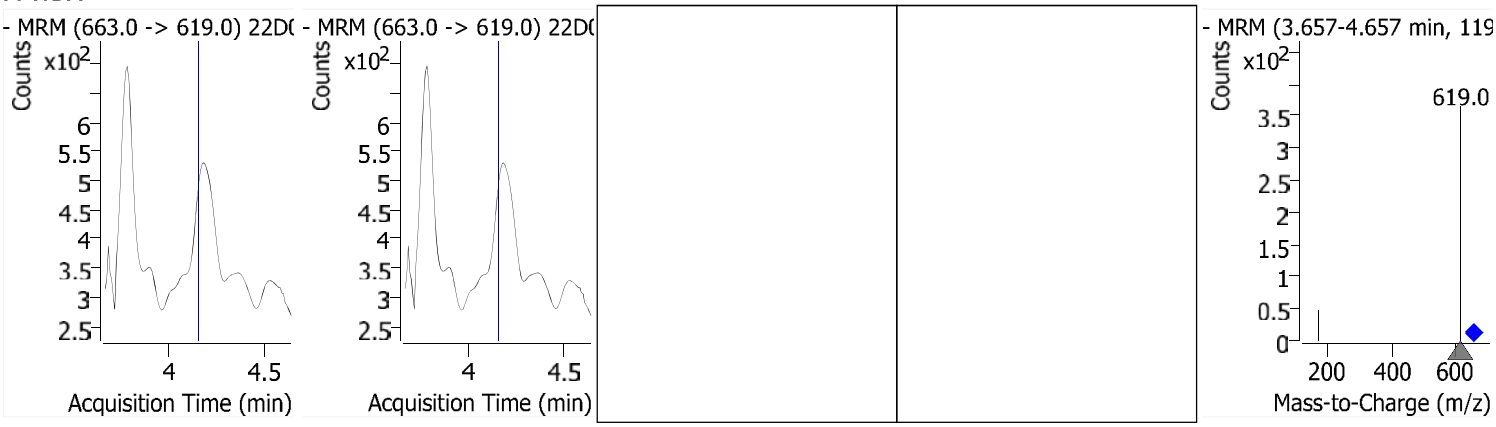
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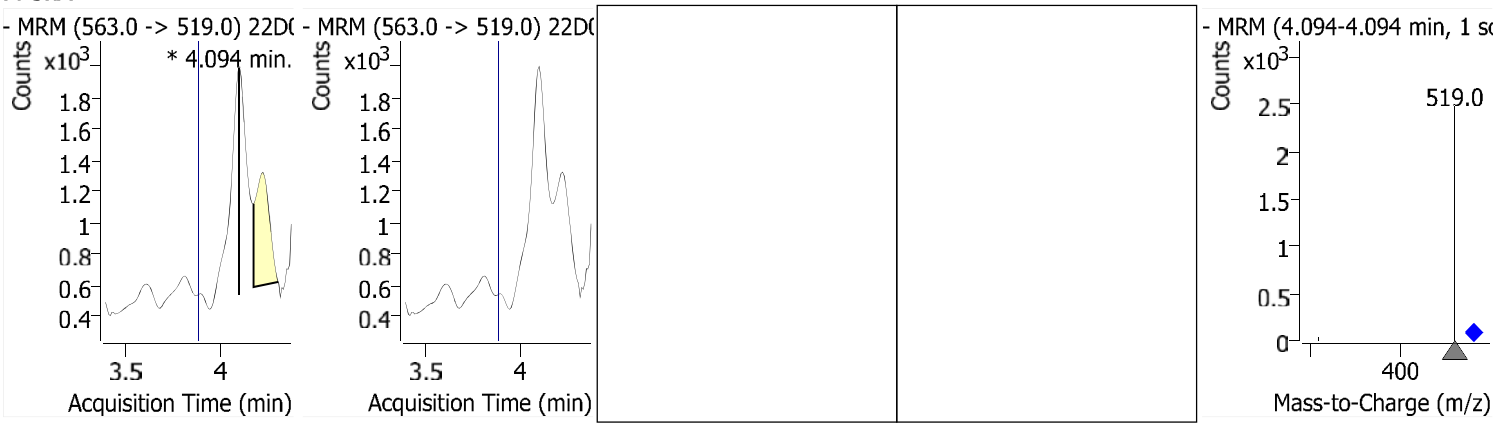
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 s(
Counts
x10^3
519.0
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

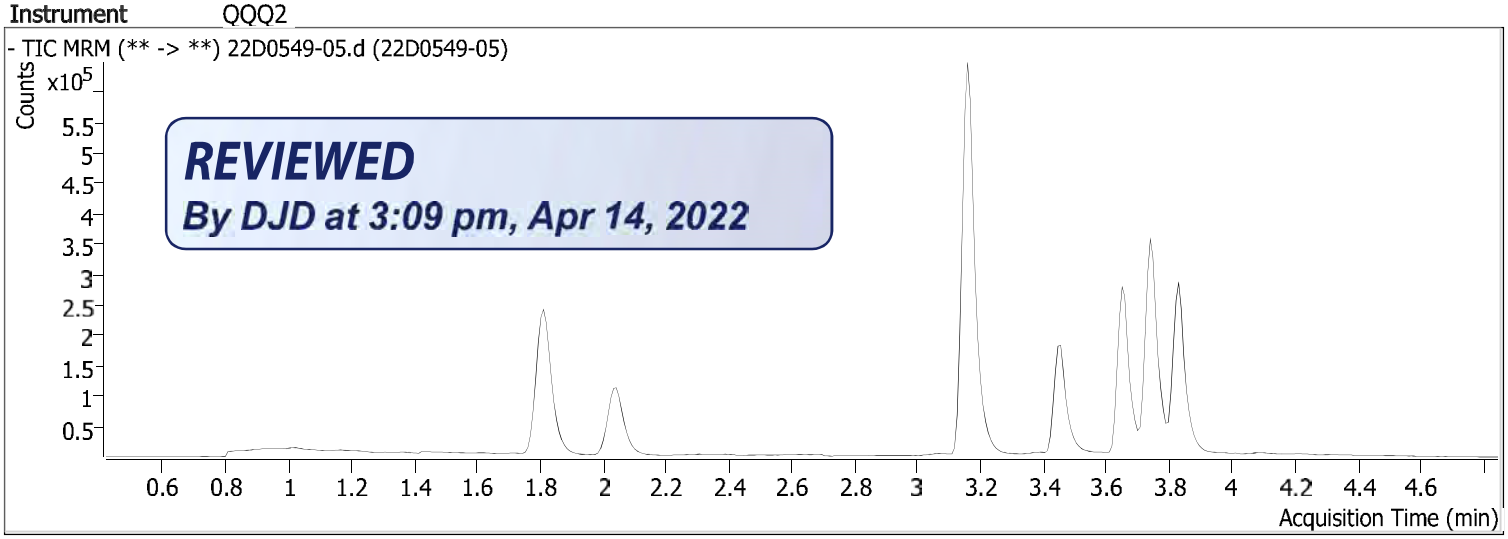
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-101

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-05	File ID:	22D0549-05.d
Sampled:	04/05/22 13:11	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:38
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	266.36 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

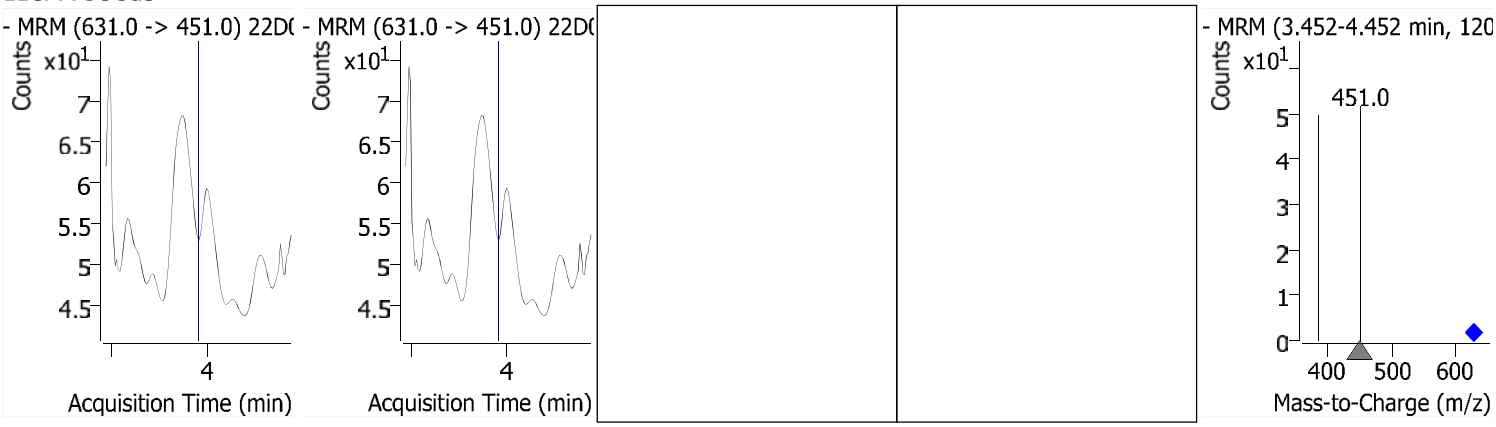
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.84	0.61	1.9	J
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.64	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)	1.9	0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	5.1	0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.64	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.86	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:38 PM	Data File	22D0549-05.d
Sample Type	Sample	Sample Name	22D0549-05
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

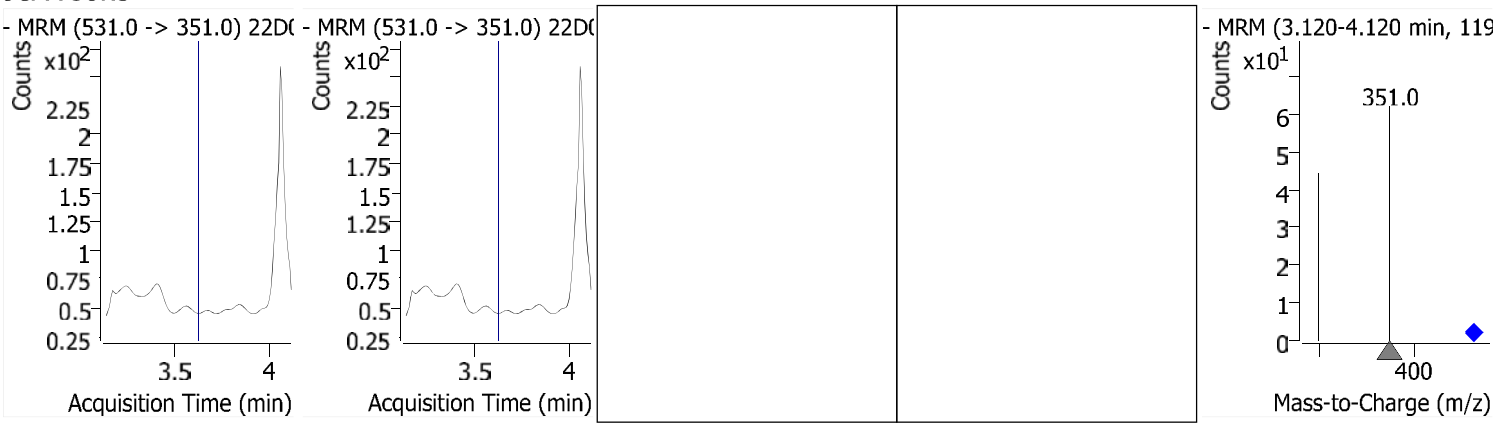


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	340009	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	340009	ND	pg/ml			
ADONA			PFOA C13	3.162	908378	ND	pg/ml			
d5-N-EtFOSAA	3.831	726257	d3-N-MeFOSAA	3.741	914430	34309.2111	pg/ml			
HFPO-DA			PFOA C13	3.162	908378	ND	pg/ml			
N-EtFOSAA	3.815	0	d3-N-MeFOSAA	3.741	914430	ND	pg/ml	✔	1	DRL 04/14/22
N-MeFOSAA			d3-N-MeFOSAA	3.741	914430	ND	pg/ml			
PFBS	1.308	2123	PFOS C13	3.458	340009	98.7289	pg/ml	✔	3	DRL 04/14/22
PFDA C13	3.653	713646	PFOA C13	3.162	908378	9112.8948	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	908378	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	3.658	0	PFOA C13	3.162	908378	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA	2.617	3124	PFOA C13	3.162	908378	80.6833	pg/ml	✔	3	DRL 04/14/22
PFHxA C13	1.813	820224	PFOA C13	3.162	908378	9867.9906	pg/ml			
PFHxA	1.814	5678	PFOA C13	3.162	908378	89.0630	pg/ml	✔	3	DRL 04/14/22
PFHxS	2.697	3232	PFOS C13	3.458	340009	224.8005	pg/ml	✔	3	DRL 04/14/22
PFNA	3.770	0	PFOA C13	3.162	908378	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.163	46708	PFOA C13	3.162	908378	507.2936	pg/ml	✔	3	DRL 04/14/22
PFOS	3.450	16121	PFOS C13	3.458	340009	1352.4631	pg/ml	✔	3	DRL 04/14/22
M3HFPO-DA	2.040	86623	PFOA C13	3.162	908378	10246.7953	pg/ml			
PFTA	4.437	0	PFOA C13	3.162	908378	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.755	0	PFOA C13	3.162	908378	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.094	0	PFOA C13	3.162	908378	ND	pg/ml	✔	1	DRL 04/14/22

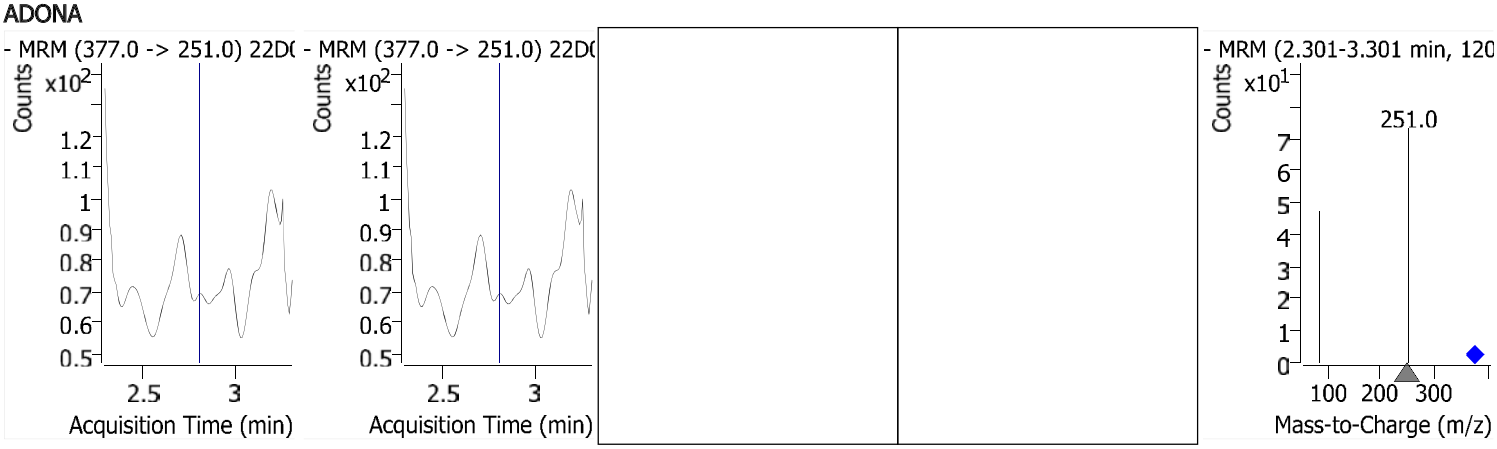
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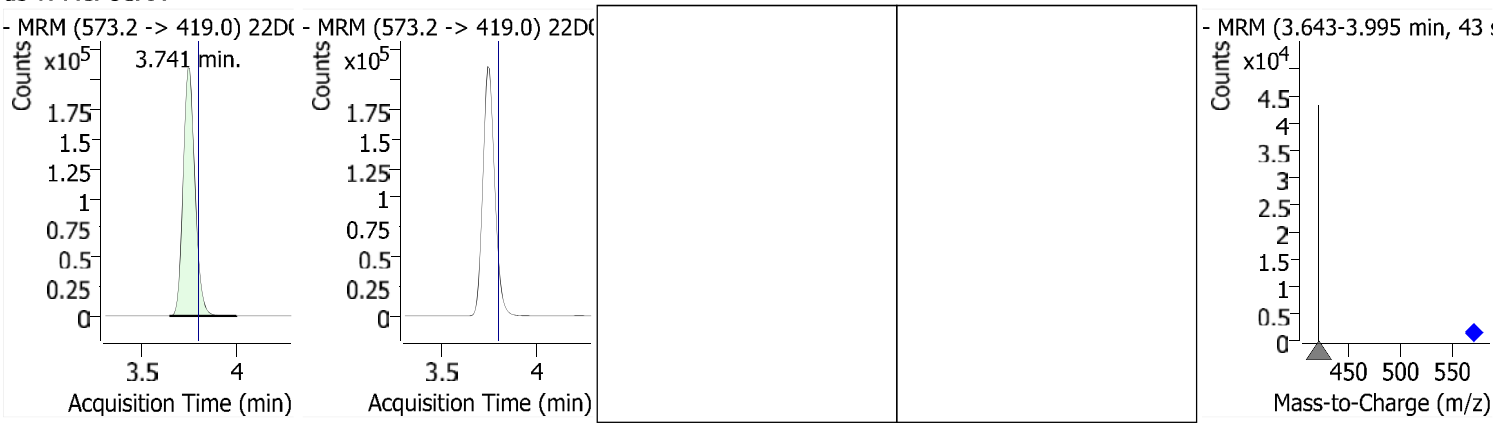
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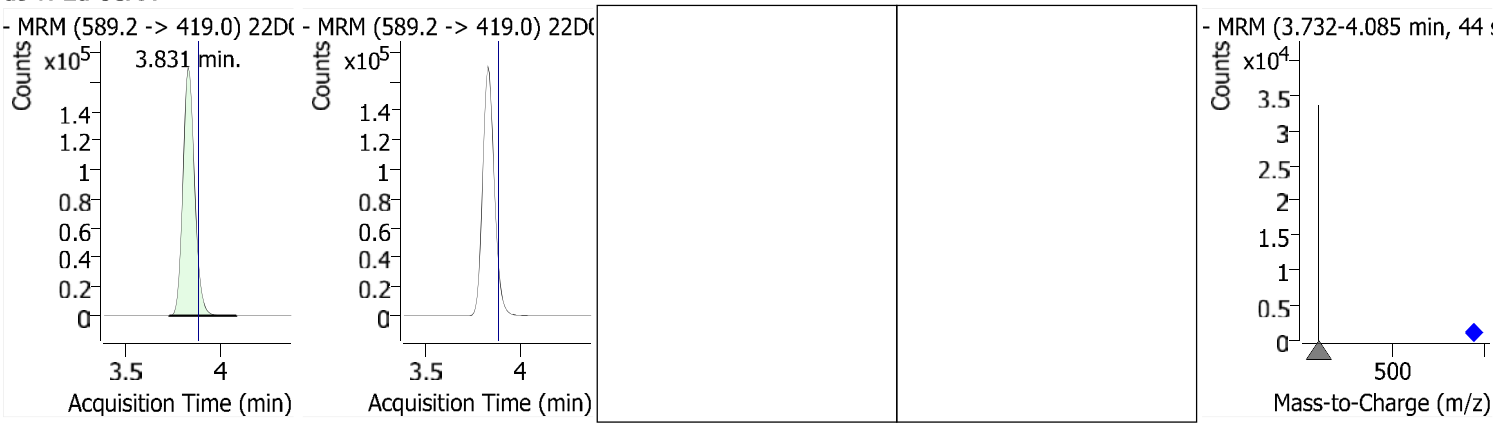
ADONA



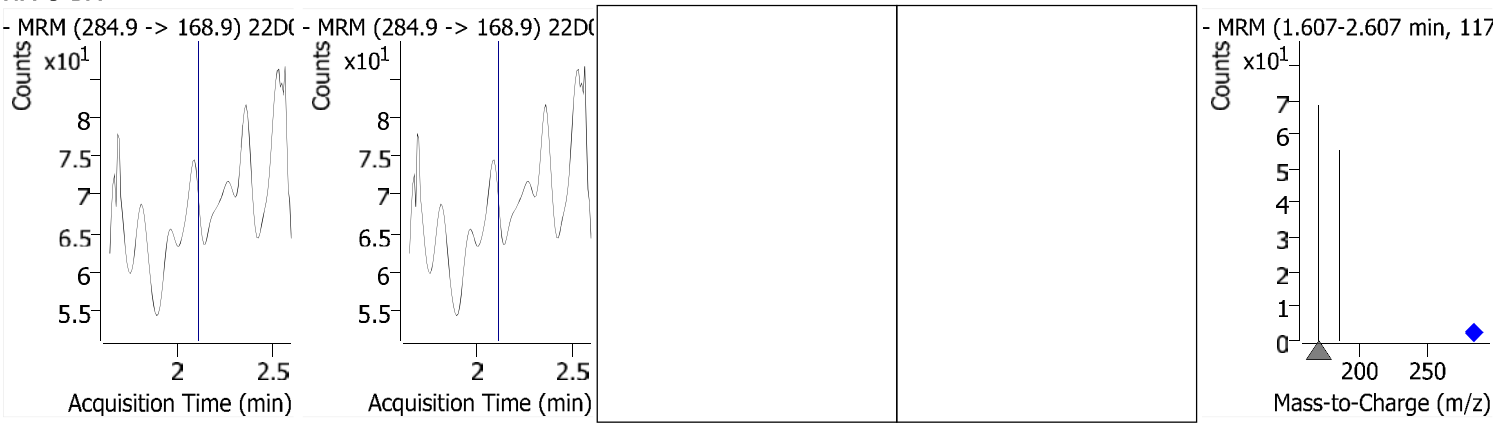
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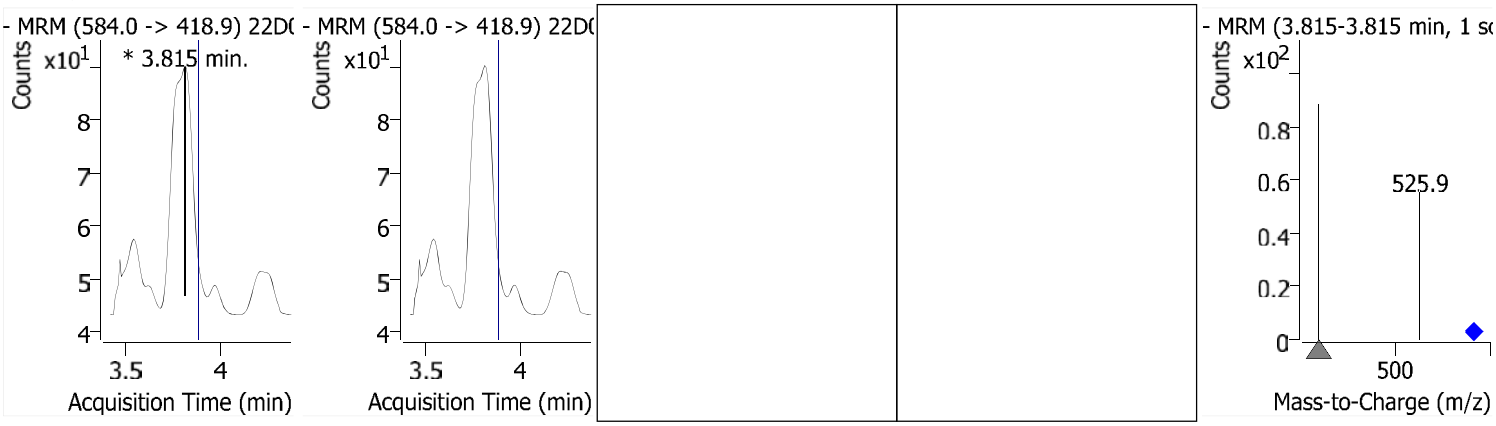
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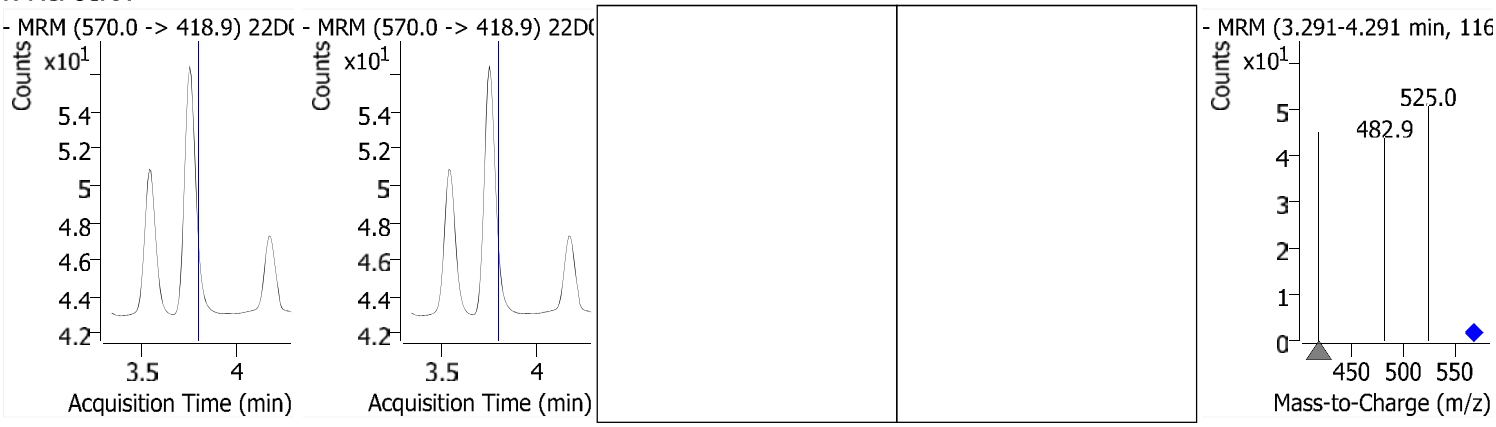
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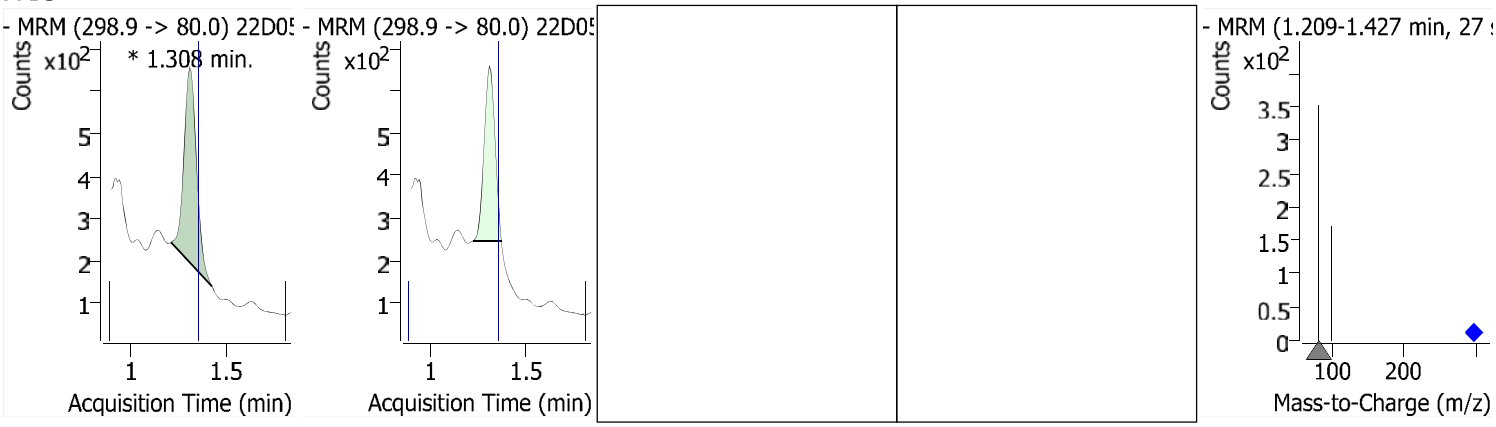
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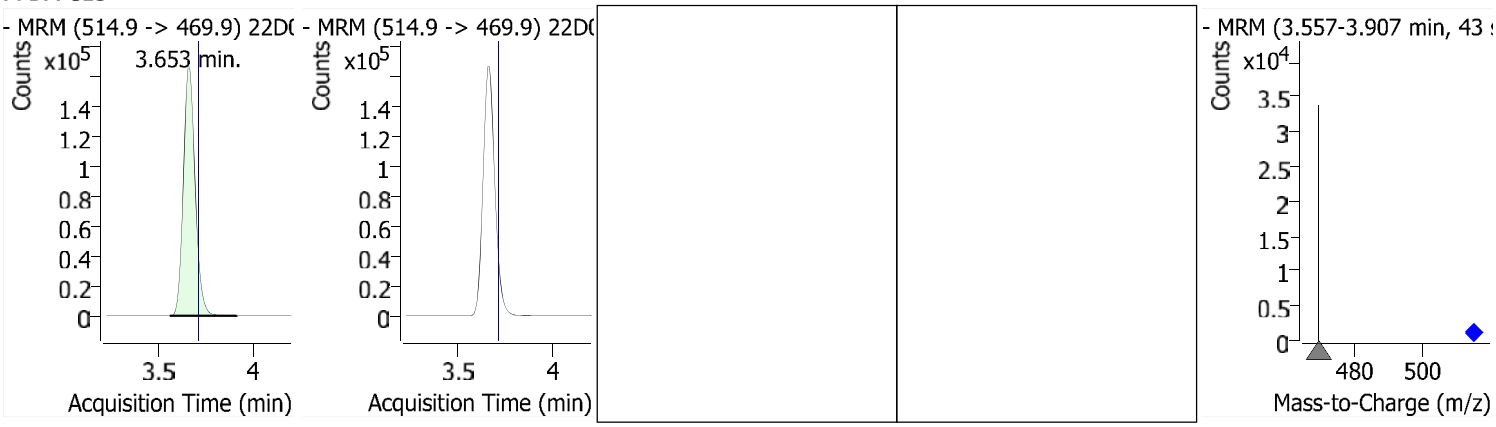
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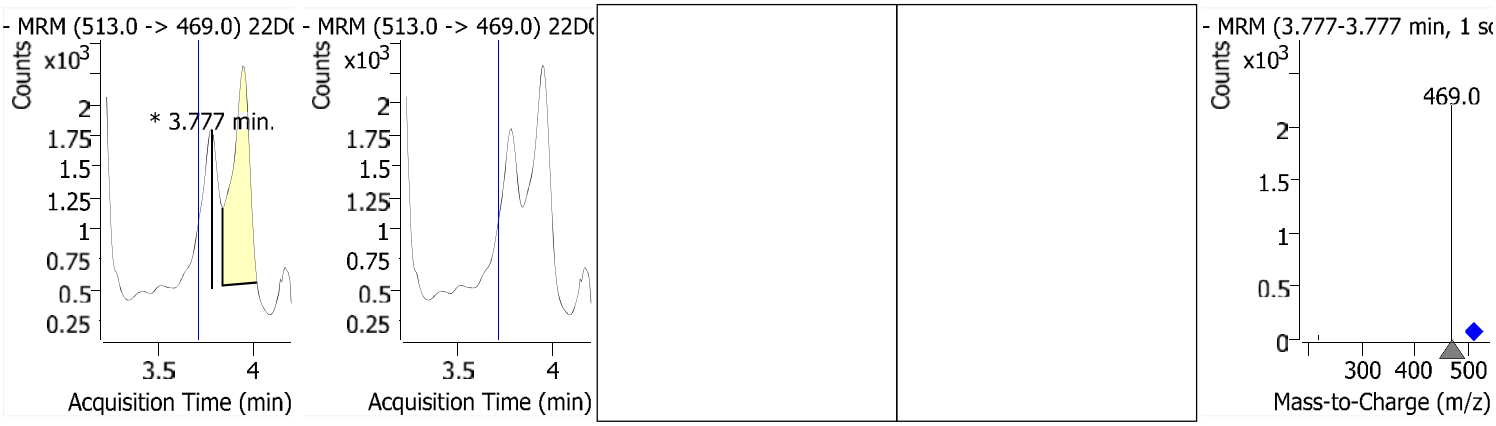
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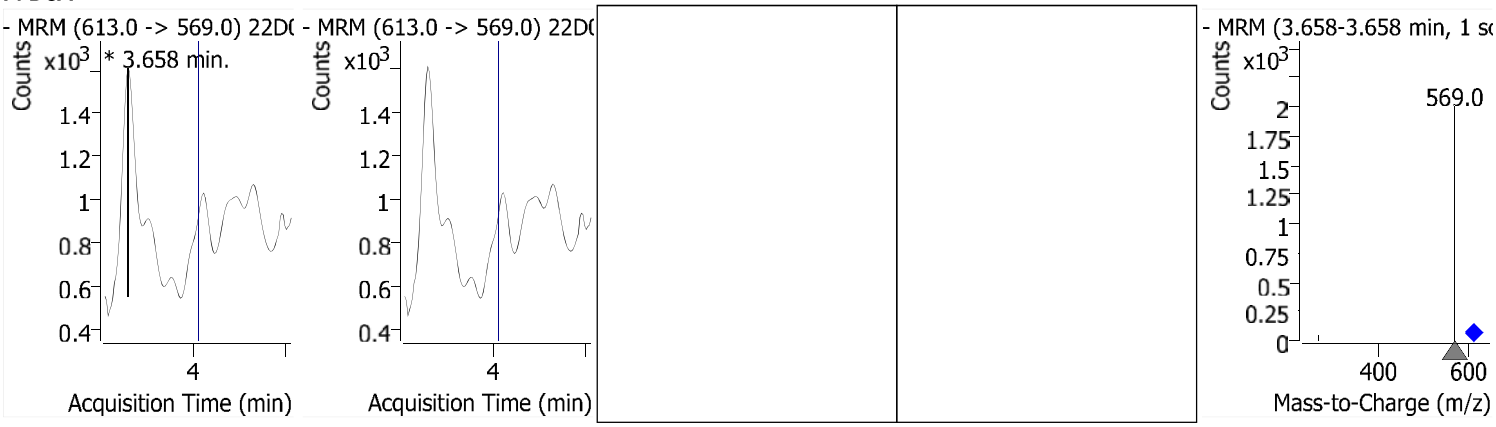
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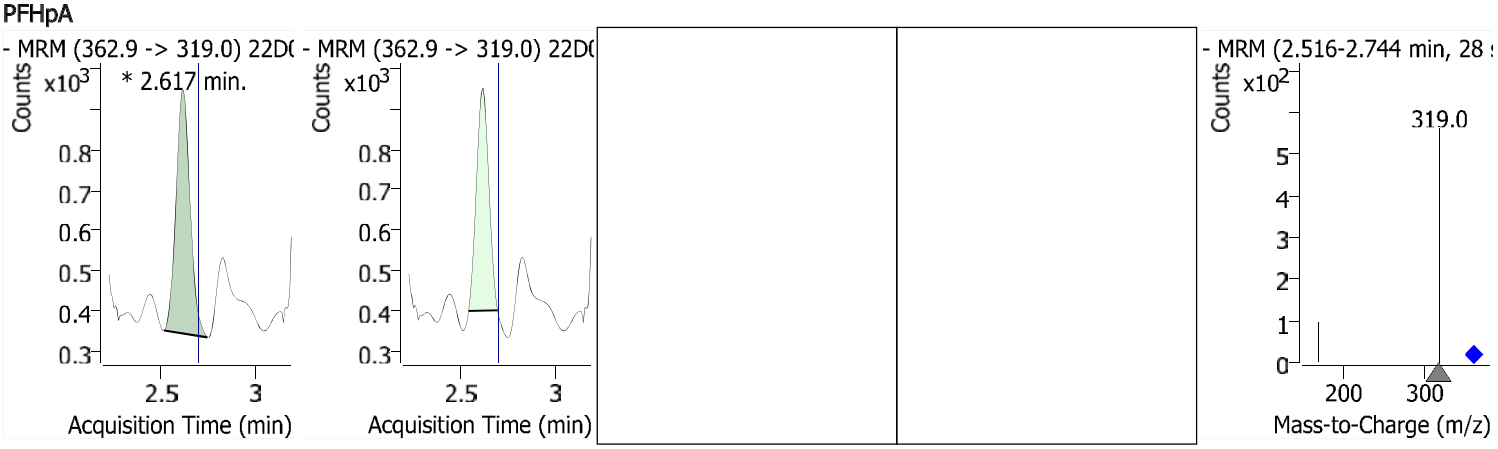
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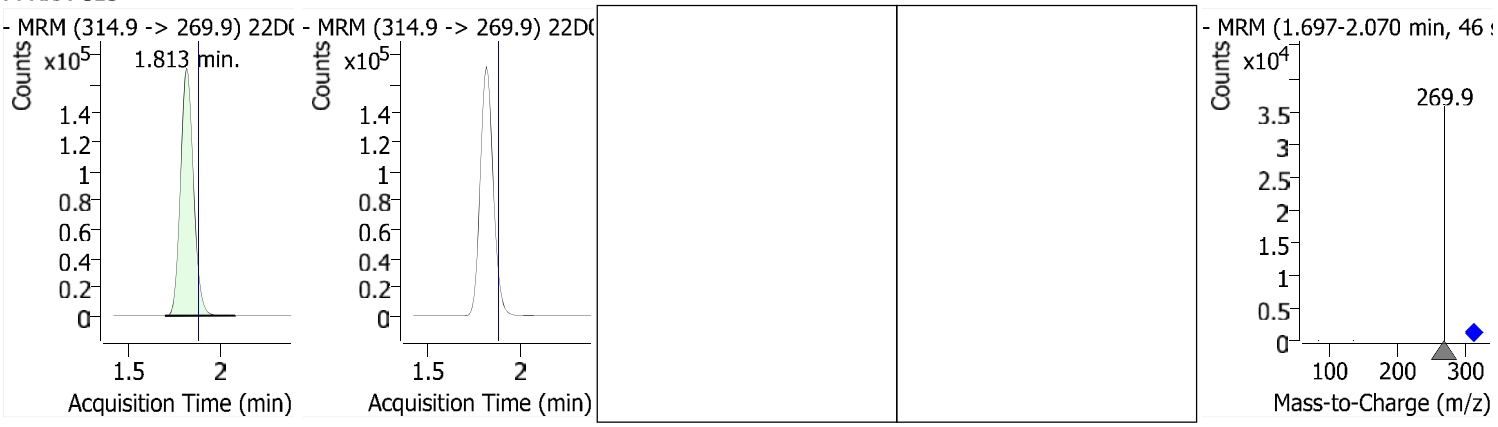
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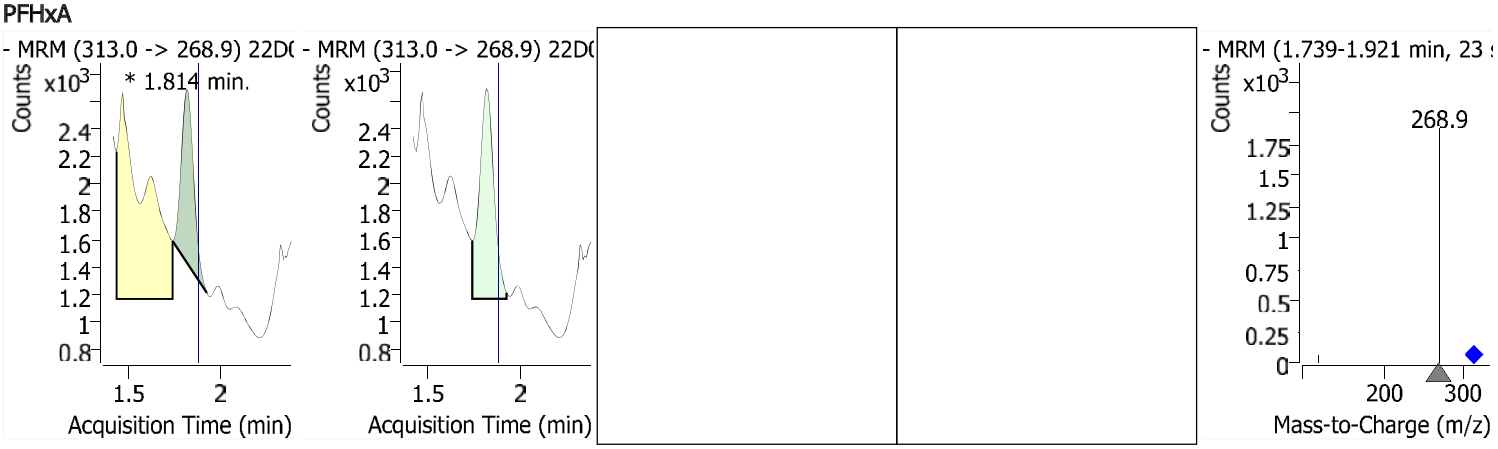
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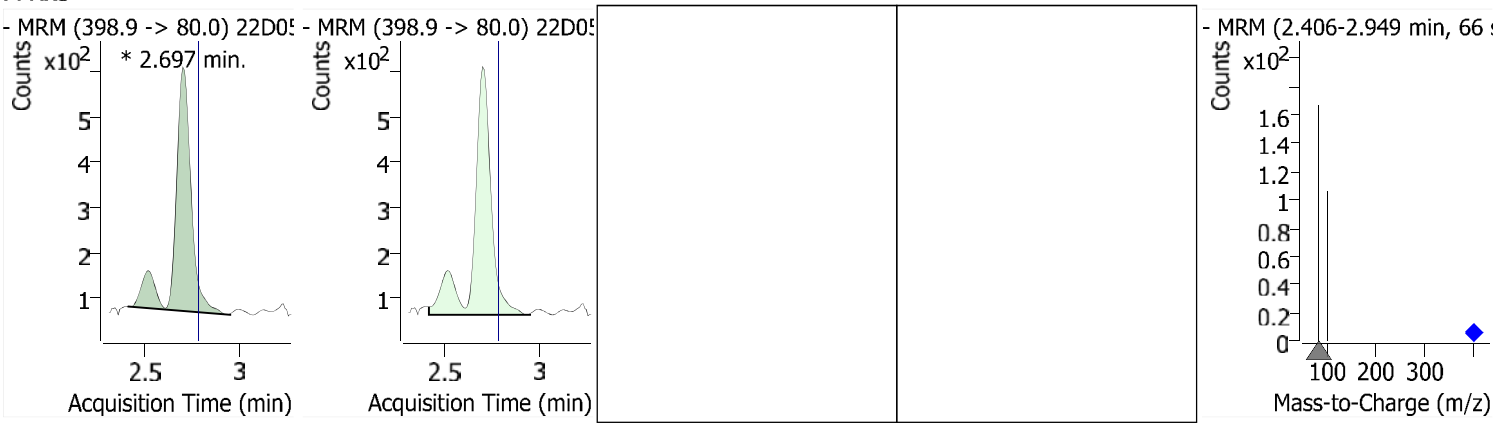
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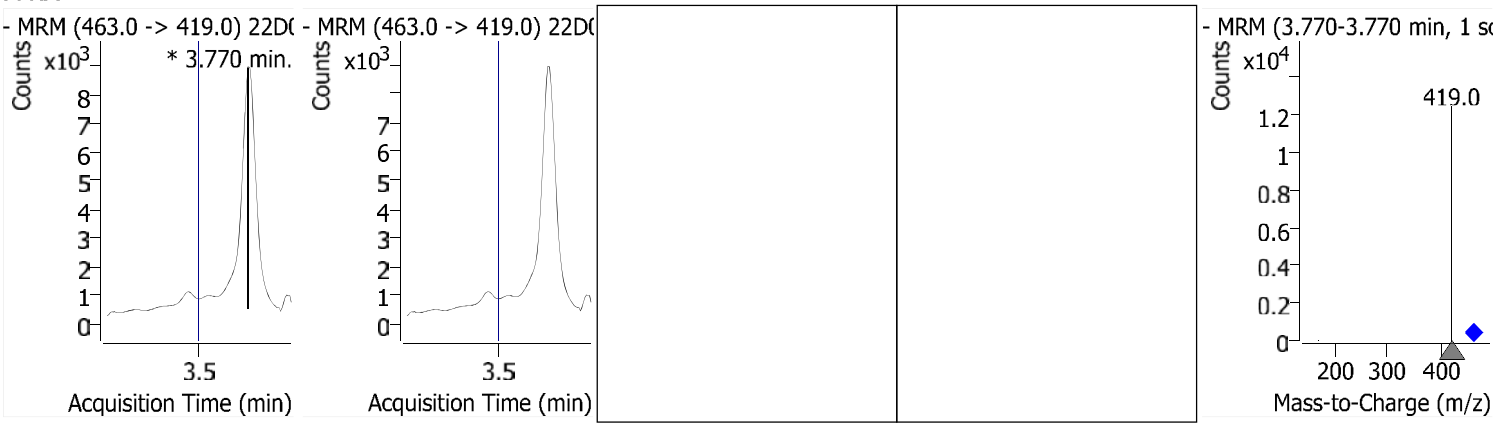
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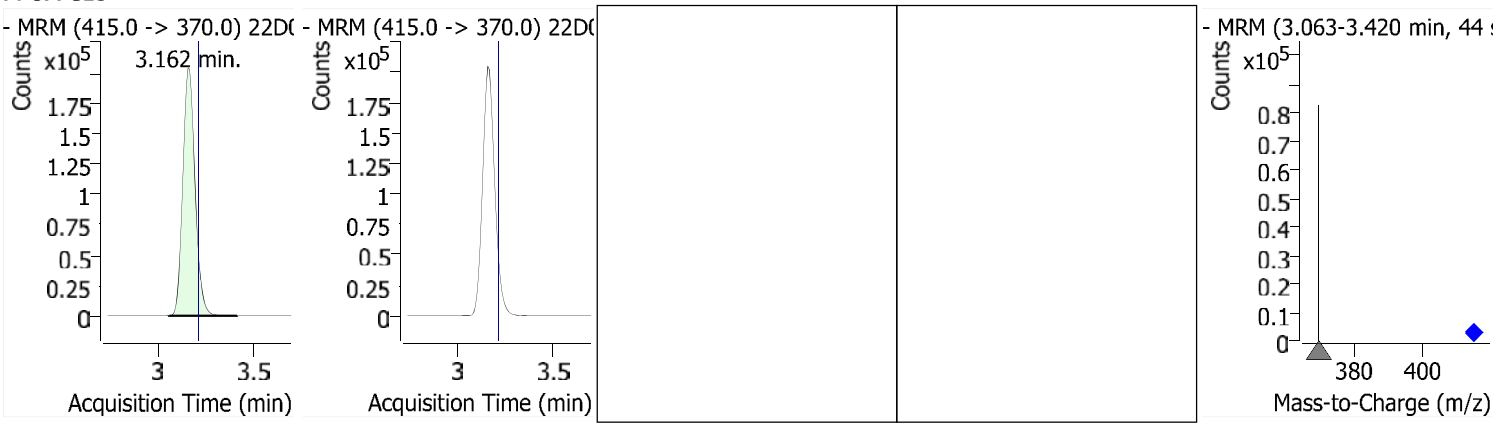
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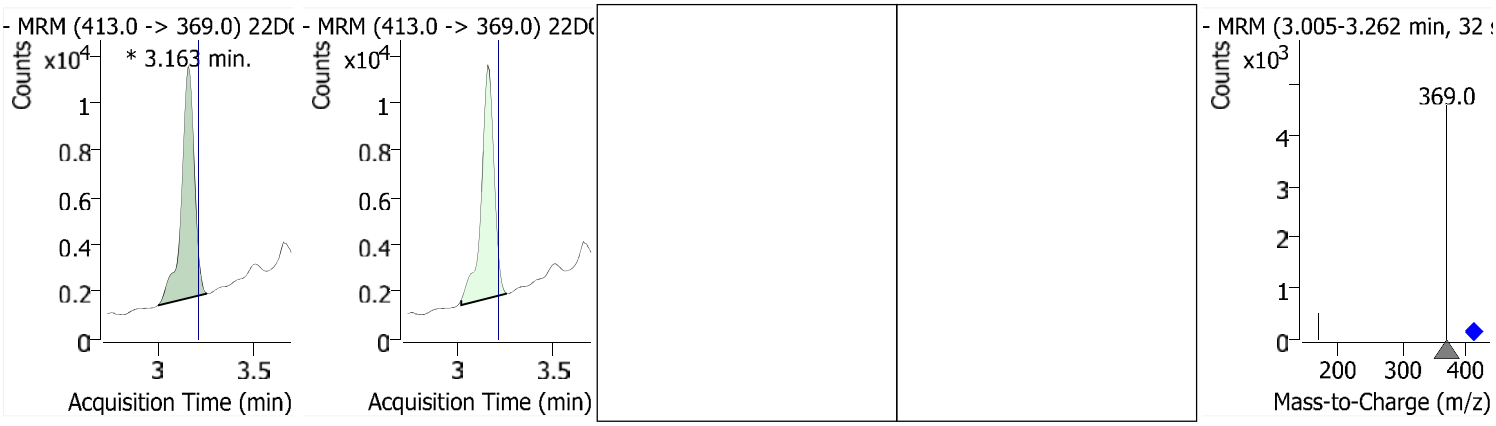
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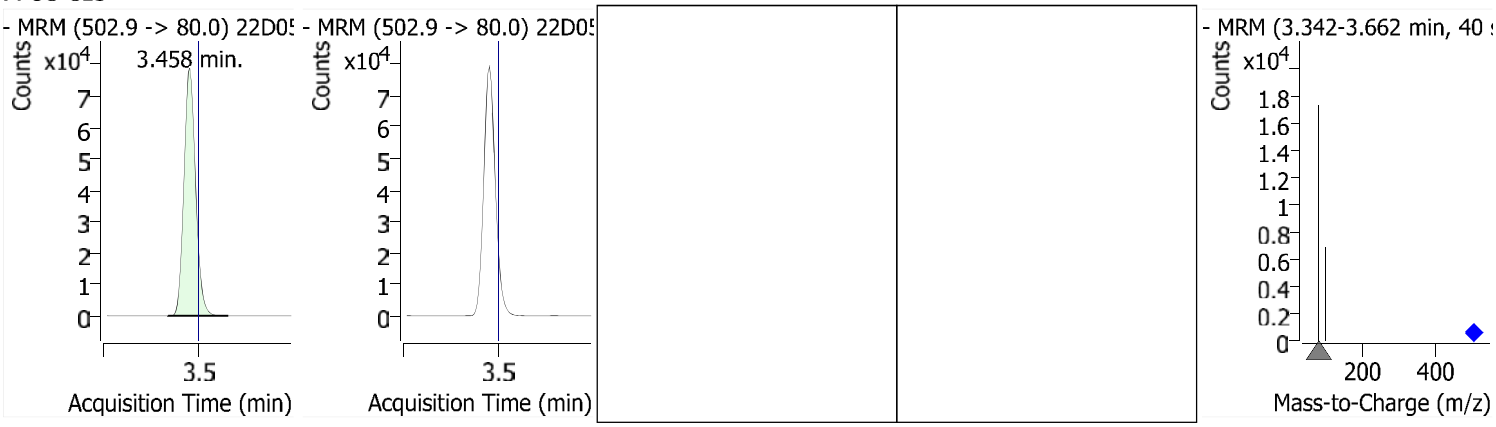
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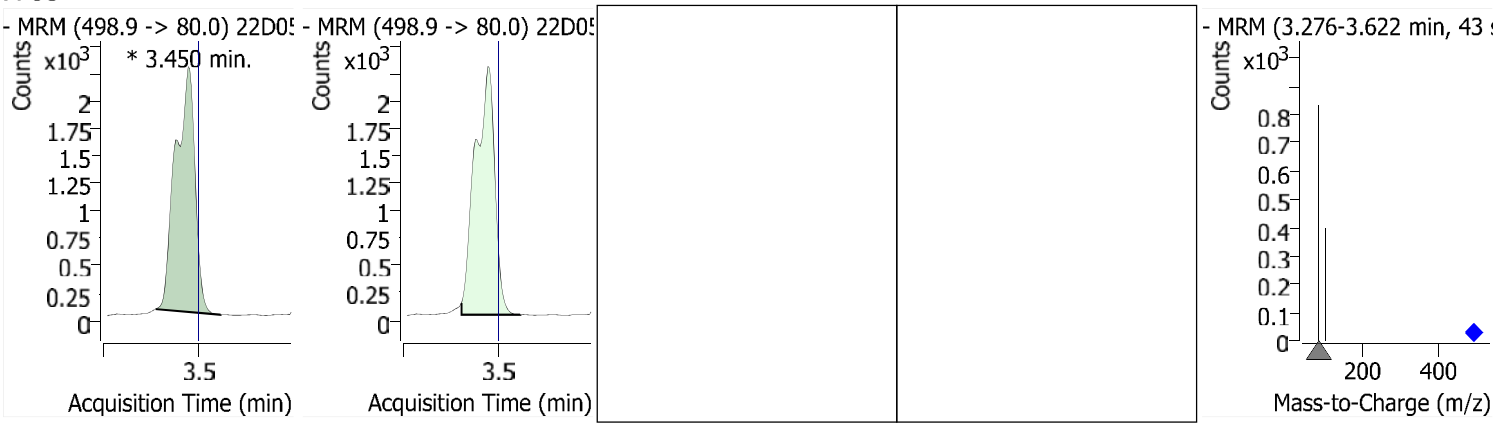
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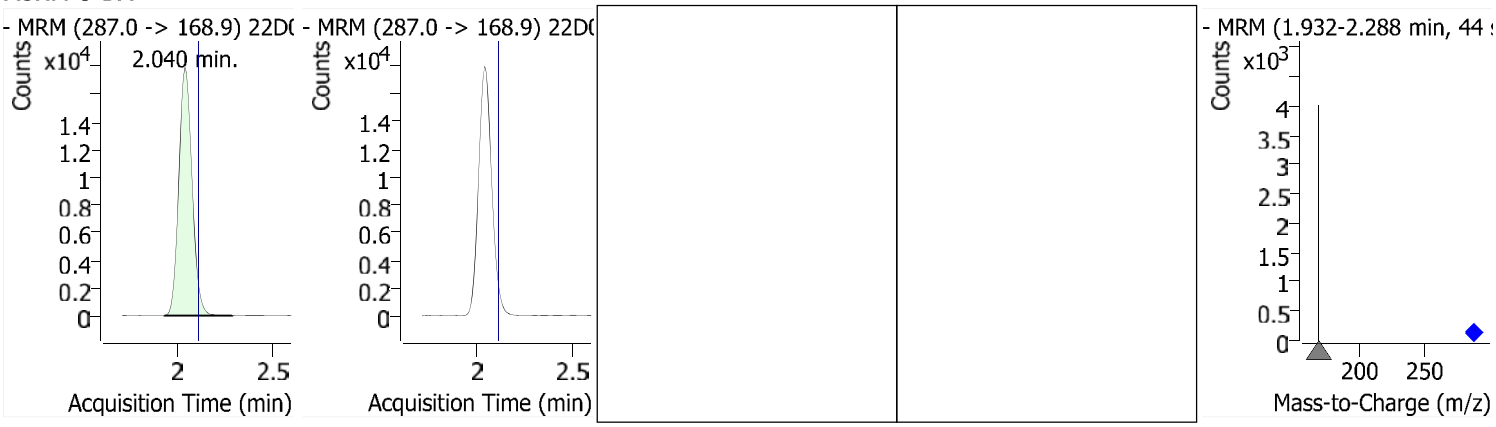
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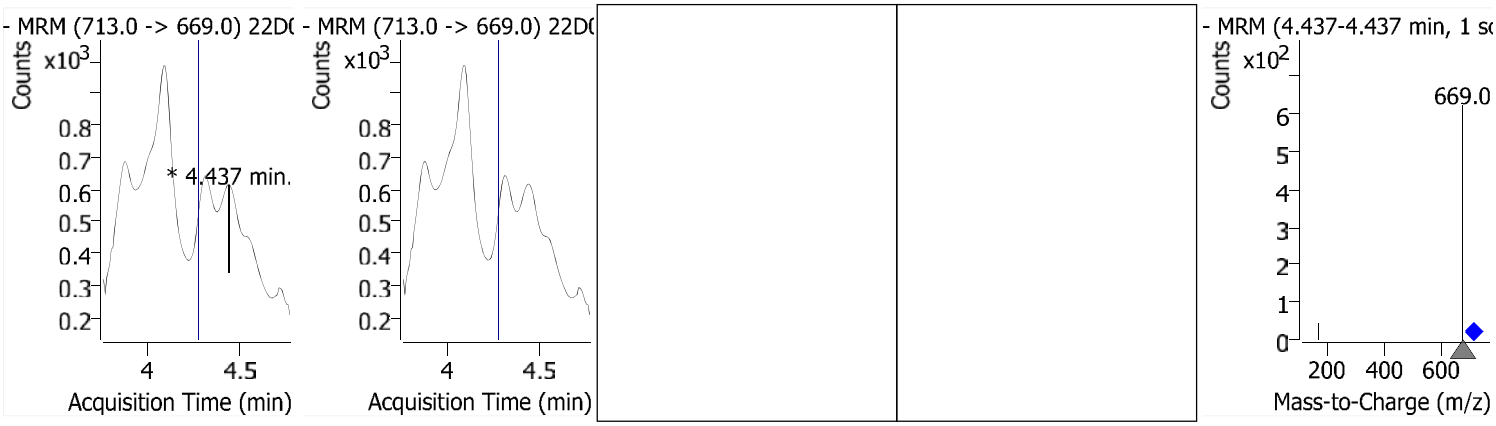
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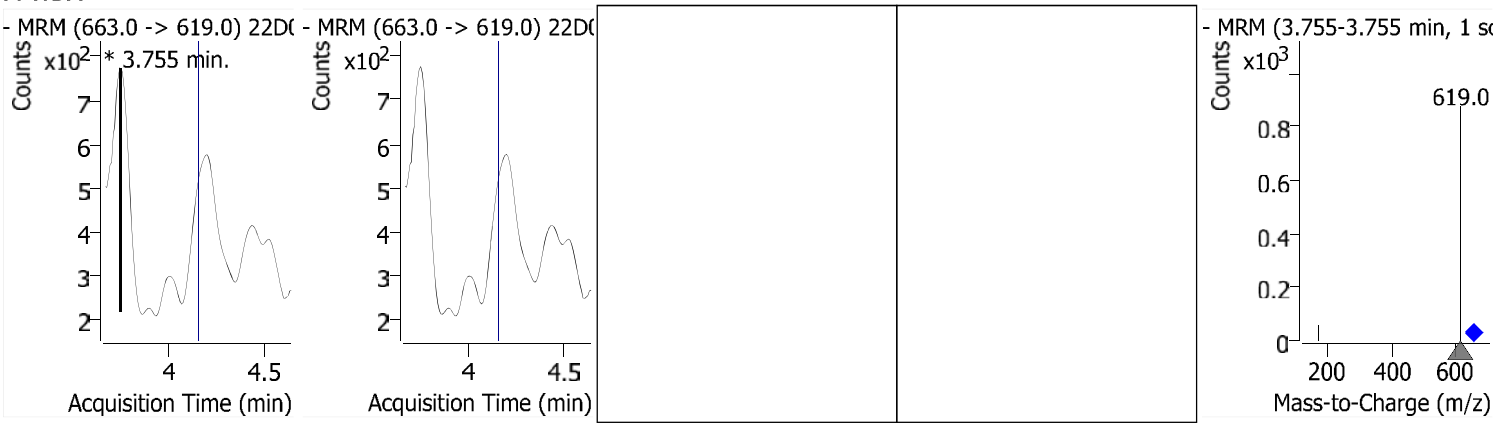
M3HFPO-DA



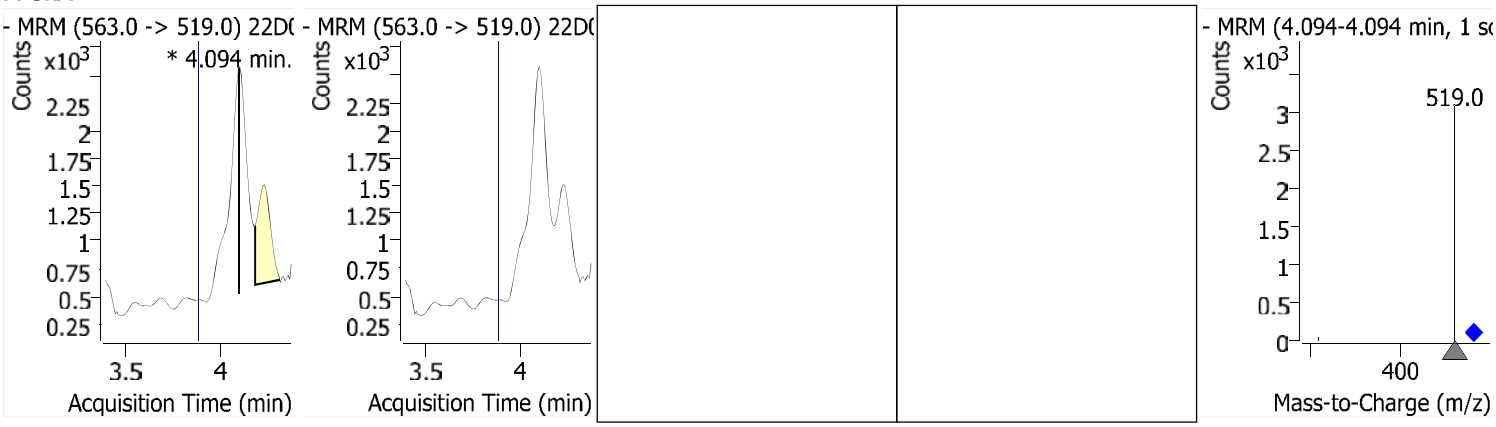
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 s(
Counts
x10^3
519.0
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

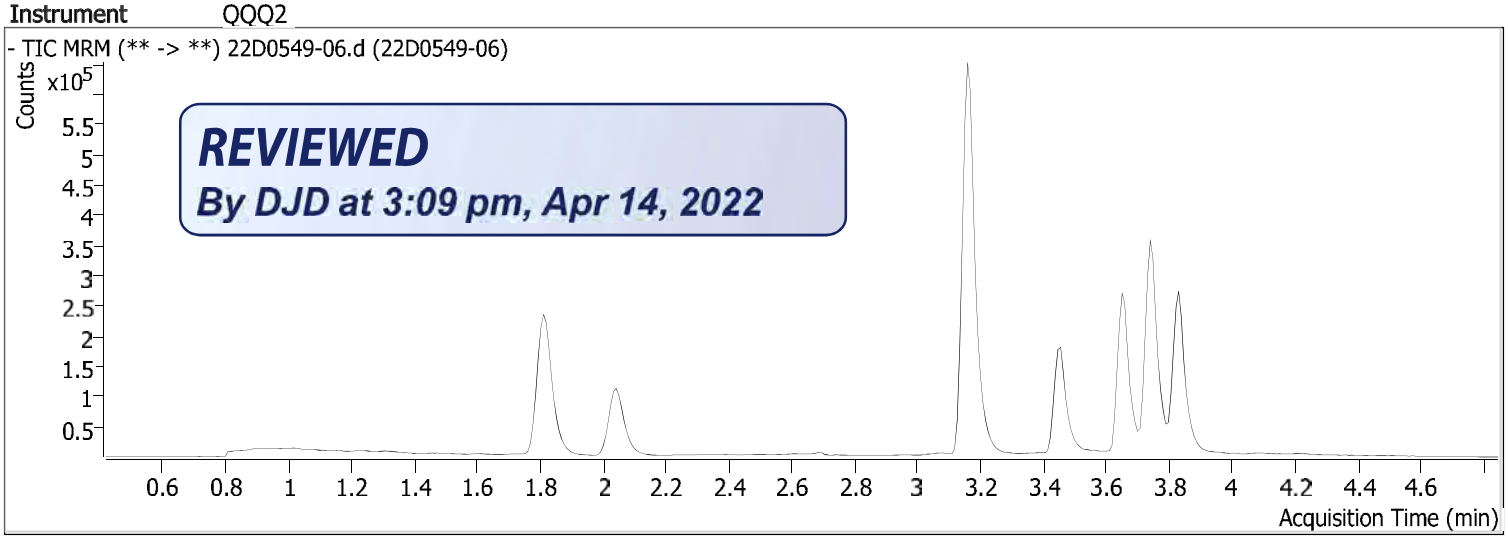
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-06	File ID:	22D0549-06.d
Sampled:	04/06/22 13:03	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:45
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	268.49 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

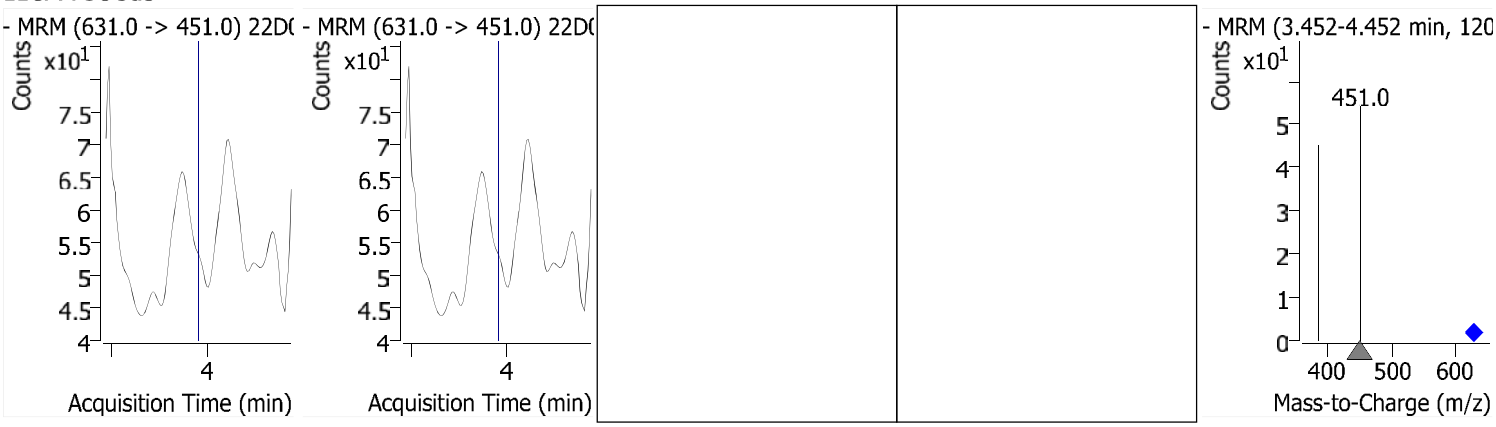
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.7	0.60	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.97	0.81	1.9	J
375-95-1	Perfluorononanoic acid (PFNA)		0.82	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.68	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.55	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.82	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.71	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.76	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:45 PM	Data File	22D0549-06.d
Sample Type	Sample	Sample Name	22D0549-06
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

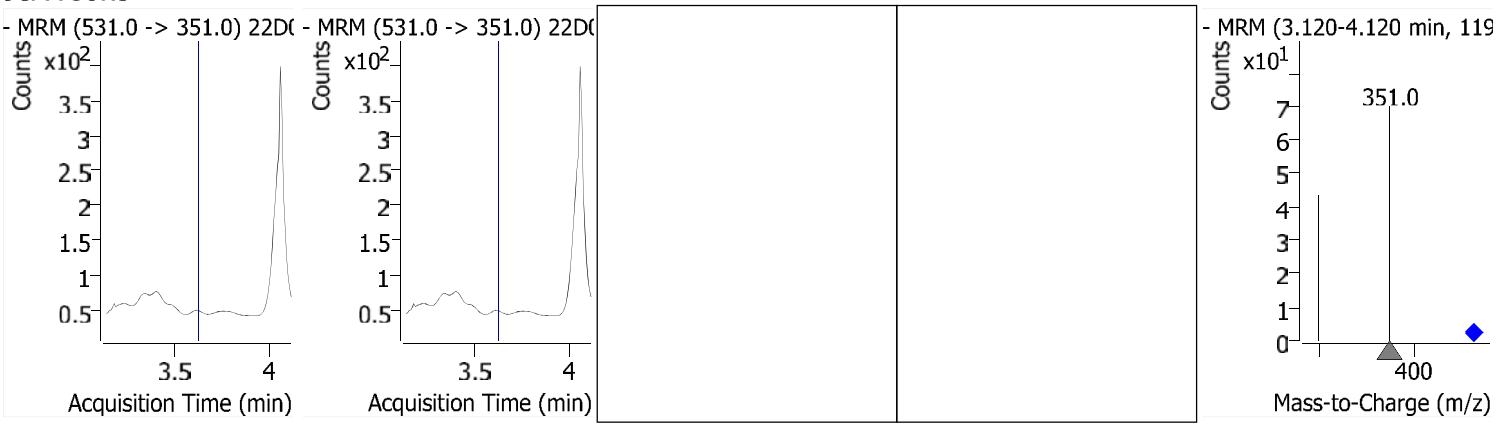


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	336967	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	336967	ND	pg/ml			
ADONA			PFOA C13	3.162	931548	ND	pg/ml			
d5-N-EtFOSAA	3.831	692963	d3-N-MeFOSAA	3.741	914733	32725.5296	pg/ml			
HFPO-DA	2.082	0	PFOA C13	3.162	931548	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	914733	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	914733	ND	pg/ml			
PFBS	1.308	3440	PFOS C13	3.458	336967	161.3863	pg/ml	✔	3	DRL 04/14/22
PFDA C13	3.653	682918	PFOA C13	3.162	931548	8503.6099	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	931548	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.215	0	PFOA C13	3.162	931548	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA	2.617	3666	PFOA C13	3.162	931548	92.3333	pg/ml			
PFHxA C13	1.813	776928	PFOA C13	3.162	931548	9114.6225	pg/ml			
PFHxA	1.822	10175	PFOA C13	3.162	931548	155.6120	pg/ml	✔	3	DRL 04/14/22
PFHxS	2.708	10367	PFOS C13	3.458	336967	726.1792	pg/ml			
PFNA	3.484	0	PFOA C13	3.162	931548	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.171	19573	PFOA C13	3.162	931548	207.3759	pg/ml	✔	3	DRL 04/14/22
PFOS	3.450	3081	PFOS C13	3.458	336967	261.2638	pg/ml	✔	3	DRL 04/14/22
M3HFPO-DA	2.040	83485	PFOA C13	3.162	931548	9629.9435	pg/ml			
PFTA	4.099	0	PFOA C13	3.162	931548	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	931548	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	931548	ND	pg/ml	✔	1	DRL 04/14/22

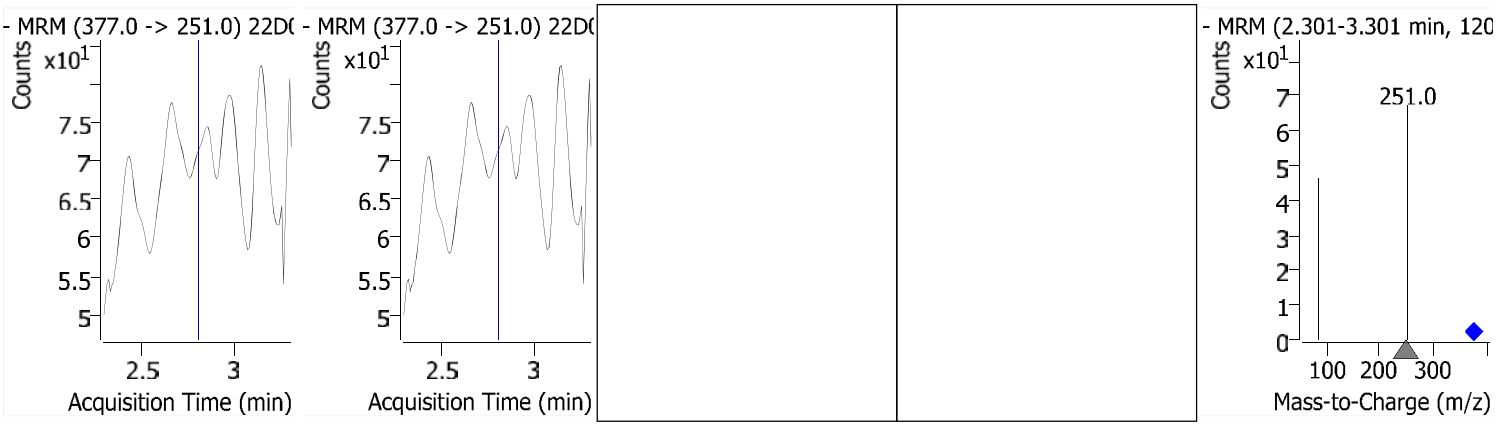
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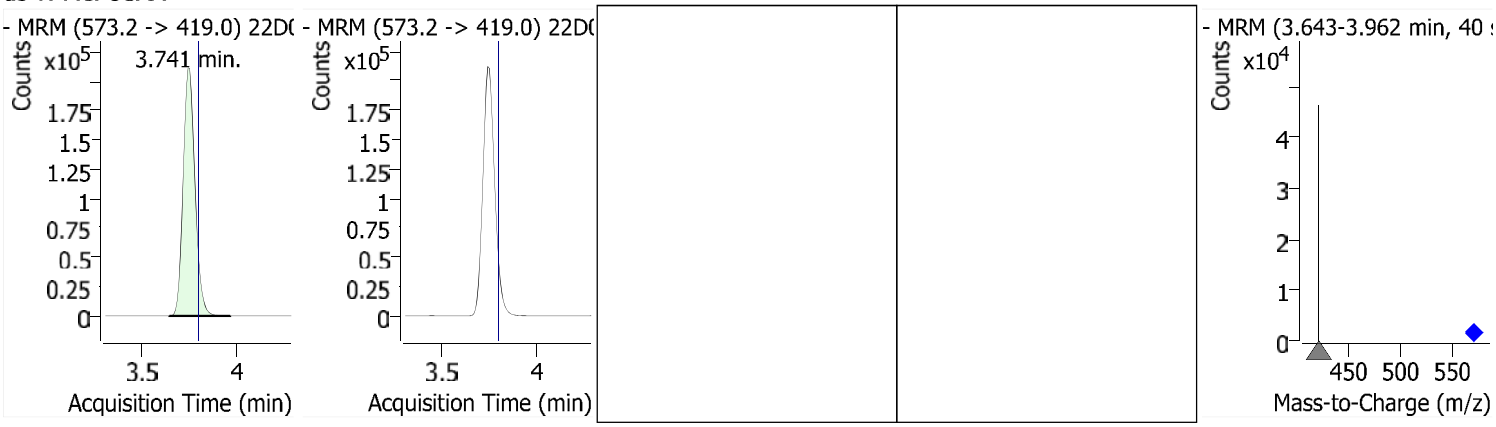
9Cl-PF3ONS



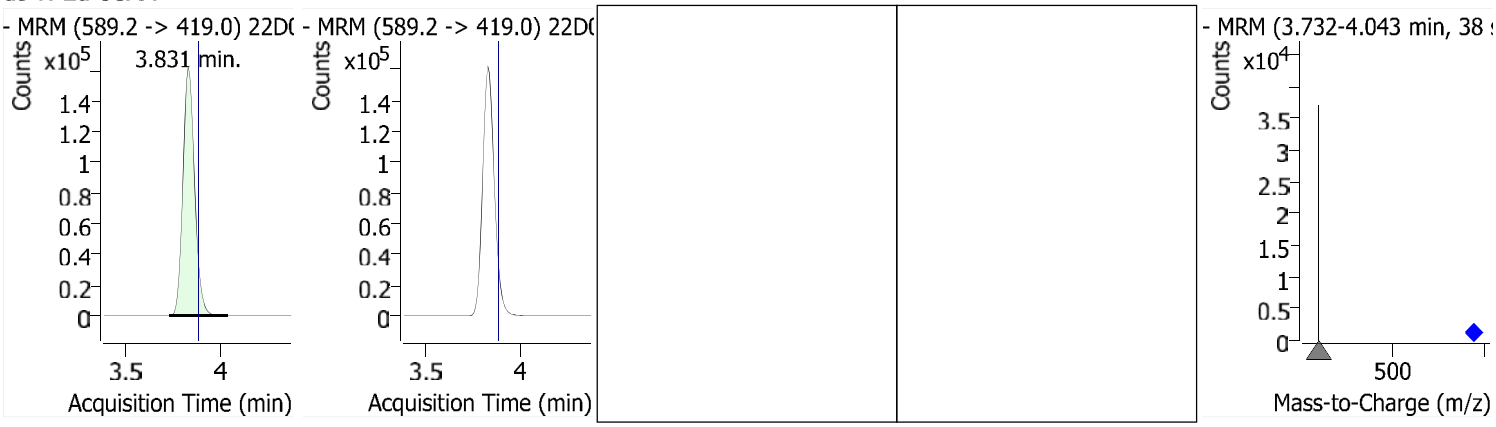
ADONA



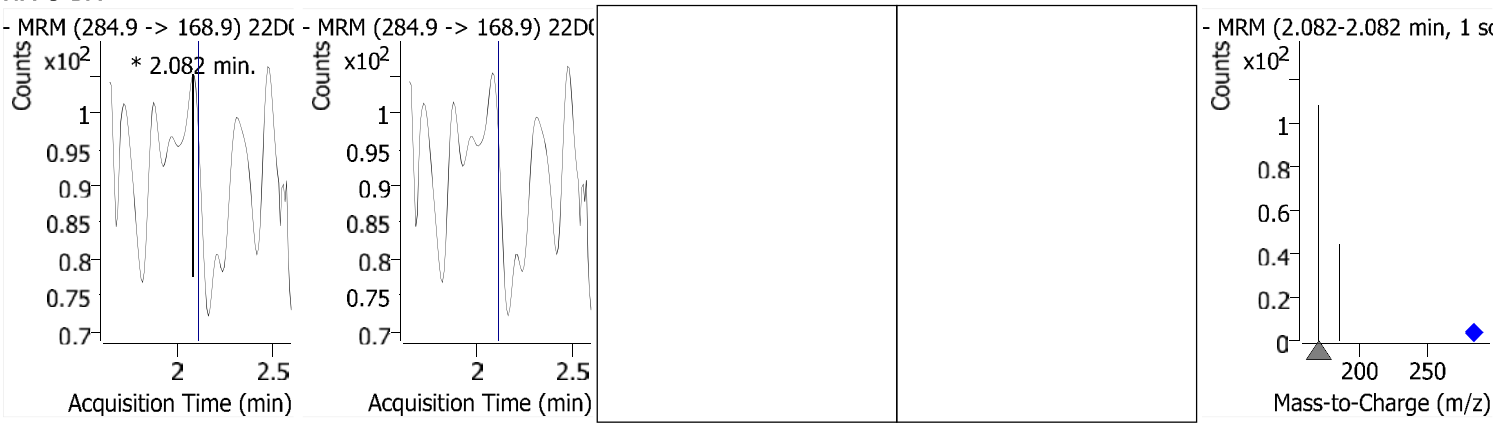
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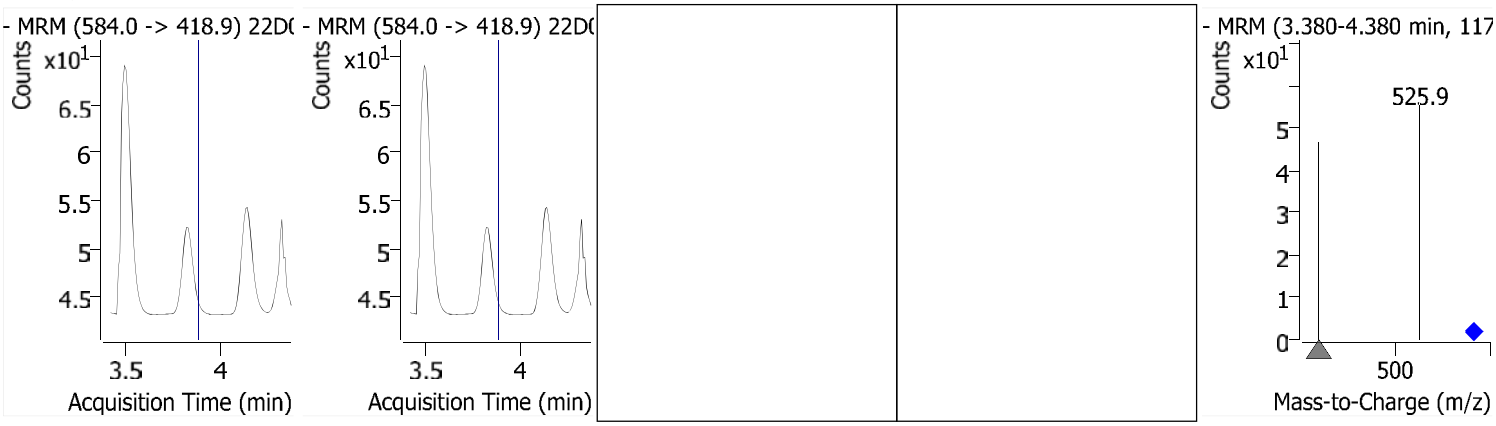
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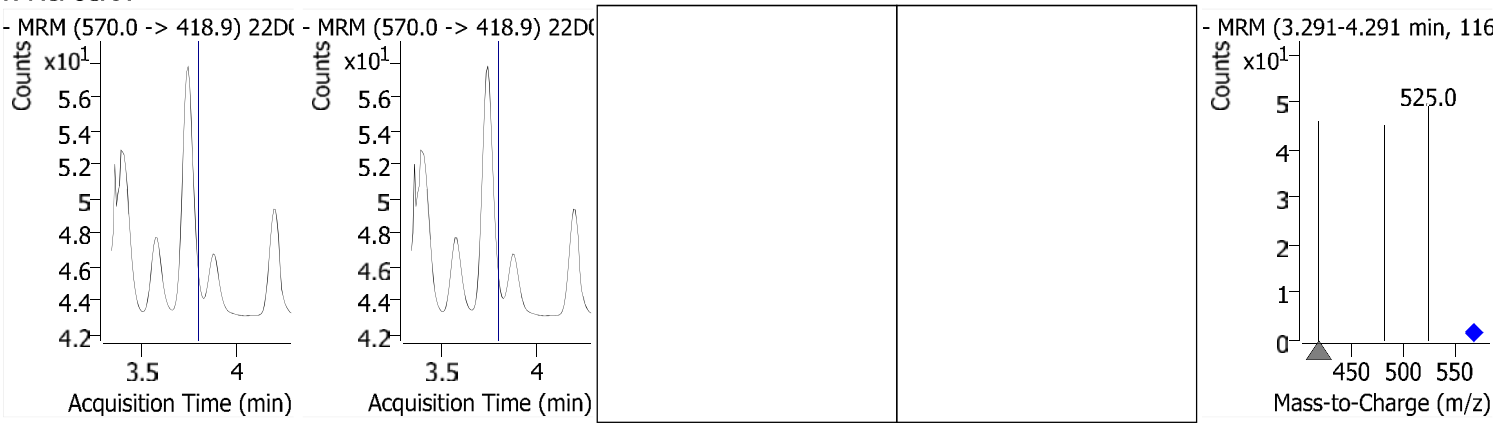
HFPO-DA



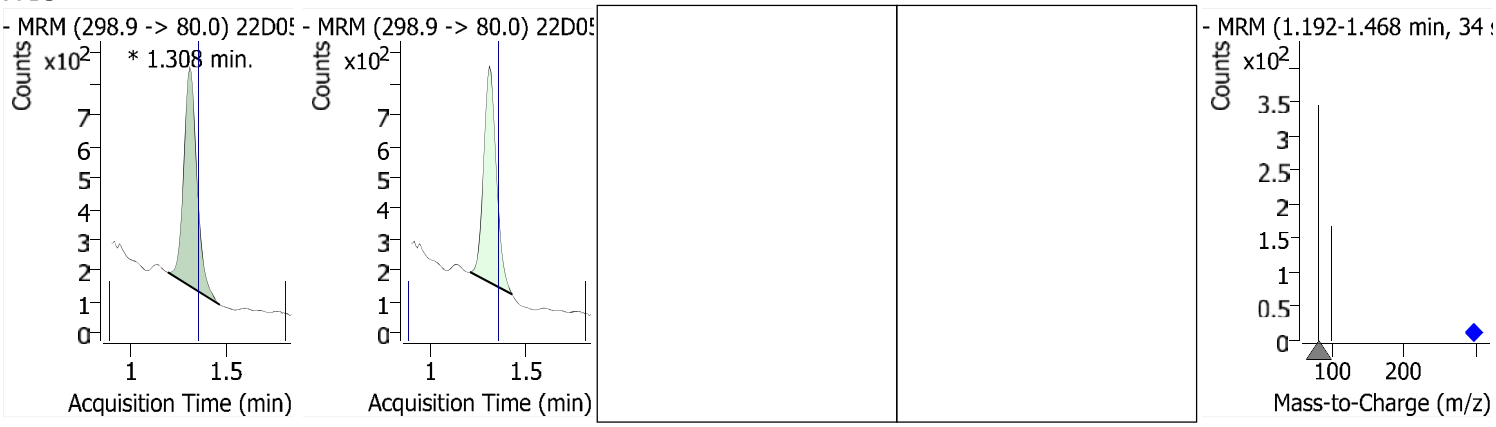
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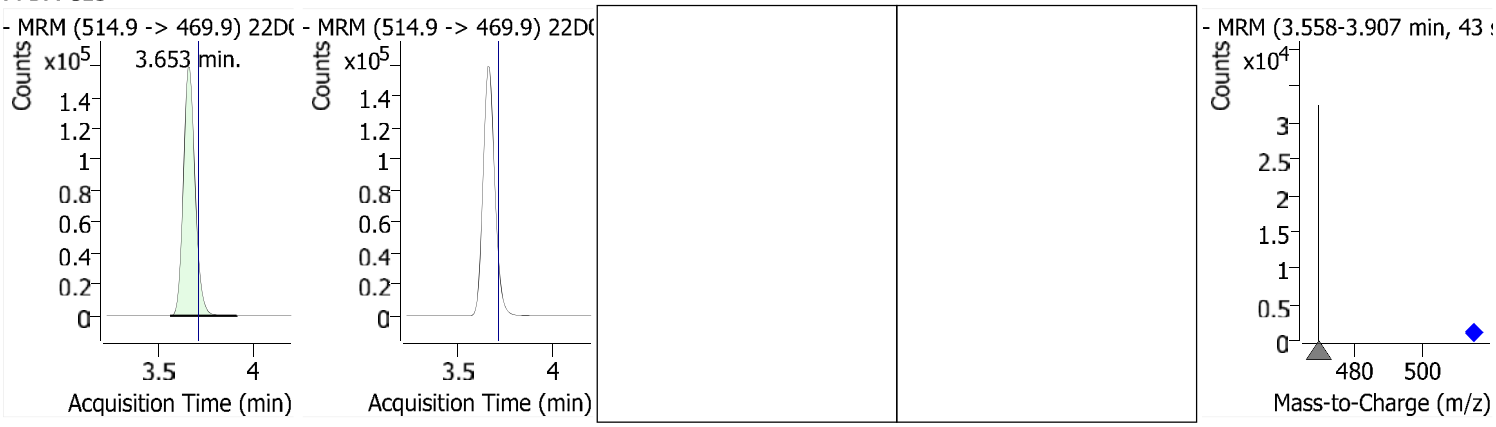
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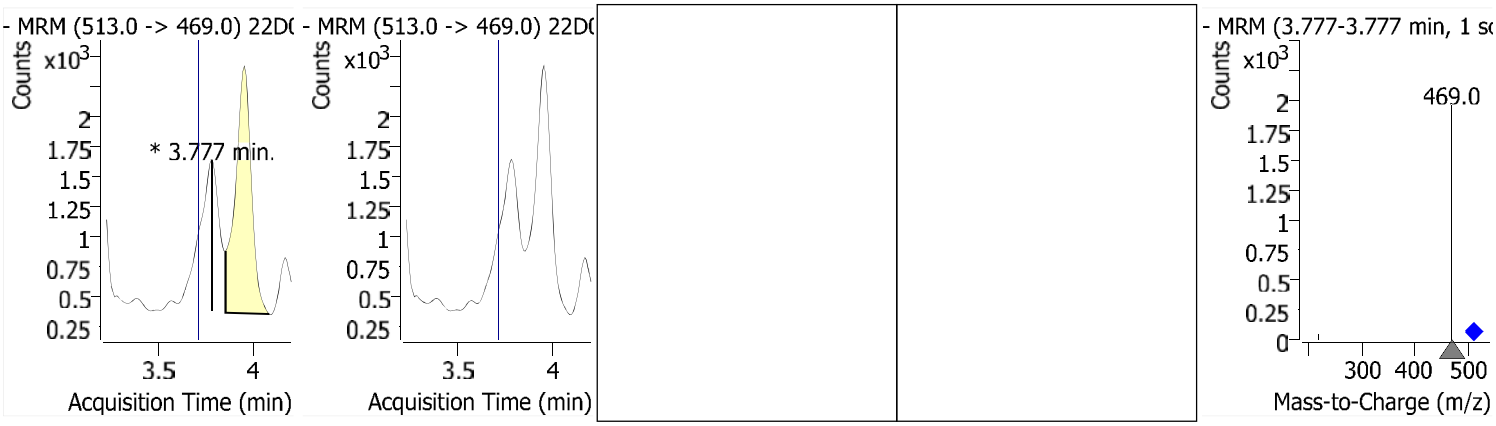
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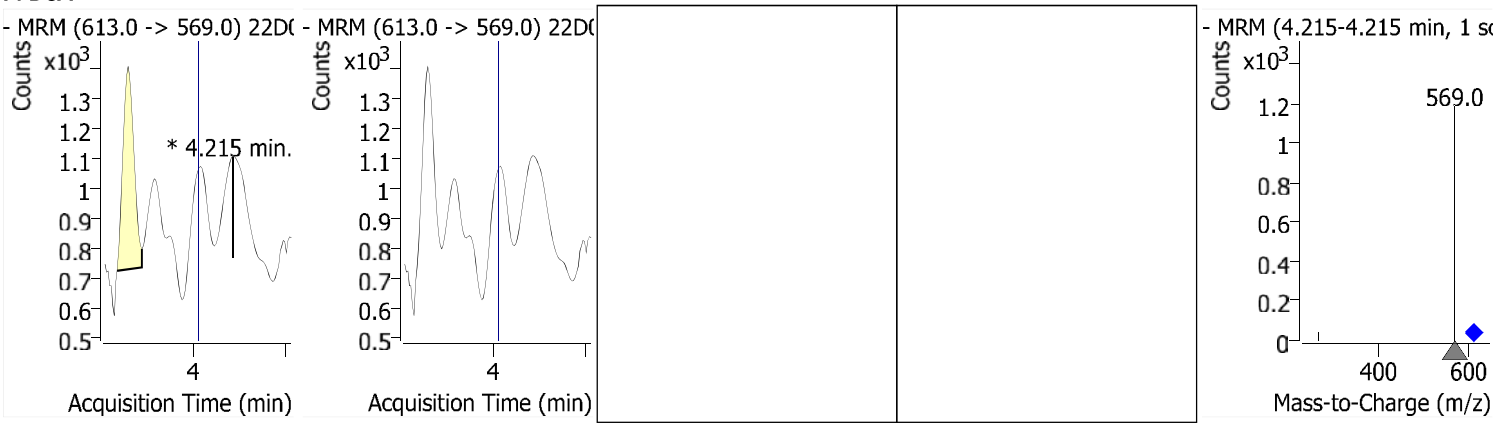
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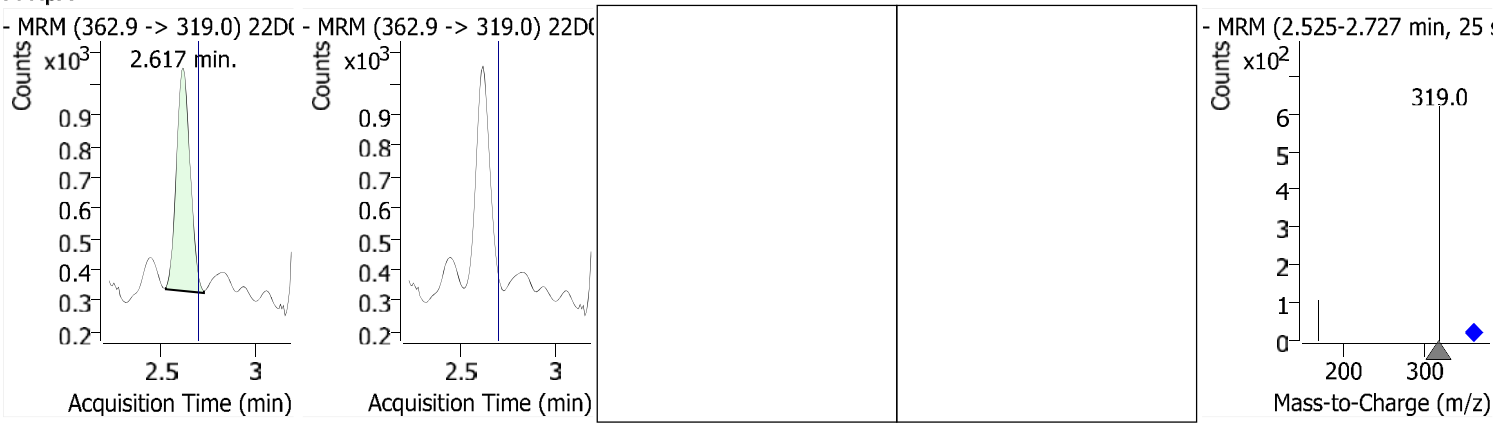
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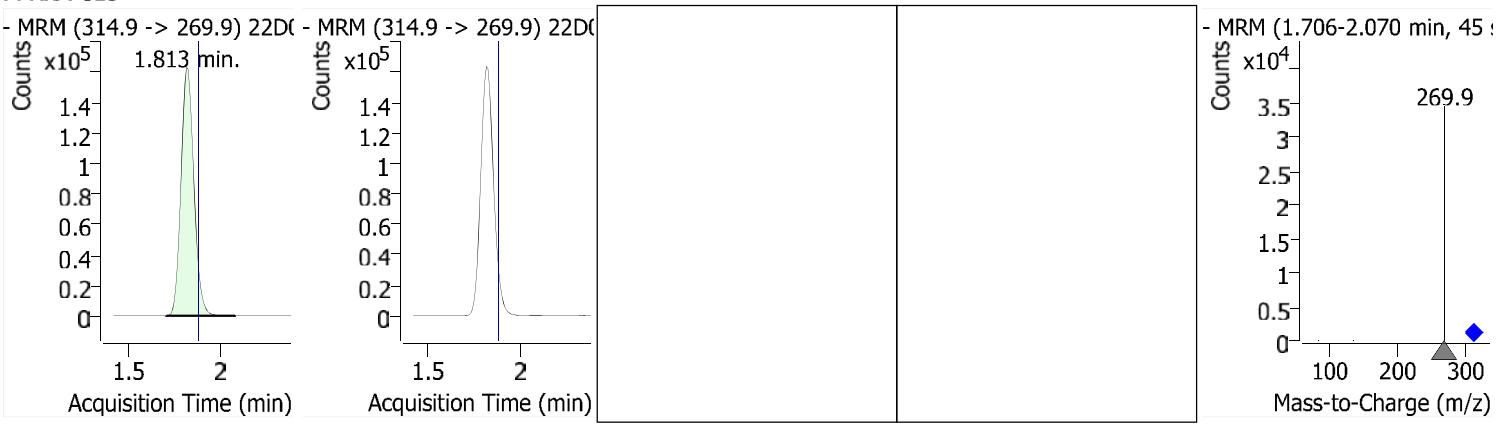
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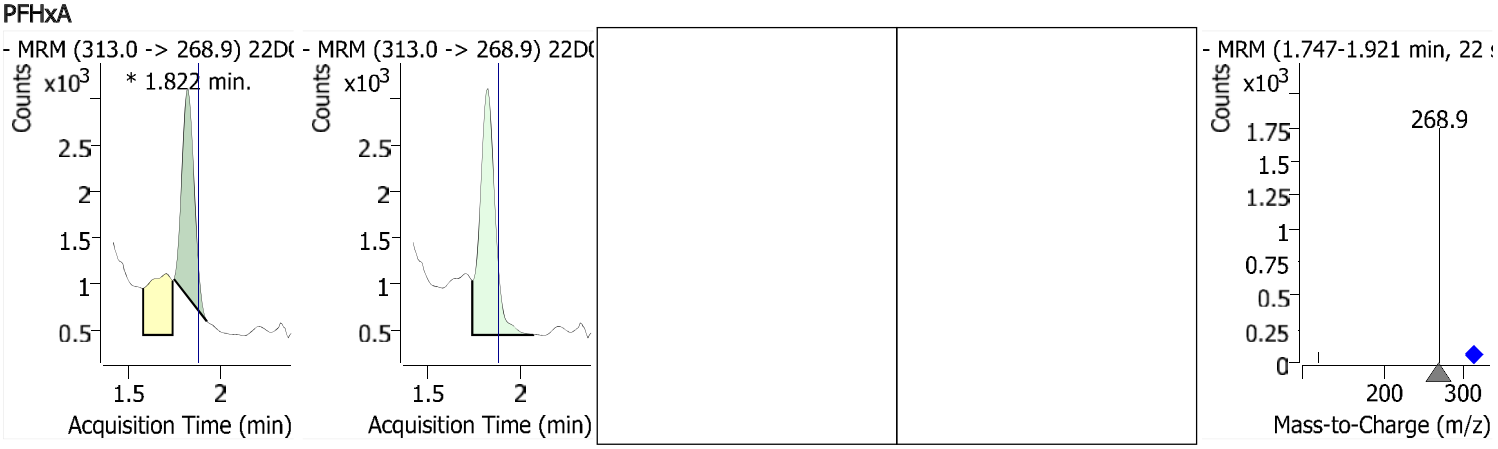
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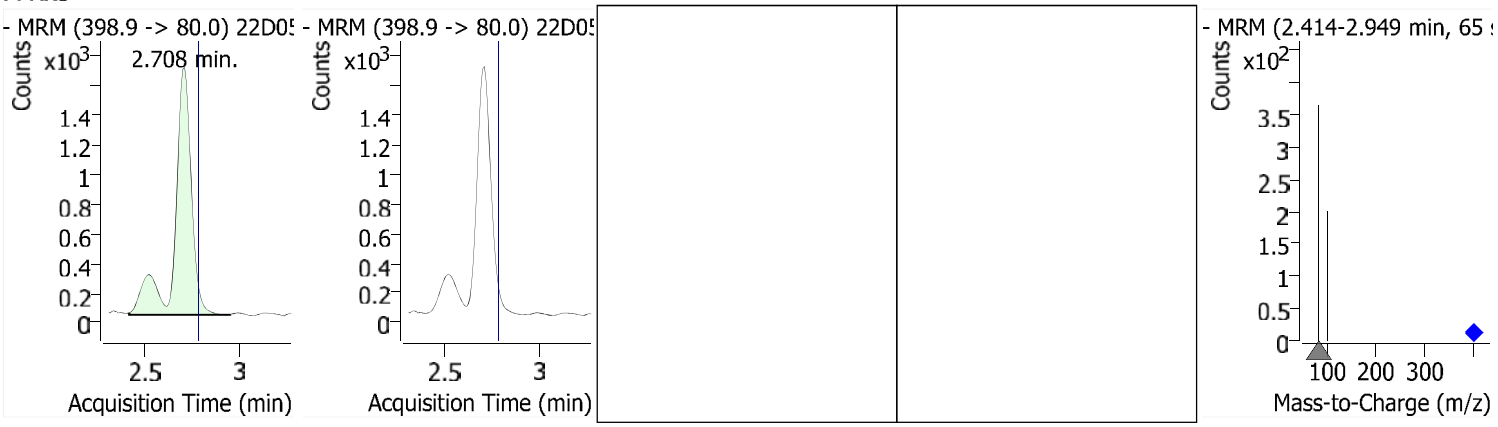
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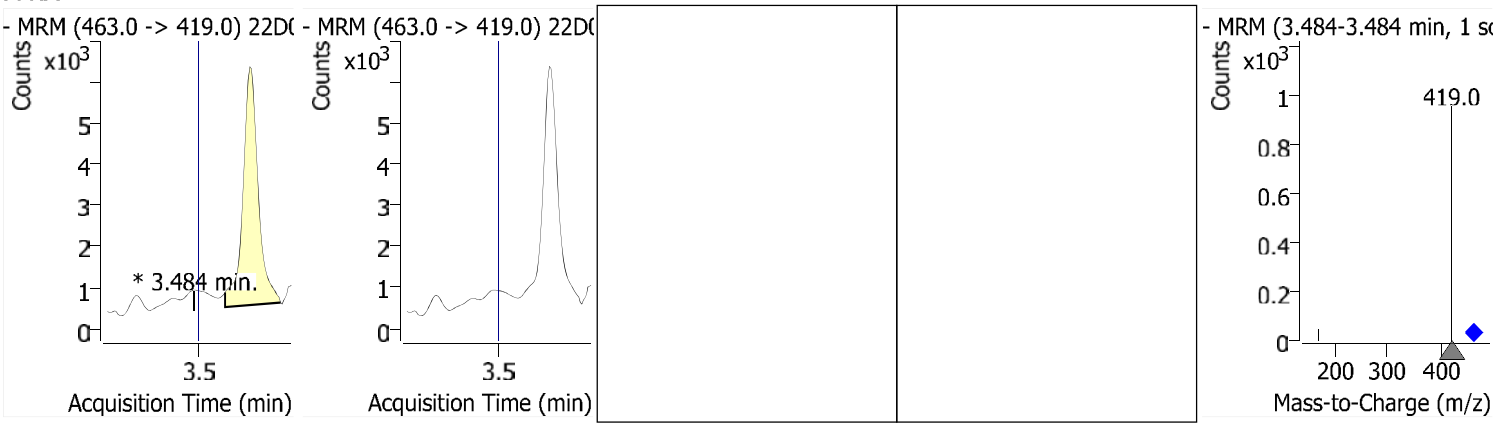
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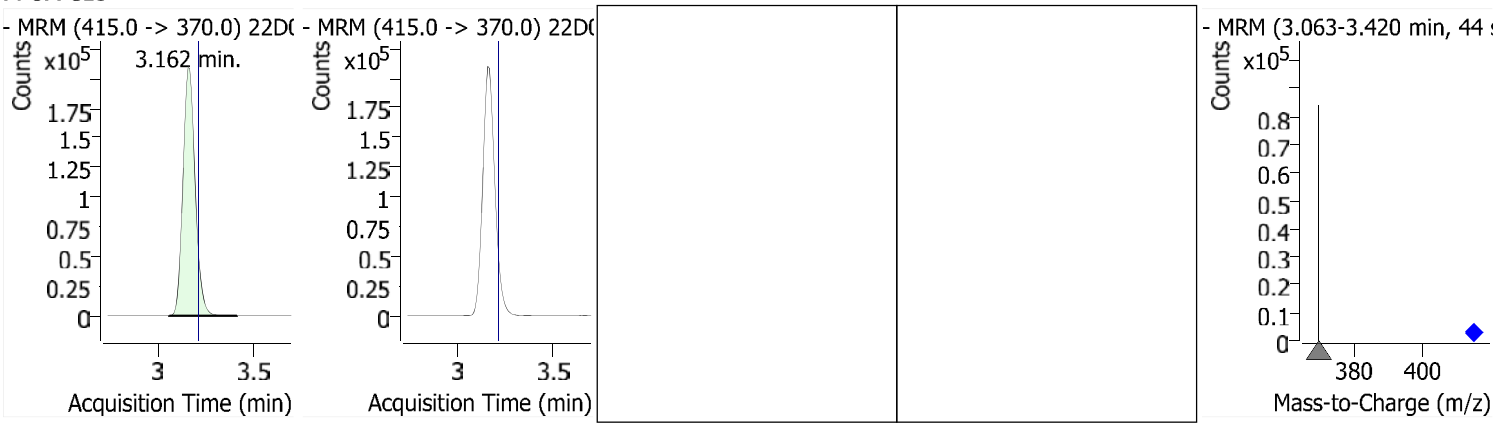
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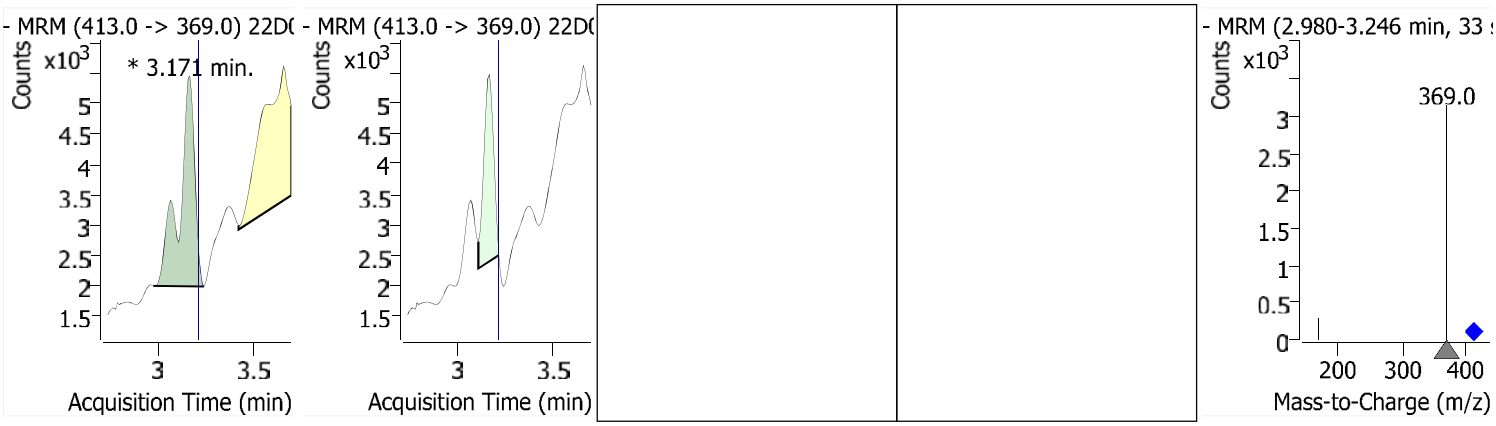
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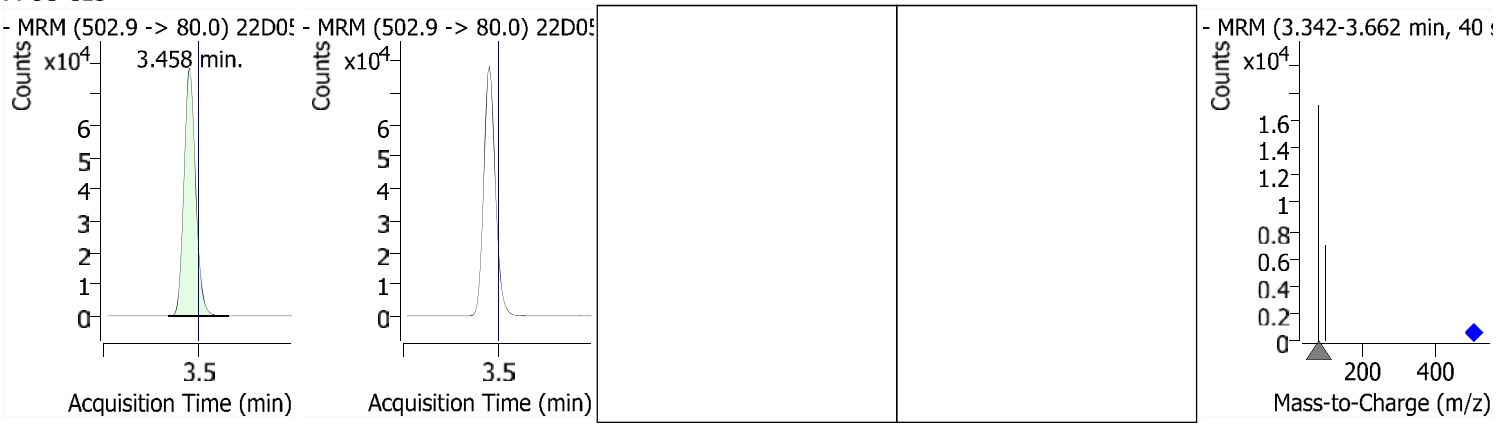
PFOA C13



PFOA



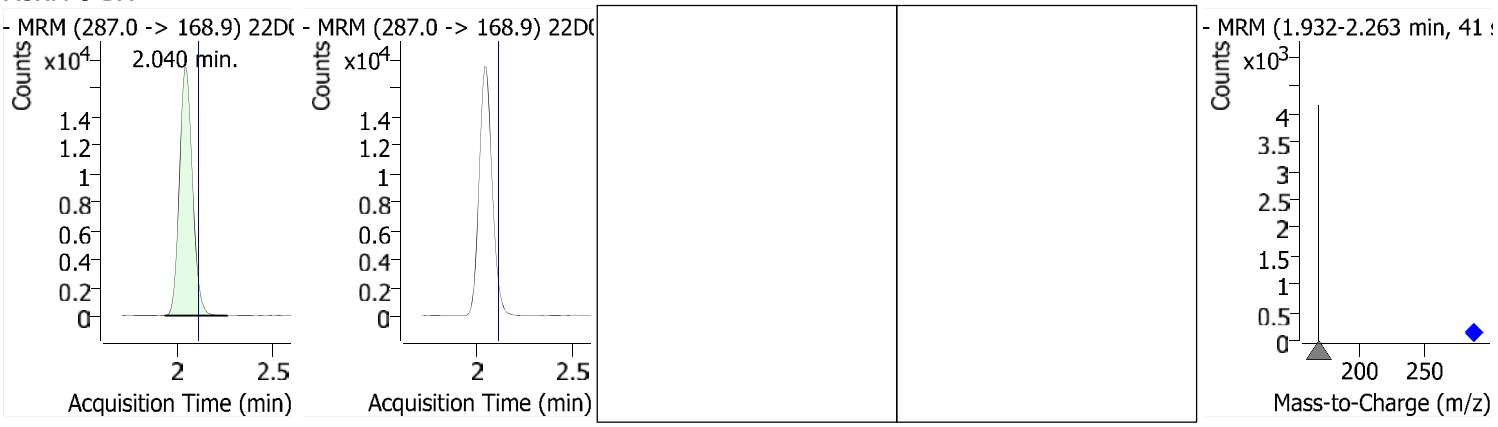
PFOS C13



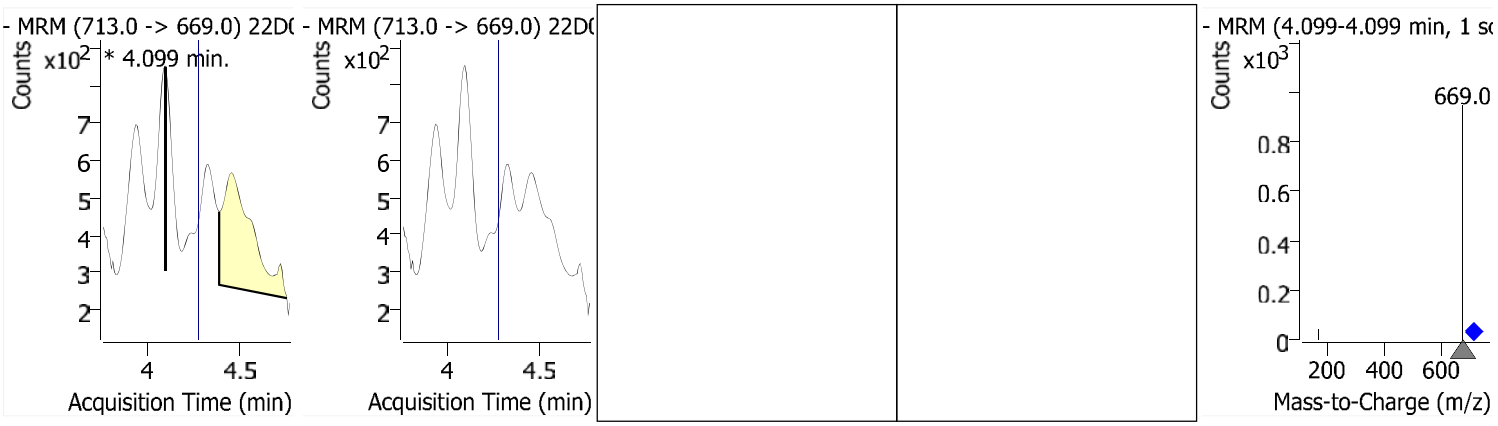
PFOS



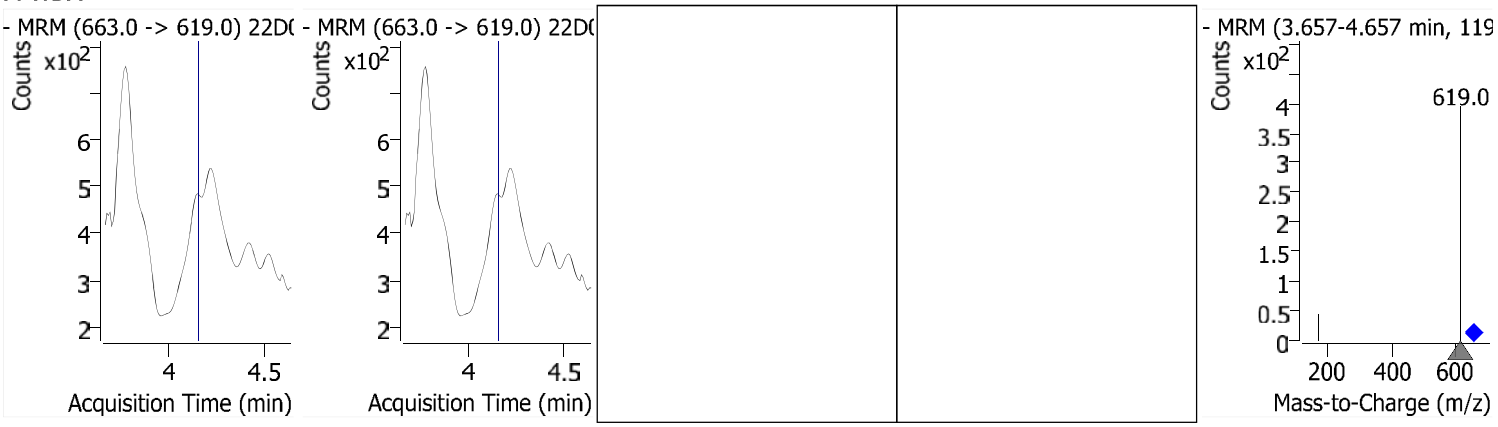
M3HFPO-DA



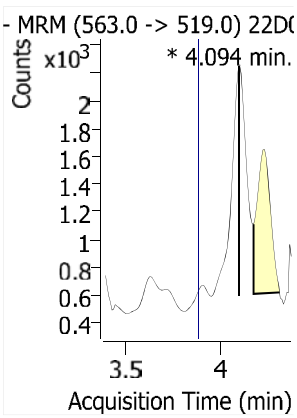
PFTA

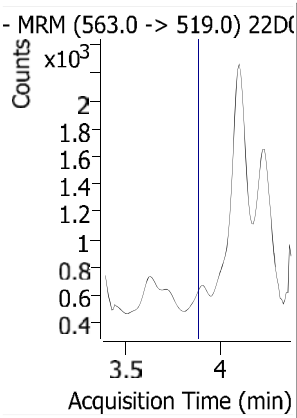


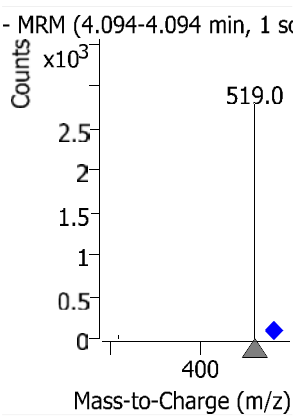
PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)


- MRM (4.094-4.094 min, 1 sc
Counts
x10^3
519.0
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

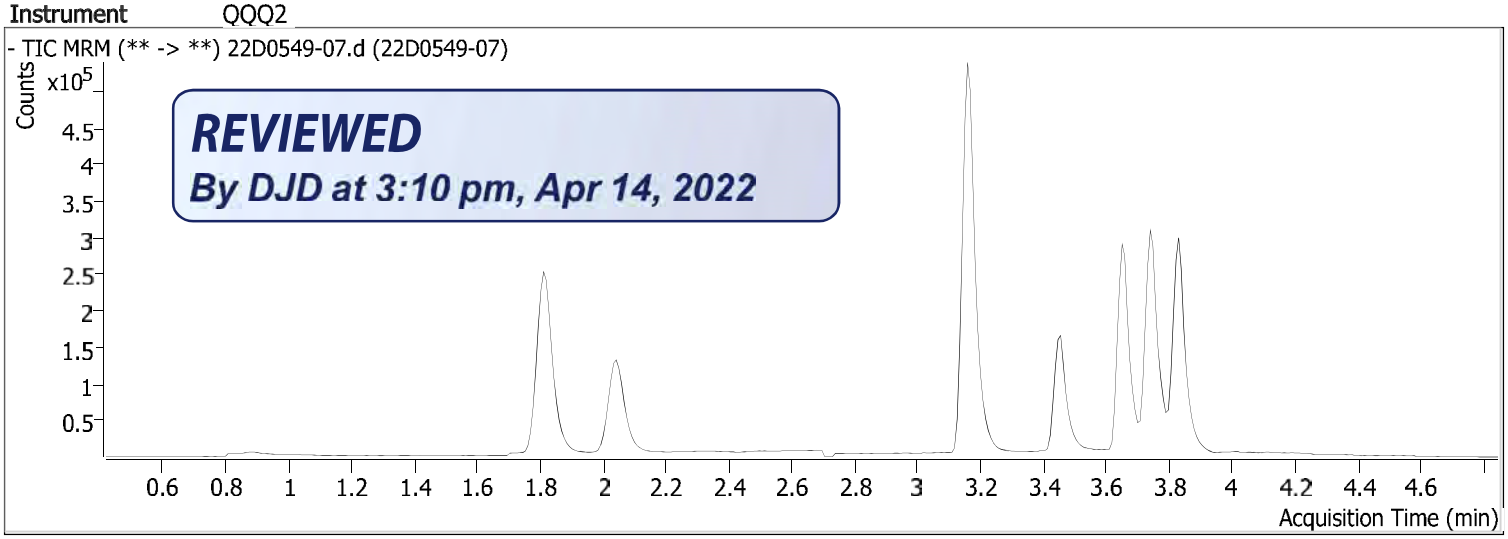
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-118S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-07	File ID:	22D0549-07.d
Sampled:	04/06/22 10:59	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:53
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	265.74 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

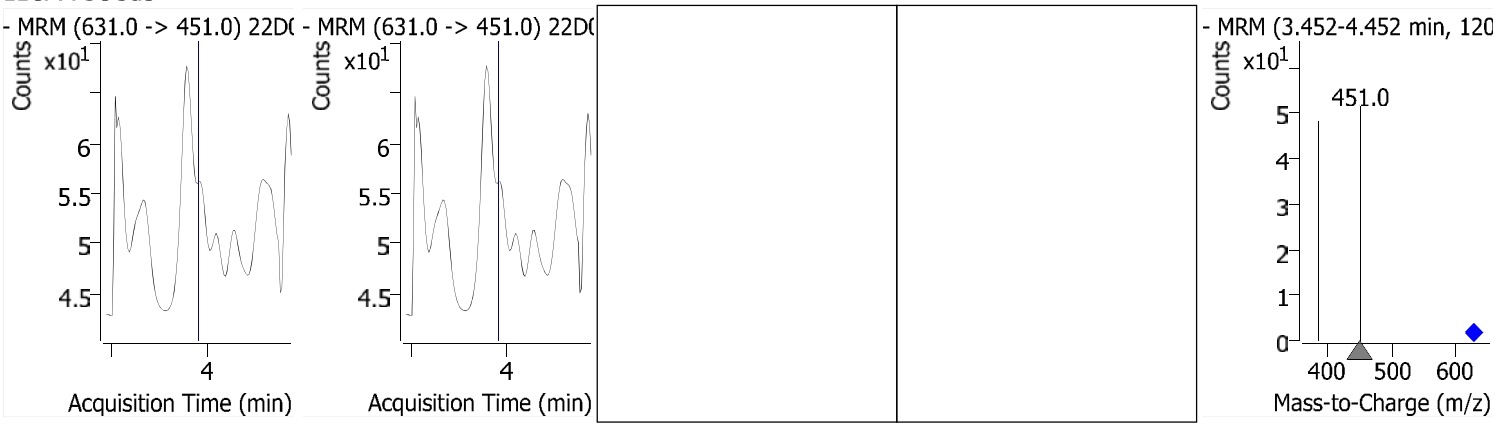
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.84	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.64	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.64	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.59	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.86	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:53 PM	Data File	22D0549-07.d
Sample Type	Sample	Sample Name	22D0549-07
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

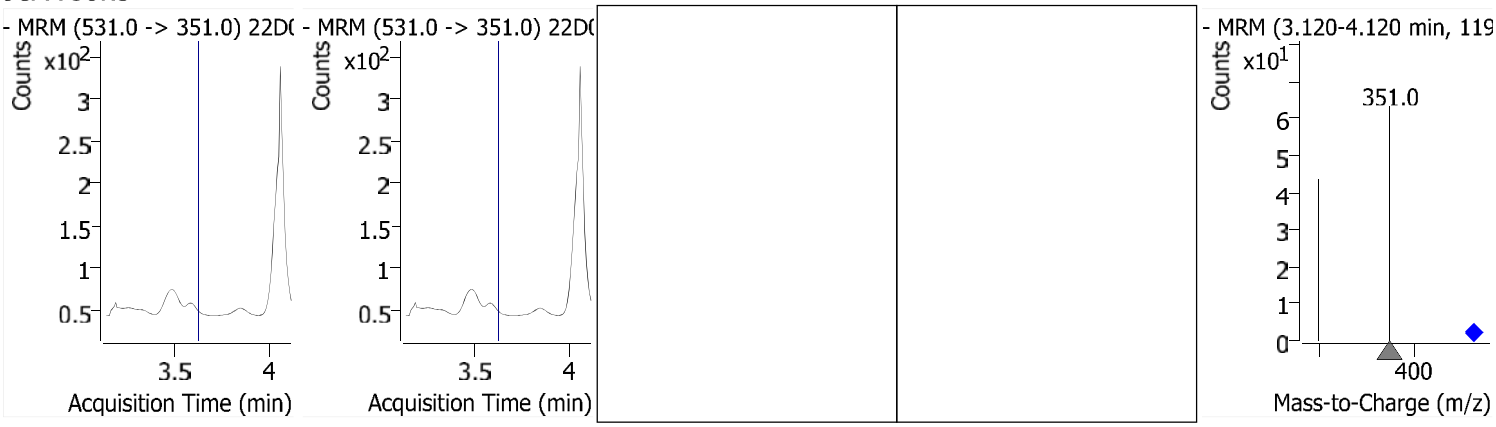


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	304308	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	304308	ND	pg/ml			
ADONA			PFOA C13	3.162	777847	ND	pg/ml			
d5-N-EtFOSAA	3.831	758562	d3-N-MeFOSAA	3.741	767363	42703.2488	pg/ml			
HFPO-DA			PFOA C13	3.162	777847	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	767363	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	767363	ND	pg/ml			
PFBS			PFOS C13	3.458	304308	ND	pg/ml			
PFDA C13	3.653	738866	PFOA C13	3.162	777847	11018.2254	pg/ml			
PFDA	3.768	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.174	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	777847	ND	pg/ml			
PFHxA C13	1.813	866981	PFOA C13	3.162	777847	12180.8779	pg/ml			
PFHxA			PFOA C13	3.162	777847	ND	pg/ml			
PFHxS			PFOS C13	3.458	304308	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.428	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	304308	ND	pg/ml			
M3HFPO-DA	2.040	84783	PFOA C13	3.162	777847	11712.0834	pg/ml			
PFTA	4.329	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.780	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.103	0	PFOA C13	3.162	777847	ND	pg/ml	✔	1	DRL 04/14/22

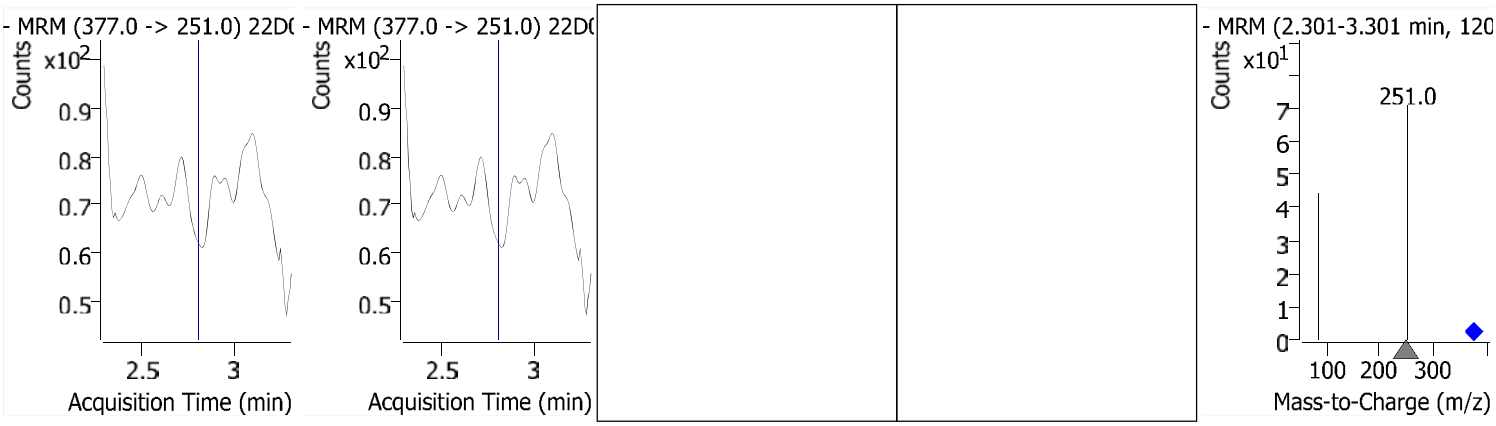
11Cl-PF3OUdS



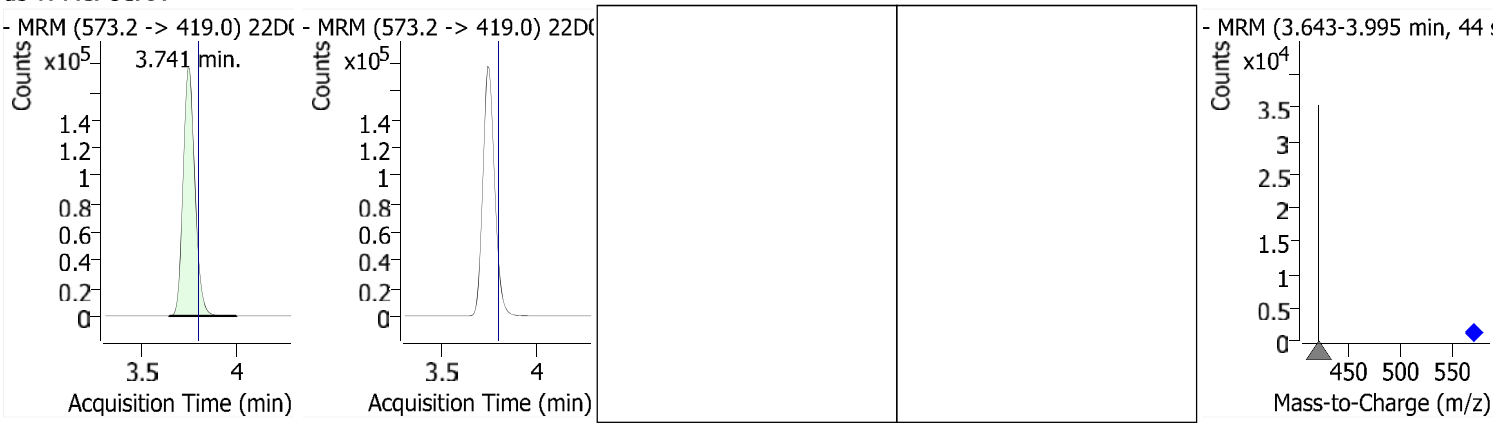
9Cl-PF3ONS



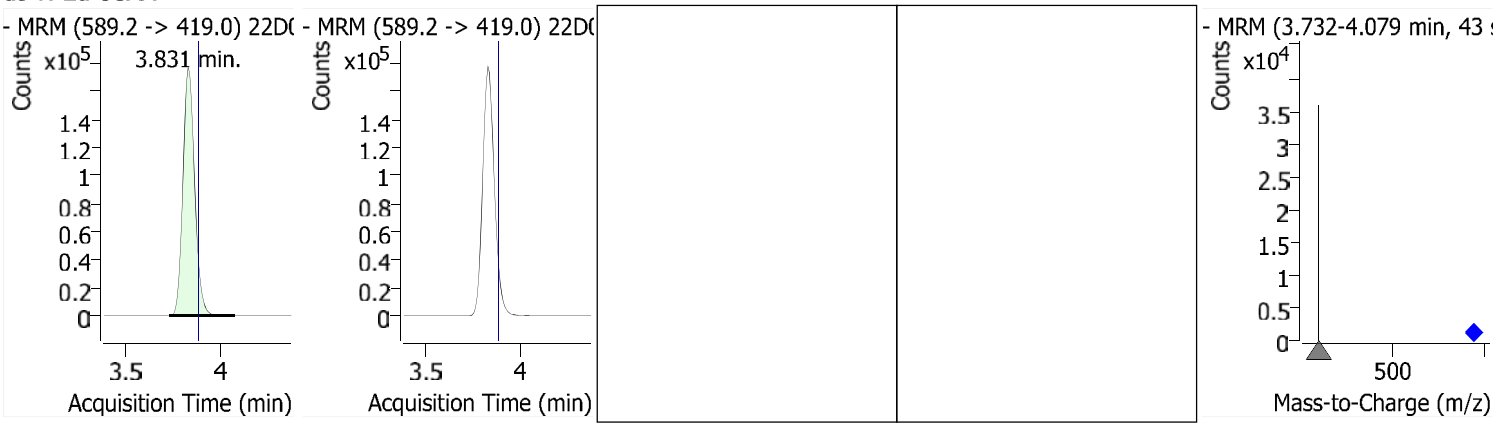
ADONA



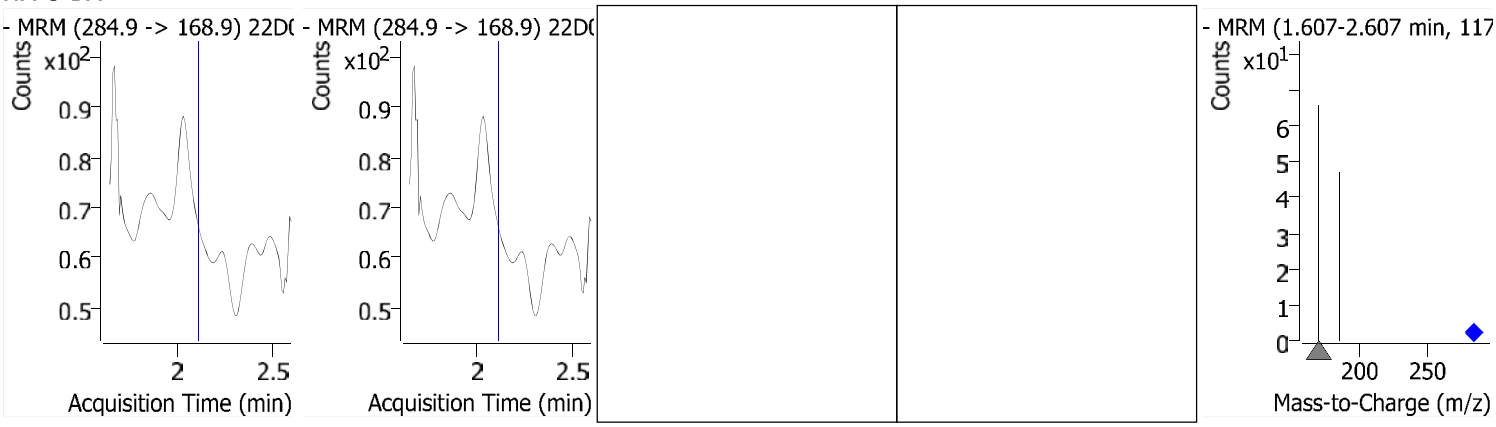
d3-N-MeFOSAA



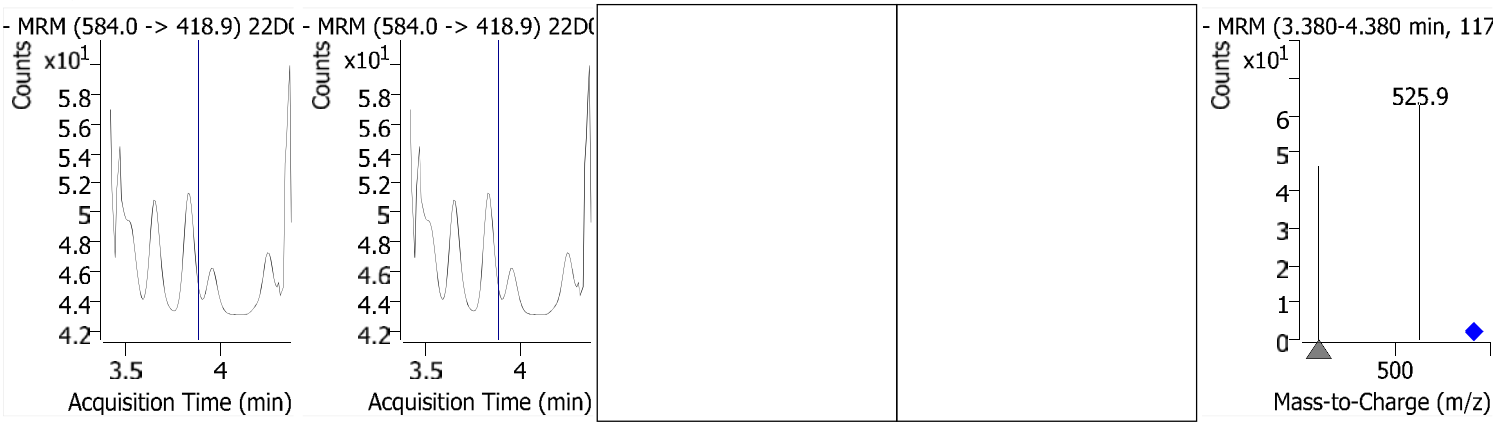
d5-N-EtFOSAA



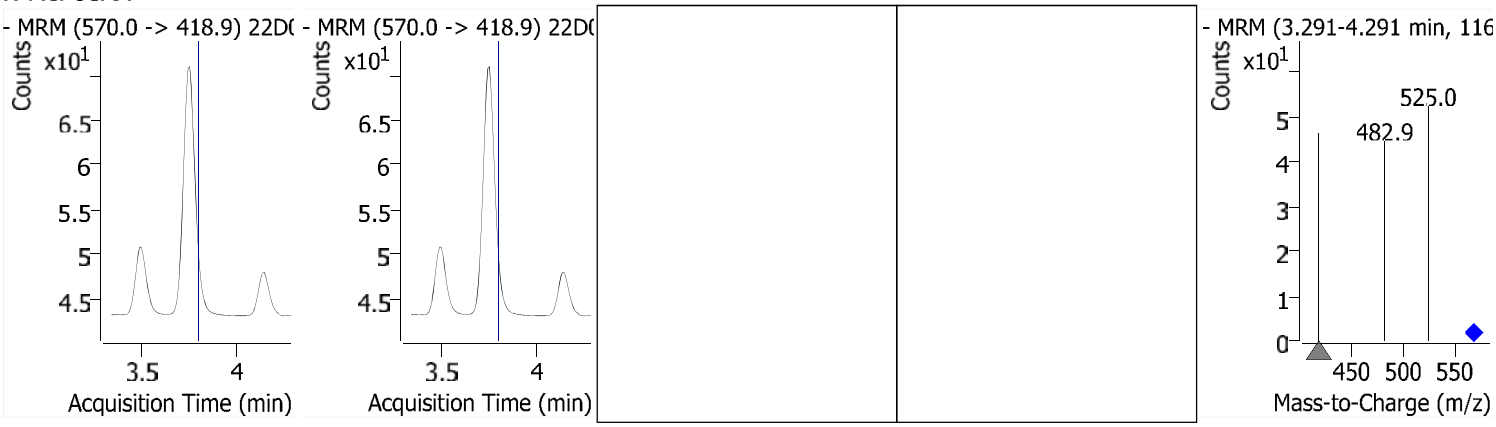
HFPO-DA



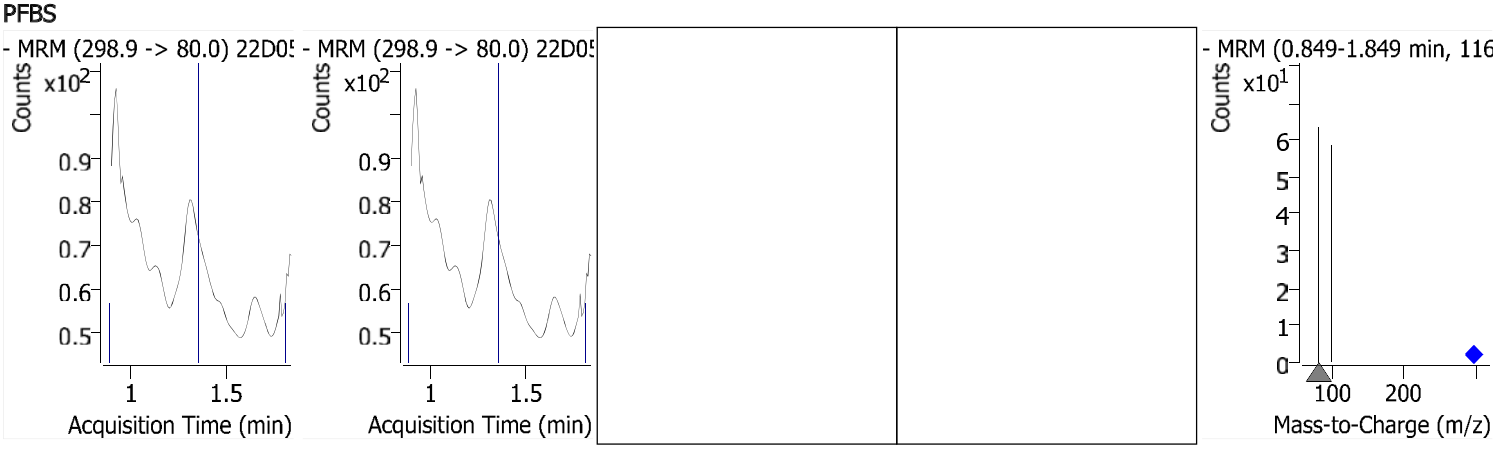
N-EtFOSAA



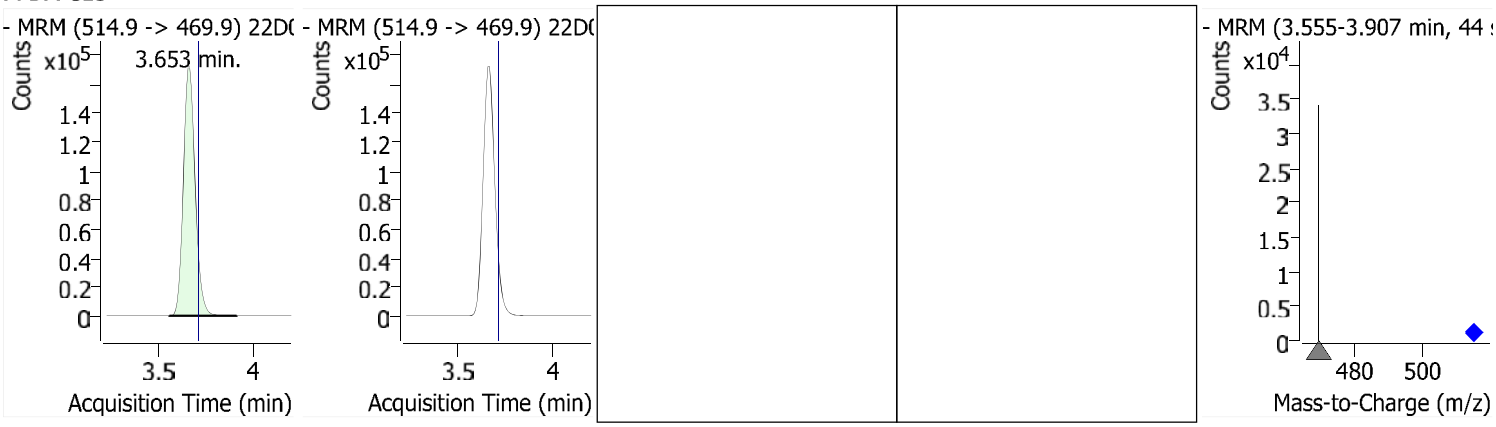
N-MeFOSAA



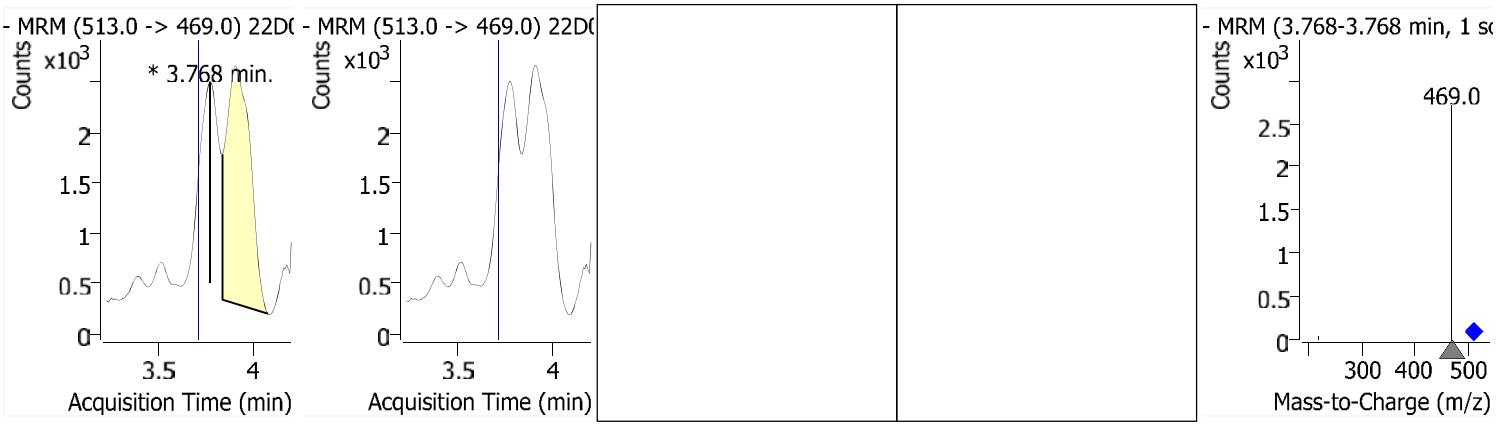
PFBS



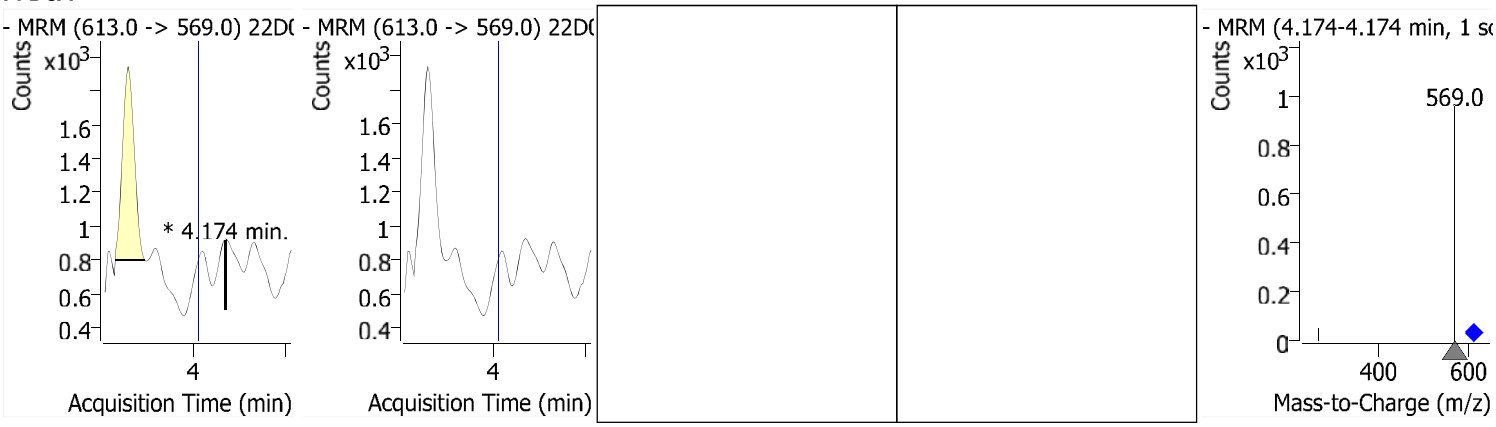
PFDA C13



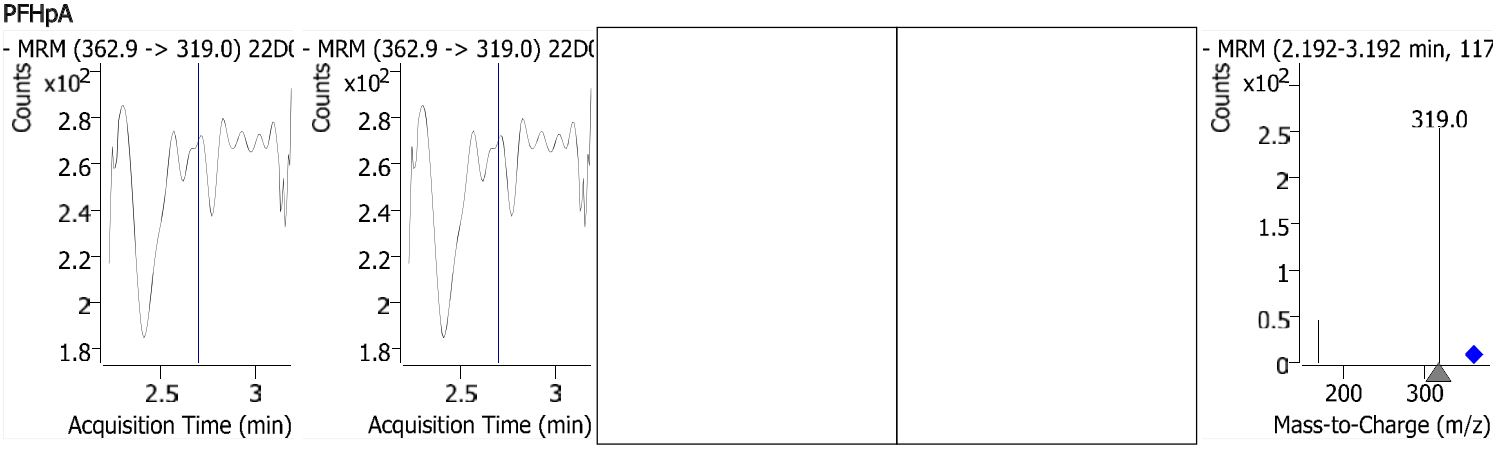
PFDA



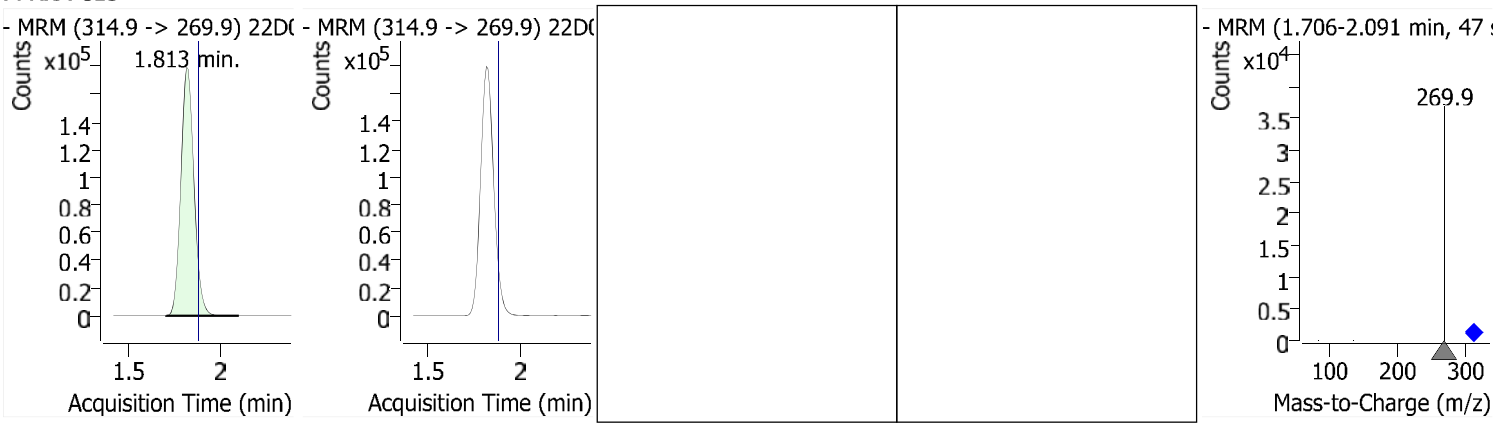
PFDoA



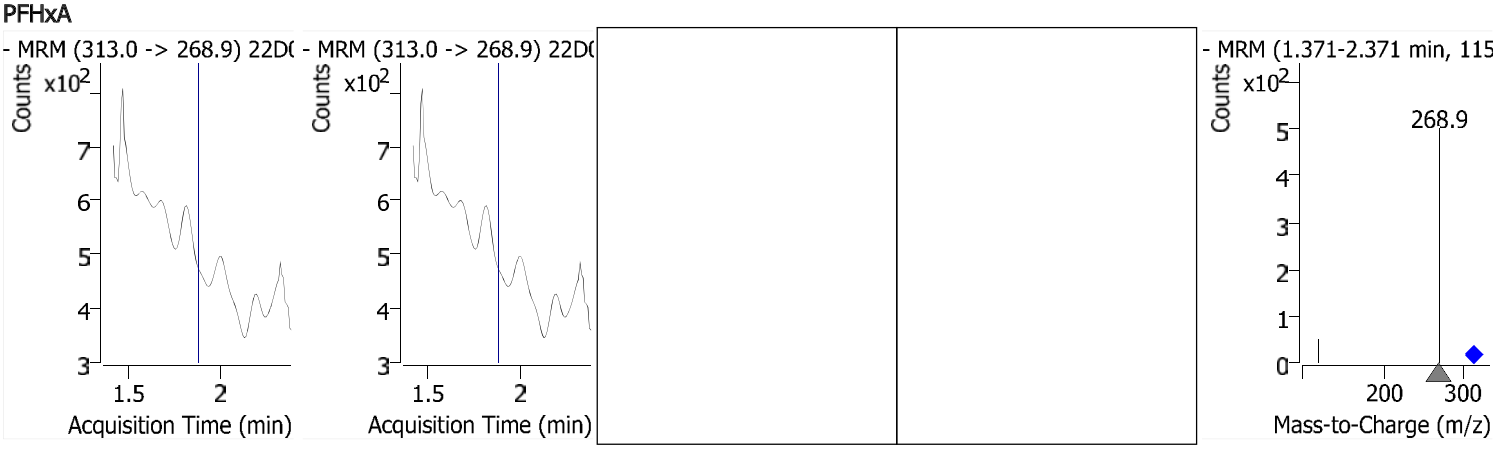
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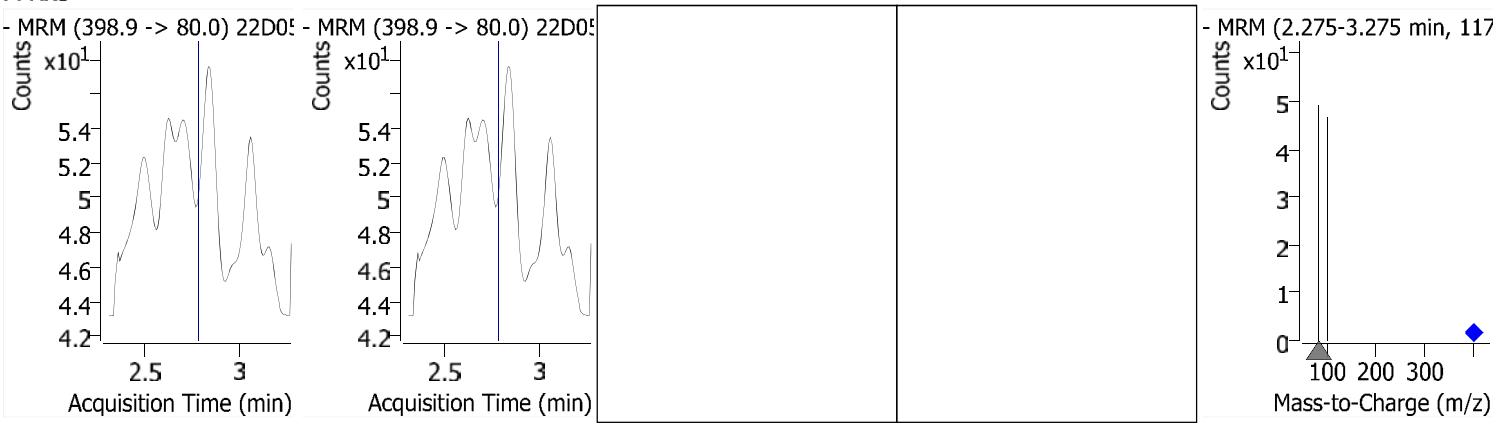
PFHxA C13



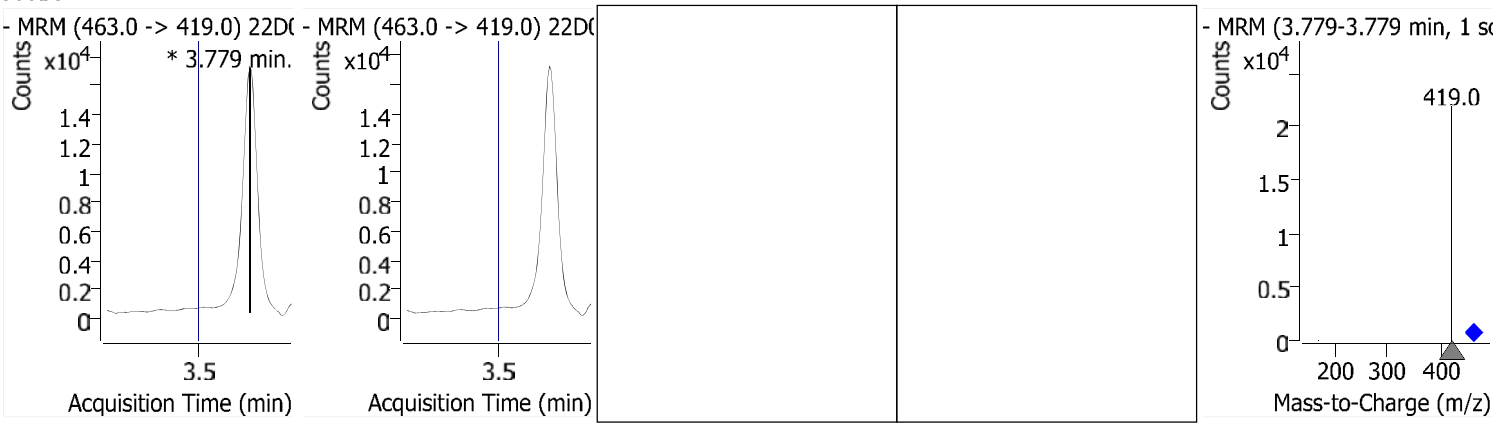
PFHxA



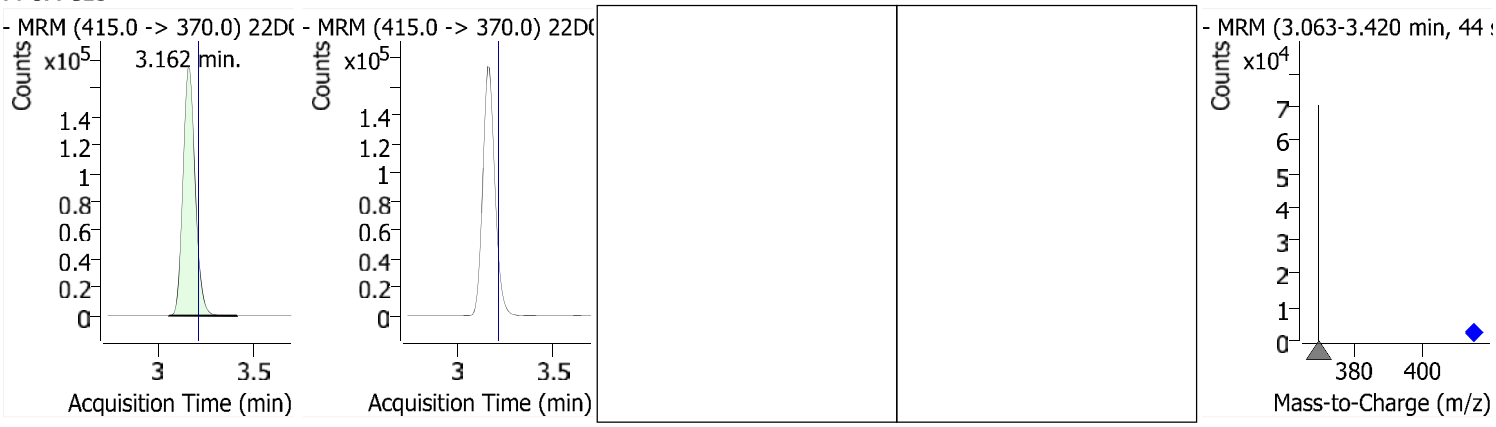
PFHxS



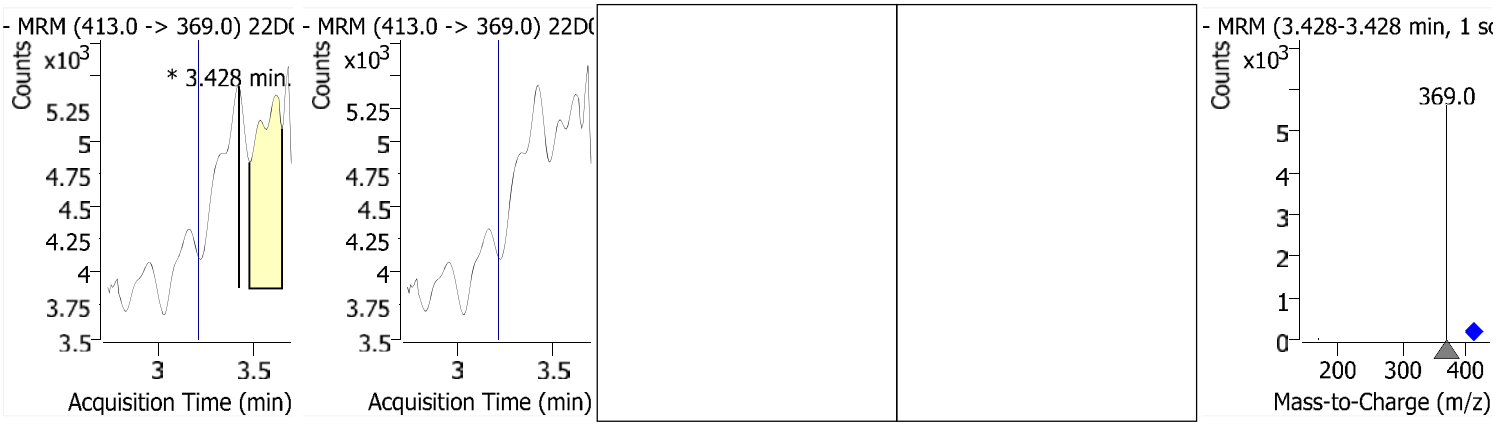
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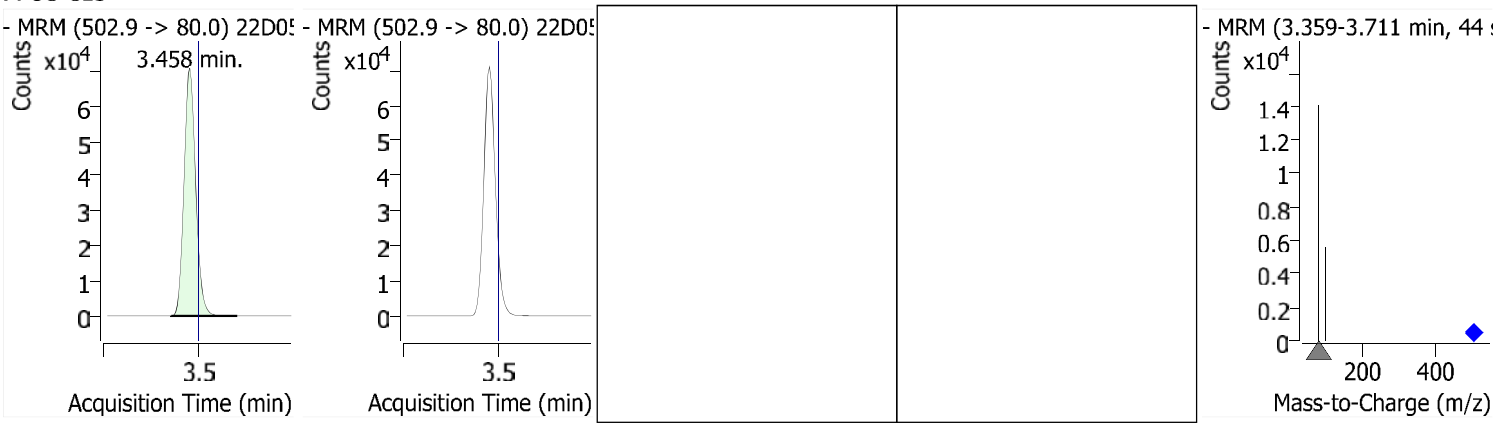
PFOA C13



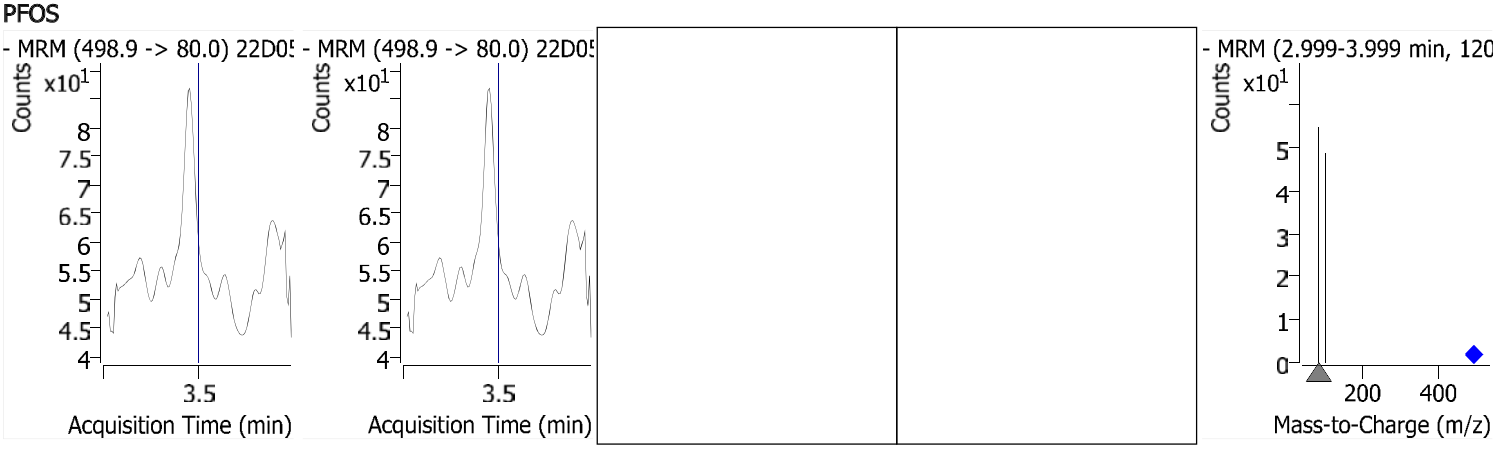
PFOA



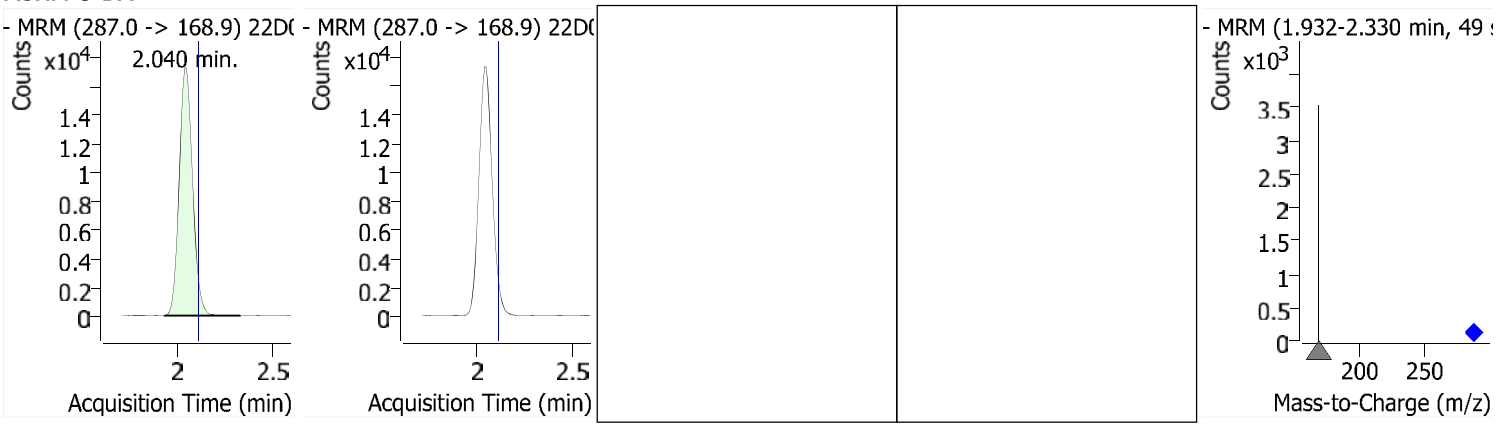
PFOS C13



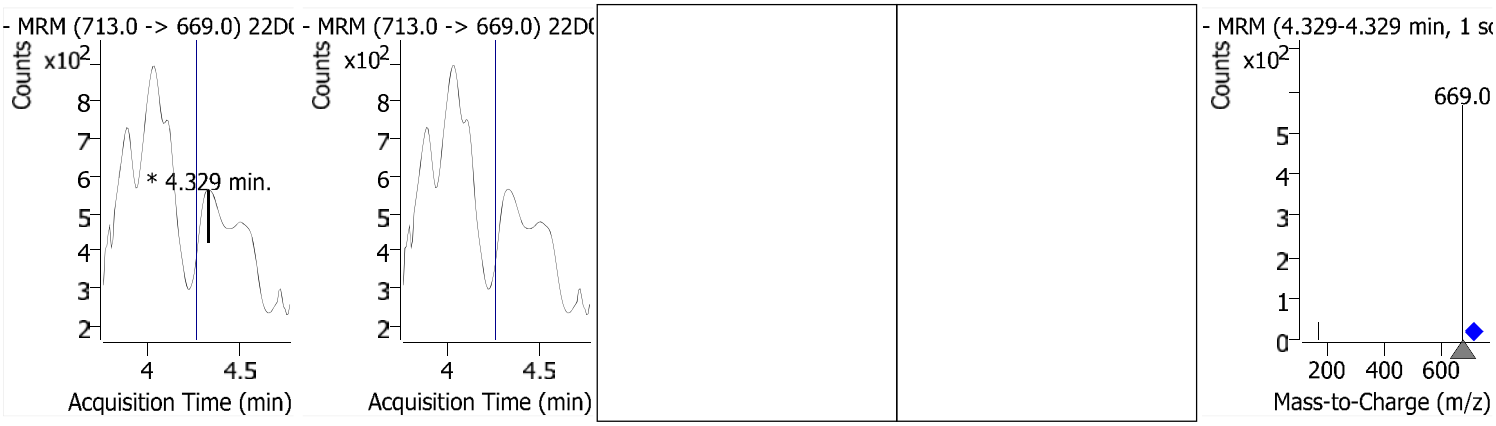
PFOS



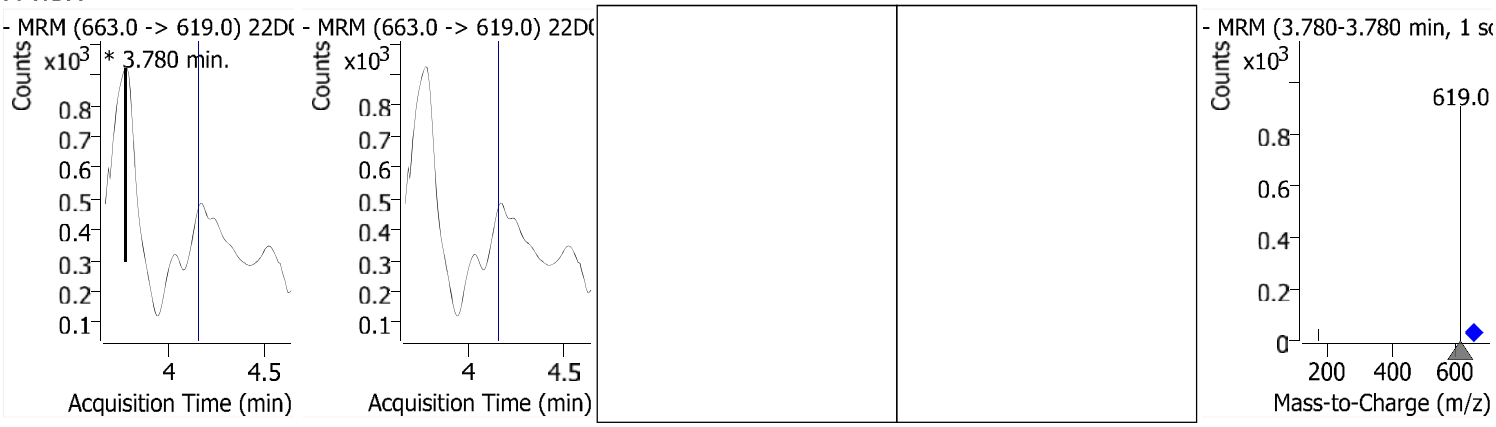
M3HFPO-DA



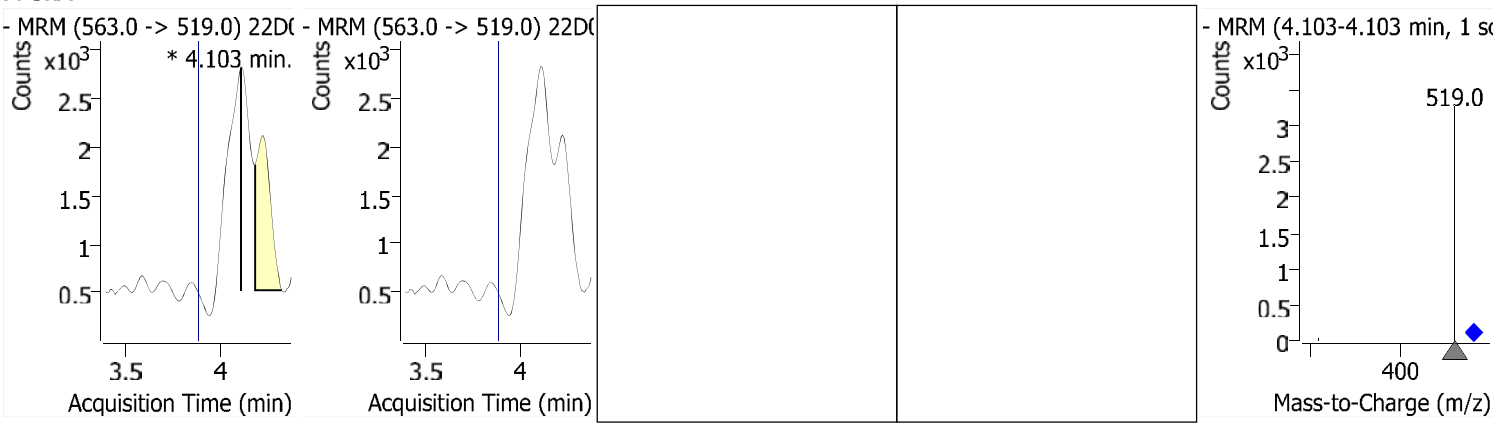
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.103 min.
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
Acquisition Time (min)
- MRM (4.103-4.103 min, 1 s(
Counts
x10^3
519.0
Mass-to-Charge (m/z)

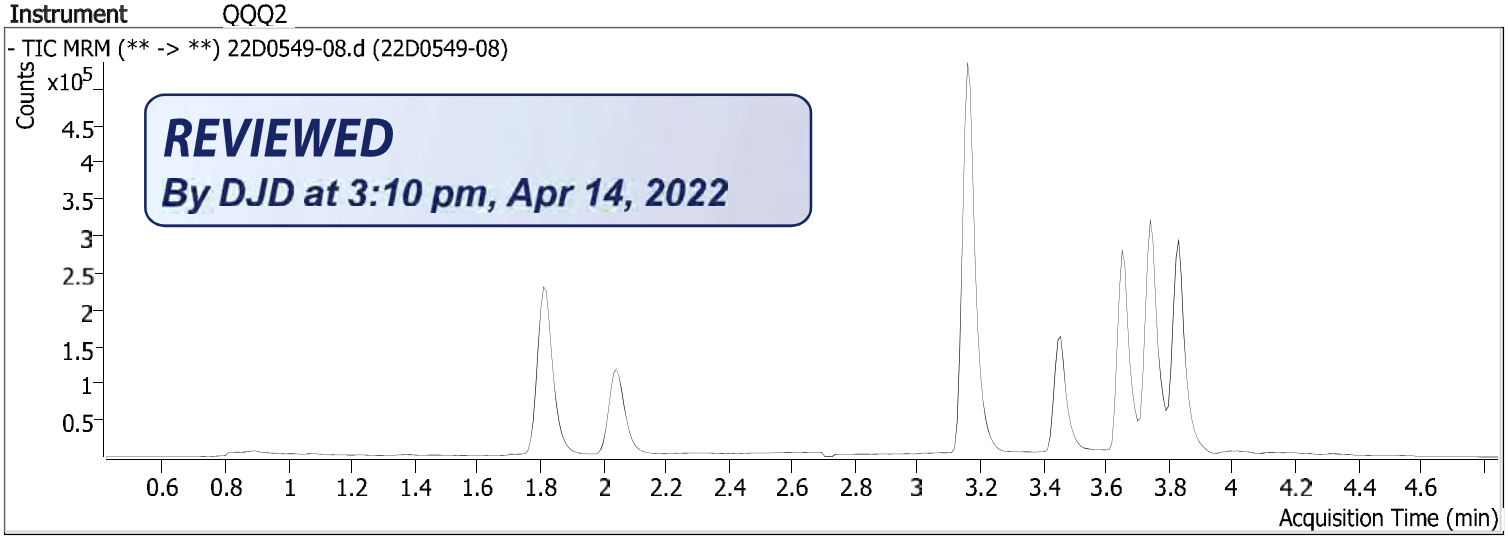
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-114S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-08	File ID:	22D0549-08.d
Sampled:	04/05/22 15:42	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:00
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	267.42 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
				Instrument:	QQQ2

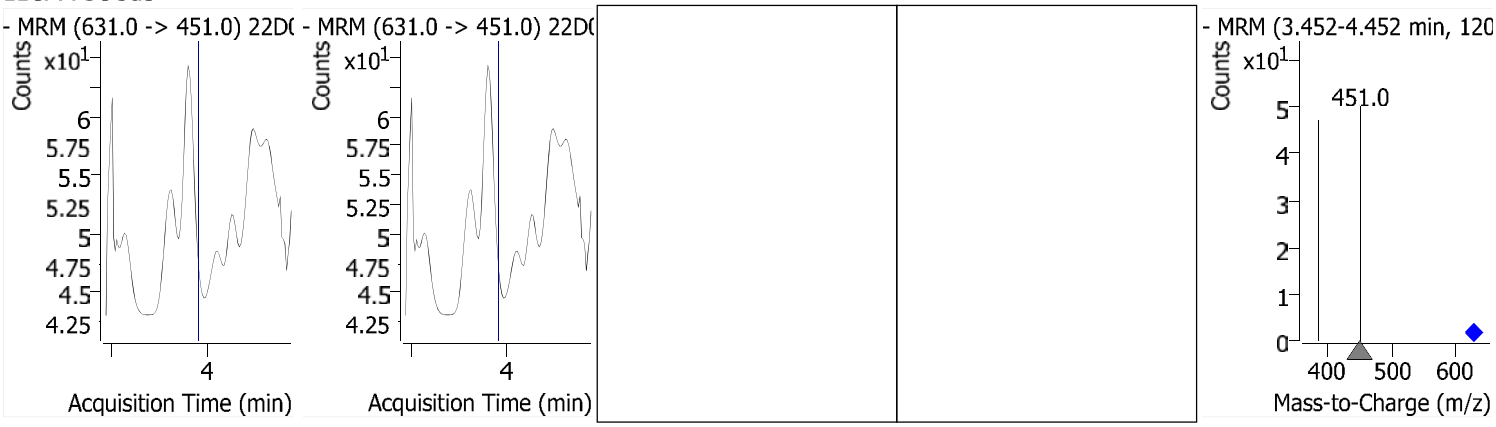
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.55	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.82	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.71	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:00 PM	Data File	22D0549-08.d
Sample Type	Sample	Sample Name	22D0549-08
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

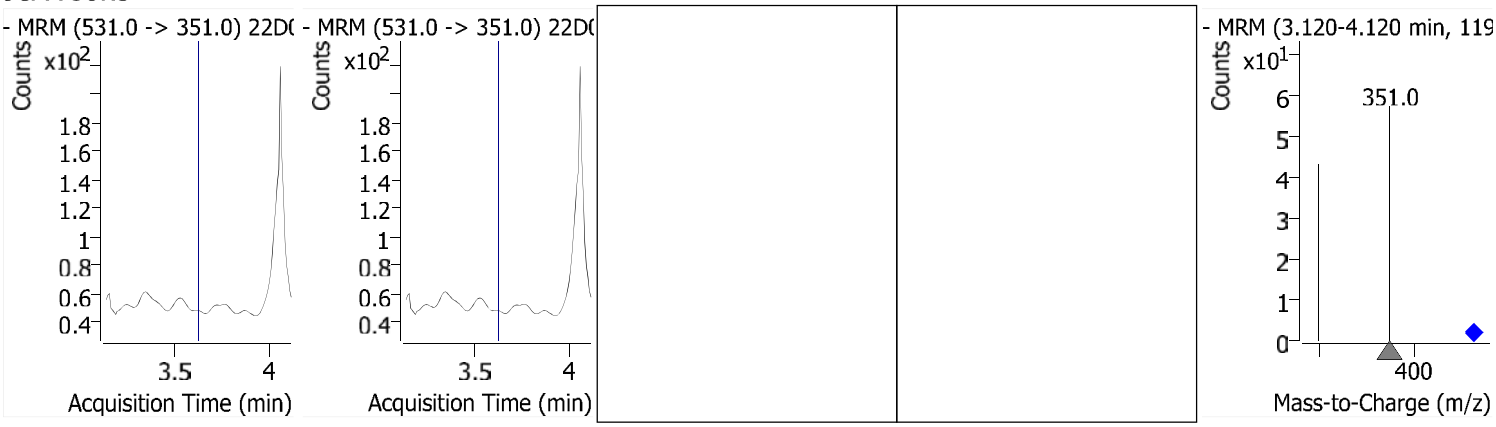


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	306918	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	306918	ND	pg/ml			
ADONA			PFOA C13	3.162	773320	ND	pg/ml			
d5-N-EtFOSAA	3.831	740391	d3-N-MeFOSAA	3.741	792469	40359.8676	pg/ml			
HFPO-DA	1.809	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	792469	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	792469	ND	pg/ml			
PFBS	0.909	0	PFOS C13	3.458	306918	ND	pg/ml	✔	1	DRL 04/14/22
PFDA C13	3.653	705116	PFOA C13	3.162	773320	10576.5014	pg/ml			
PFDA	3.727	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.323	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	773320	ND	pg/ml			
PFHxA C13	1.822	784621	PFOA C13	3.162	773320	11088.2715	pg/ml			
PFHxA			PFOA C13	3.162	773320	ND	pg/ml			
PFHxS			PFOS C13	3.458	306918	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.567	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	306918	ND	pg/ml			
M3HFPO-DA	2.048	78690	PFOA C13	3.162	773320	10933.9801	pg/ml			
PFTA	4.445	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.690	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.045	0	PFOA C13	3.162	773320	ND	pg/ml	✔	1	DRL 04/14/22

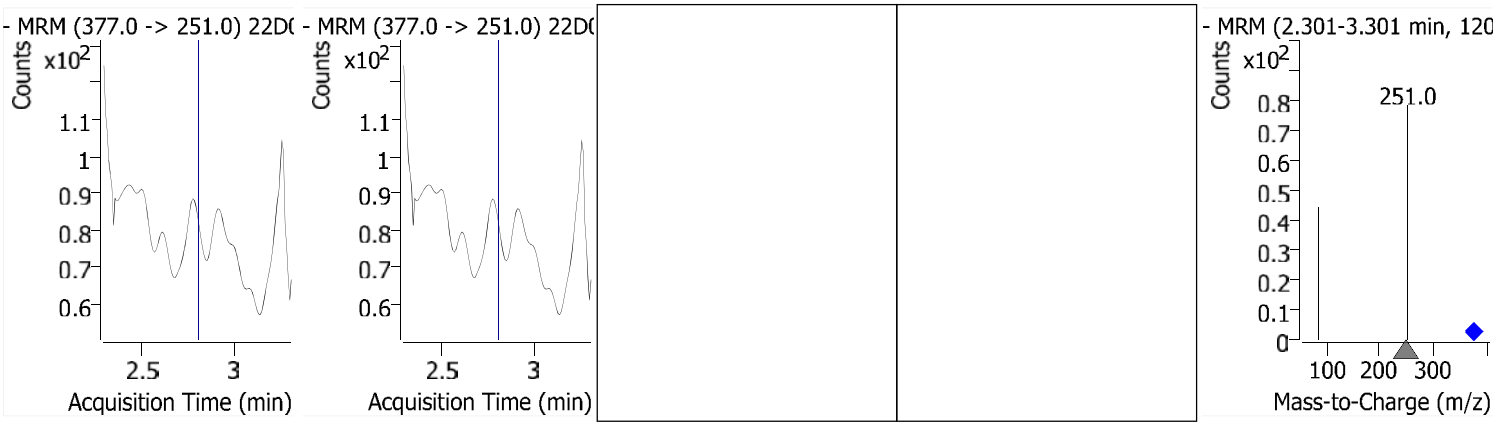
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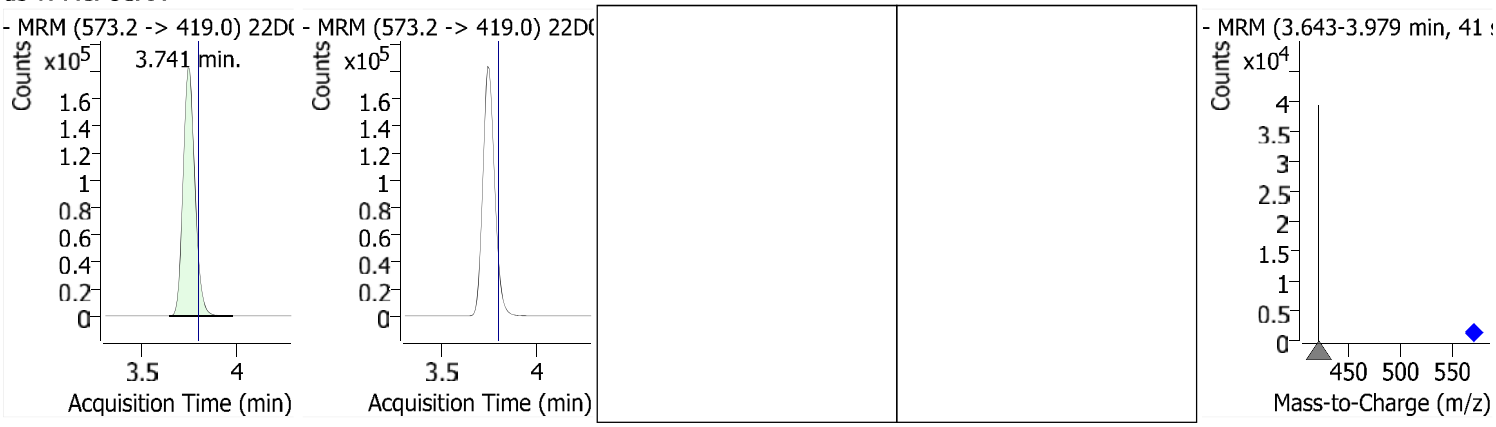
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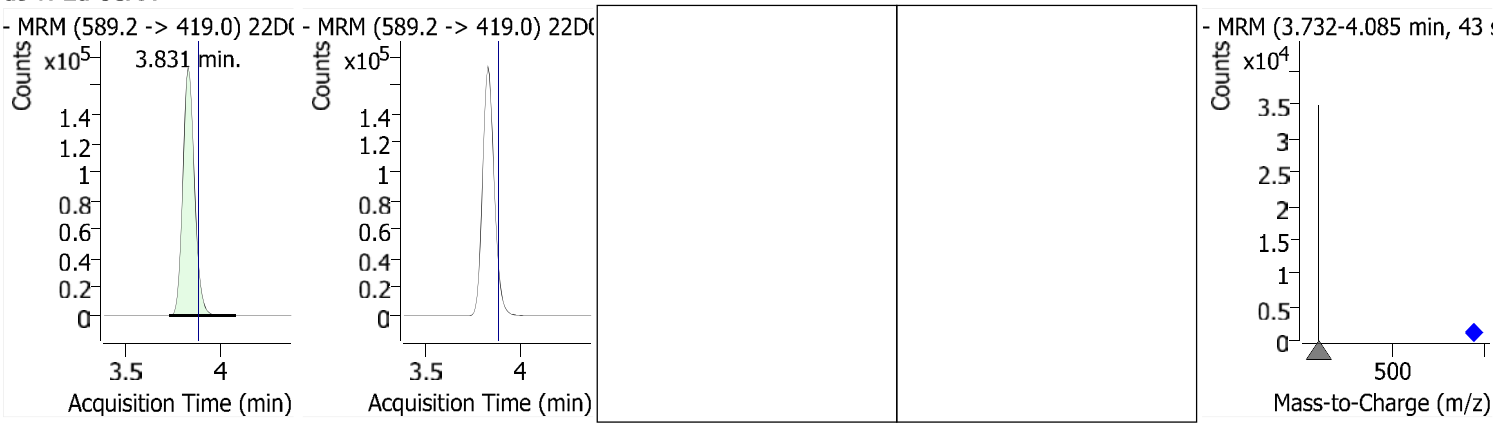
ADONA



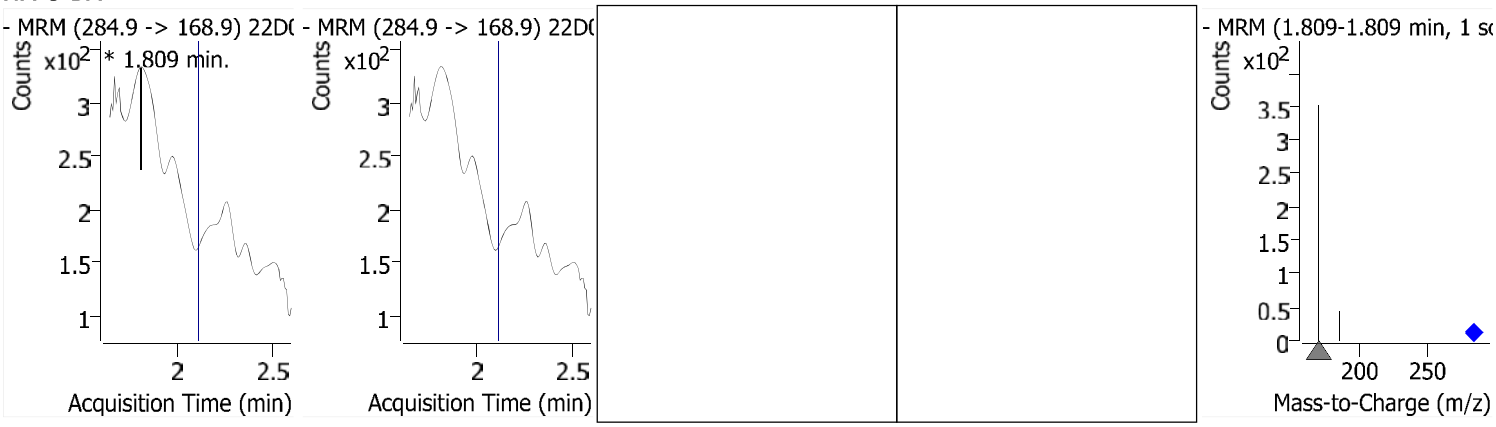
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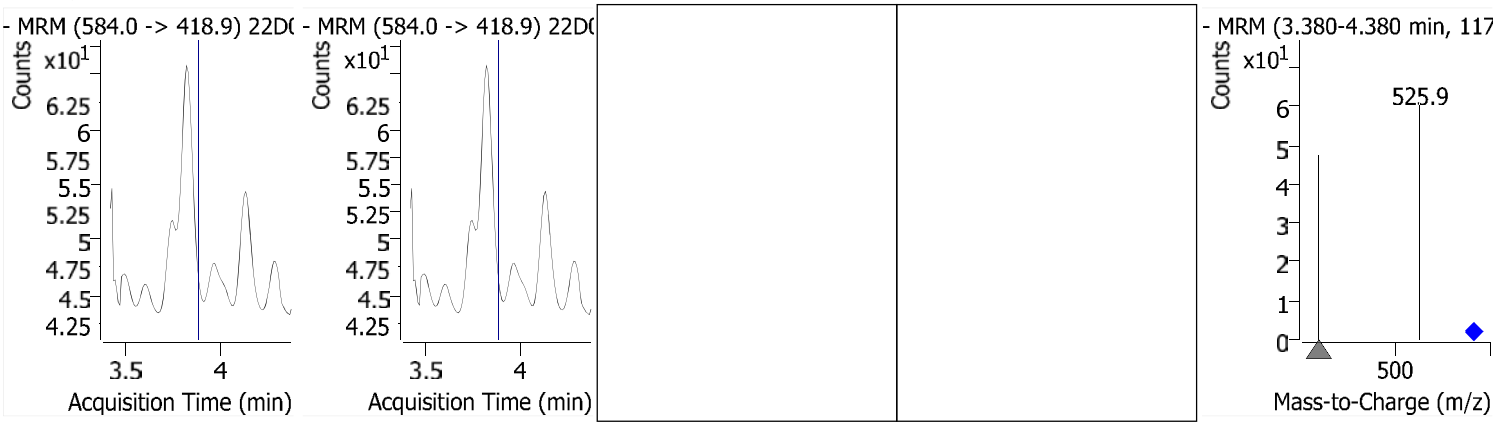
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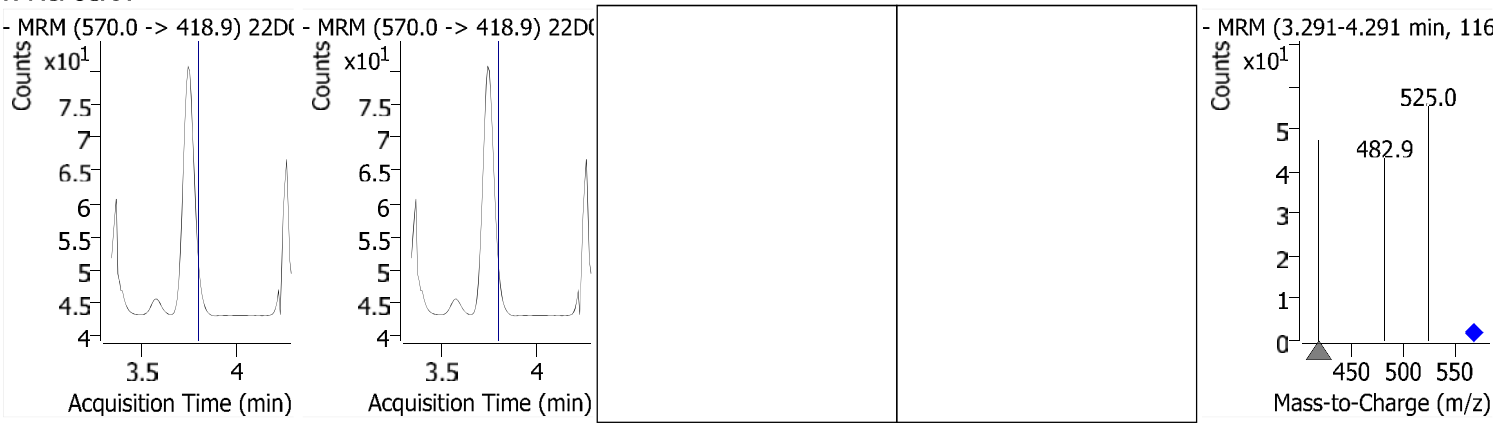
HFPO-DA



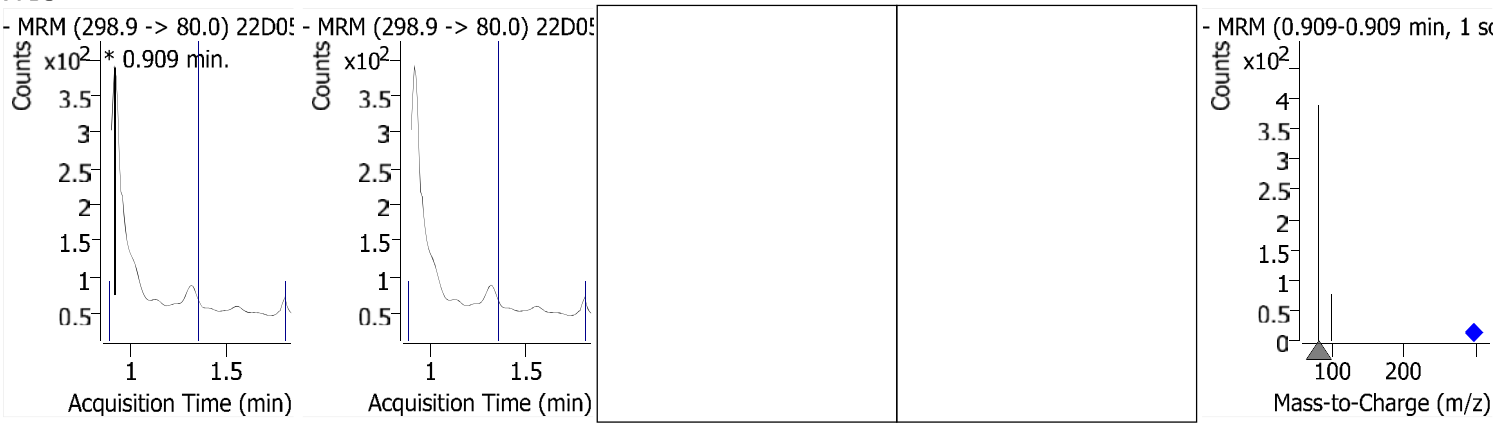
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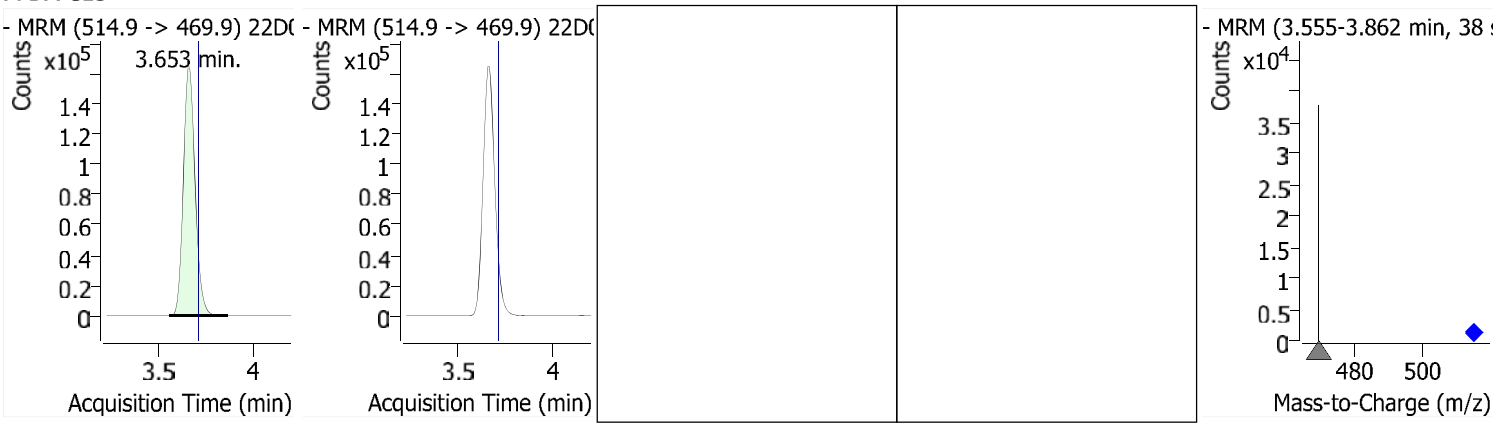
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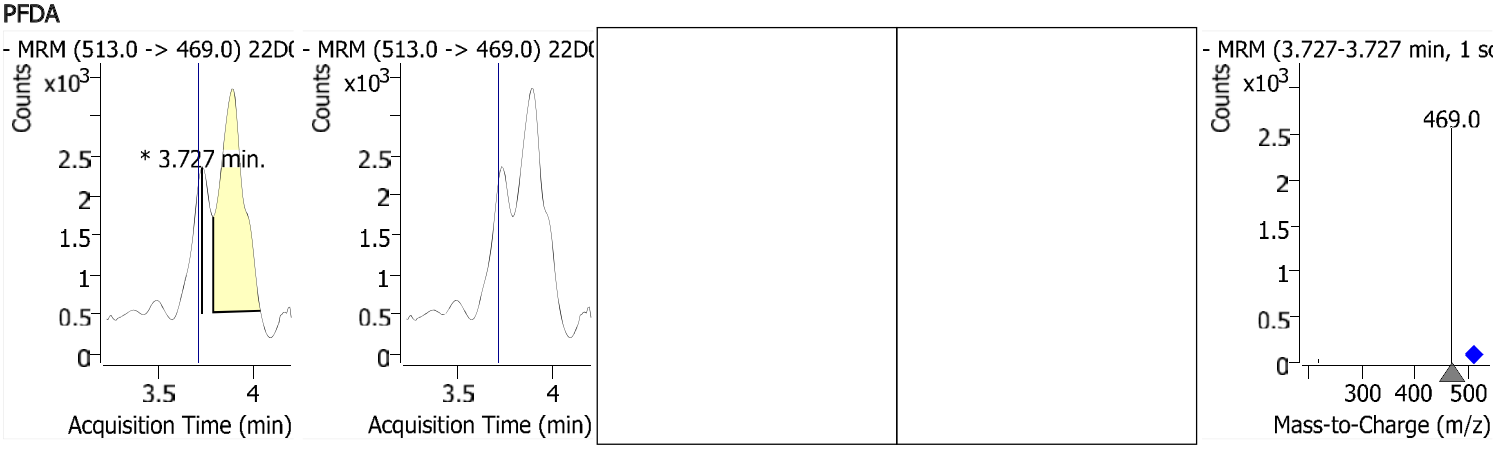
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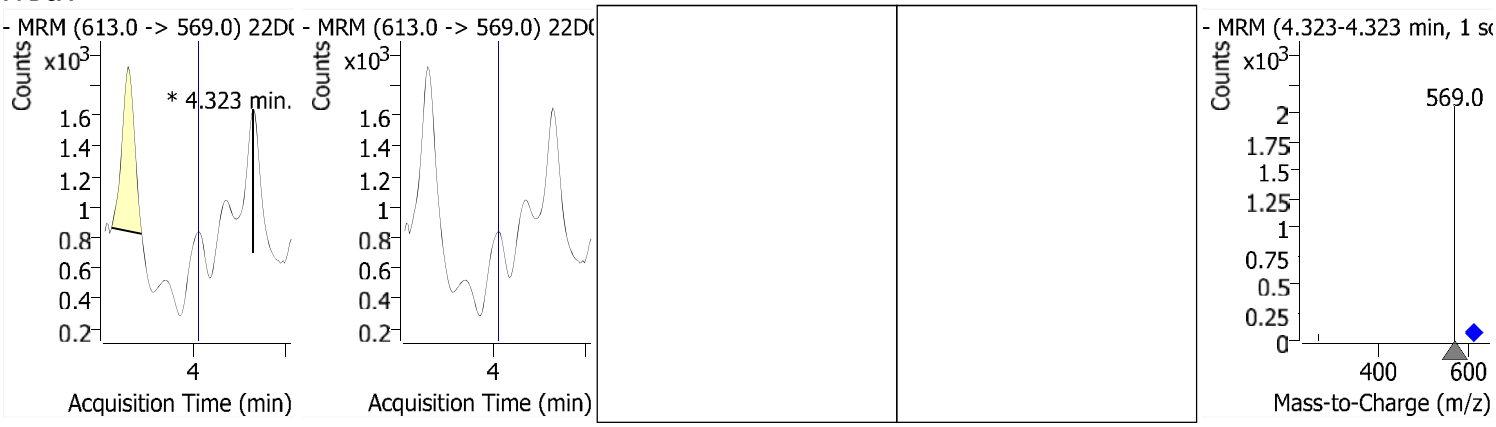
PFDA C13



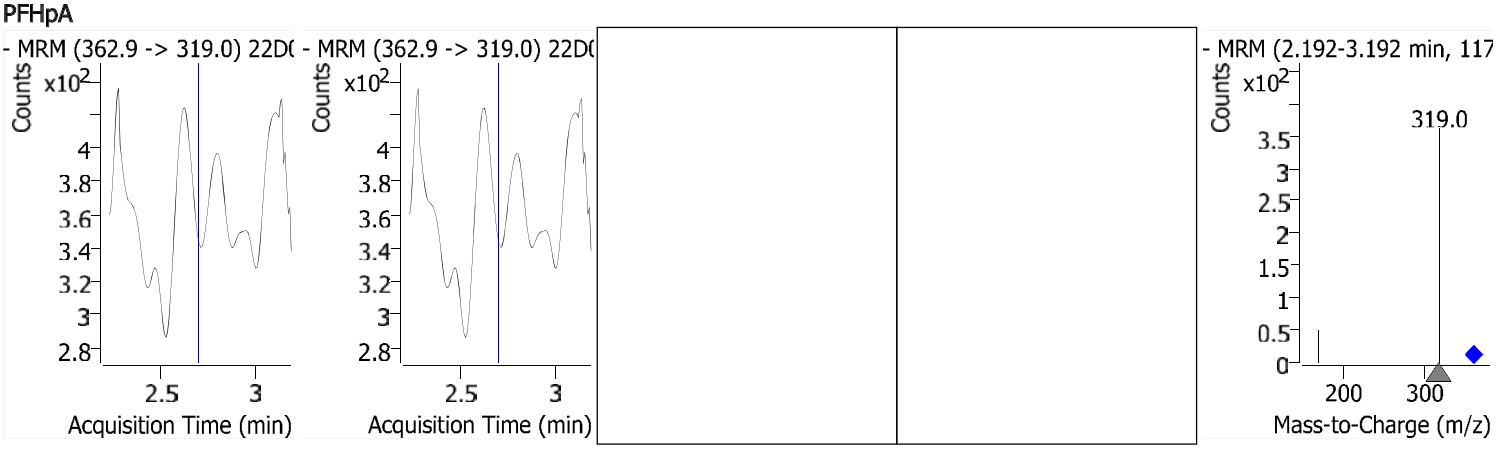
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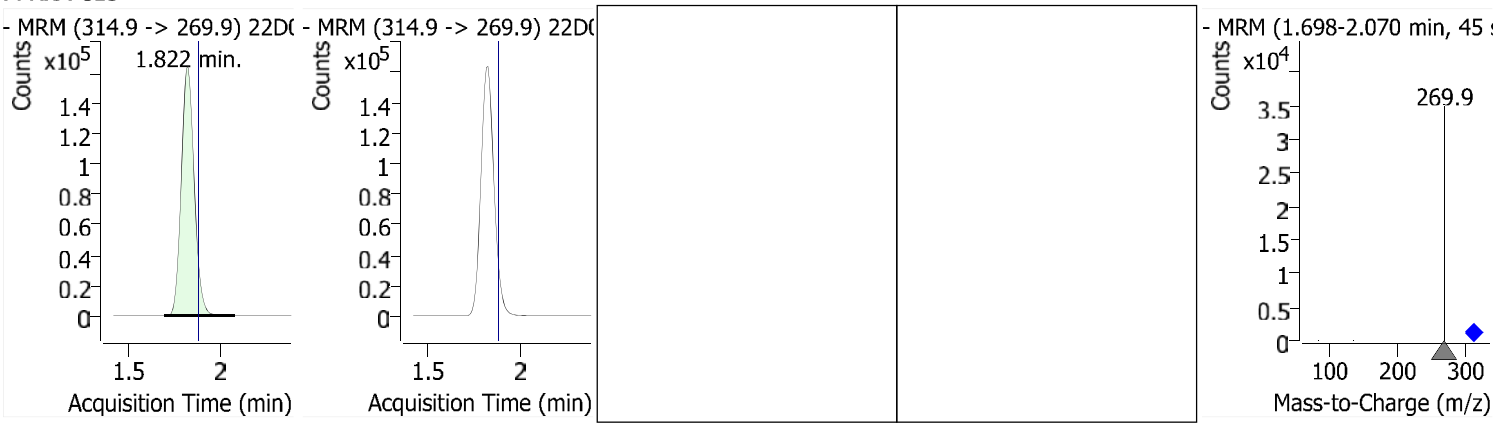
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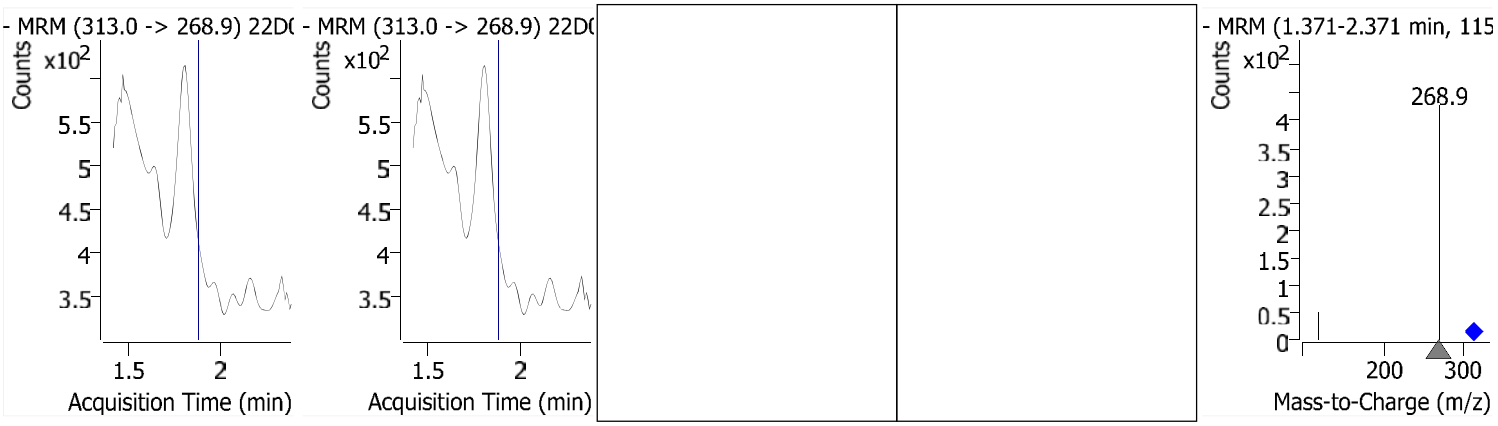
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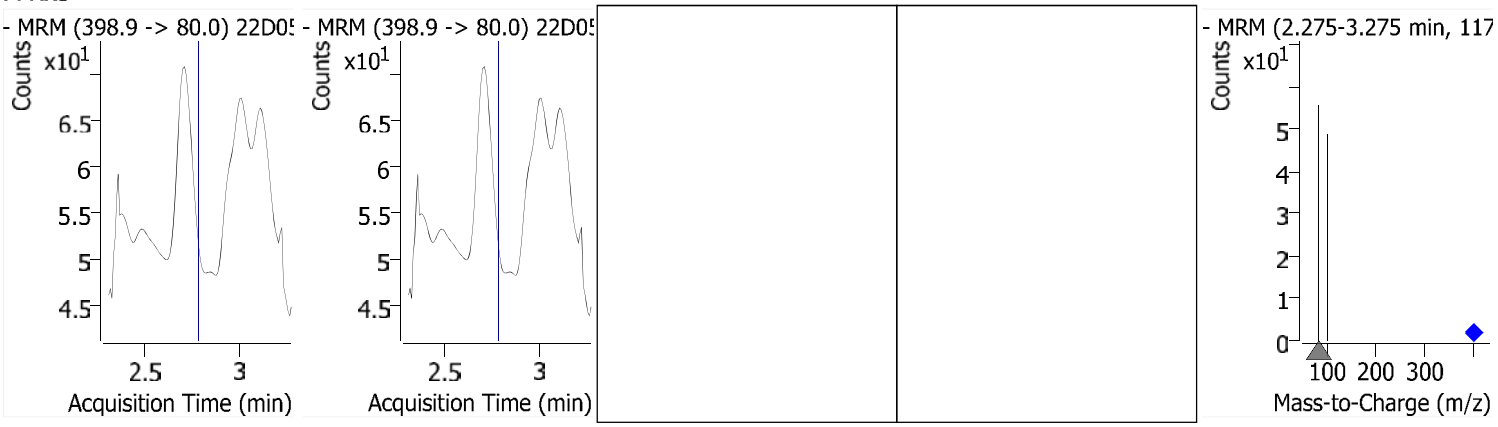
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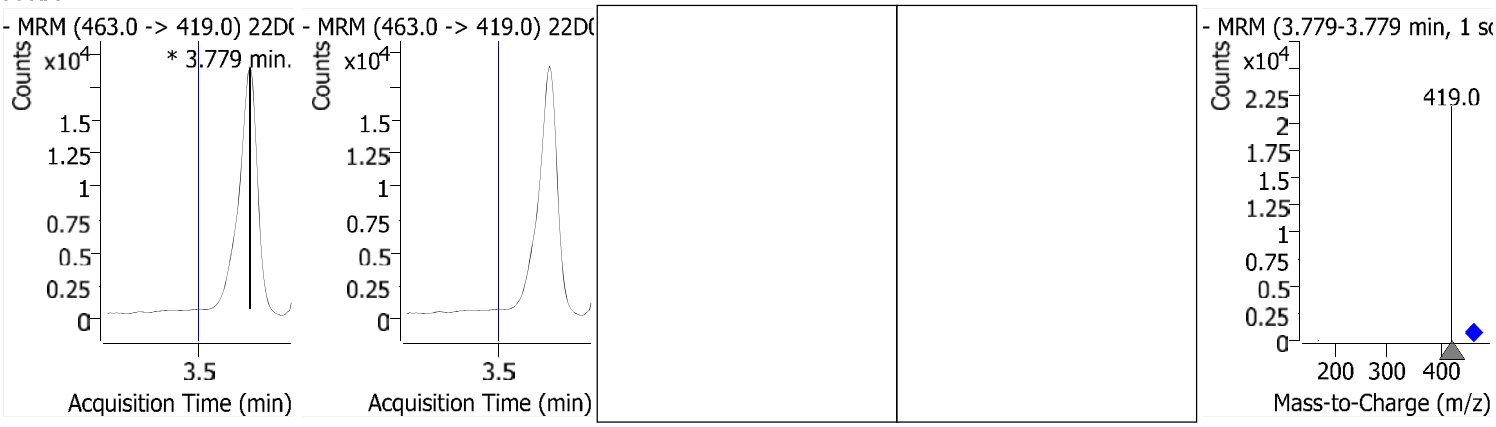
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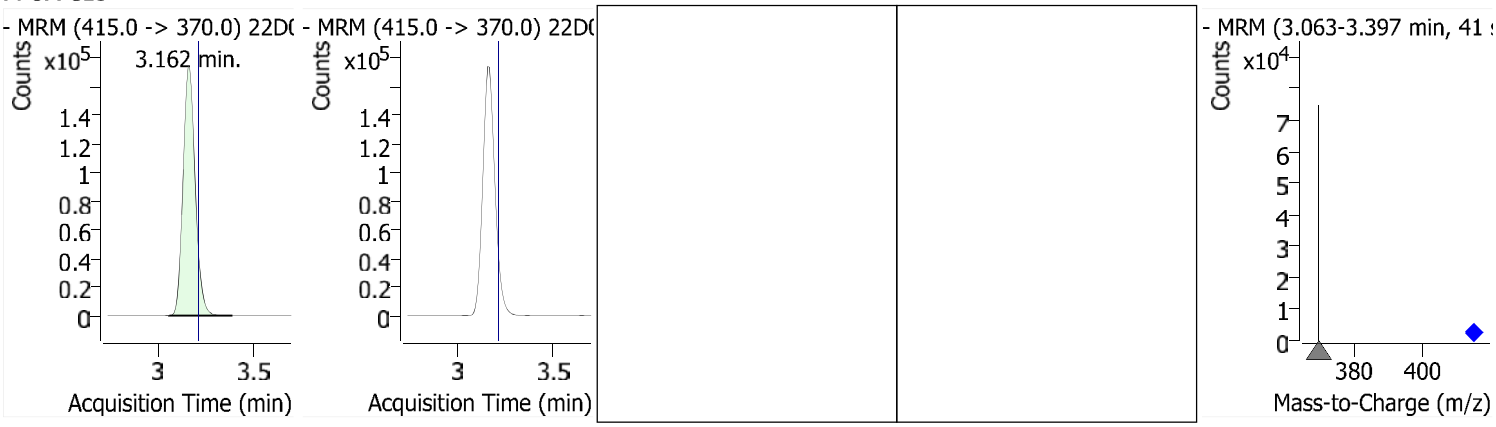
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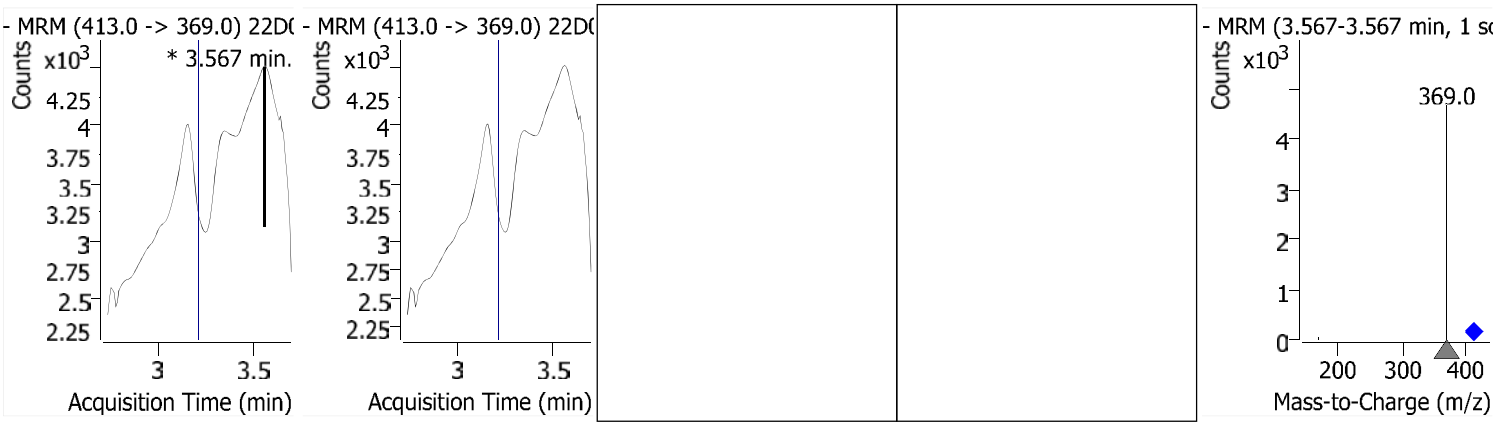
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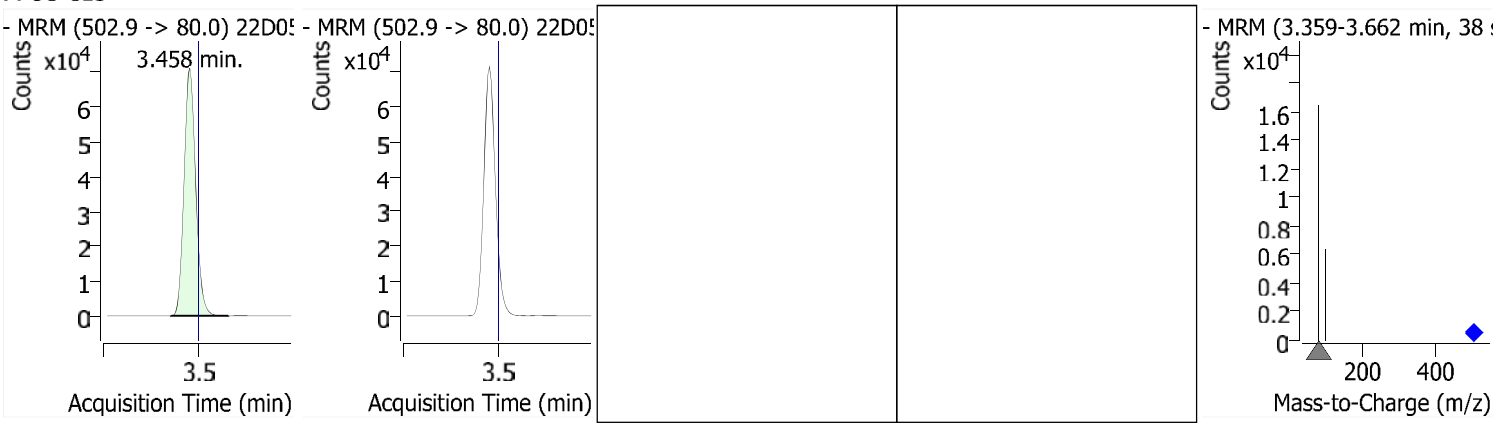
PFOA C13



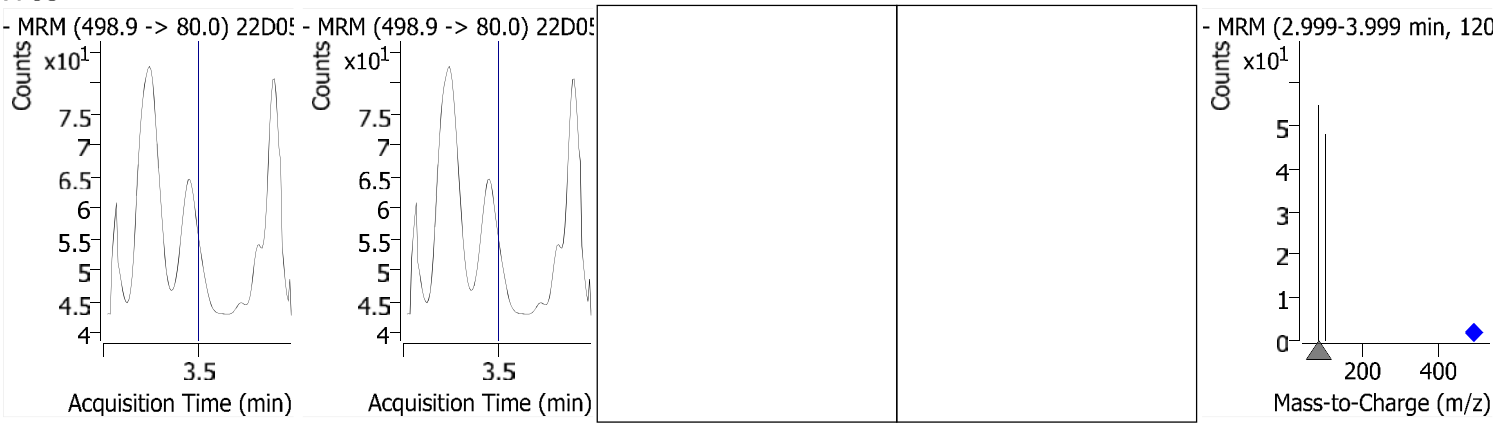
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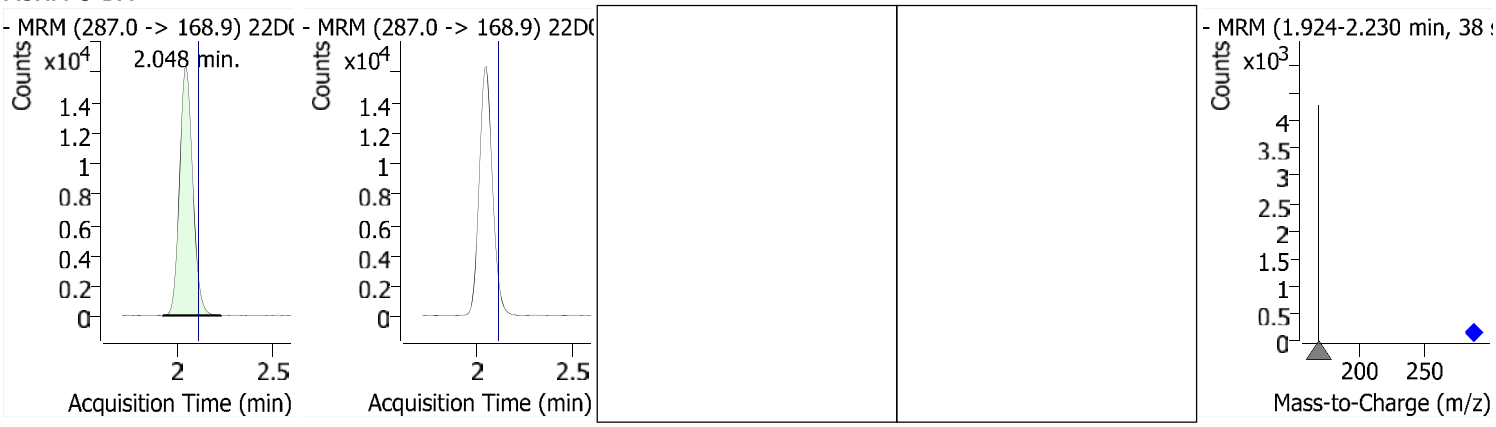
PFOS C13



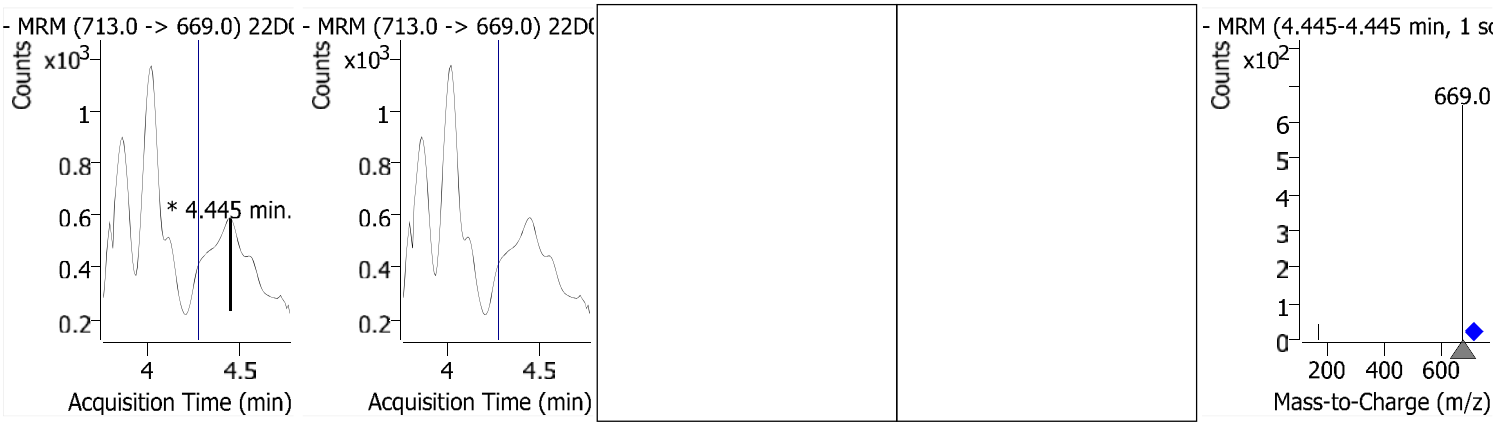
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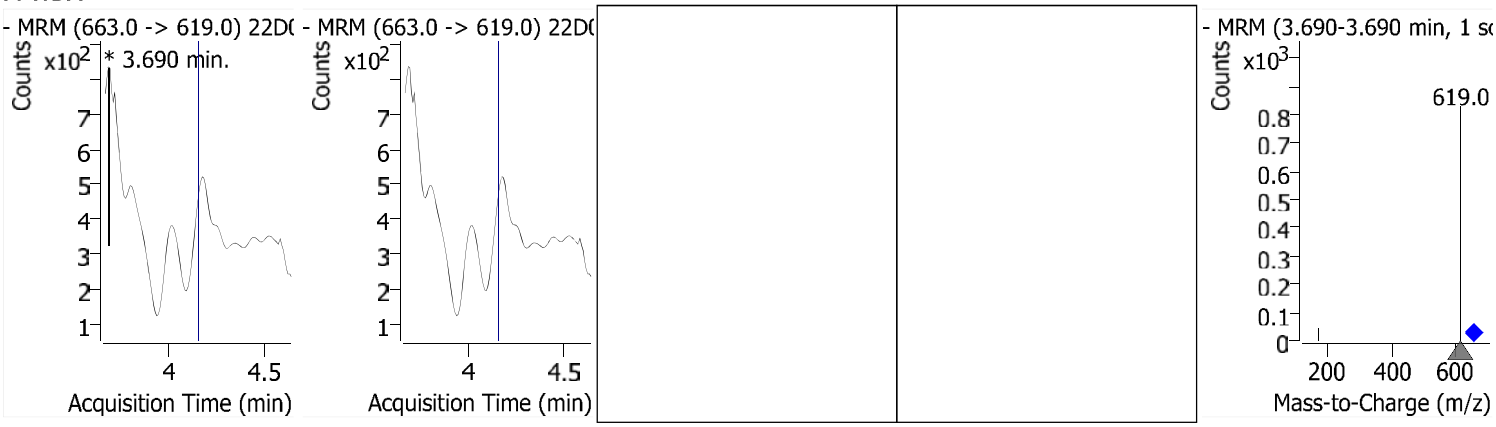
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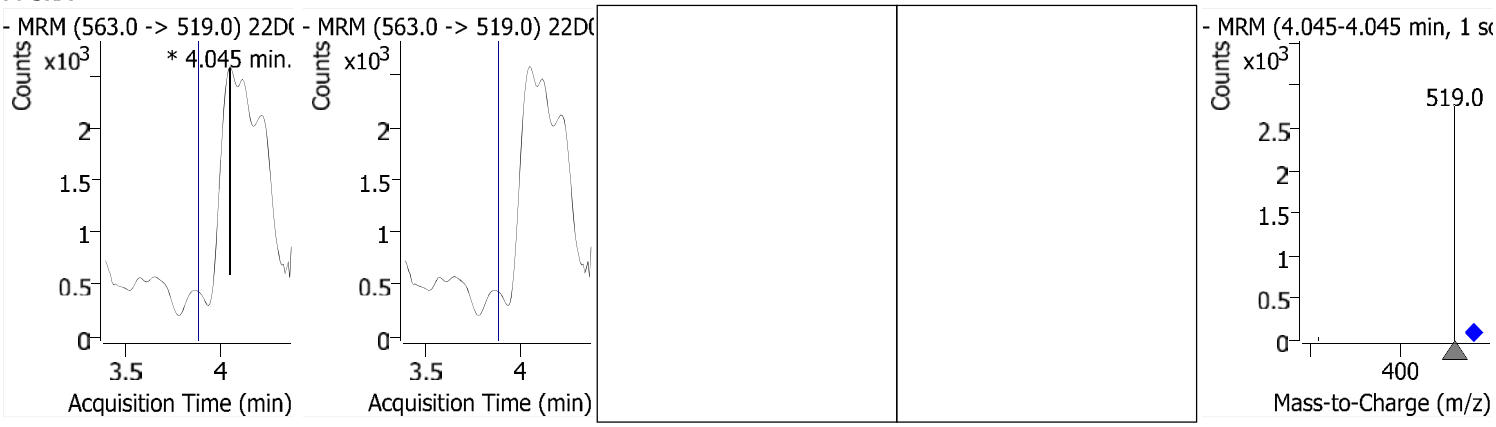
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.045 min.
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (4.045-4.045 min, 1 s(
Counts
x10^3
519.0
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

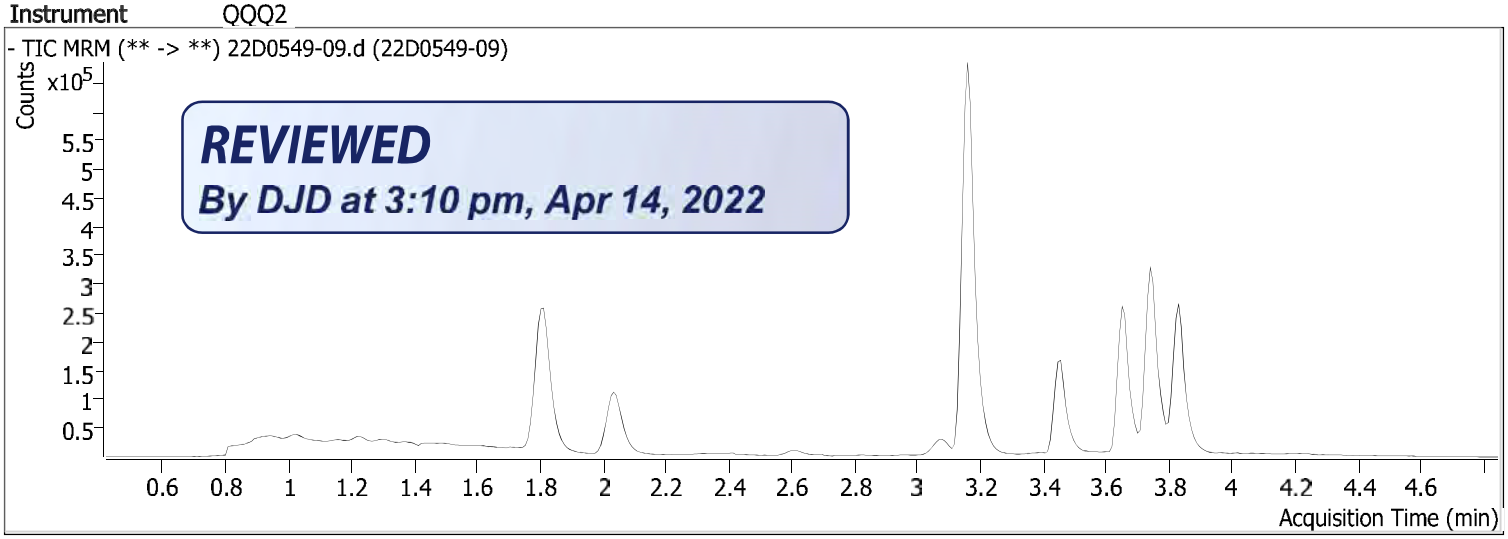
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-115S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-09	File ID:	22D0549-09.d
Sampled:	04/05/22 14:37	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:07
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	263.65 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

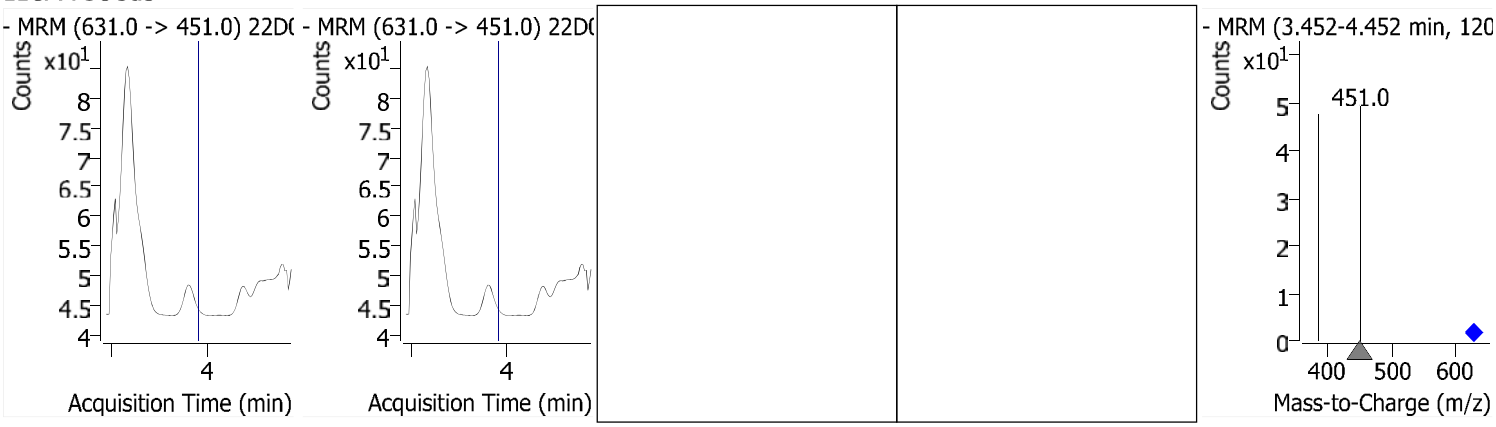
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.76	0.73	1.9	J
307-24-4	Perfluorohexanoic acid (PFHxA)	4.1	0.84	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.3	0.62	1.9	J
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.7	0.64	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)	16	0.89	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	4.6	0.82	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.84	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.70	1.9	
2991-50-6	N-EtFOSAA		0.66	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.64	1.9	
2355-31-9	N-MeFOSAA		0.62	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.59	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.49	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.84	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.86	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.78	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:07 PM	Data File	22D0549-09.d
Sample Type	Sample	Sample Name	22D0549-09
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

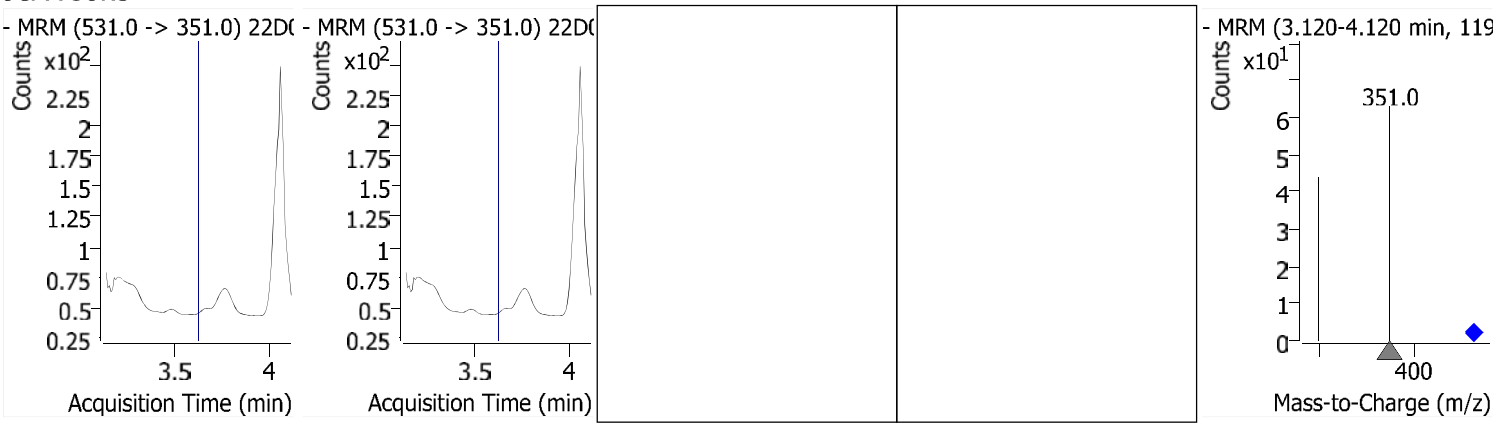


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	311075	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	311075	ND	pg/ml			
ADONA			PFOA C13	3.162	833750	ND	pg/ml			
d5-N-EtFOSAA	3.831	671562	d3-N-MeFOSAA	3.741	839536	34555.4995	pg/ml			
HFPO-DA			PFOA C13	3.162	833750	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	839536	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	839536	ND	pg/ml			
PFBS	1.308	3960	PFOS C13	3.458	311075	201.2185	pg/ml	✔	3	DRL 04/14/22
PFDA C13	3.653	662684	PFOA C13	3.162	833750	9219.5733	pg/ml			
PFDA	3.785	0	PFOA C13	3.162	833750	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.207	0	PFOA C13	3.162	833750	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA	2.608	25735	PFOA C13	3.162	833750	723.3990	pg/ml			
PFHxA C13	1.813	803772	PFOA C13	3.162	833750	10535.6237	pg/ml			
PFHxA	1.814	63474	PFOA C13	3.162	833750	1083.1826	pg/ml			
PFHxS	2.697	4409	PFOS C13	3.458	311075	335.0447	pg/ml	✔	3	DRL 04/14/22
PFNA	3.779	0	PFOA C13	3.162	833750	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.163	361254	PFOA C13	3.162	833750	4252.5211	pg/ml			
PFOS	3.384	13145	PFOS C13	3.458	311075	1205.6779	pg/ml	✔	3	DRL 04/14/22
M3HFPO-DA	2.040	81845	PFOA C13	3.162	833750	10548.2005	pg/ml			
PFTA	4.041	0	PFOA C13	3.162	833750	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.780	0	PFOA C13	3.162	833750	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.095	0	PFOA C13	3.162	833750	ND	pg/ml	✔	1	DRL 04/14/22

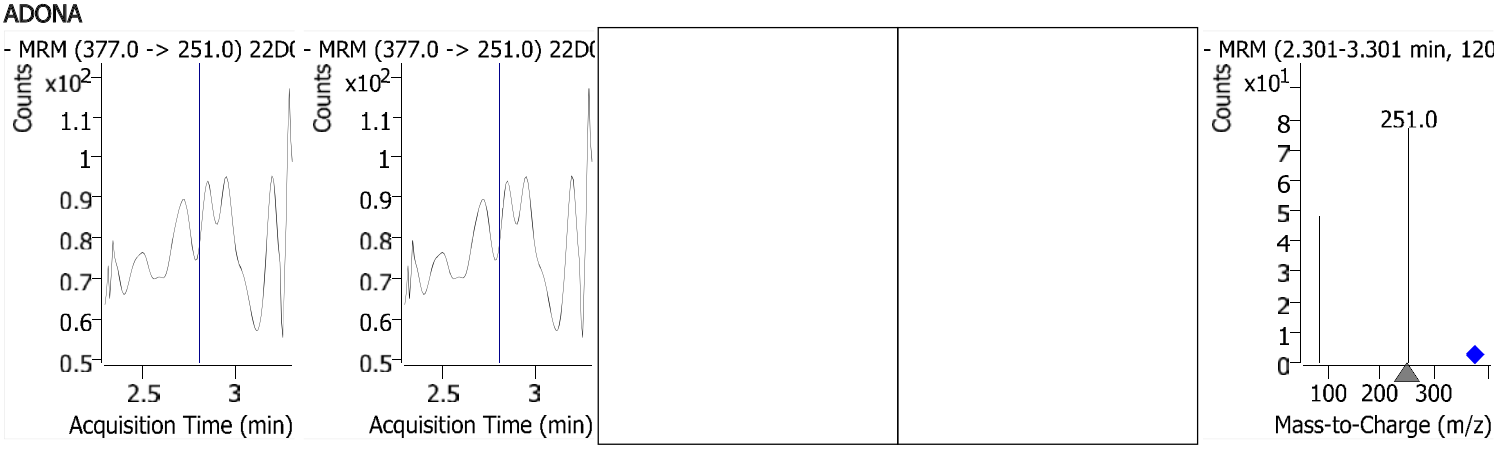
11Cl-PF3OUdS



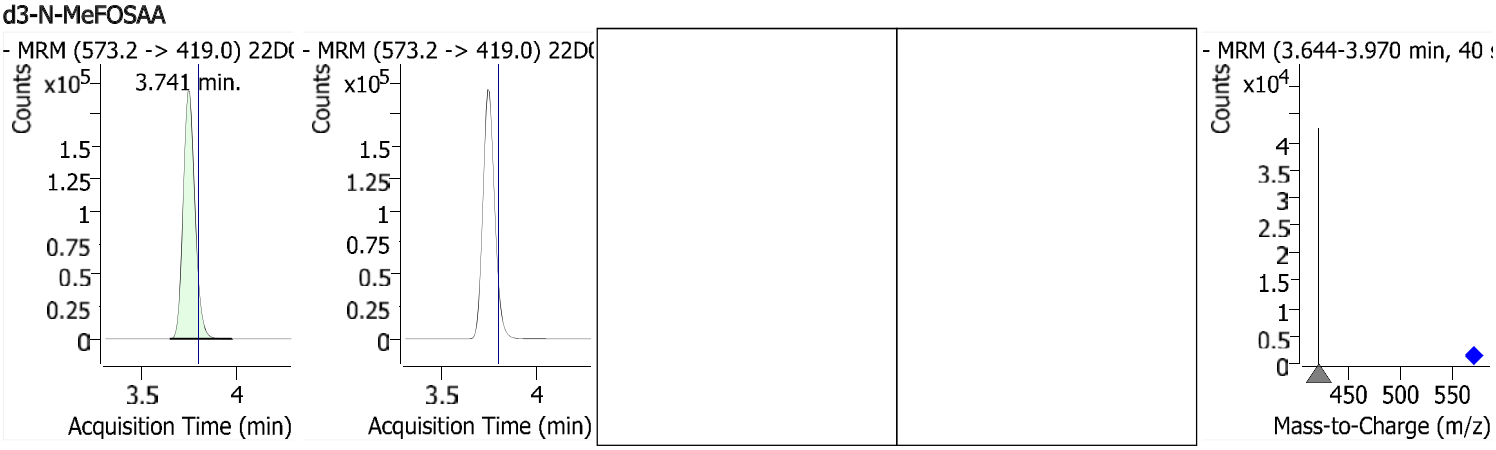
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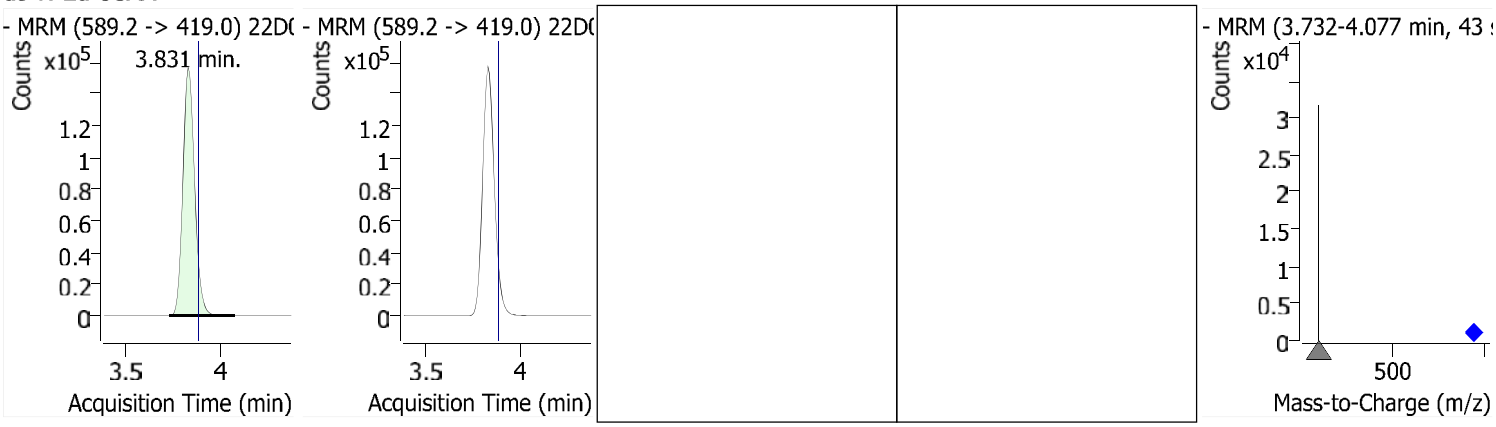
ADONA



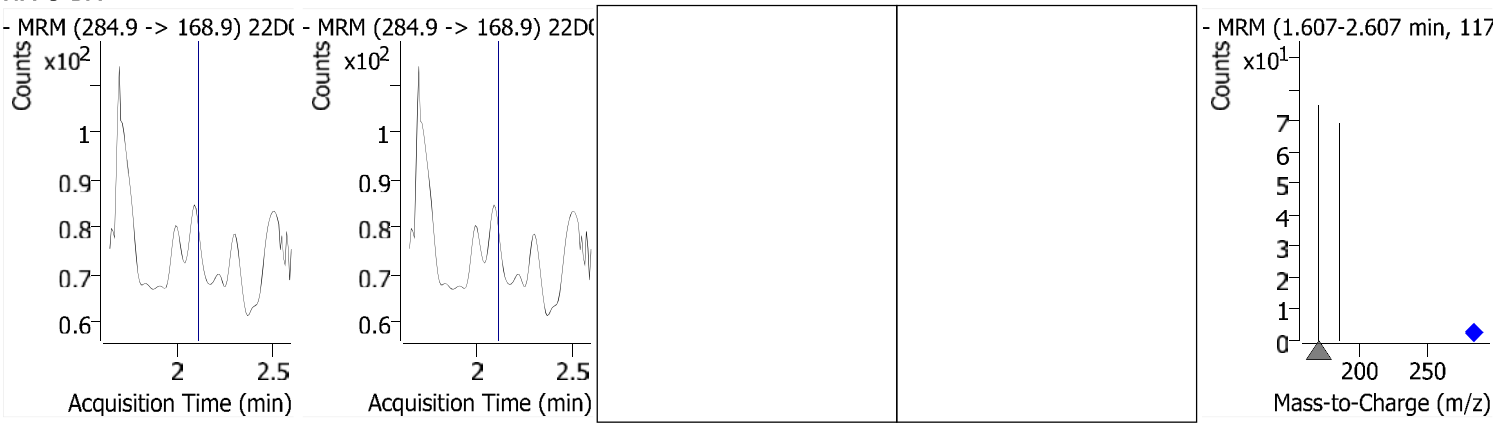
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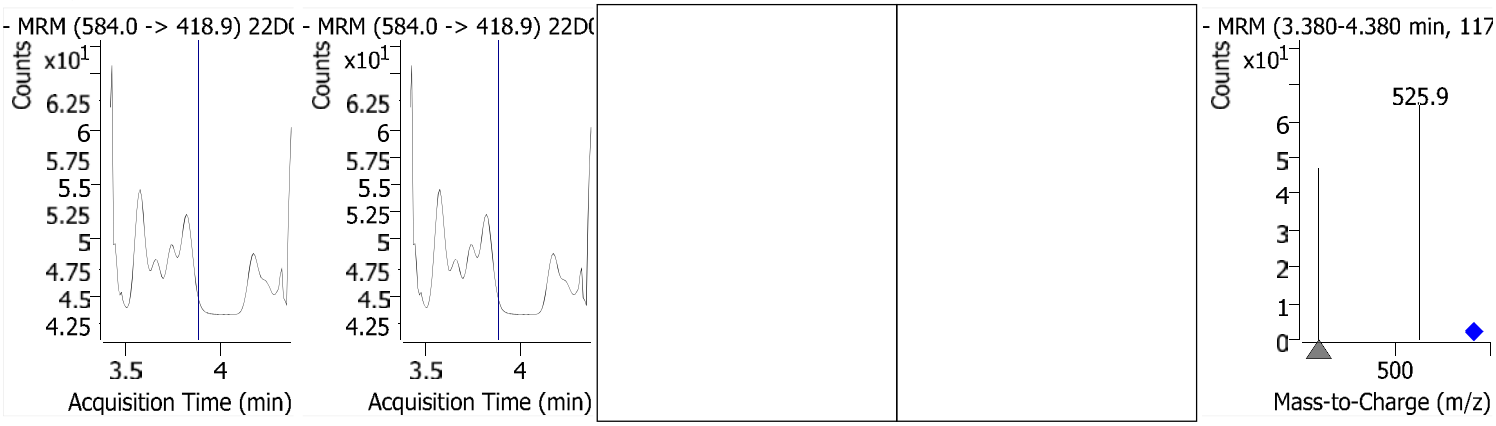
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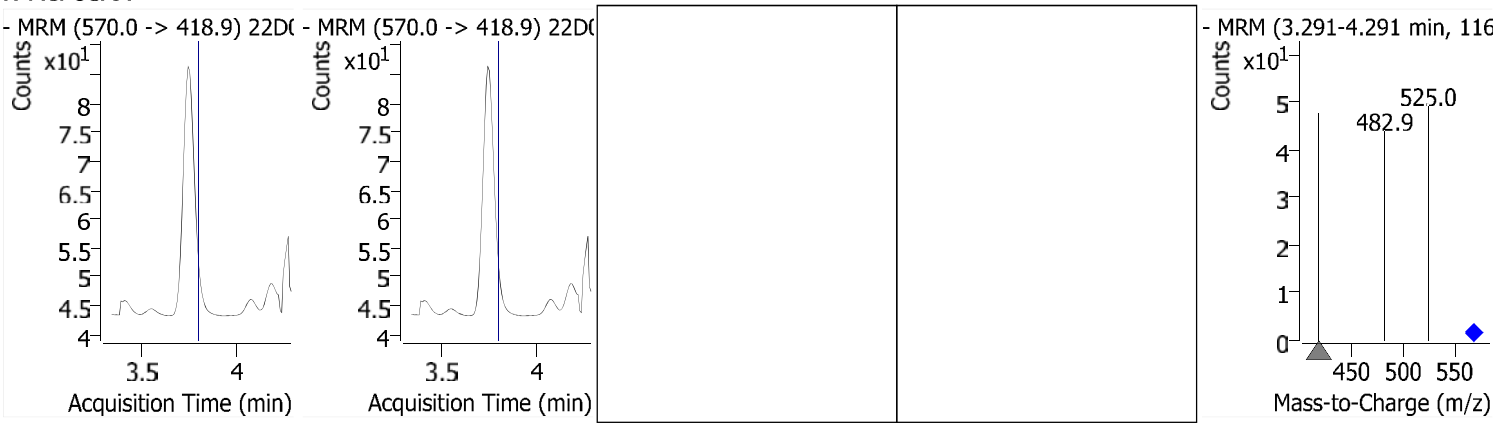
HFPO-DA



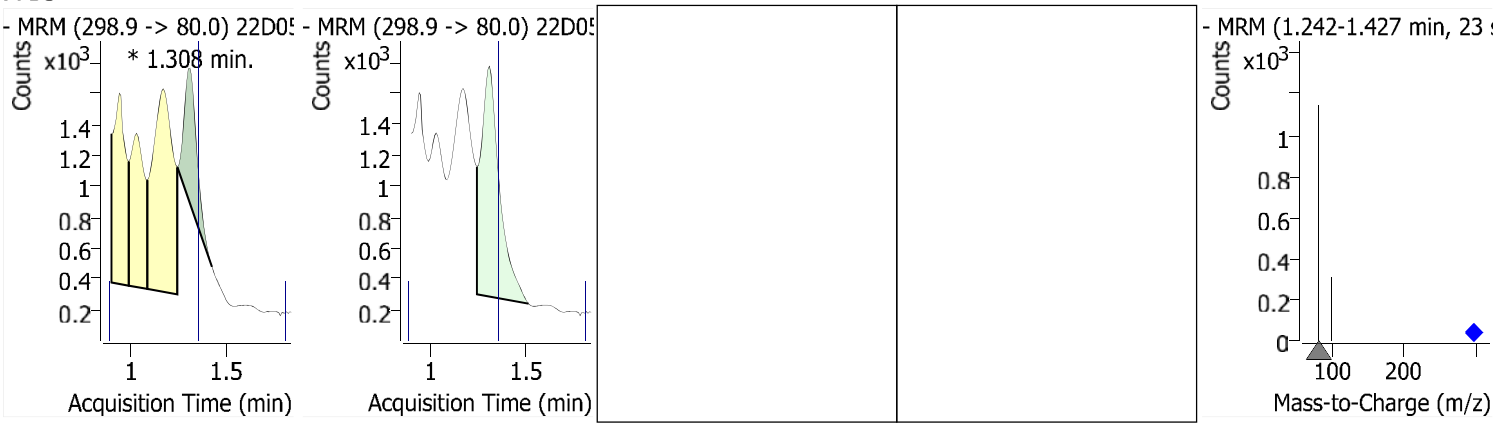
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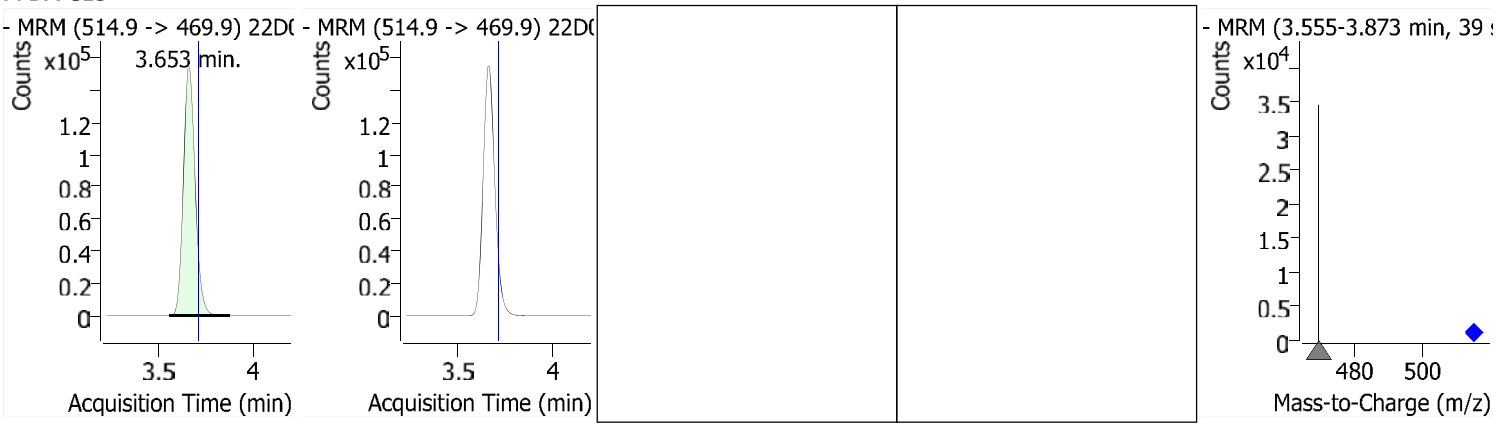
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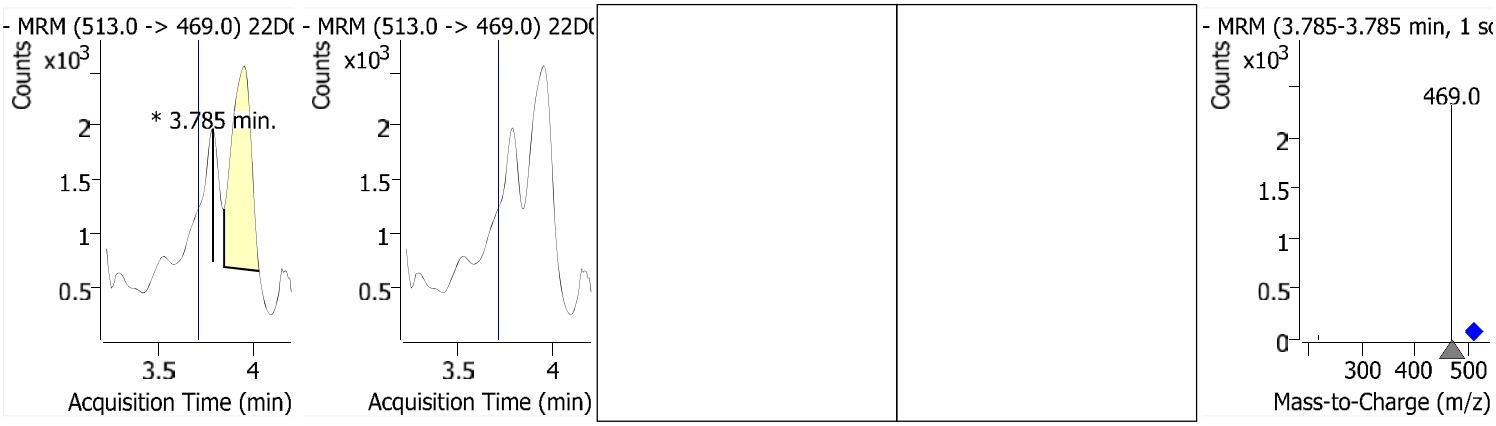
PFBS



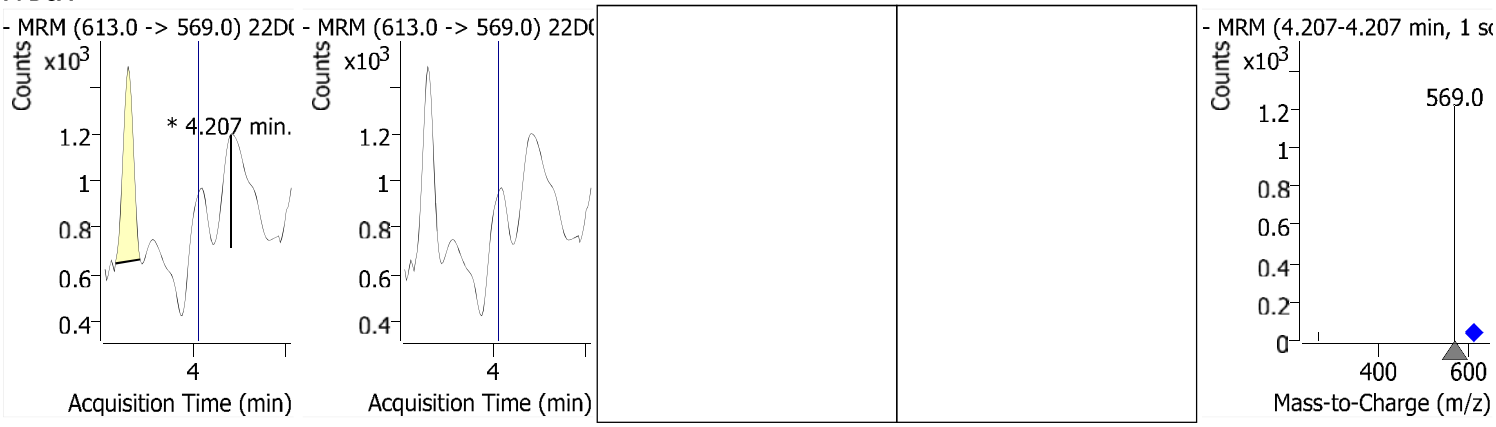
PFDA C13



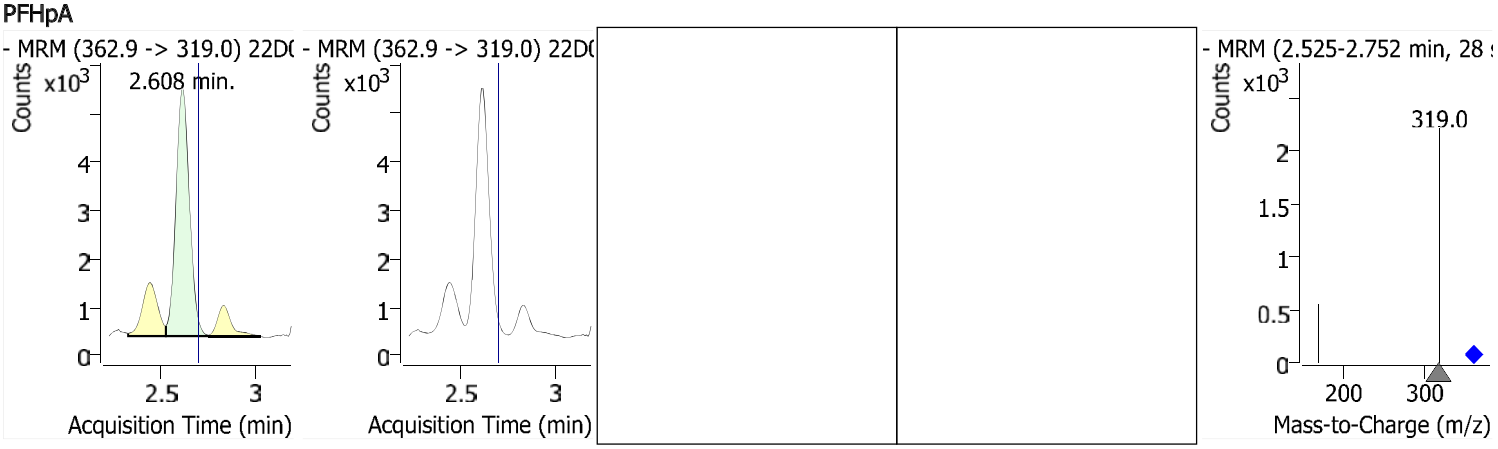
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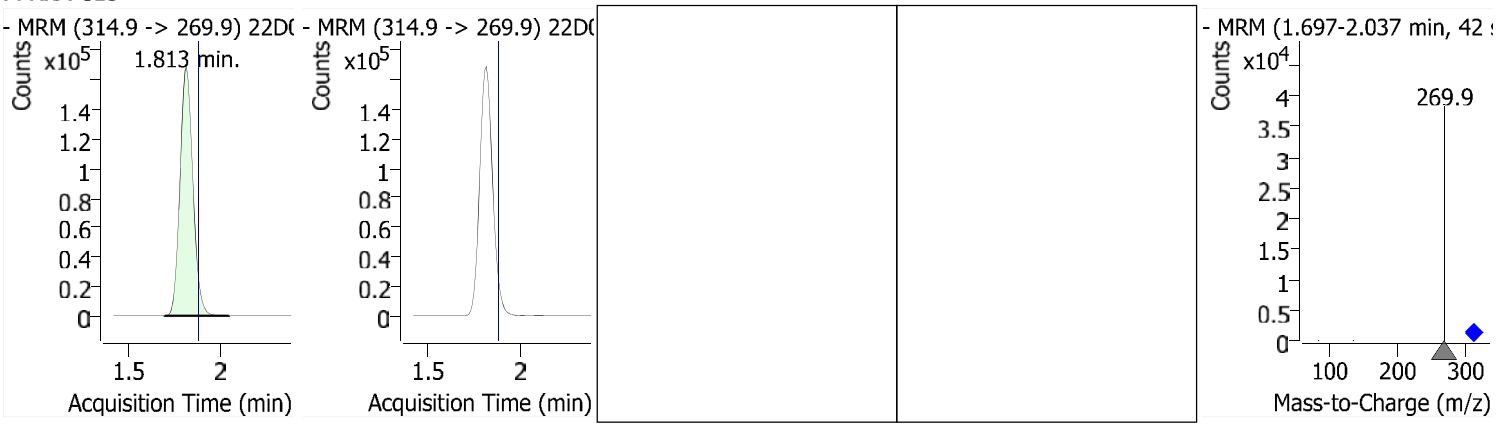
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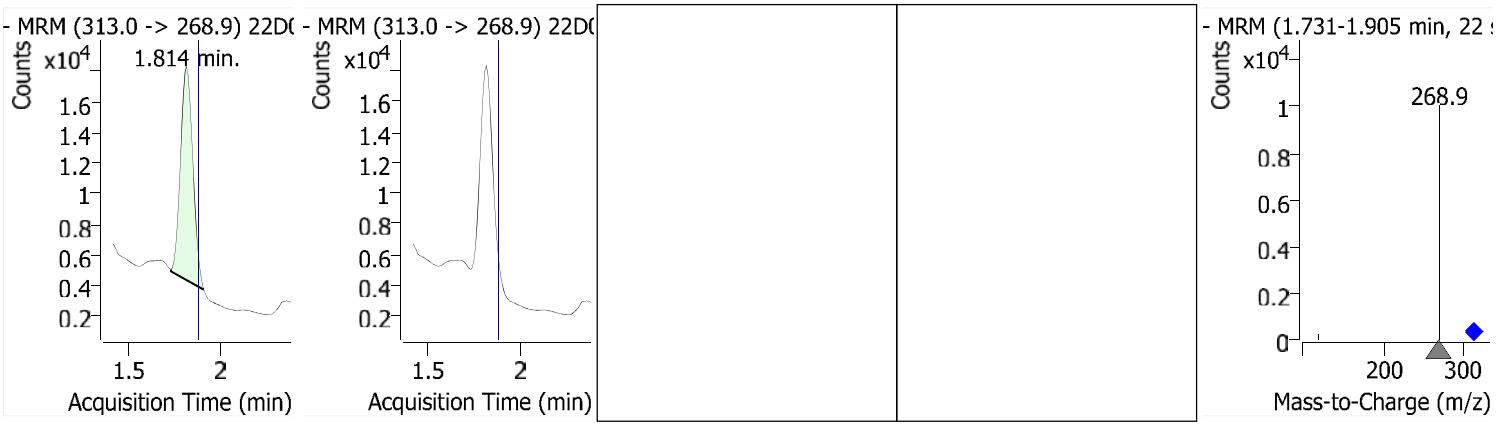
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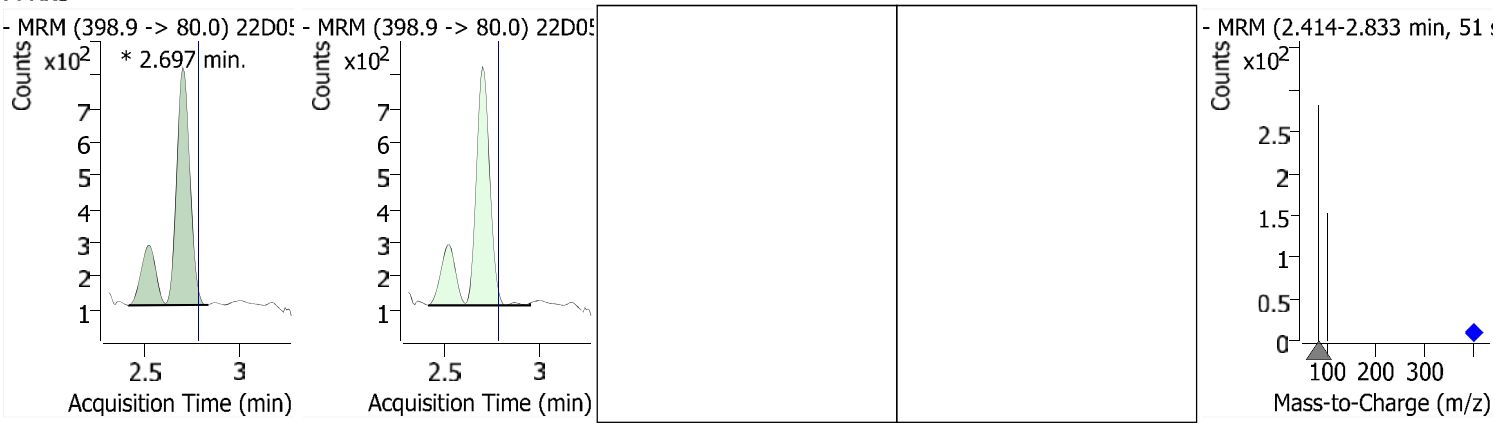
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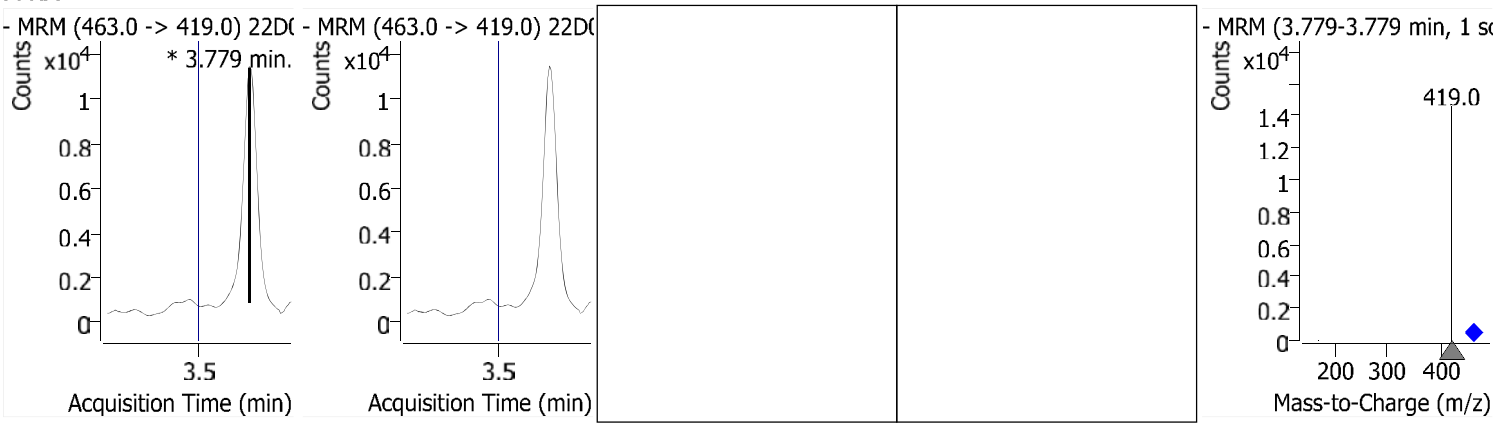
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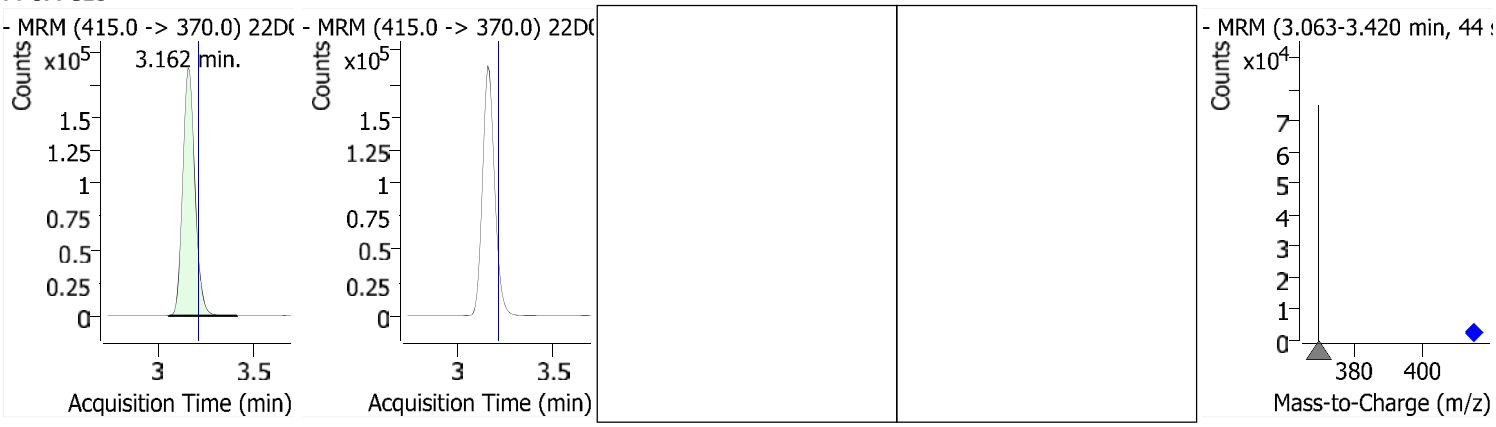
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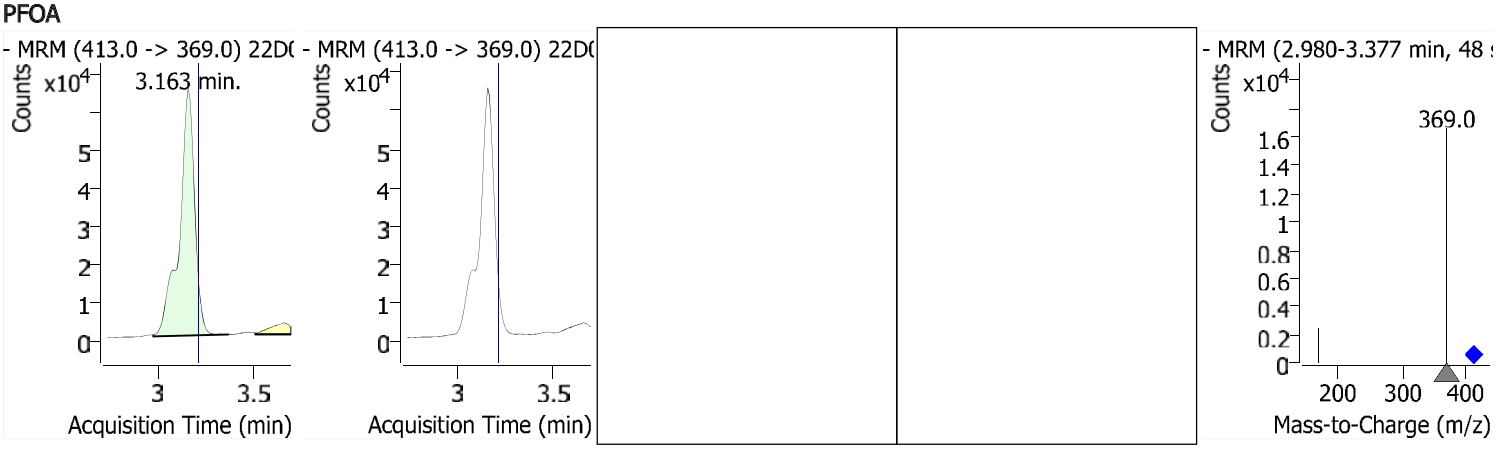
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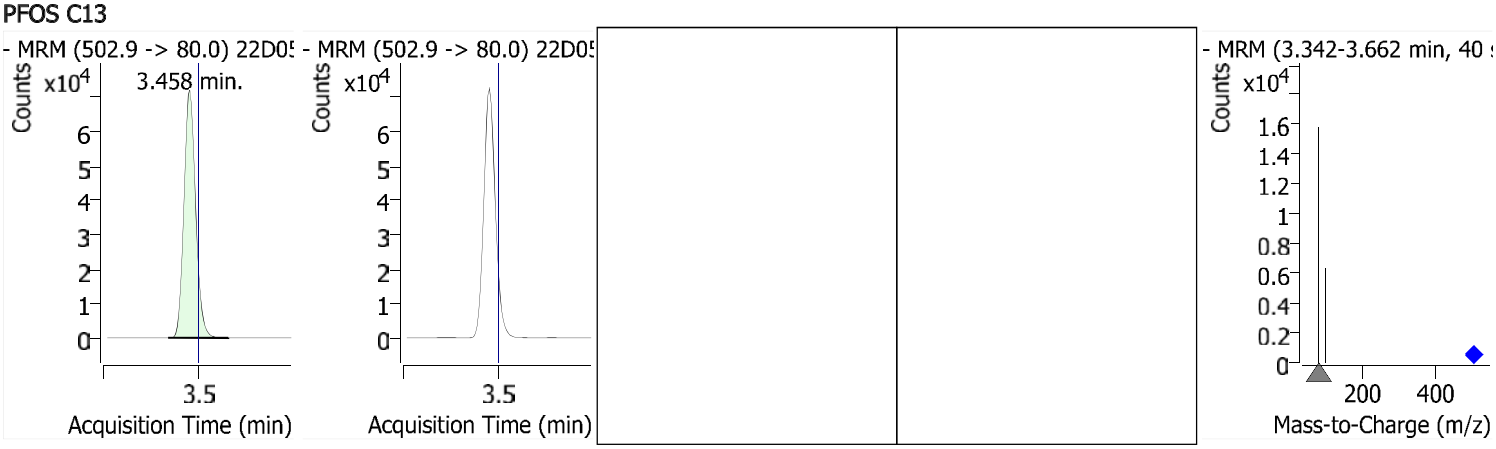
PFOA C13



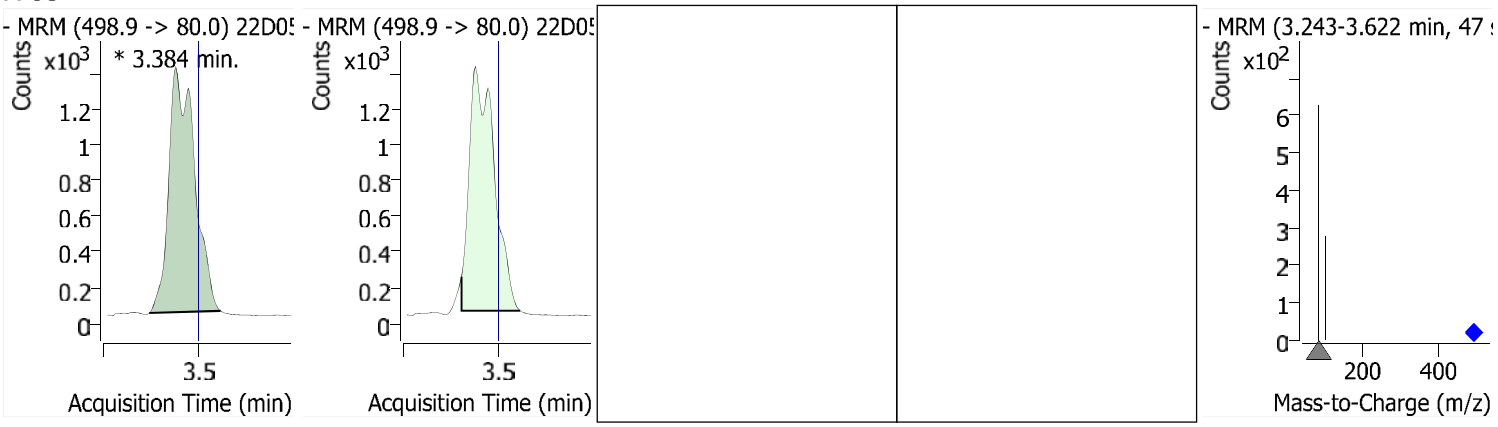
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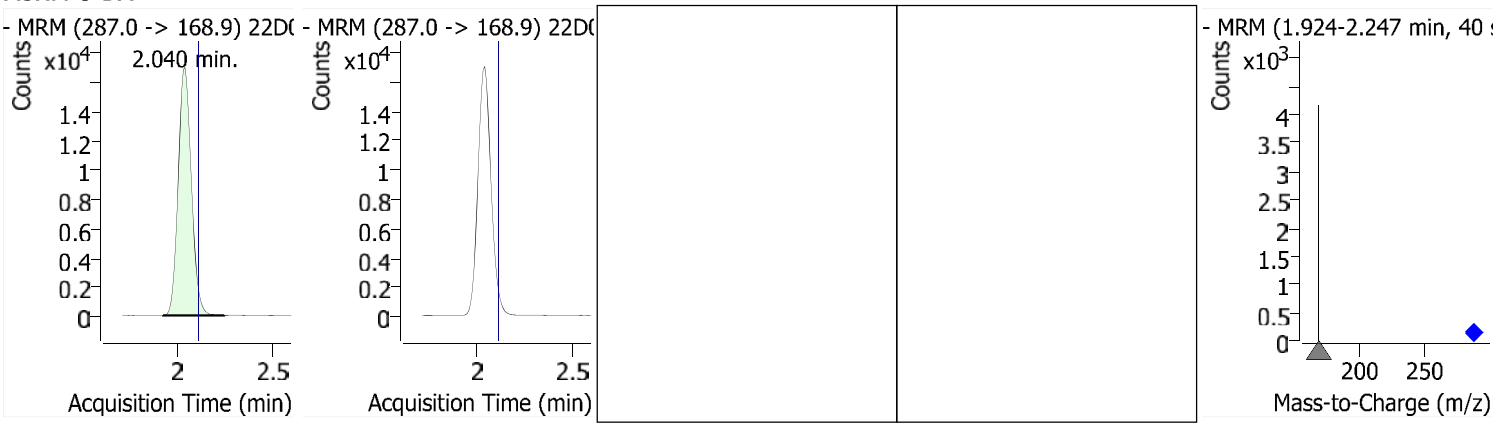
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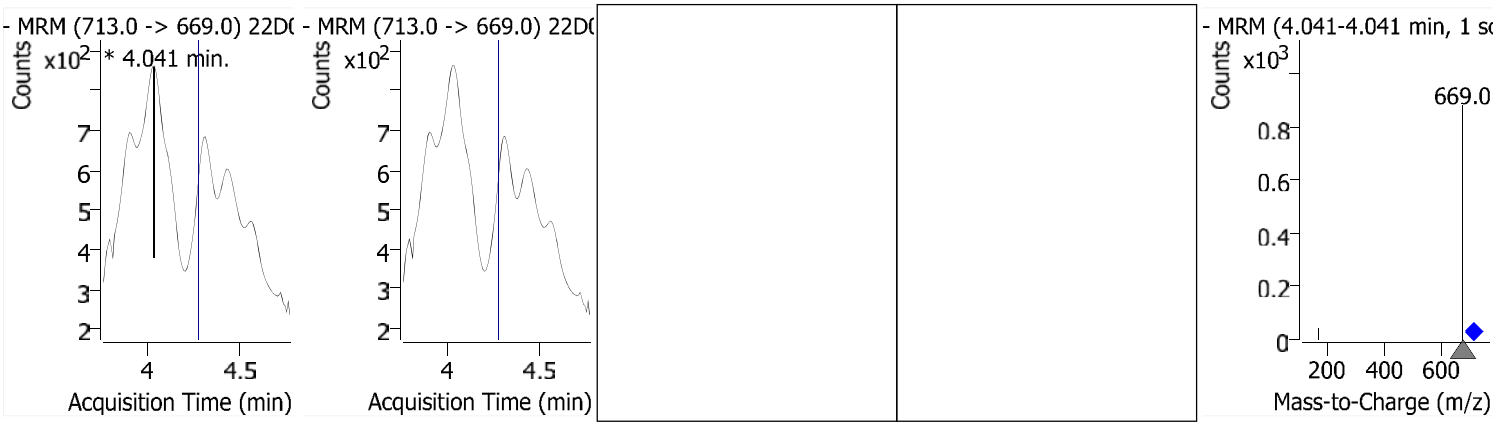
PFOS



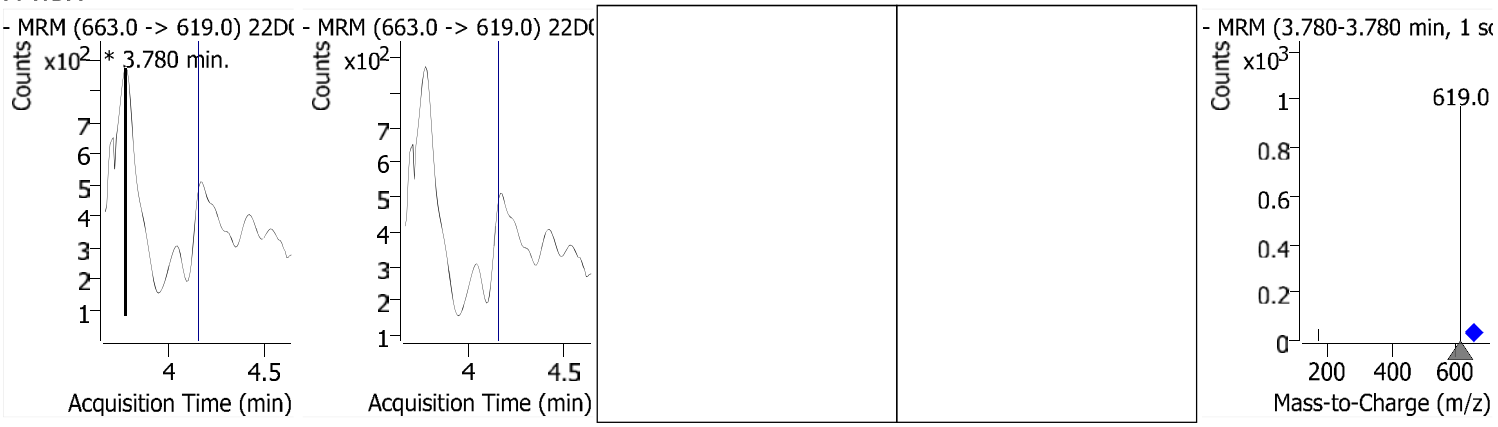
M3HFPO-DA



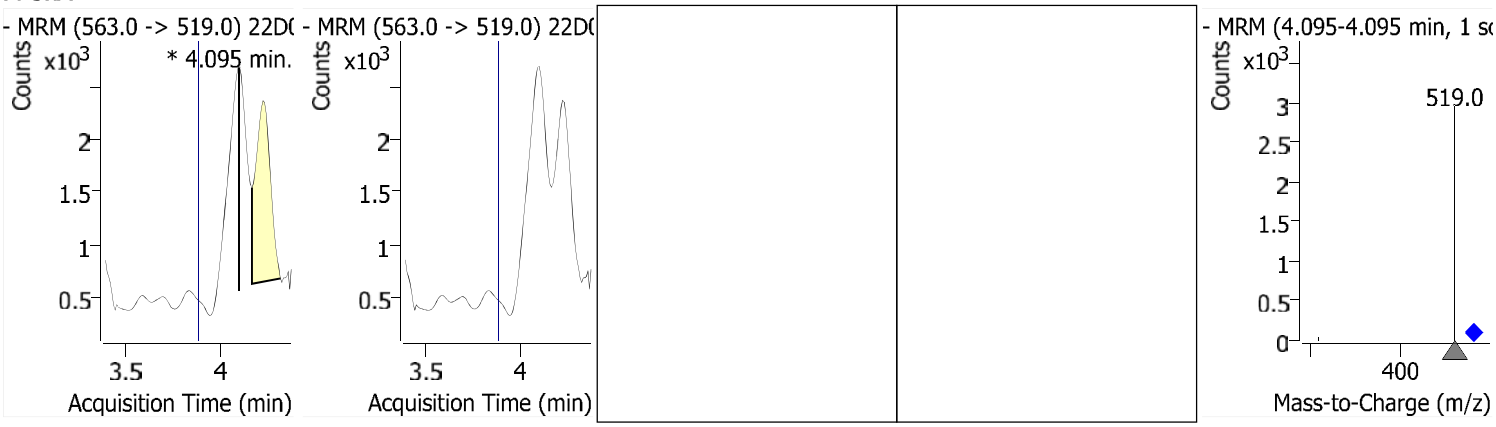
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.095 min.
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
Acquisition Time (min)
- MRM (4.095-4.095 min, 1 s(
Counts
x10^3
519.0
Mass-to-Charge (m/z)

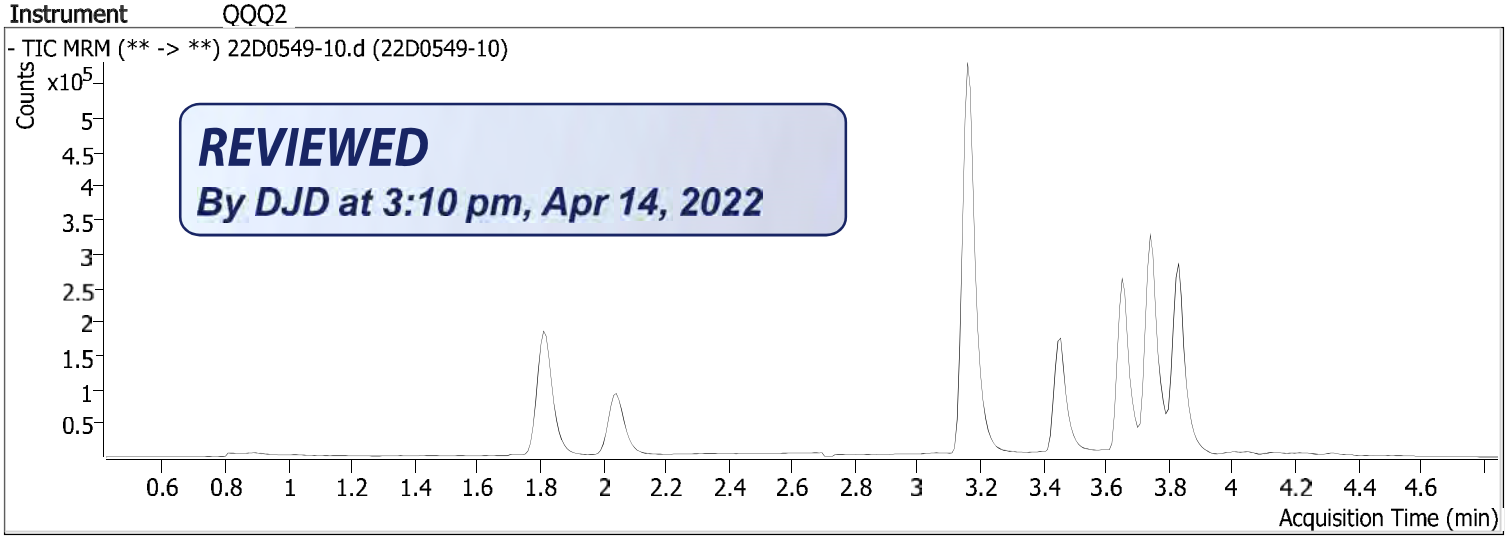
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-10	File ID:	22D0549-10.d
Sampled:	04/05/22 17:30	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:14
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	257.68 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

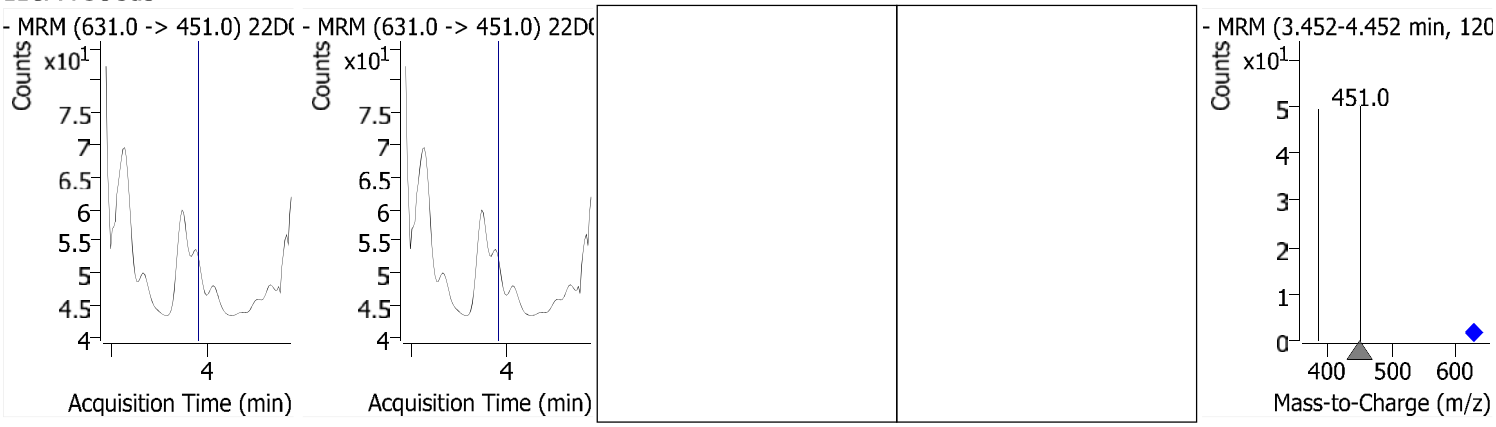
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.75	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.86	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.63	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.66	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.91	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.84	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.86	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.71	1.9	
2991-50-6	N-EtFOSAA		0.68	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.66	1.9	
2355-31-9	N-MeFOSAA		0.63	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.60	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.58	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.50	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.86	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.74	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.88	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.79	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:14 PM	Data File	22D0549-10.d
Sample Type	Sample	Sample Name	22D0549-10
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

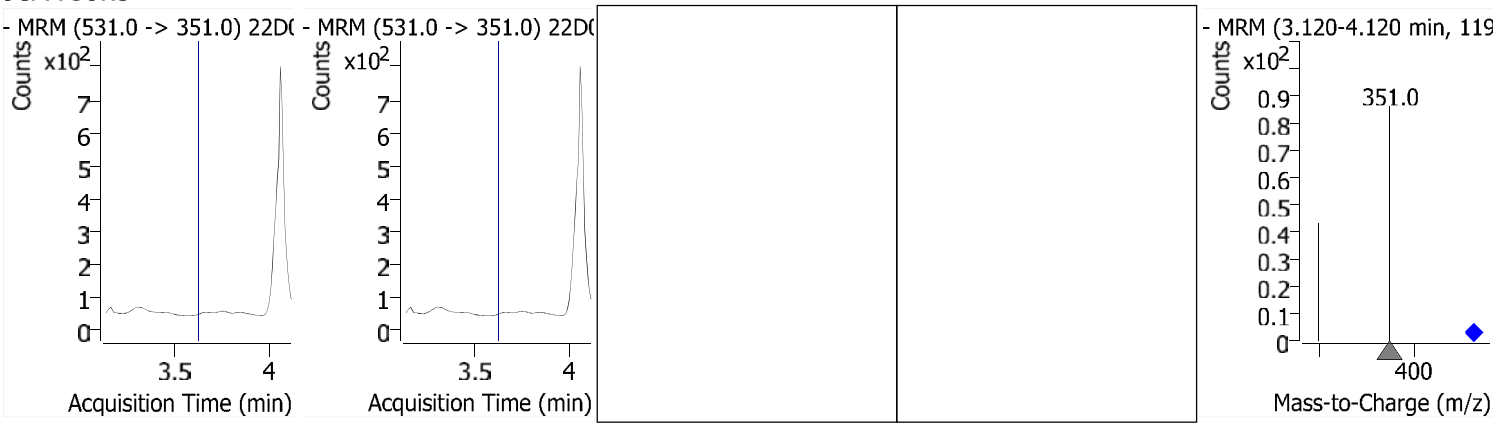


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	321715	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	321715	ND	pg/ml			
ADONA			PFOA C13	3.162	835934	ND	pg/ml			
d5-N-EtFOSAA	3.831	719597	d3-N-MeFOSAA	3.741	818210	37992.2682	pg/ml			
HFPO-DA	2.032	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	818210	ND	pg/ml			
N-MeFOSAA	3.750	345	d3-N-MeFOSAA	3.741	818210	15.3396	pg/ml			
PFBS			PFOS C13	3.458	321715	ND	pg/ml			
PFDA C13	3.653	665112	PFOA C13	3.162	835934	9229.1823	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.199	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	835934	ND	pg/ml			
PFHxA C13	1.813	632799	PFOA C13	3.162	835934	8272.8816	pg/ml			
PFHxA			PFOA C13	3.162	835934	ND	pg/ml			
PFHxS	2.708	721	PFOS C13	3.458	321715	53.0424	pg/ml	✔	3	DRL 04/14/22
PFNA	3.787	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.163	9863	PFOA C13	3.162	835934	116.4657	pg/ml	✔	3	DRL 04/14/22
PFOS			PFOS C13	3.458	321715	ND	pg/ml			
M3HFPO-DA	2.040	66030	PFOA C13	3.162	835934	8487.7231	pg/ml			
PFTA	4.025	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	4.247	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.119	0	PFOA C13	3.162	835934	ND	pg/ml	✔	1	DRL 04/14/22

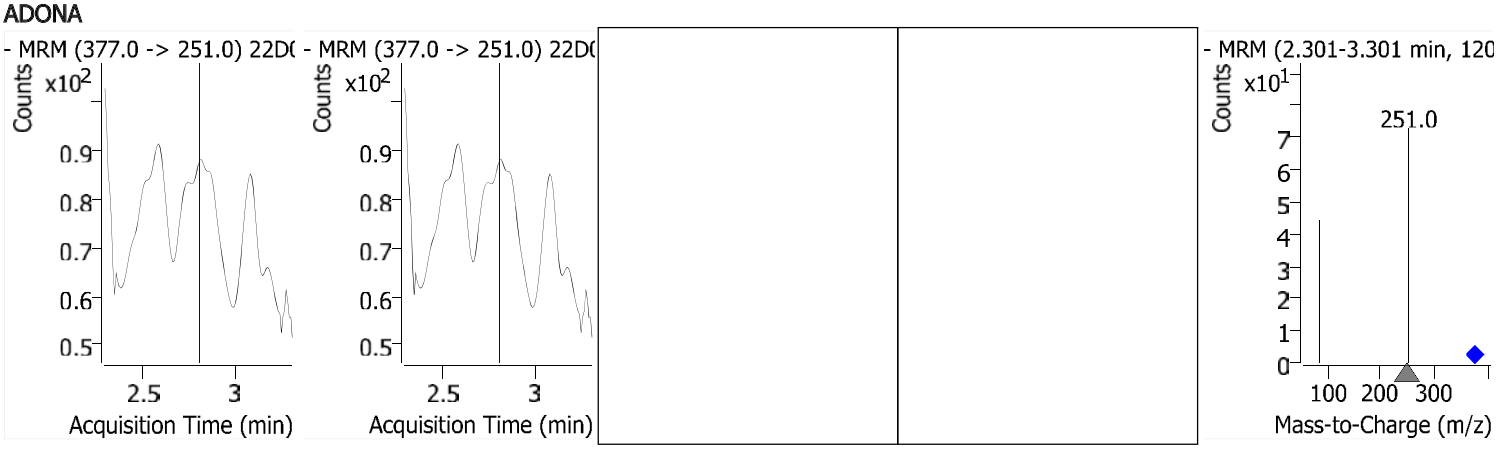
11Cl-PF3OUdS



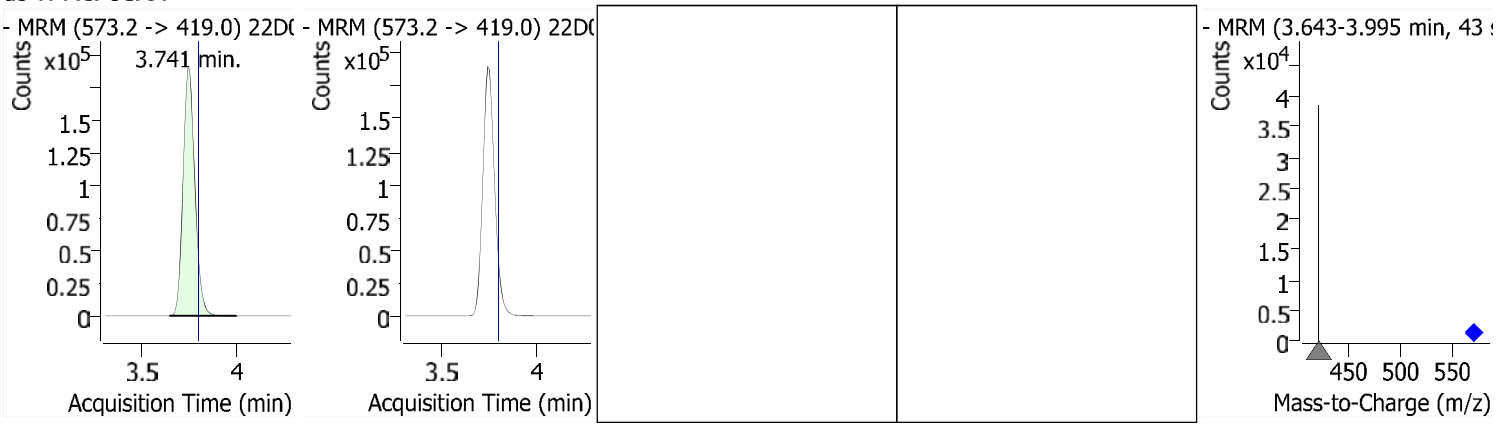
9Cl-PF3ONS



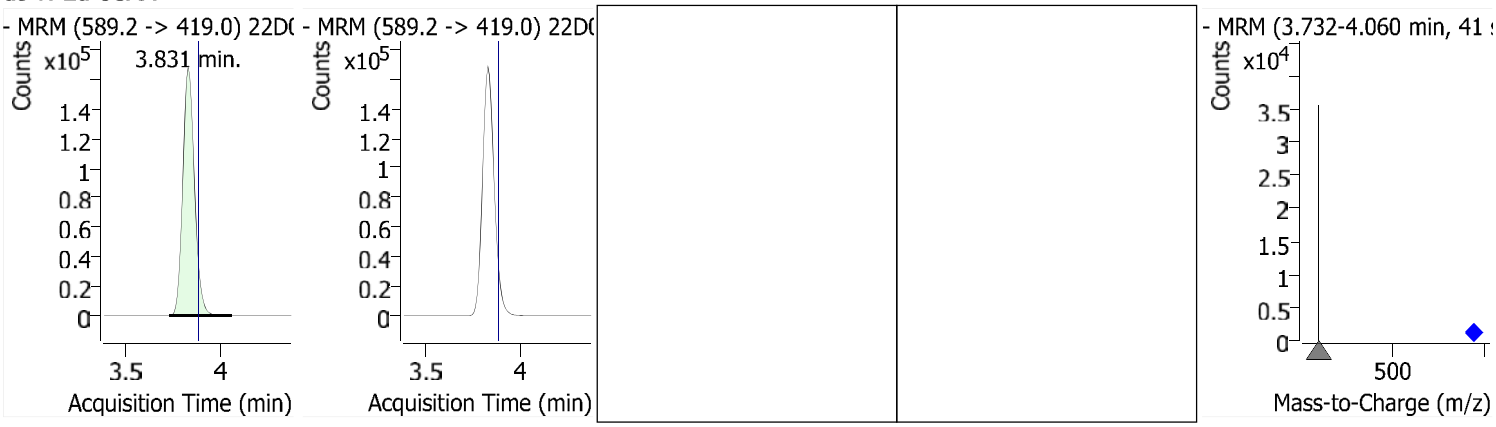
ADONA



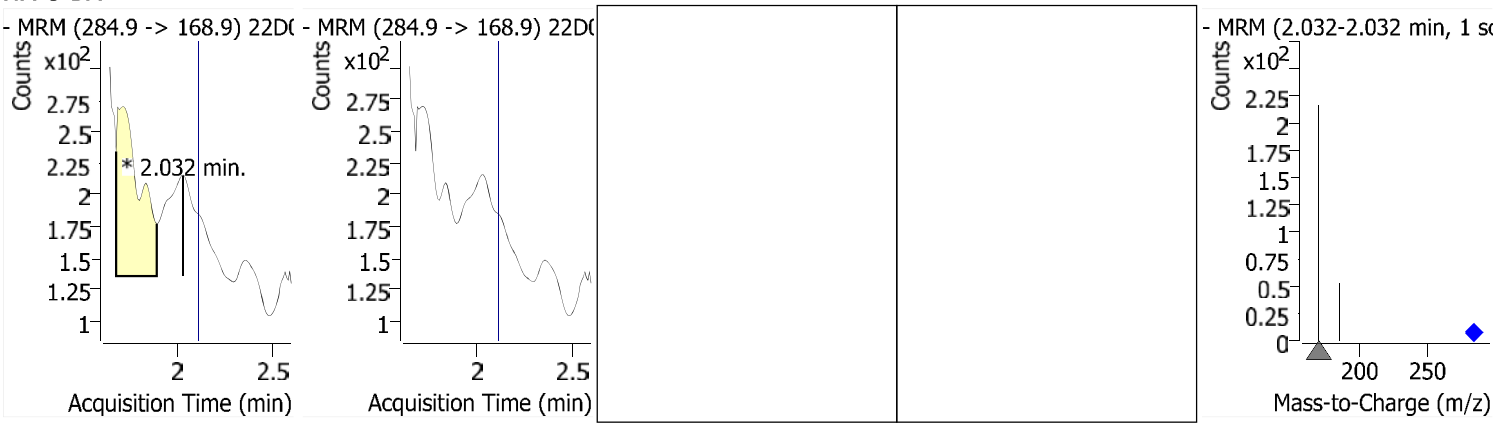
d3-N-MeFOSAA



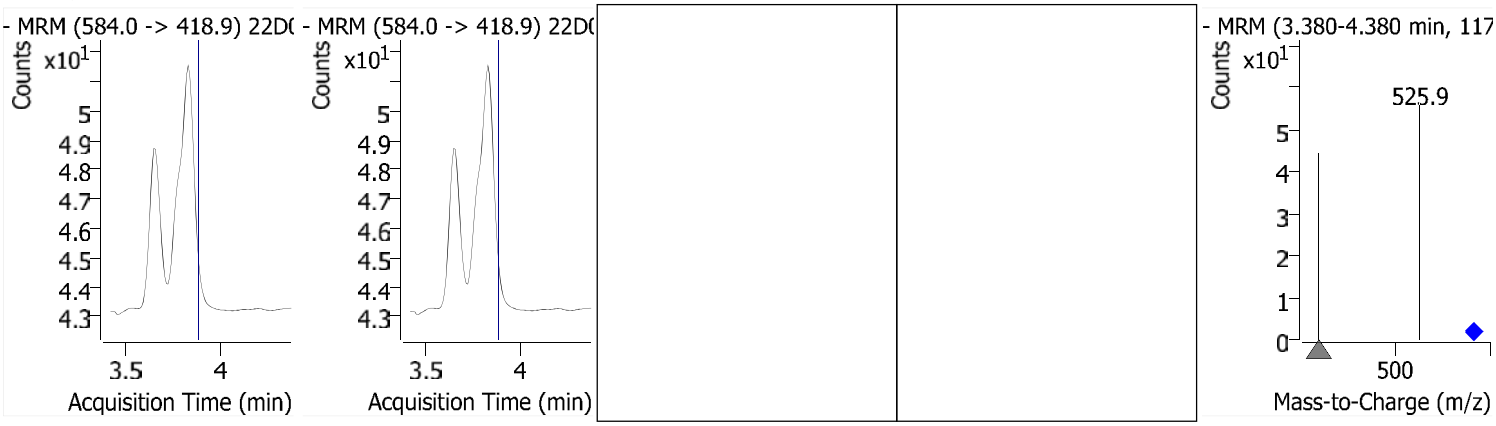
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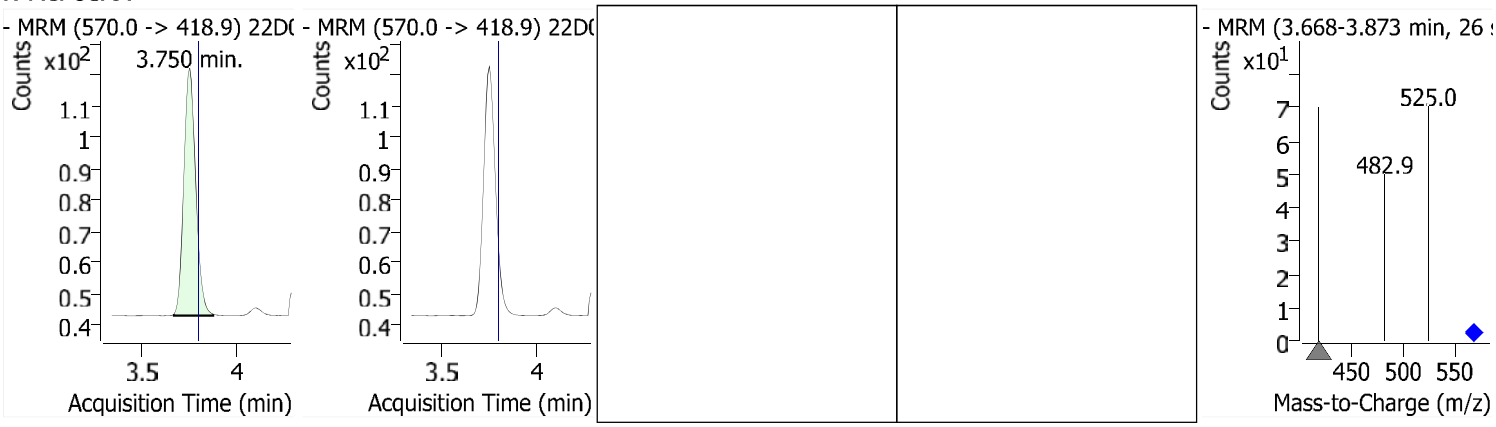
HFPO-DA



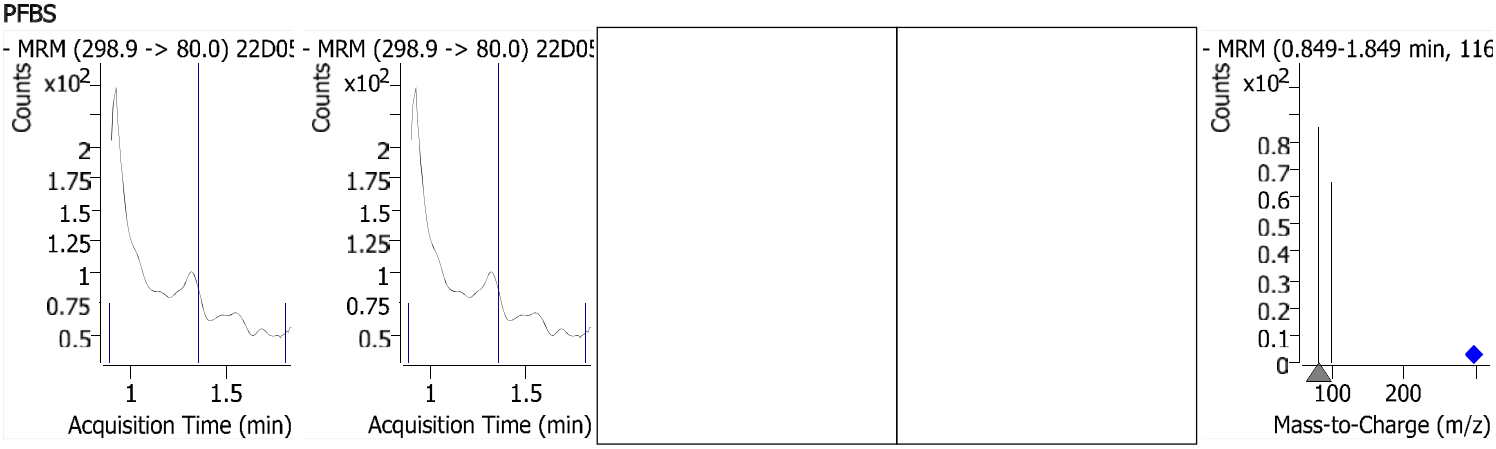
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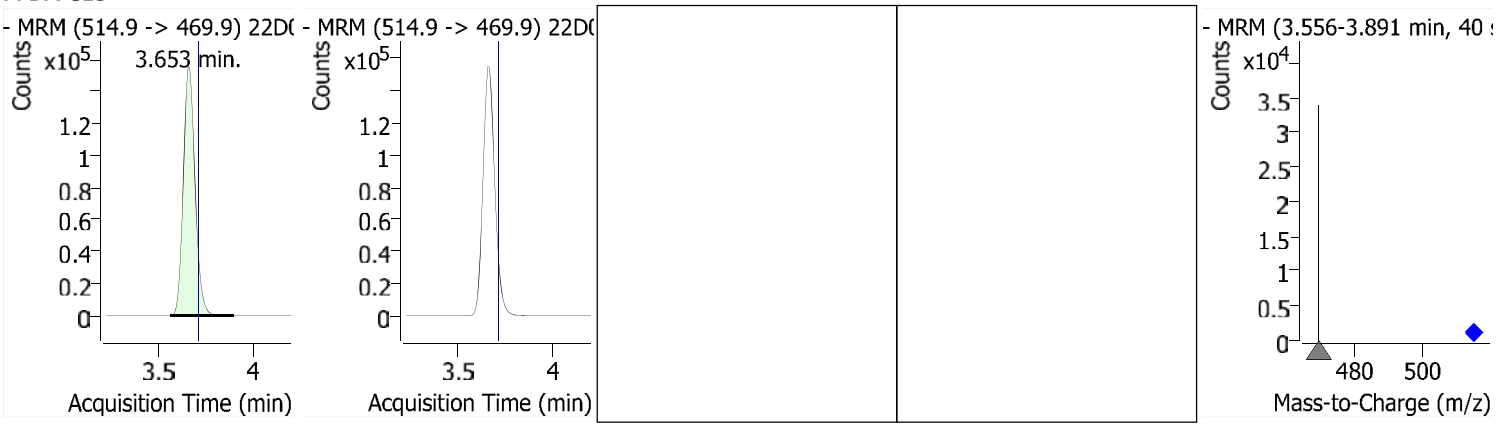
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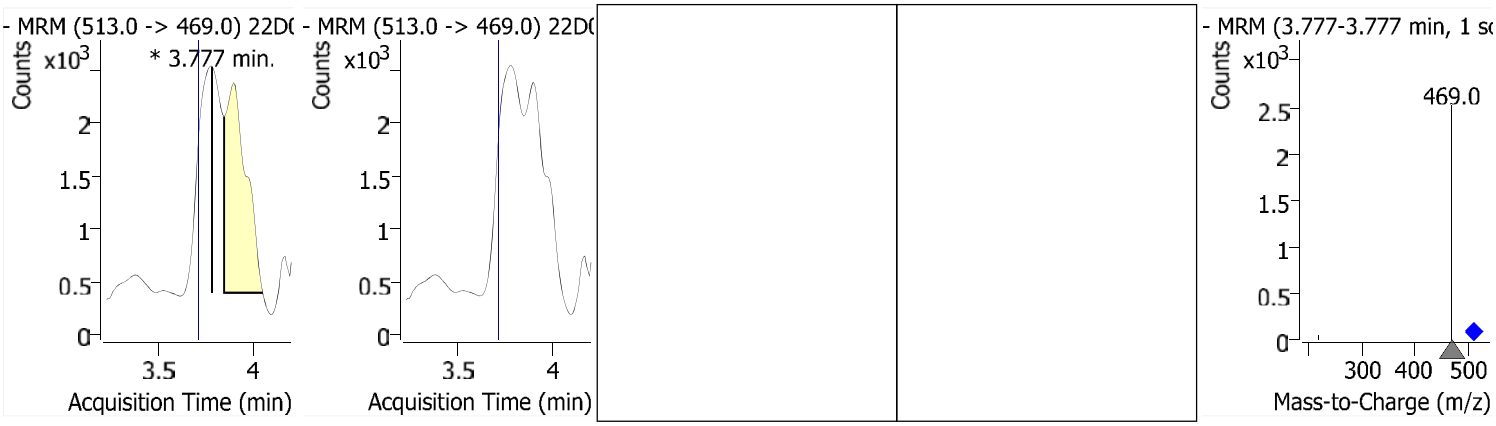
PFBS



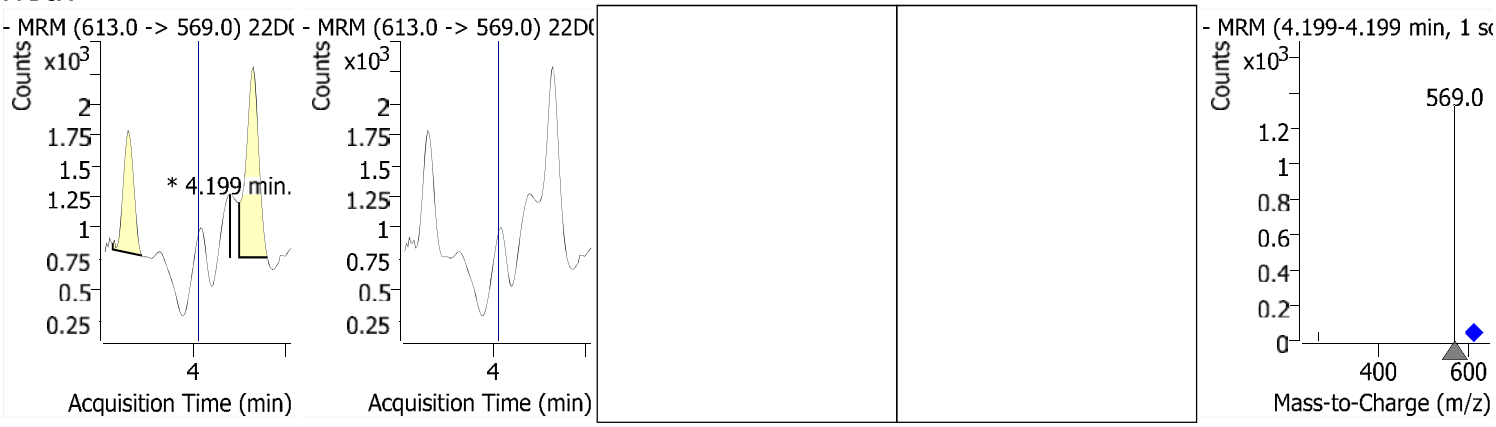
PFDA C13



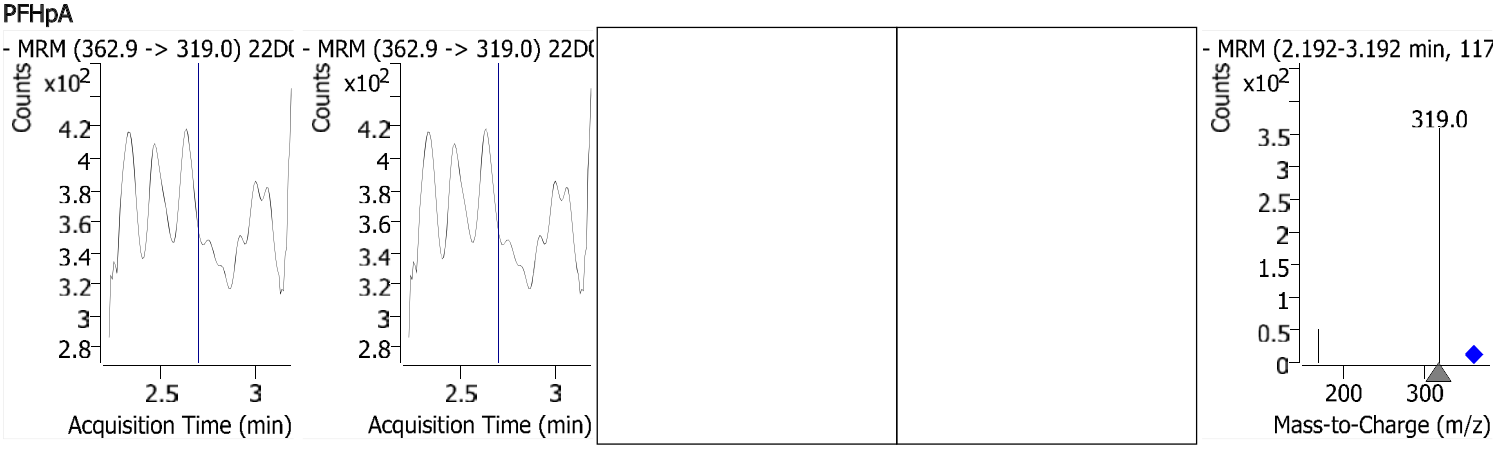
PFDA



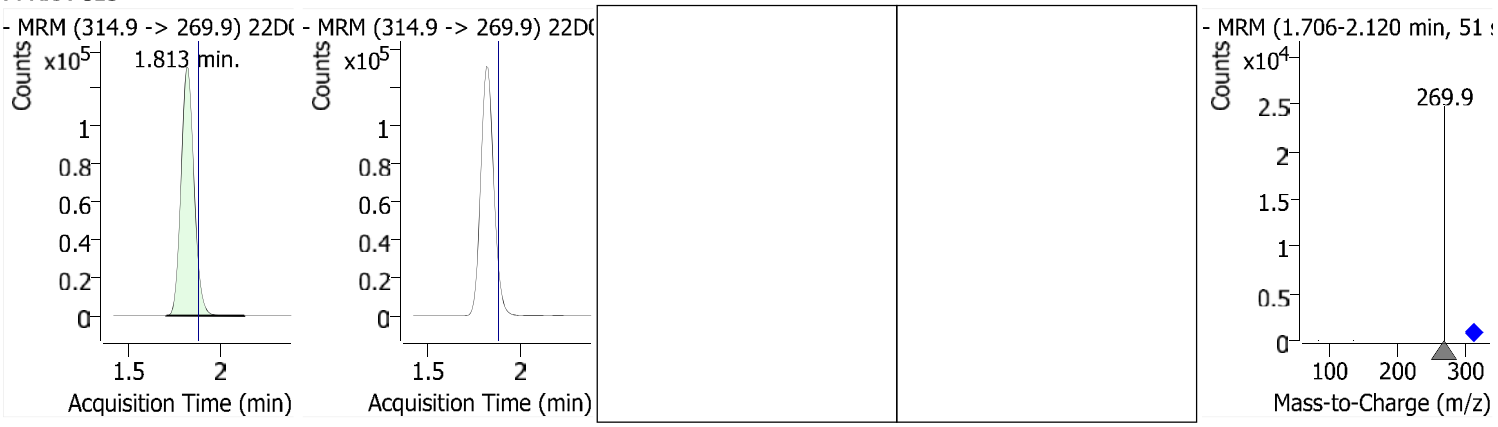
PFDoA



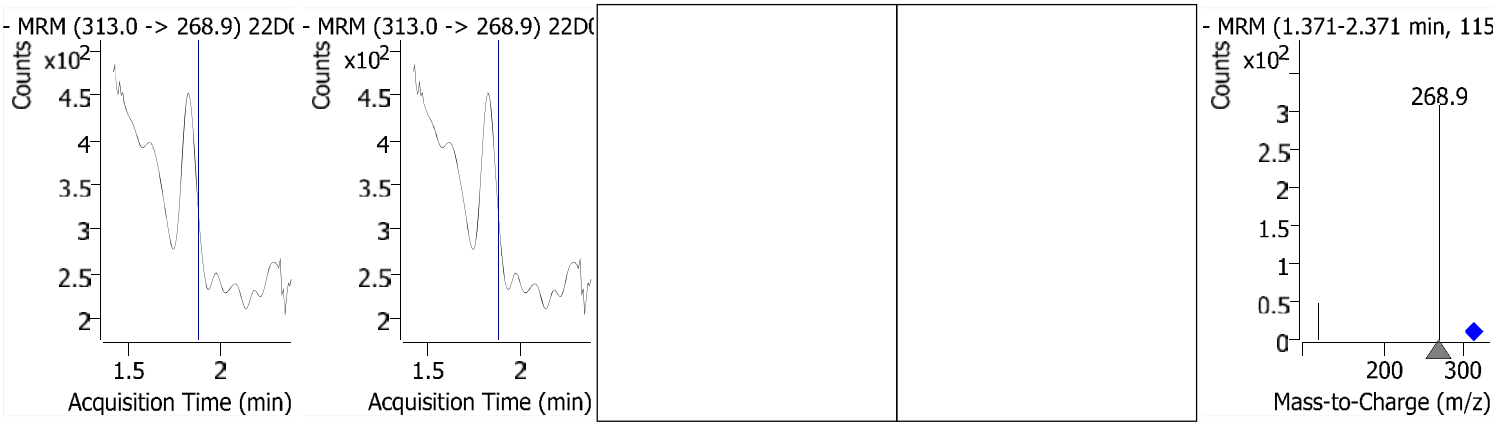
PFHpA



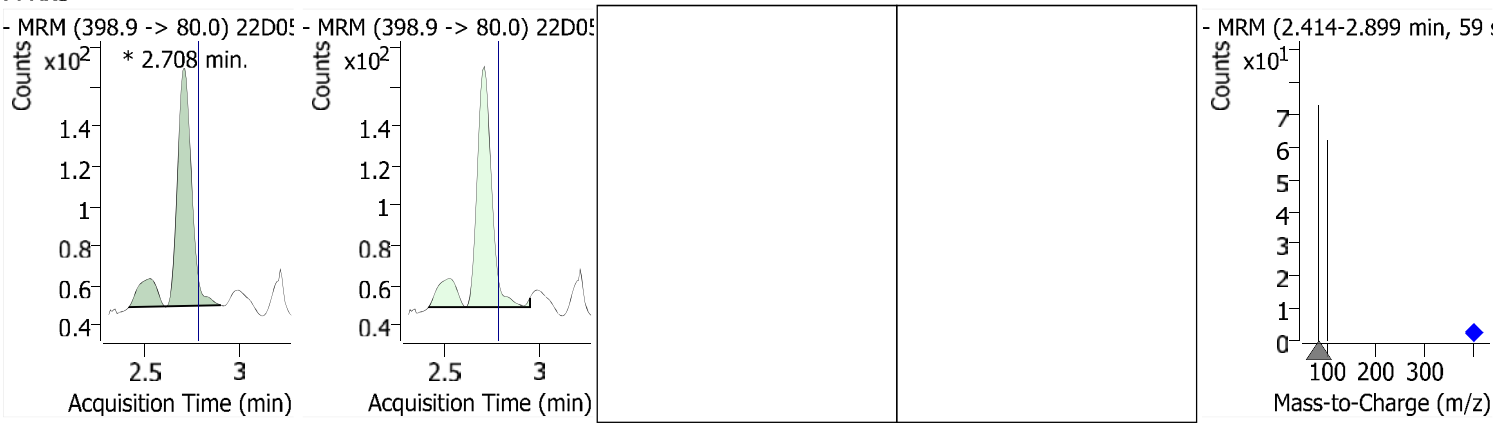
PFHxA C13



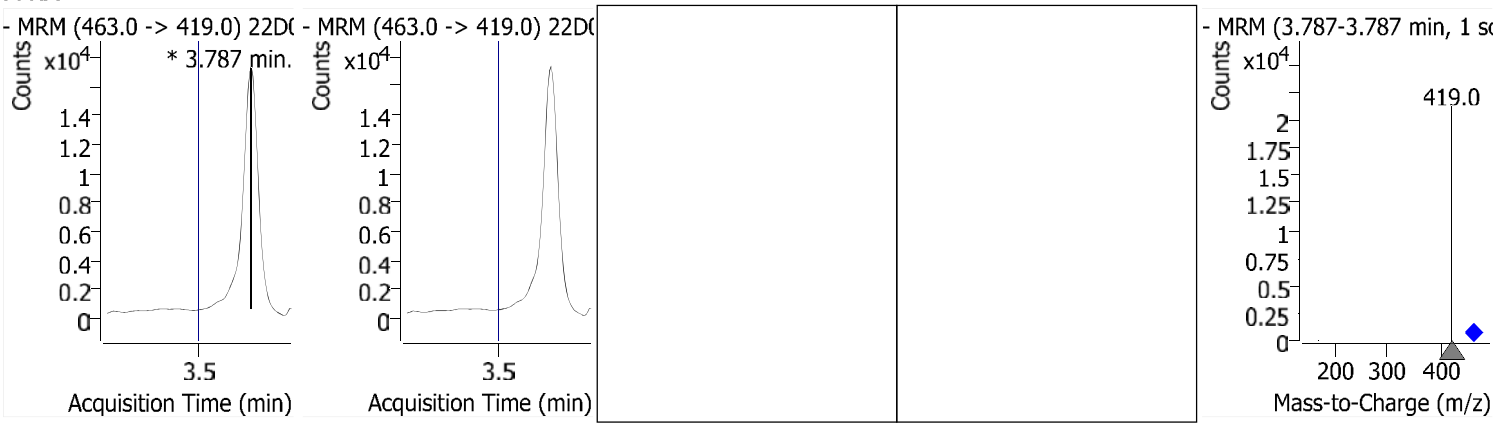
PFHxA



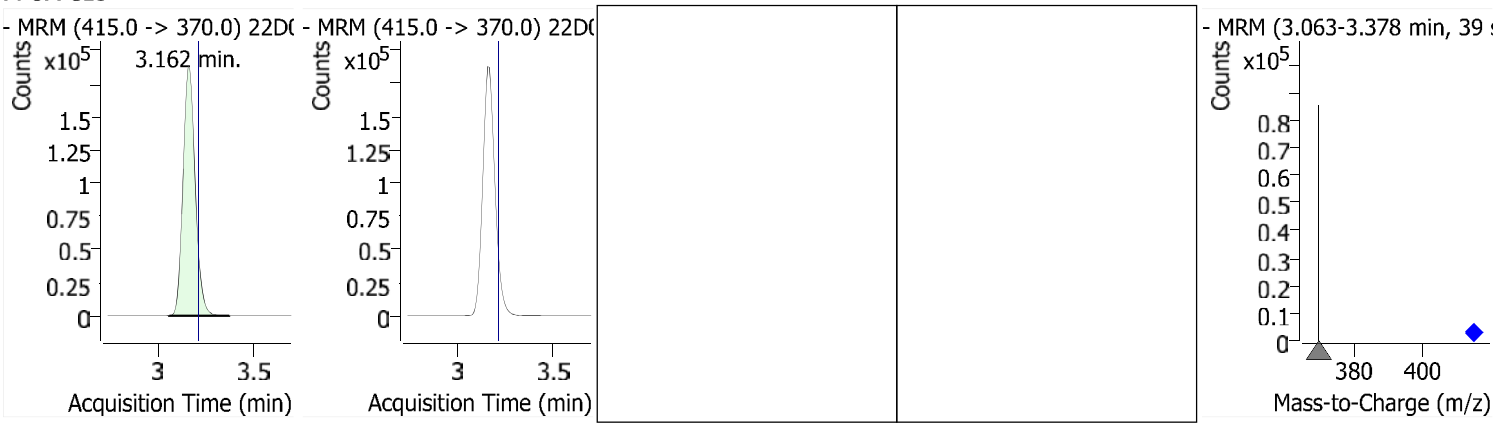
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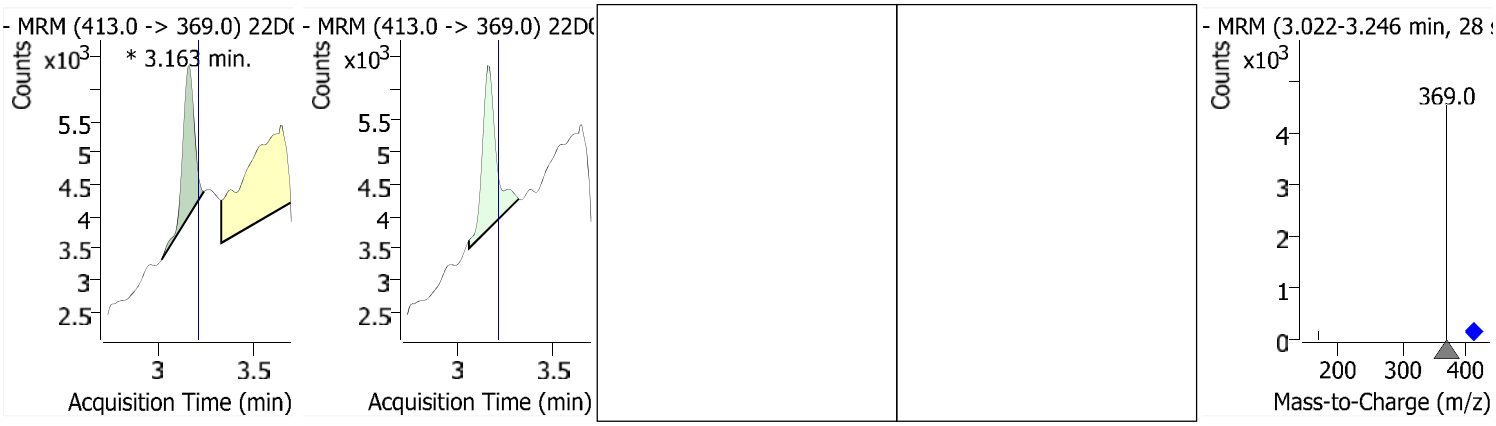
PFNA



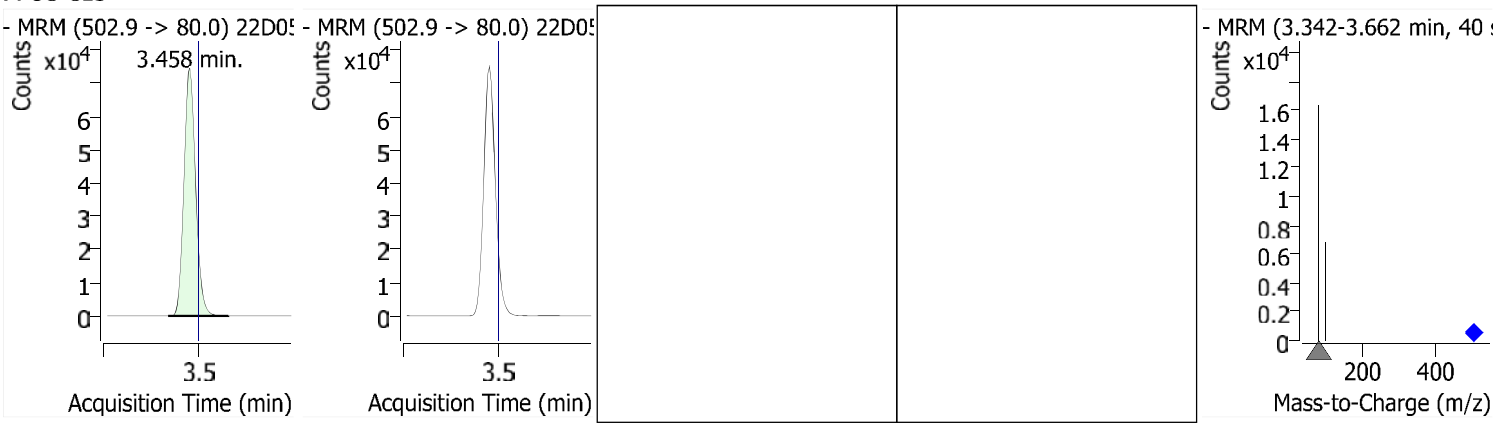
PFOA C13



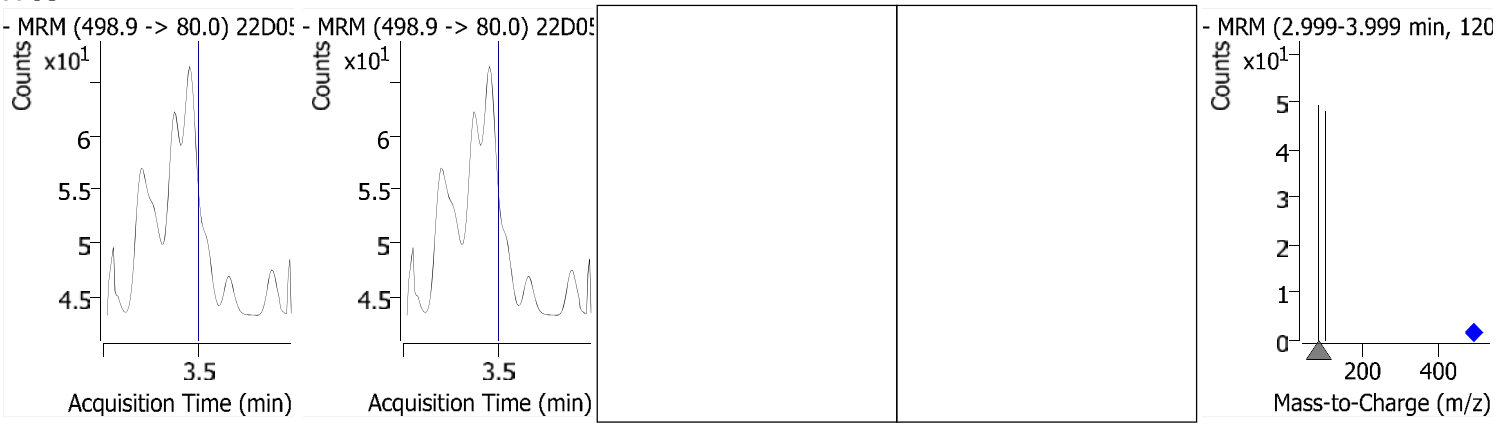
PFOA



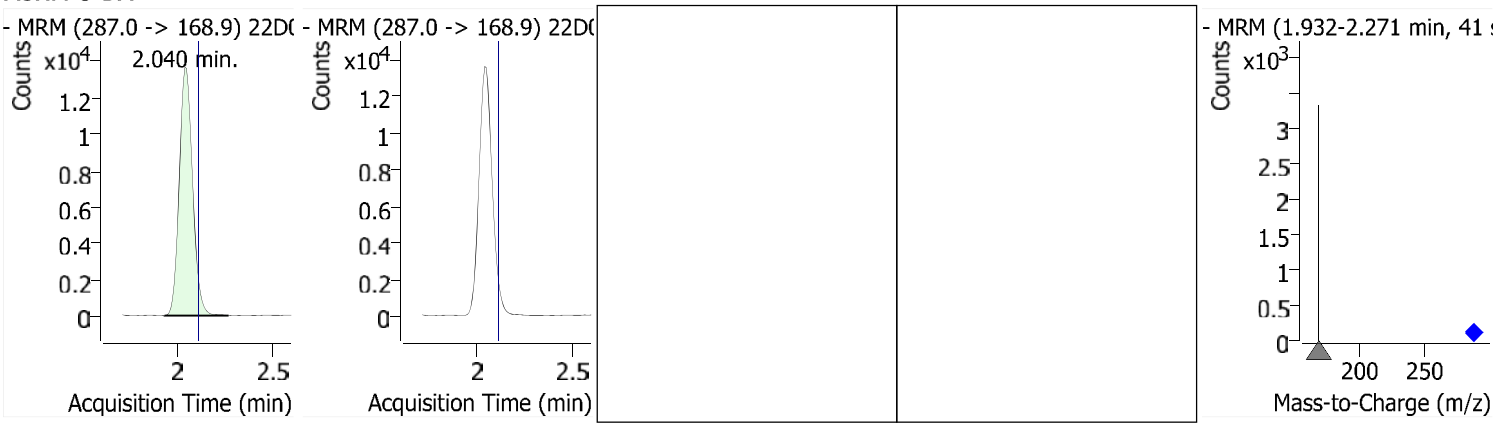
PFOS C13



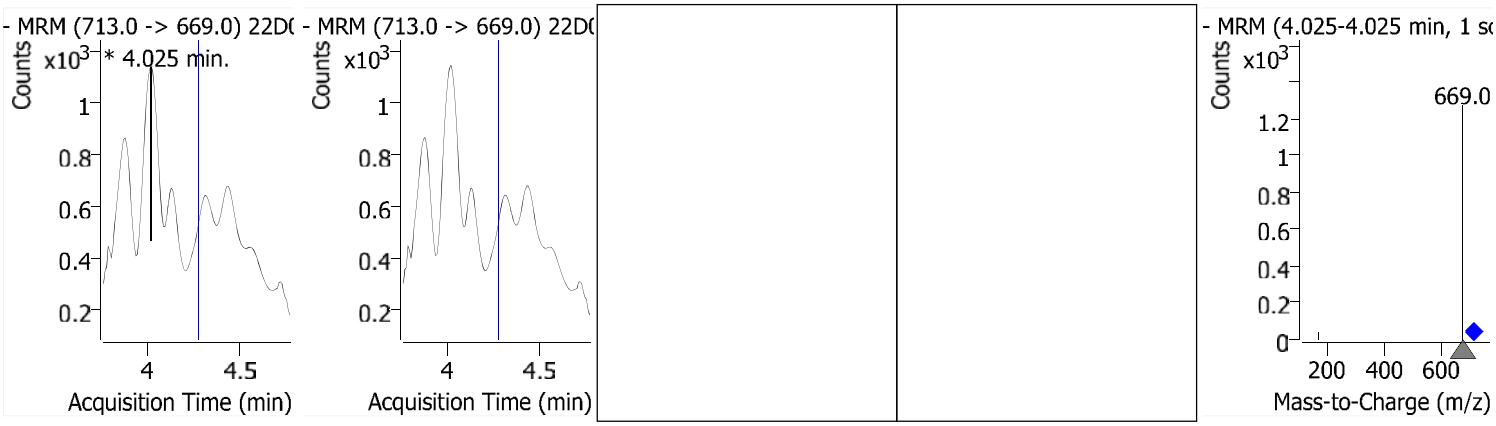
PFOS



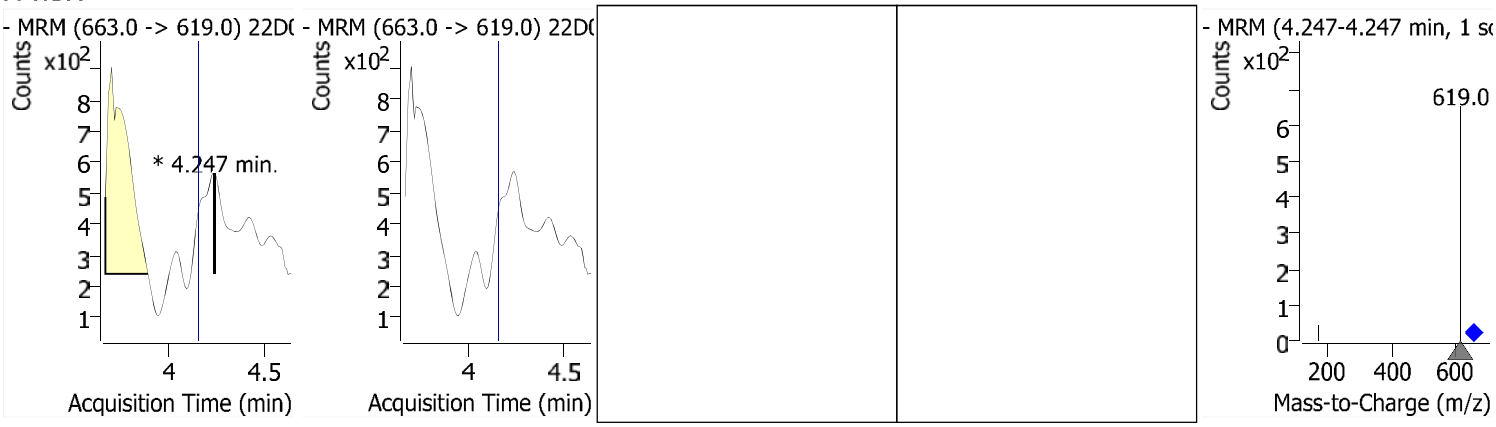
M3HFPO-DA



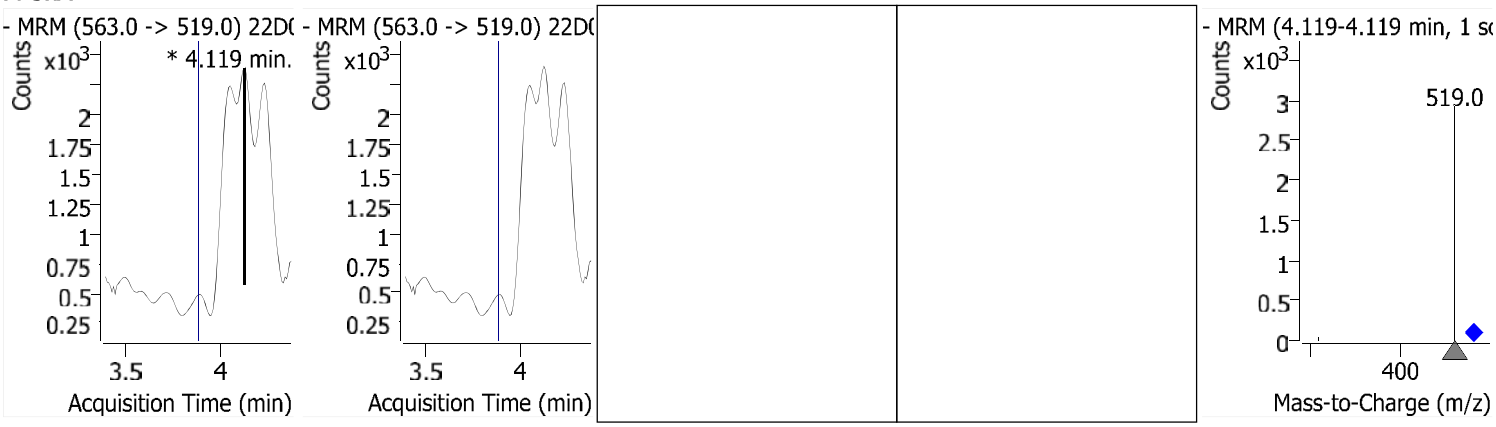
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.119 min.
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (4.119-4.119 min, 1 s(
Counts
x10^3
519.0
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

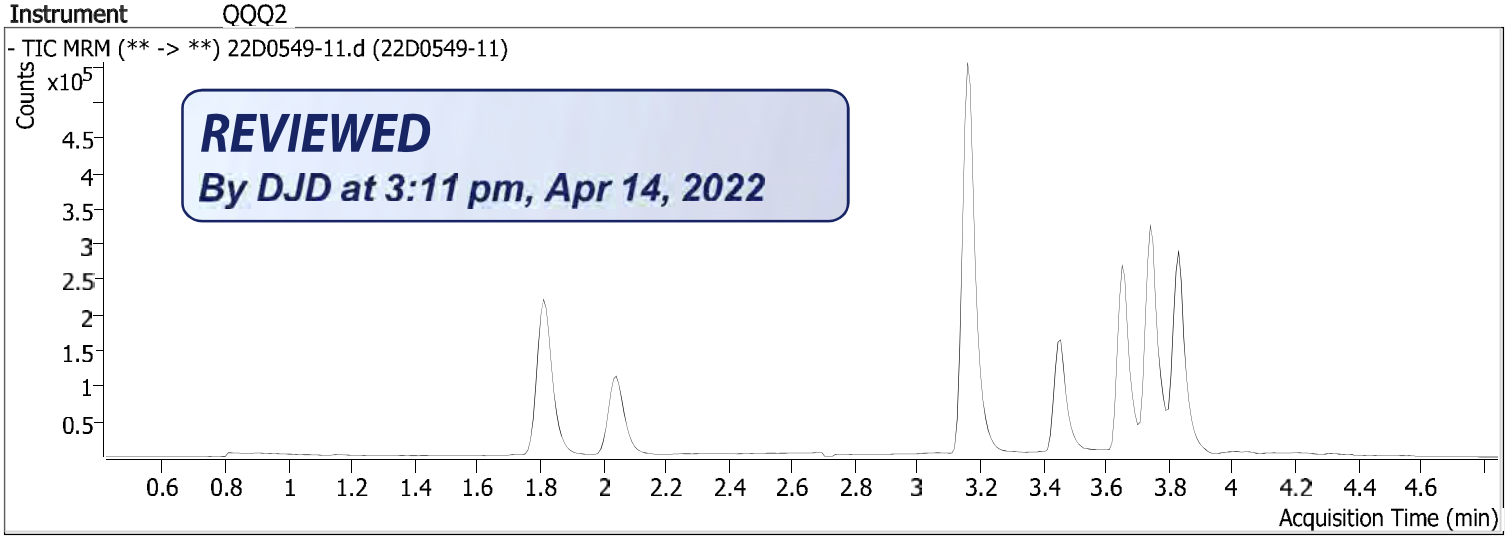
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-102S

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-11	File ID:	22D0549-11.d
Sampled:	04/05/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:28
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	258.48 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

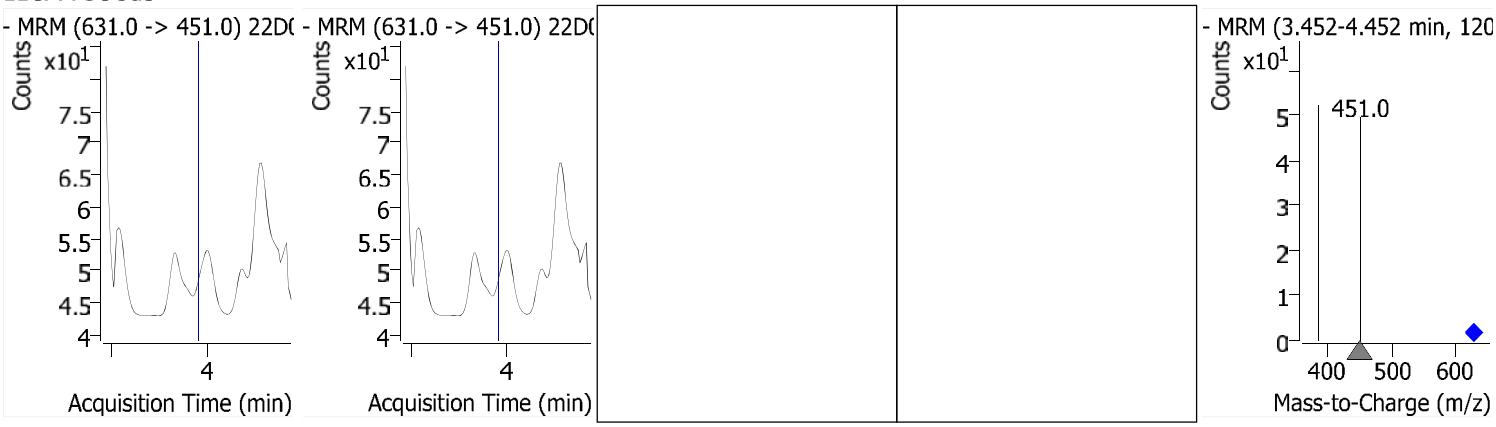
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.74	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.86	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.63	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.65	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.91	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.84	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.86	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.71	1.9	
2991-50-6	N-EtFOSAA		0.67	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.65	1.9	
2355-31-9	N-MeFOSAA		0.63	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.60	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.57	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.50	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.85	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.74	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.88	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.79	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:28 PM	Data File	22D0549-11.d
Sample Type	Sample	Sample Name	22D0549-11
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

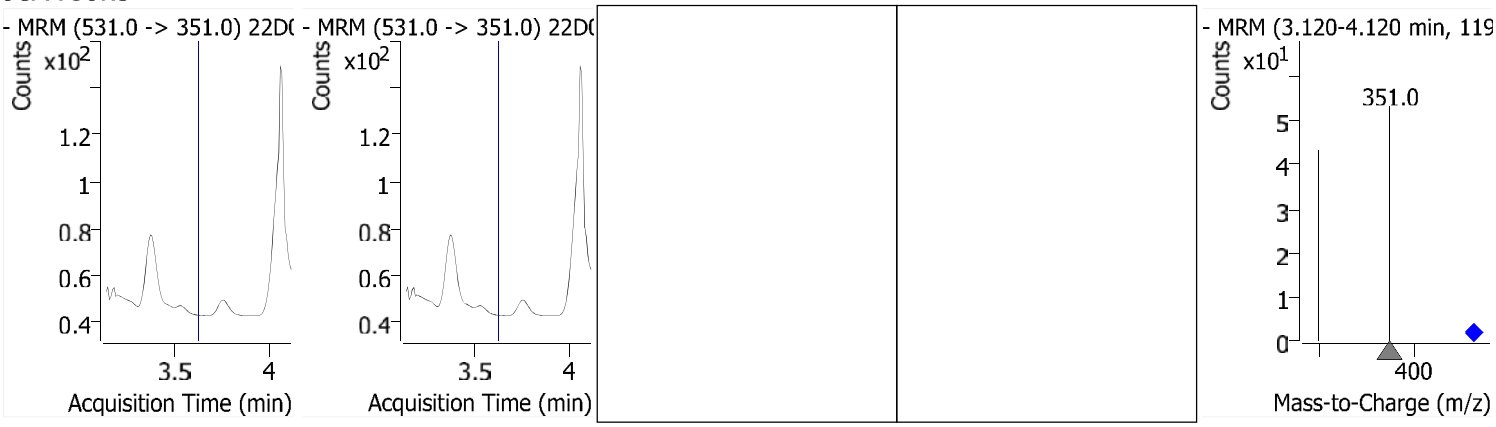


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	311179	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	311179	ND	pg/ml			
ADONA			PFOA C13	3.162	804040	ND	pg/ml			
d5-N-EtFOSAA	3.831	725373	d3-N-MeFOSAA	3.741	813816	38503.9881	pg/ml			
HFPO-DA	1.751	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	813816	ND	pg/ml			
N-MeFOSAA	3.750	322	d3-N-MeFOSAA	3.741	813816	14.4205	pg/ml			
PFBS			PFOS C13	3.458	311179	ND	pg/ml			
PFDA C13	3.653	683864	PFOA C13	3.162	804040	9865.8020	pg/ml			
PFDA	3.793	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.323	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	804040	ND	pg/ml			
PFHxA C13	1.813	750749	PFOA C13	3.162	804040	10204.2289	pg/ml			
PFHxA			PFOA C13	3.162	804040	ND	pg/ml			
PFHxS	2.697	970	PFOS C13	3.458	311179	73.7143	pg/ml	✔	3	DRL 04/14/22
PFNA	3.787	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.163	4939	PFOA C13	3.162	804040	60.6423	pg/ml	✔	3	DRL 04/14/22
PFOS			PFOS C13	3.458	311179	ND	pg/ml			
M3HFPO-DA	2.040	75579	PFOA C13	3.162	804040	10100.4884	pg/ml			
PFTA	4.437	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.747	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.062	0	PFOA C13	3.162	804040	ND	pg/ml	✔	1	DRL 04/14/22

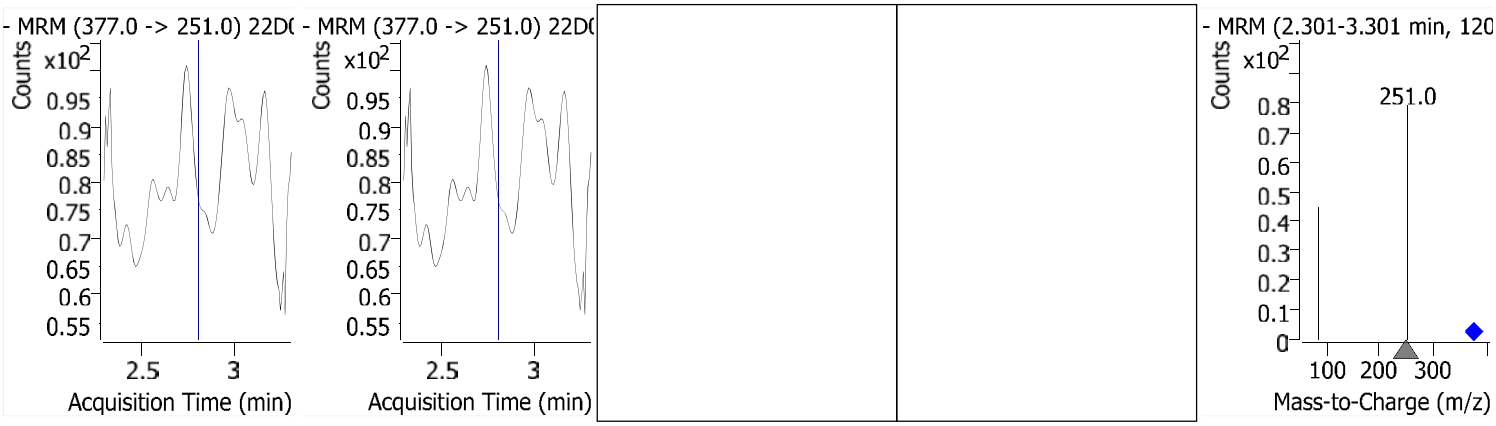
11Cl-PF3OUdS



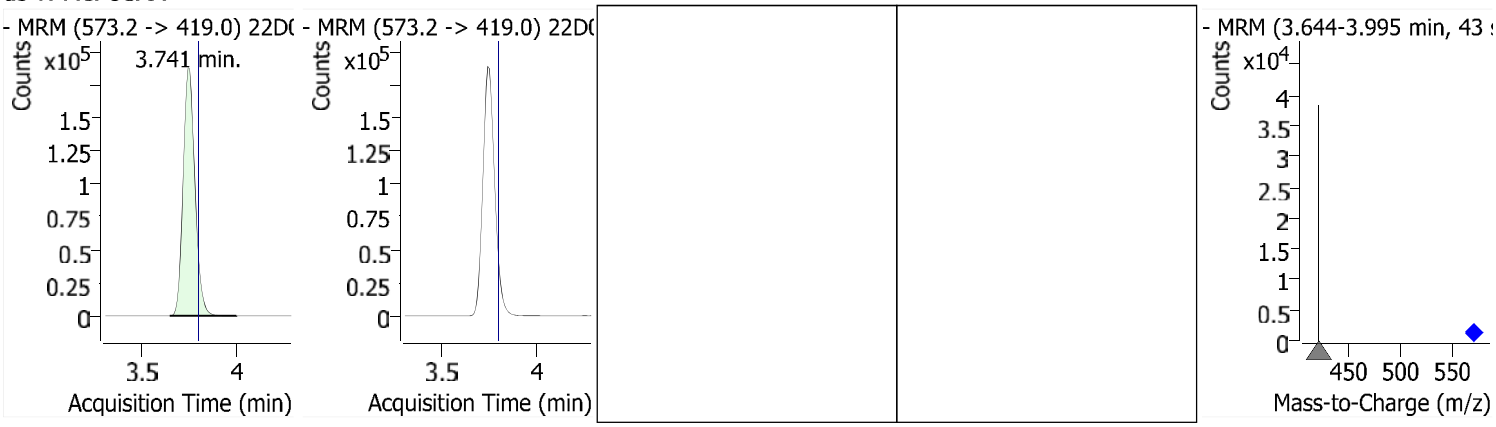
9Cl-PF3ONS



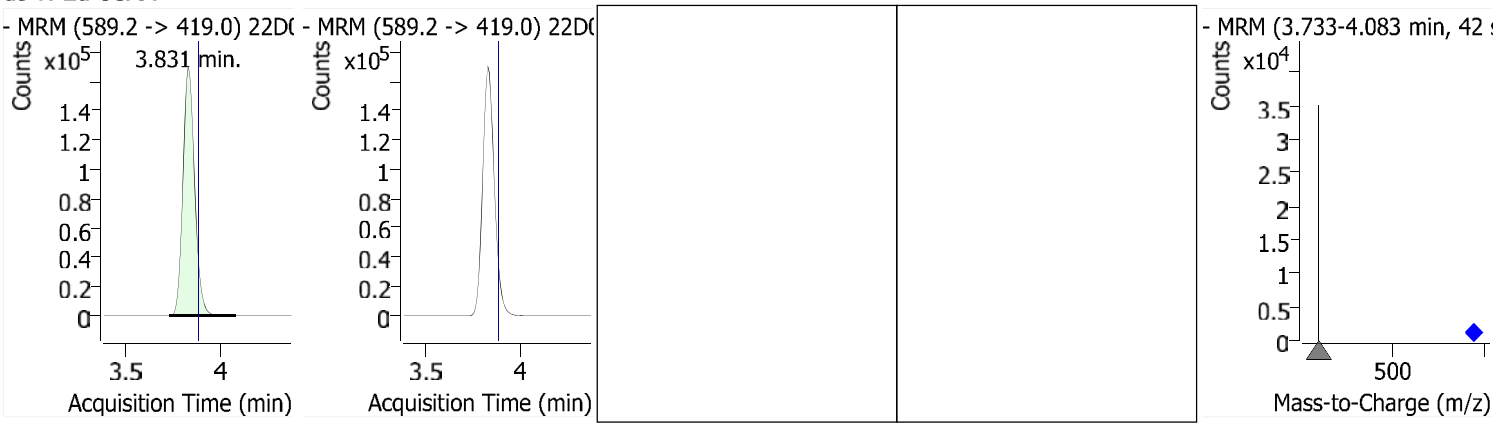
ADONA



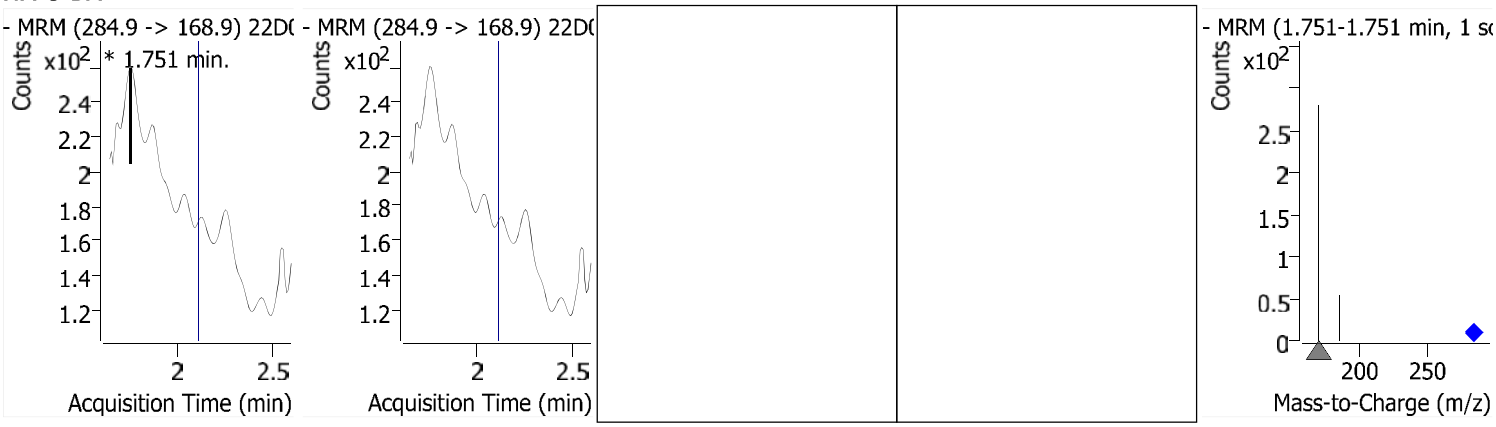
d3-N-MeFOSAA



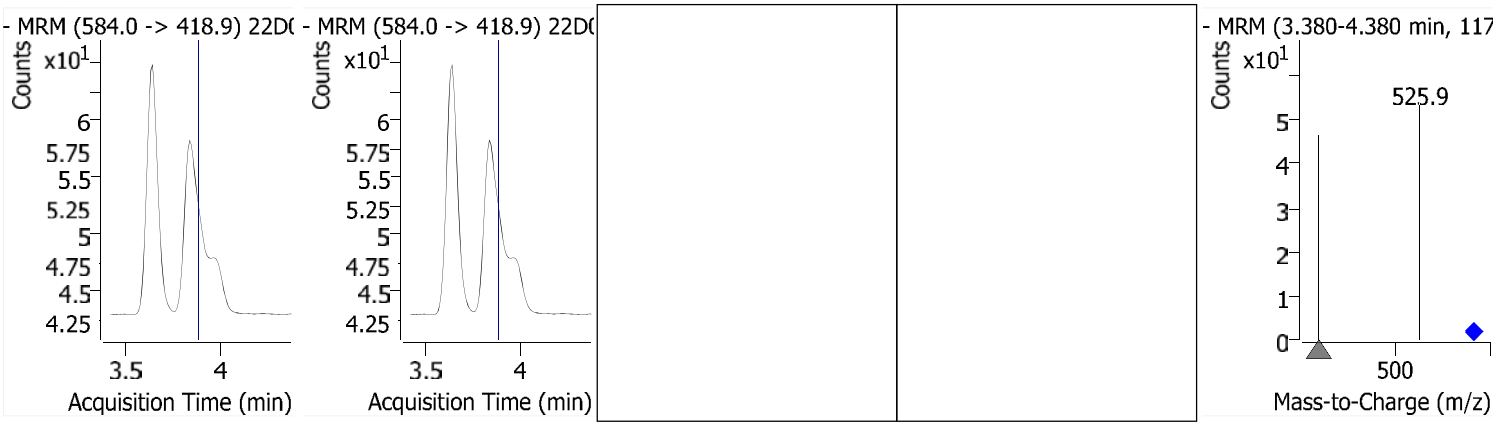
d5-N-EtFOSAA



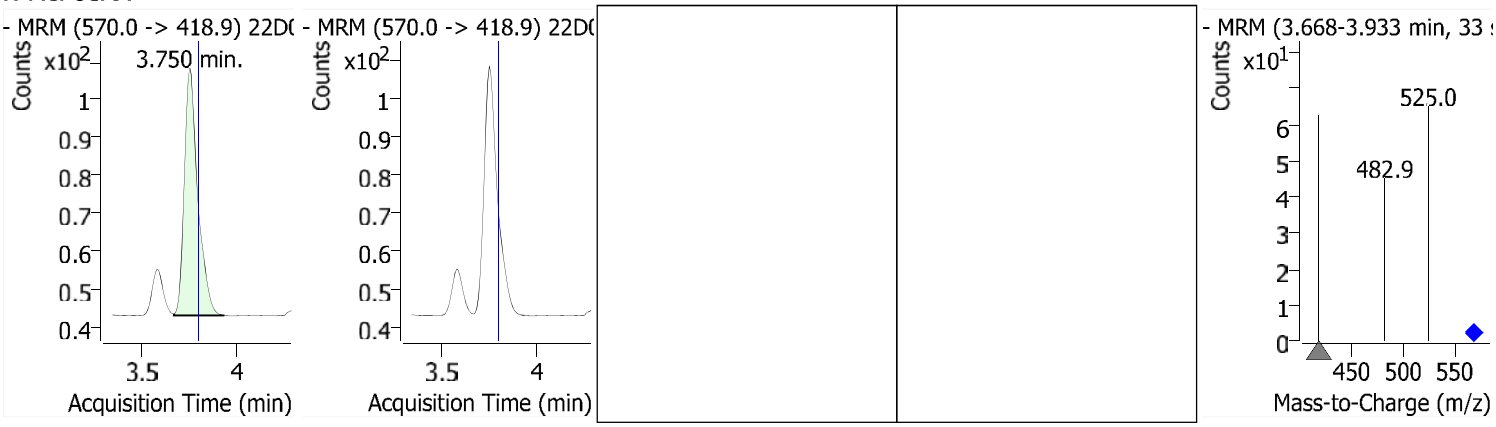
HFPO-DA



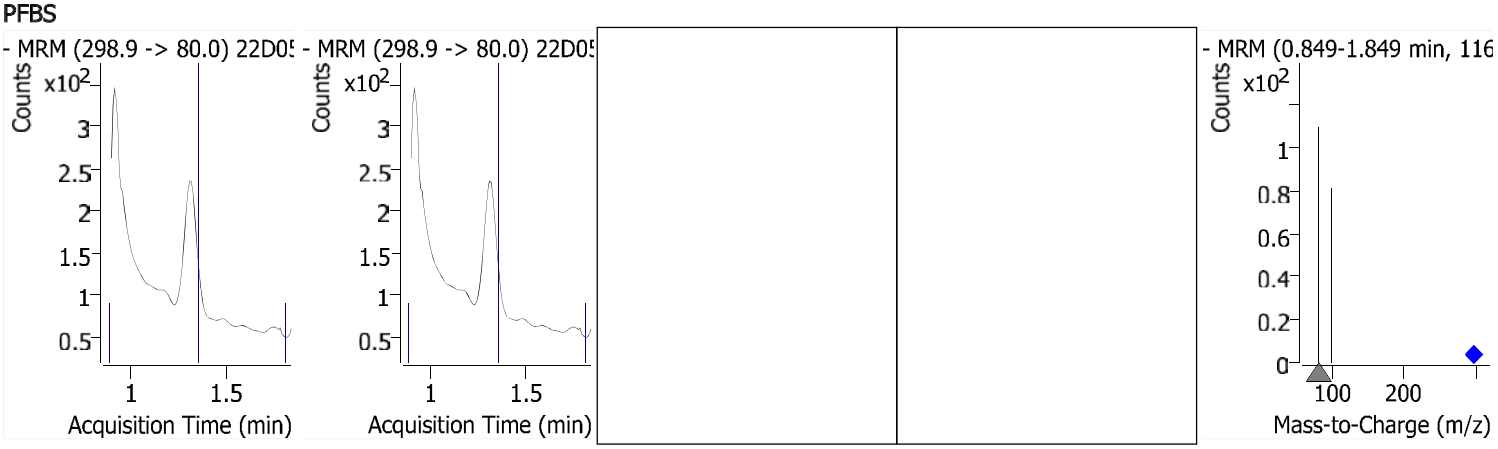
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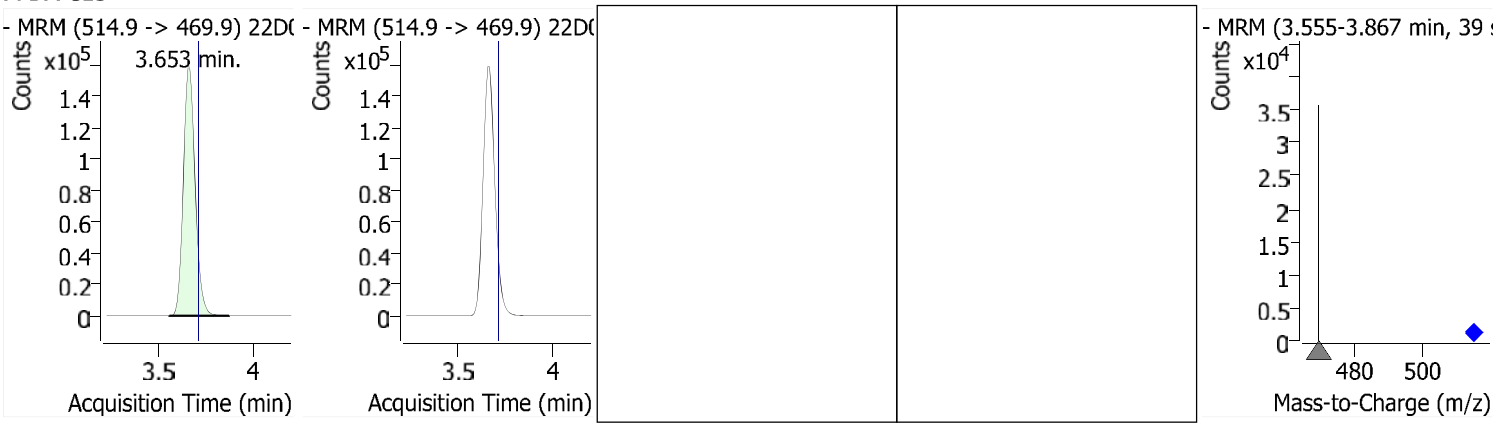
N-MeFOSAA



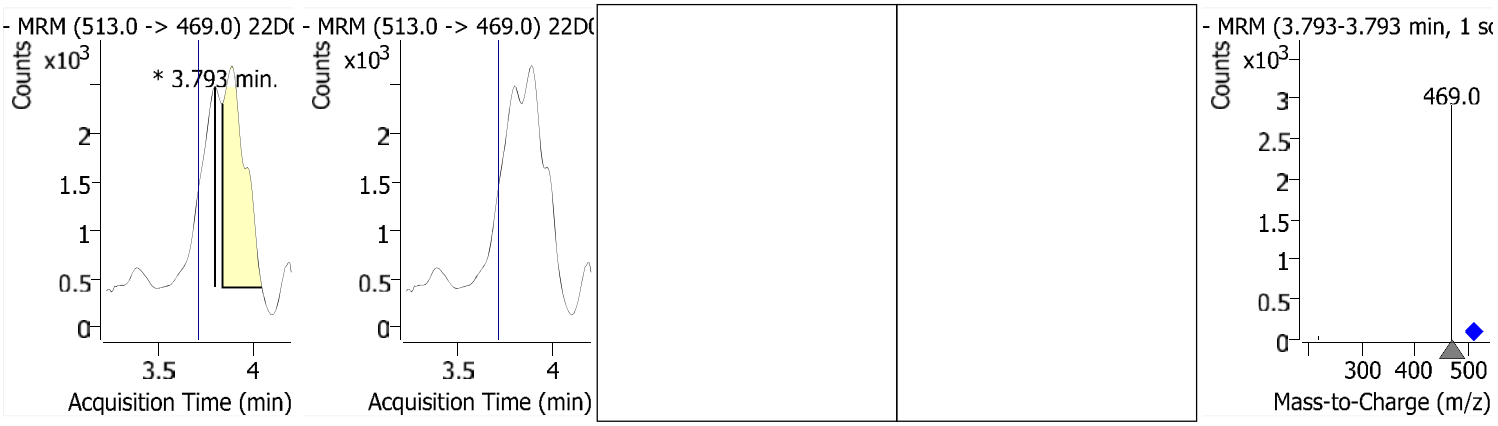
PFBS



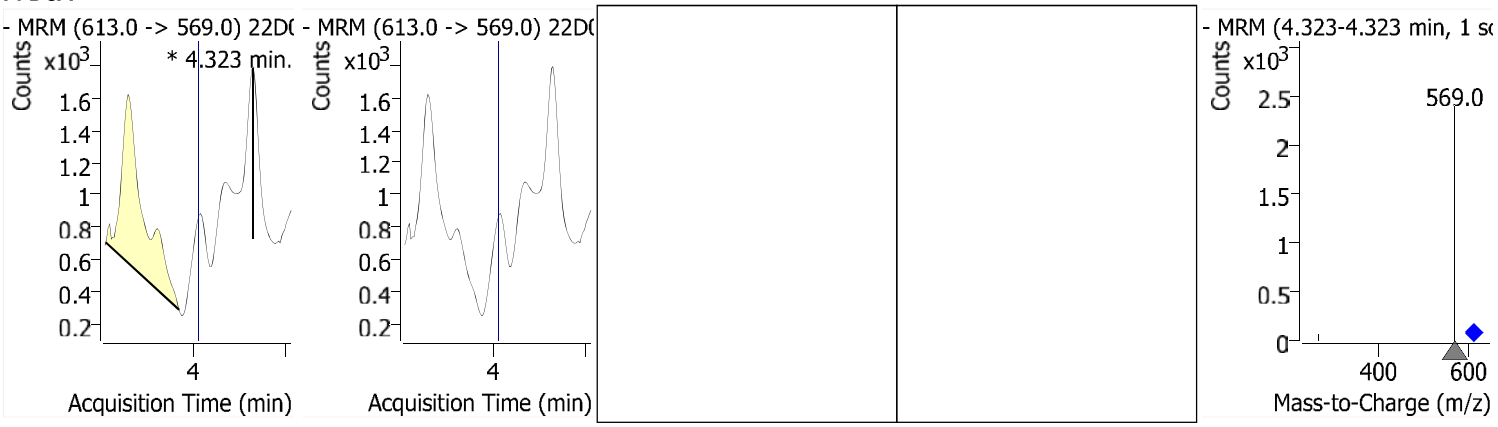
PFDA C13



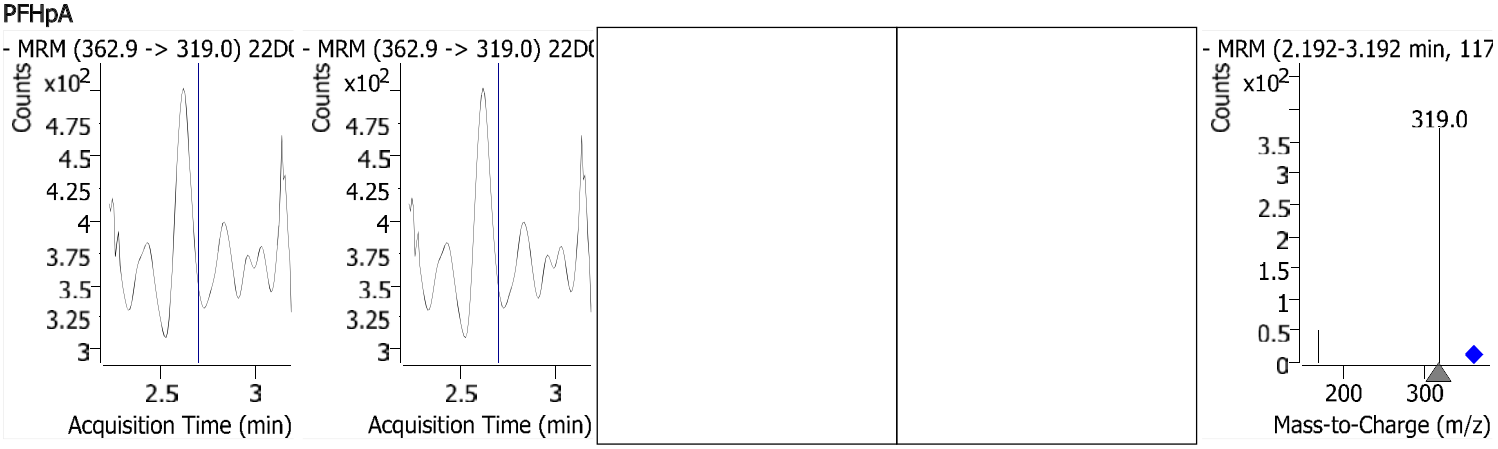
PFDA



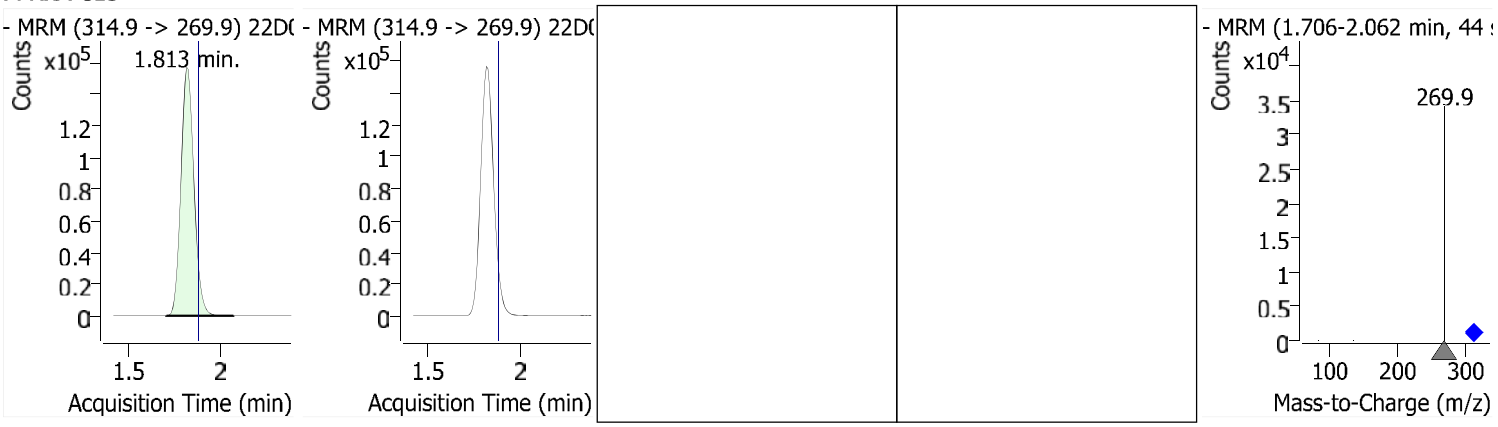
PFDoA



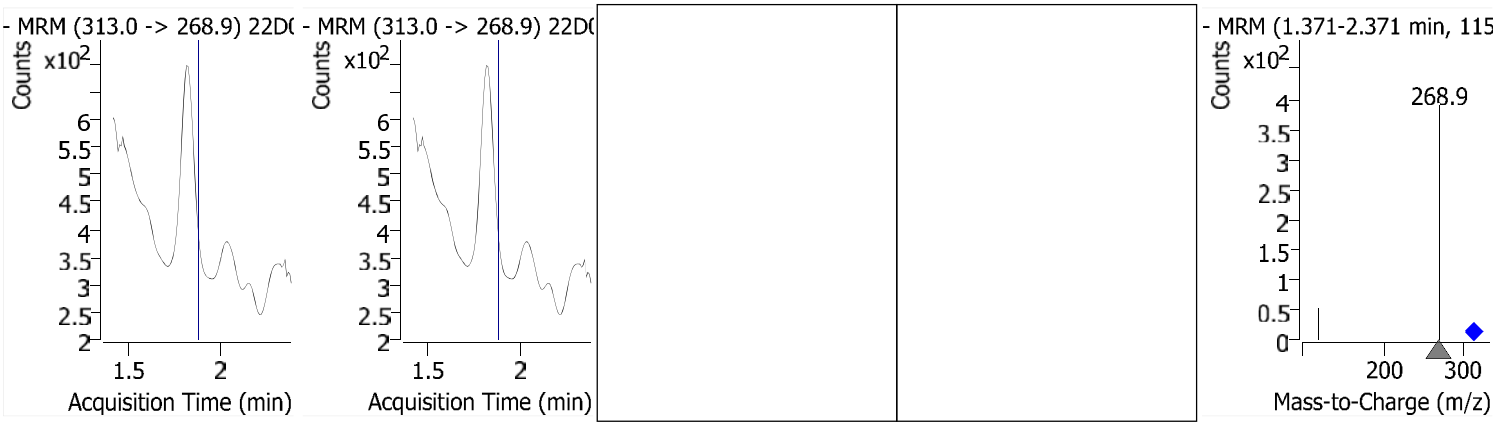
PFHpA



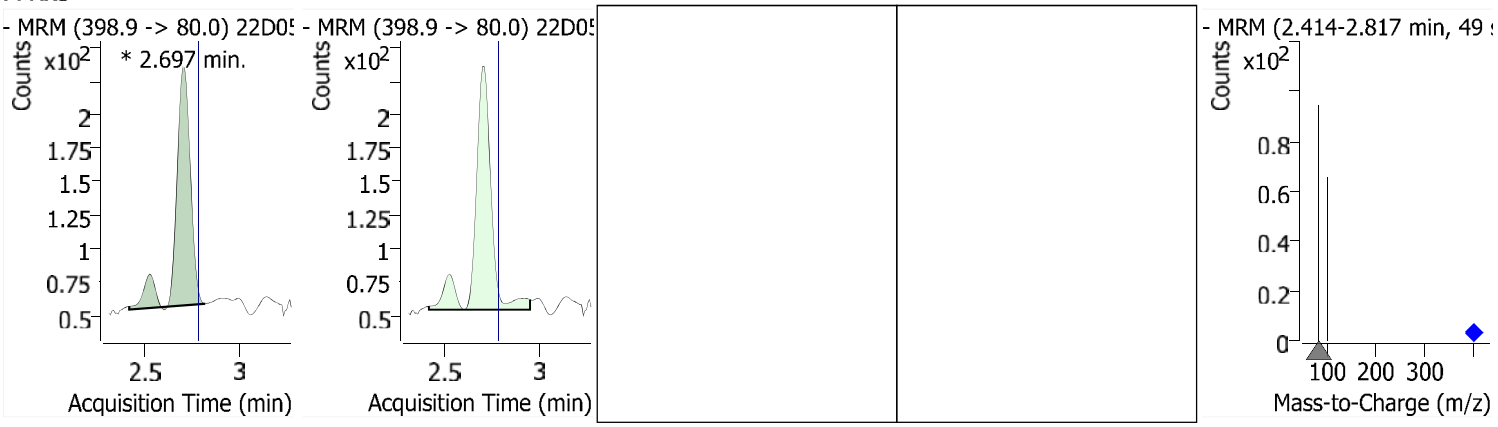
PFHxA C13



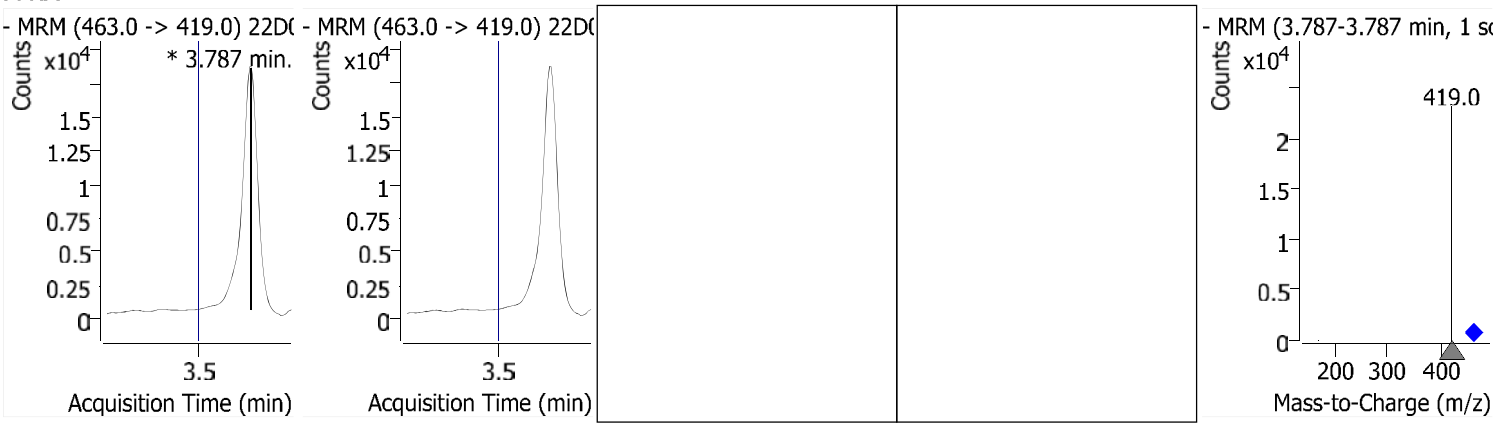
PFHxA



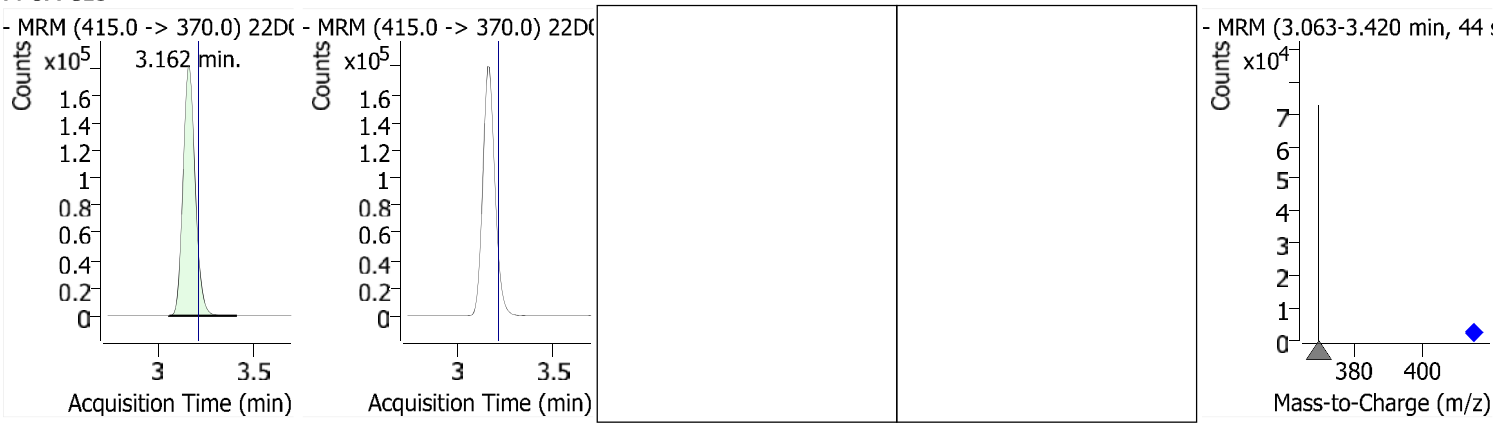
PFHxS



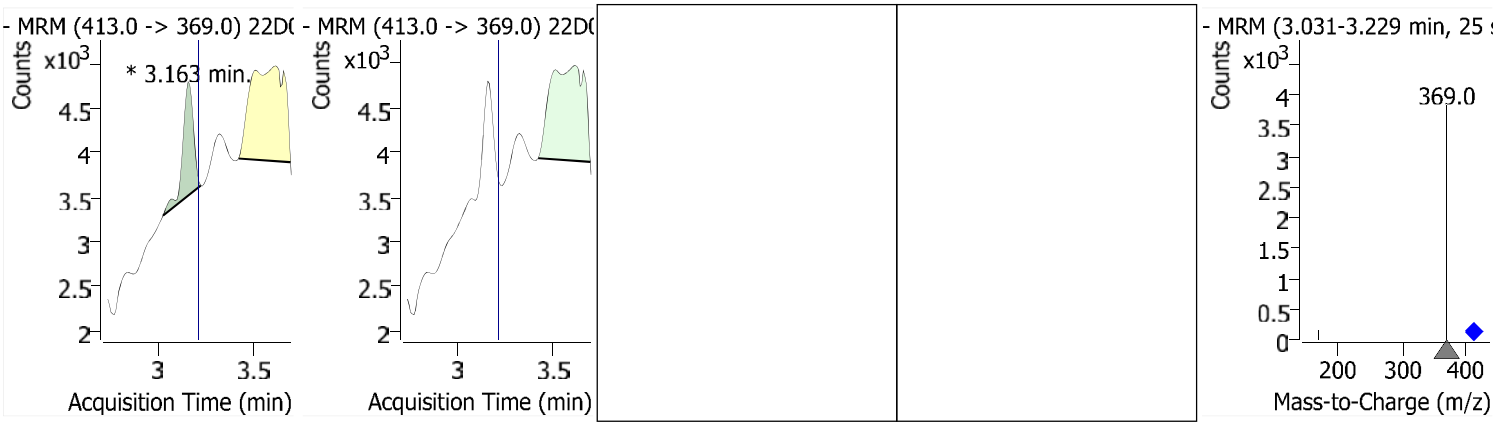
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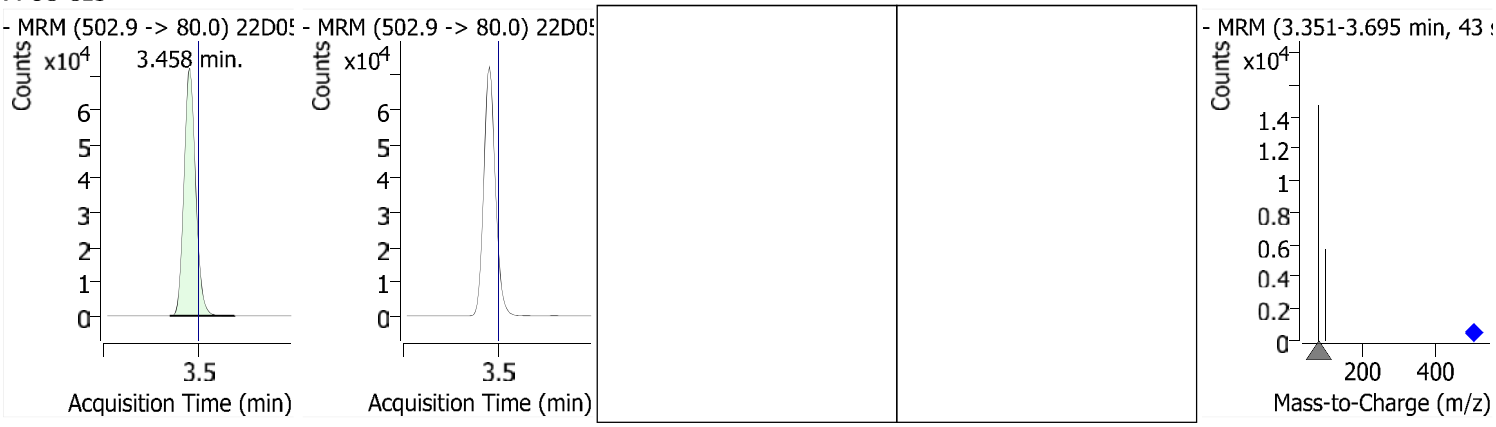
PFOA C13



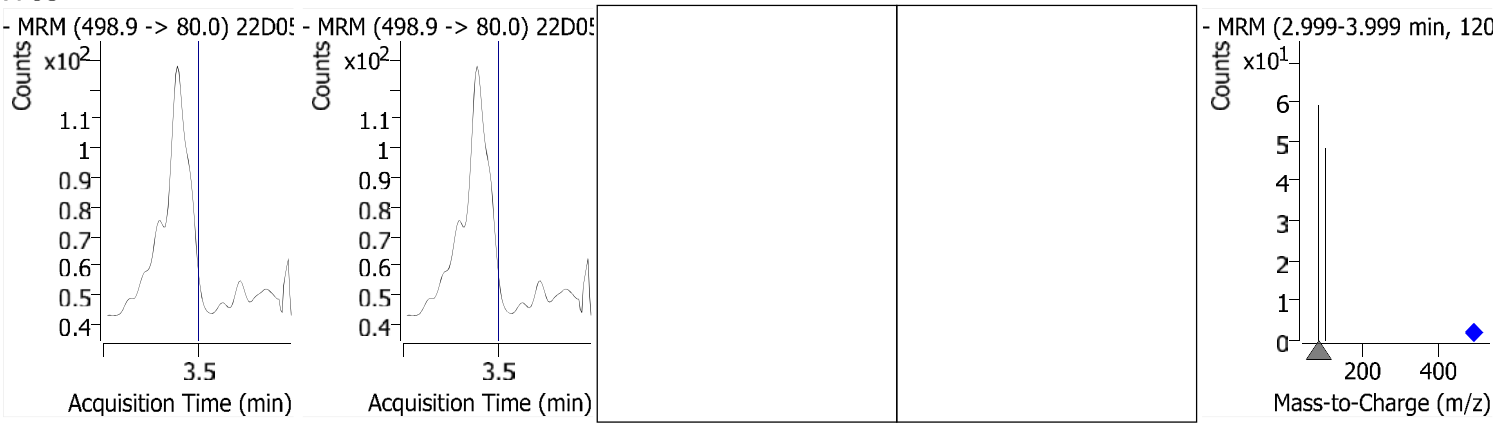
PFOA



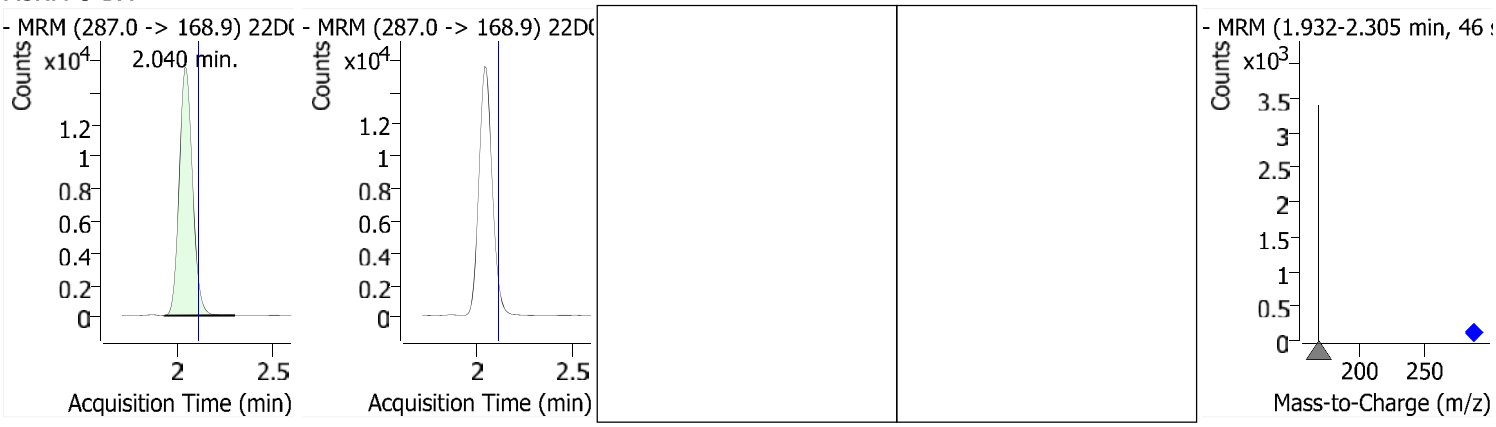
PFOS C13



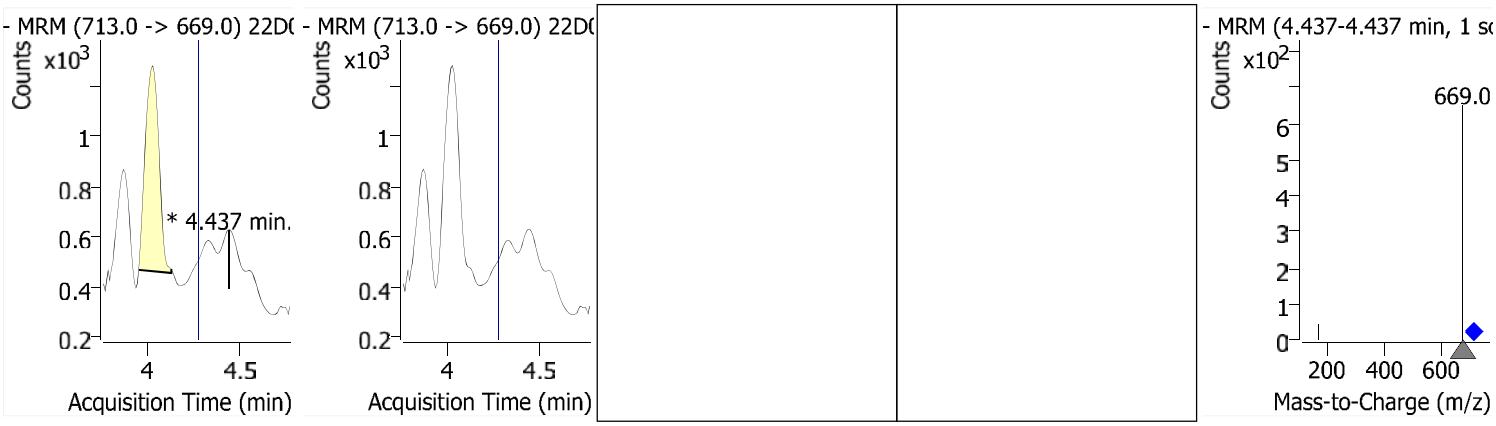
PFOS



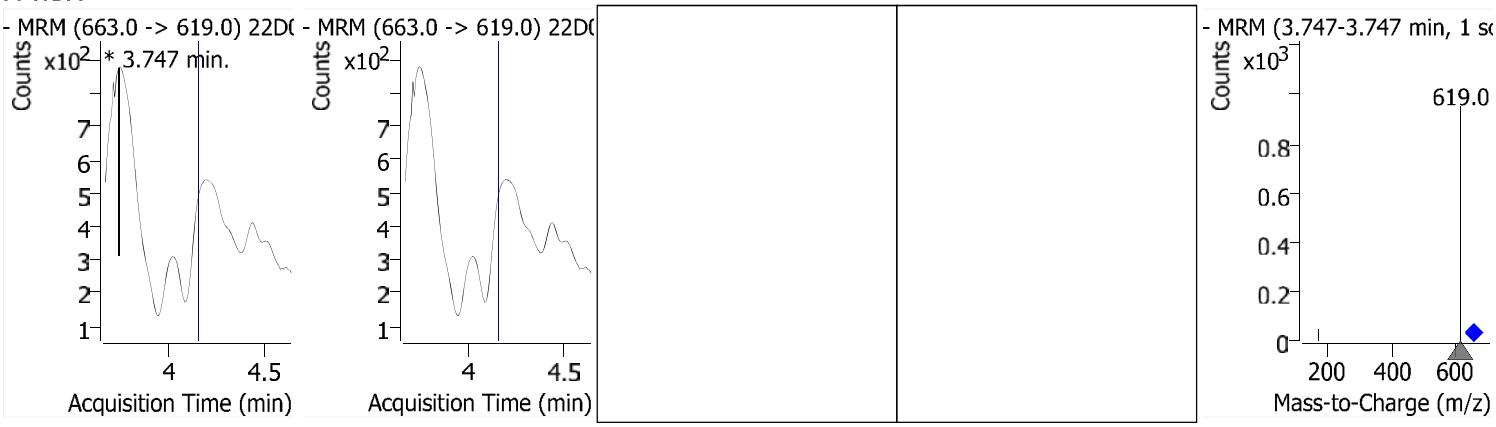
M3HFPO-DA



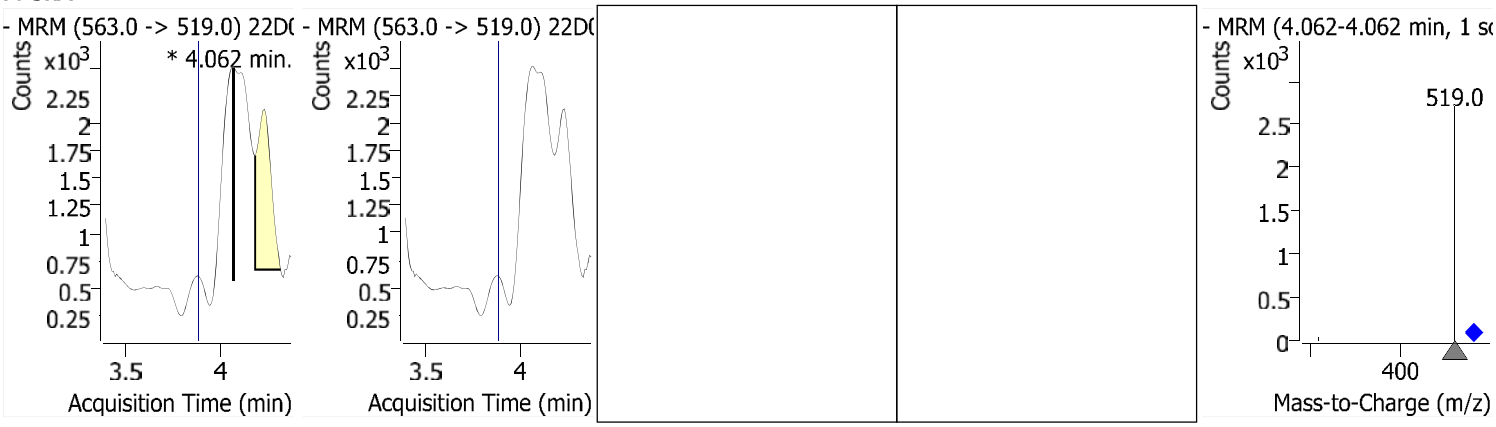
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.062 min.
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
3.5
4
Acquisition Time (min)
- MRM (4.062-4.062 min, 1 s(
Counts
x10^3
519.0
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

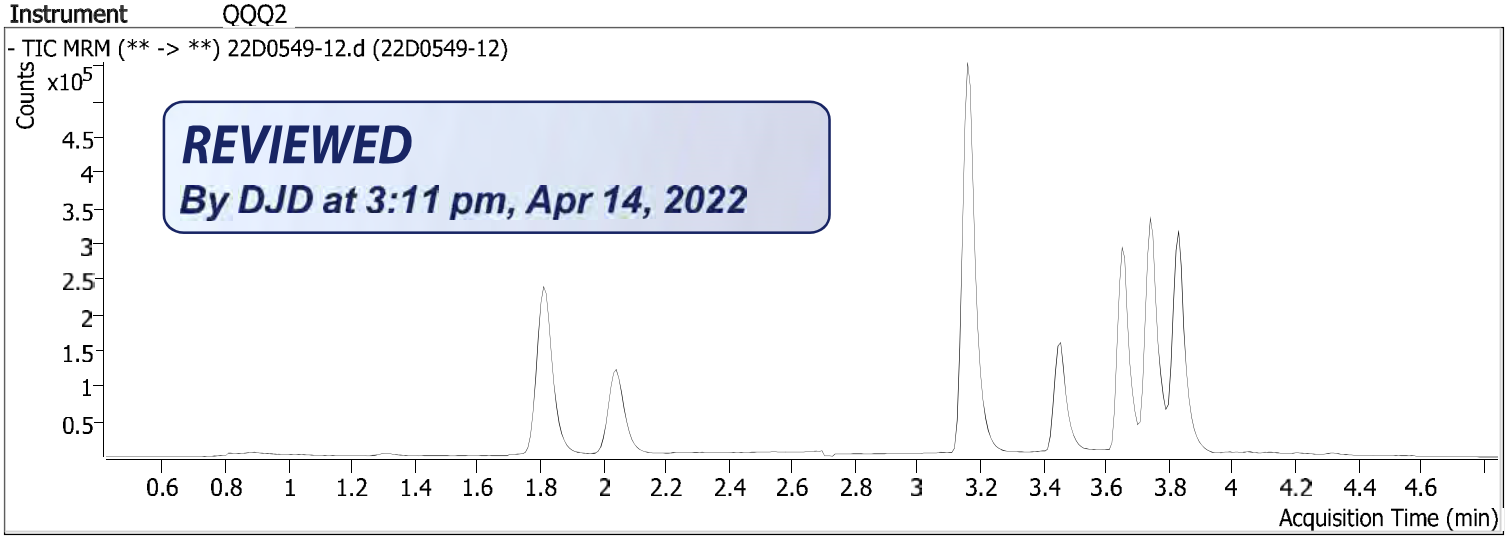
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-12	File ID:	22D0549-12.d
Sampled:	04/05/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:35
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	264.58 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
				Instrument:	QQQ2

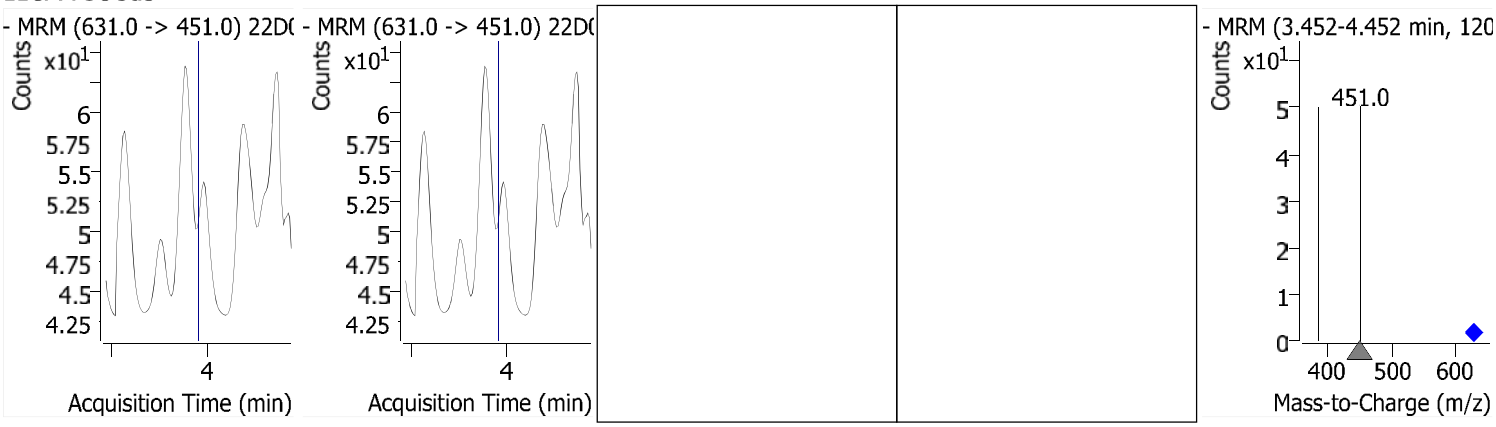
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.7	0.73	1.9	J
307-24-4	Perfluorohexanoic acid (PFHxA)		0.84	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.82	0.61	1.9	J
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.64	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.89	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.82	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.84	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.66	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.64	1.9	
2355-31-9	N-MeFOSAA		0.62	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.59	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.49	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.86	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:35 PM	Data File	22D0549-12.d
Sample Type	Sample	Sample Name	22D0549-12
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

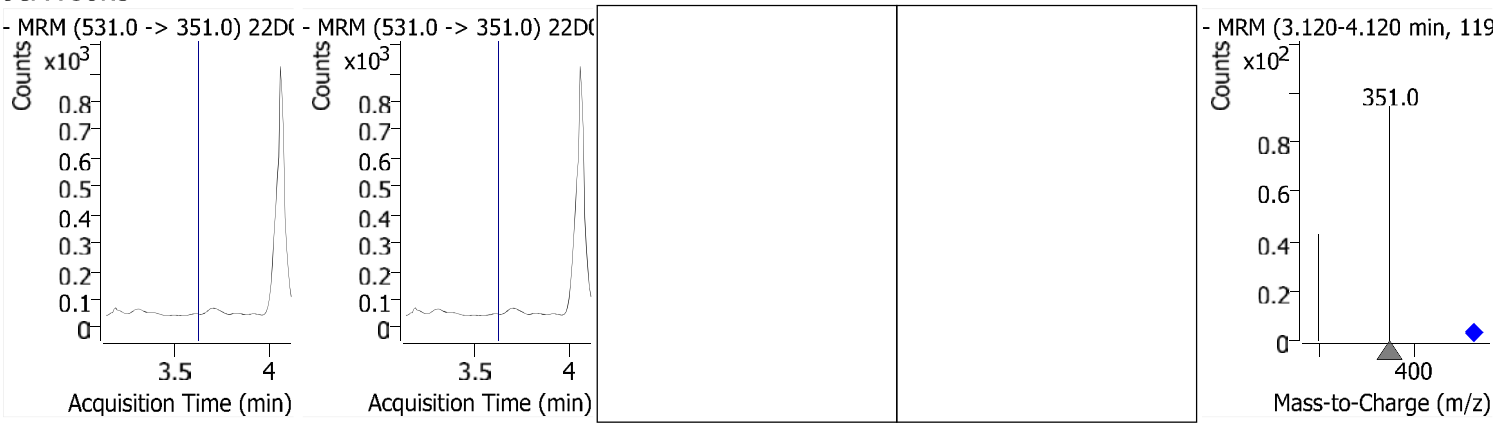


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	298679	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	298679	ND	pg/ml			
ADONA			PFOA C13	3.162	798058	ND	pg/ml			
d5-N-EtFOSAA	3.831	802890	d3-N-MeFOSAA	3.741	848617	40870.9764	pg/ml			
HFPO-DA	1.883	0	PFOA C13	3.162	798058	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	848617	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	848617	ND	pg/ml			
PFBS	1.308	8598	PFOS C13	3.458	298679	454.8318	pg/ml			
PFDA C13	3.653	745549	PFOA C13	3.162	798058	10836.3169	pg/ml			
PFDA	3.719	0	PFOA C13	3.162	798058	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	3.748	0	PFOA C13	3.162	798058	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	798058	ND	pg/ml			
PFHxA C13	1.813	826188	PFOA C13	3.162	798058	11313.7733	pg/ml			
PFHxA			PFOA C13	3.162	798058	ND	pg/ml			
PFHxS	2.708	2738	PFOS C13	3.458	298679	216.7643	pg/ml	✔	3	DRL 04/14/22
PFNA	3.787	0	PFOA C13	3.162	798058	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.171	11390	PFOA C13	3.162	798058	140.8753	pg/ml	✔	3	DRL 04/14/22
PFOS	3.450	1145	PFOS C13	3.458	298679	109.5732	pg/ml	✔	3	DRL 04/14/22
M3HFPO-DA	2.040	83556	PFOA C13	3.162	798058	11250.2236	pg/ml			
PFTA	4.017	0	PFOA C13	3.162	798058	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	798058	ND	pg/ml			
PFUnA	4.111	0	PFOA C13	3.162	798058	ND	pg/ml	✔	1	DRL 04/14/22

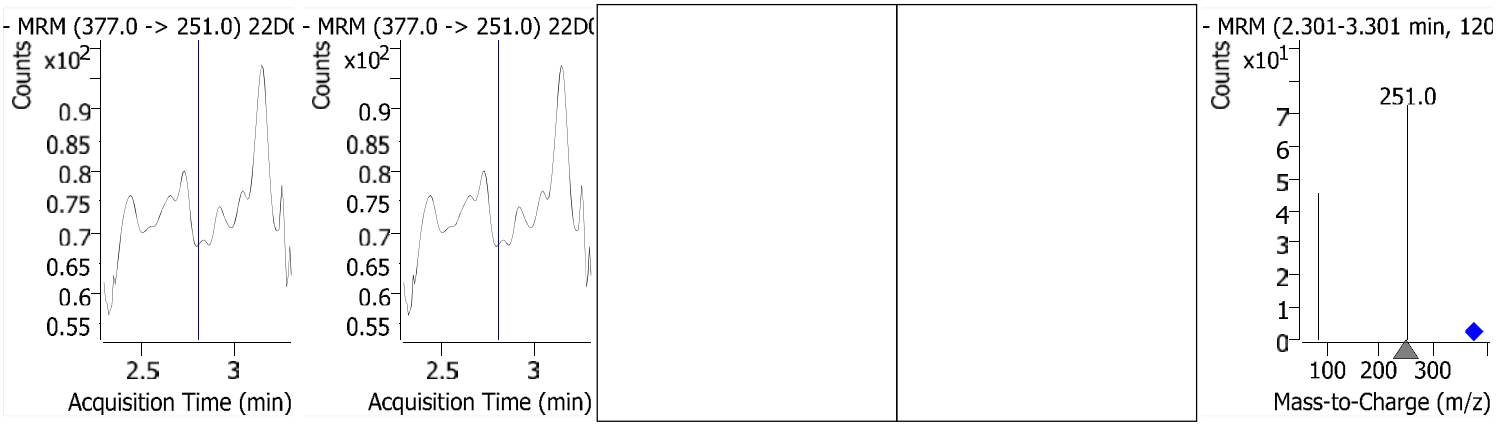
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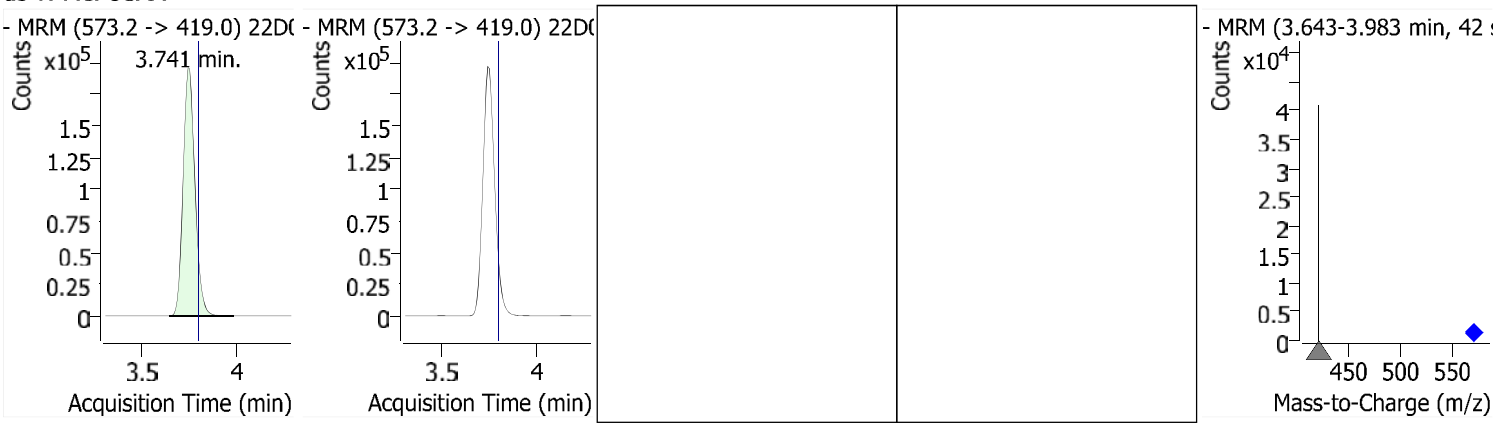
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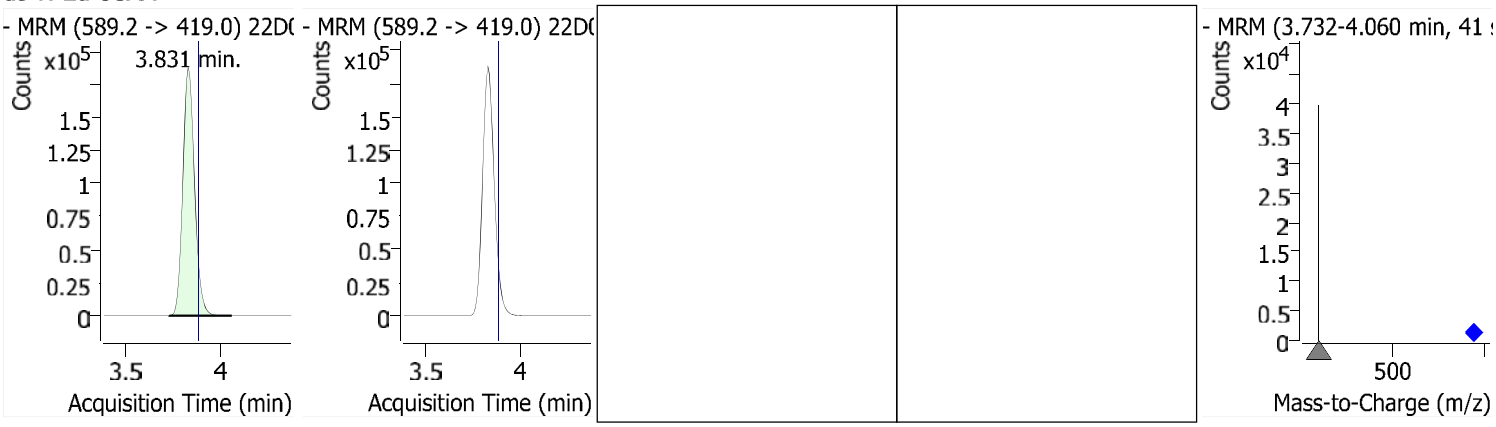
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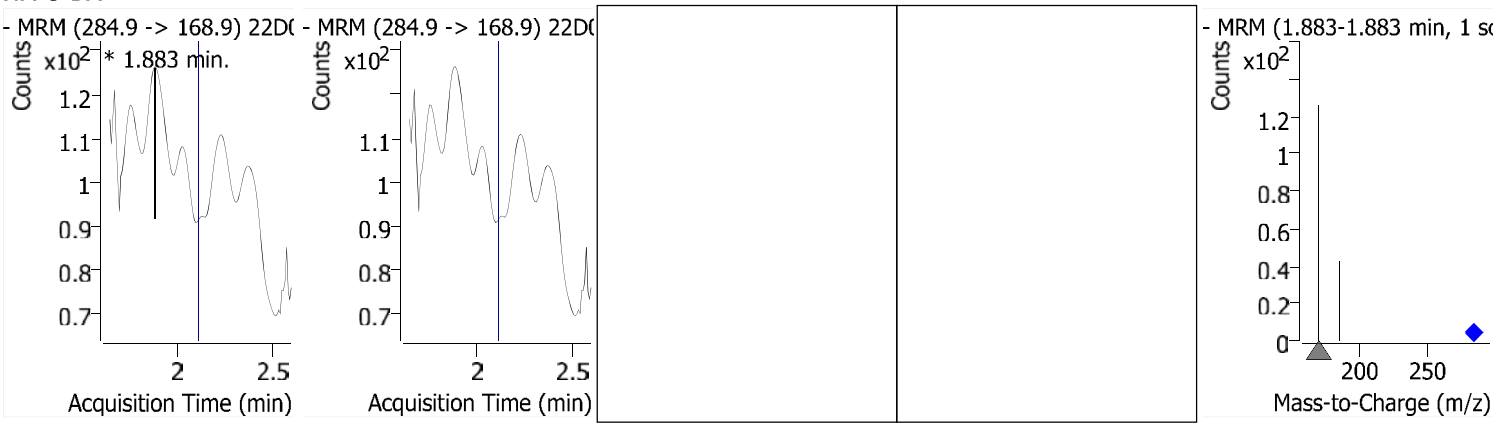
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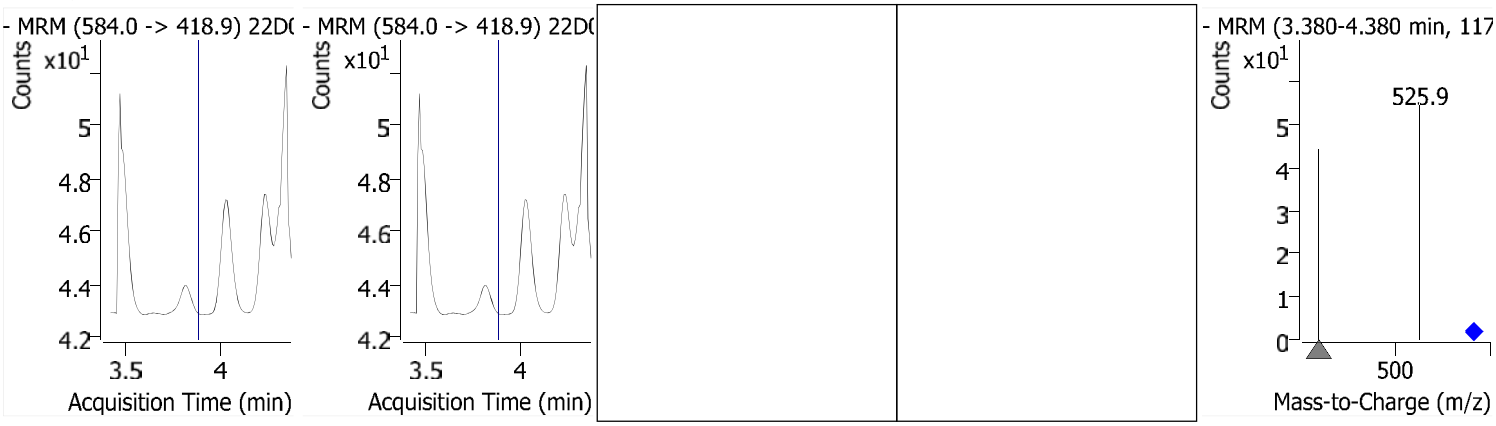
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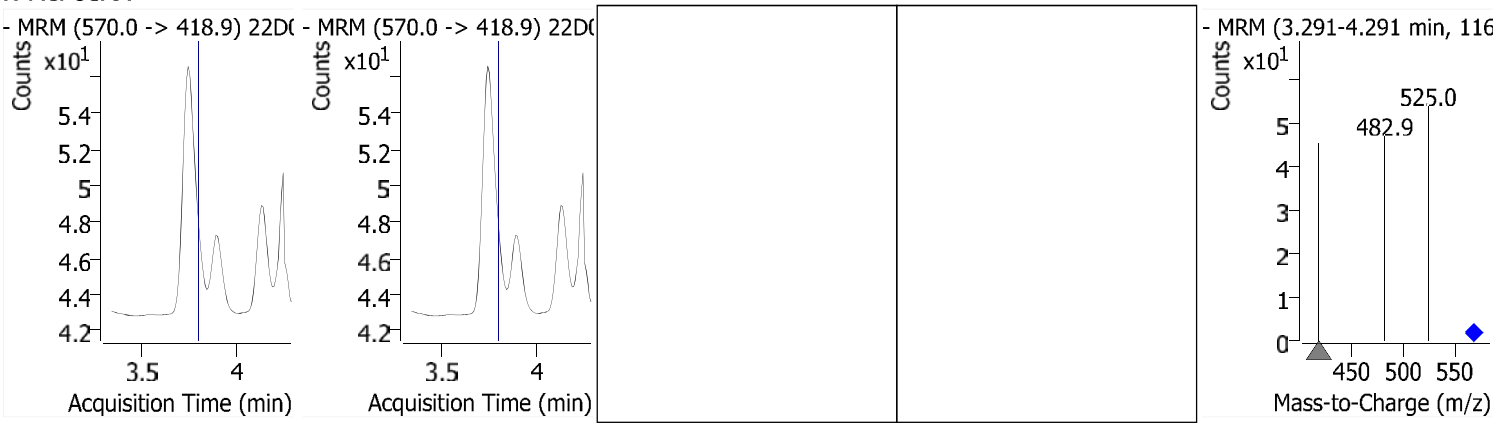
HFPO-DA



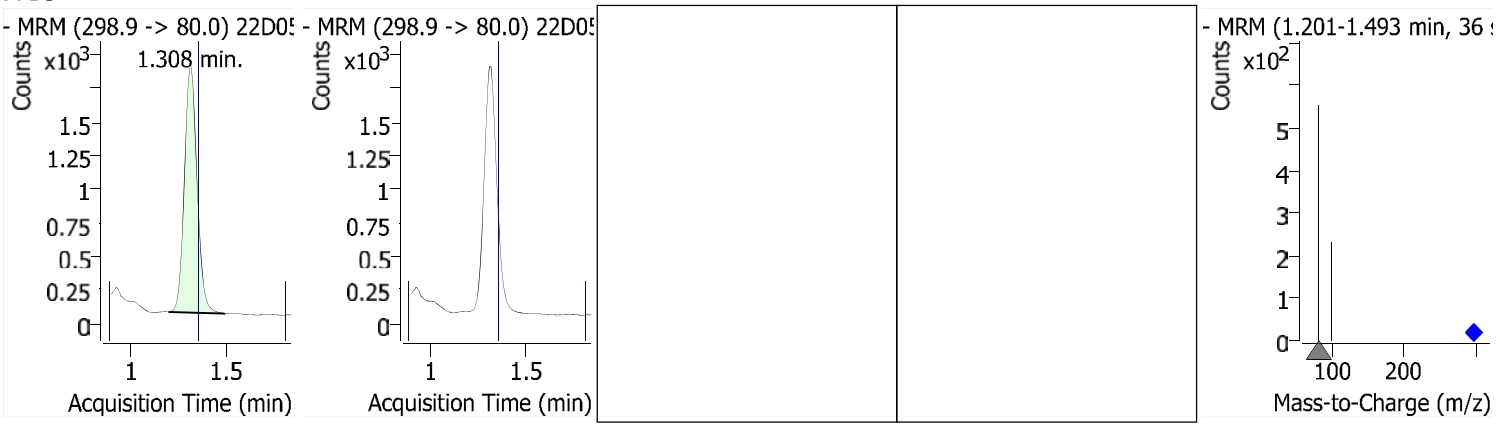
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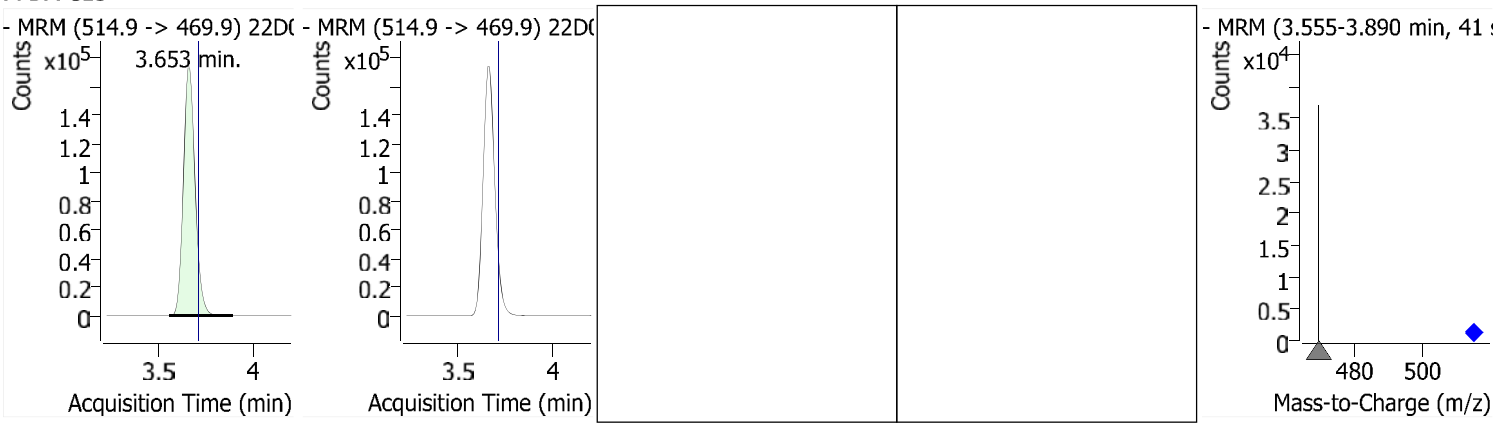
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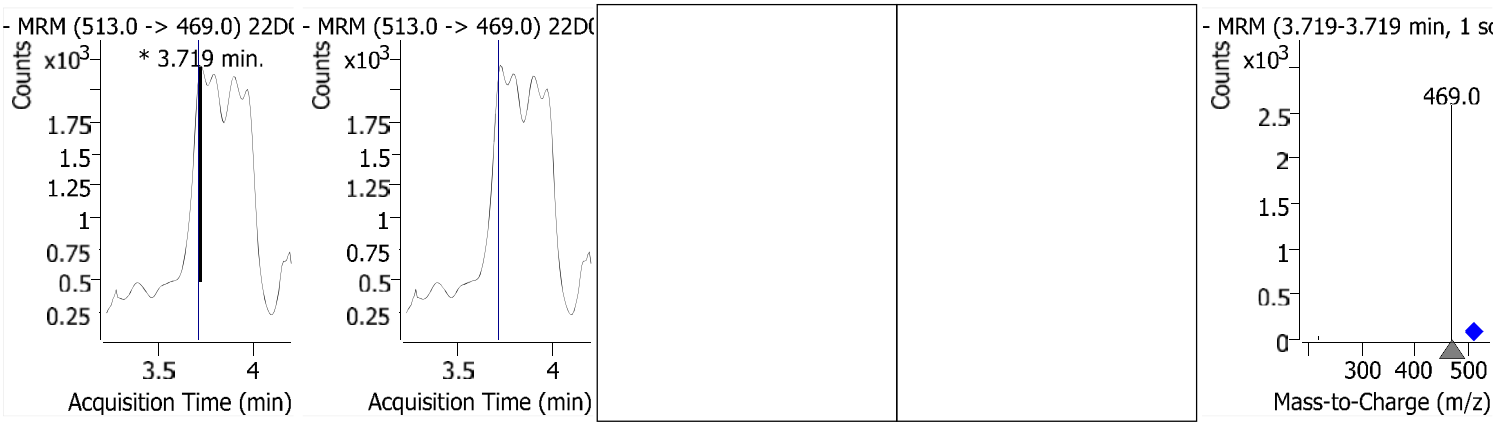
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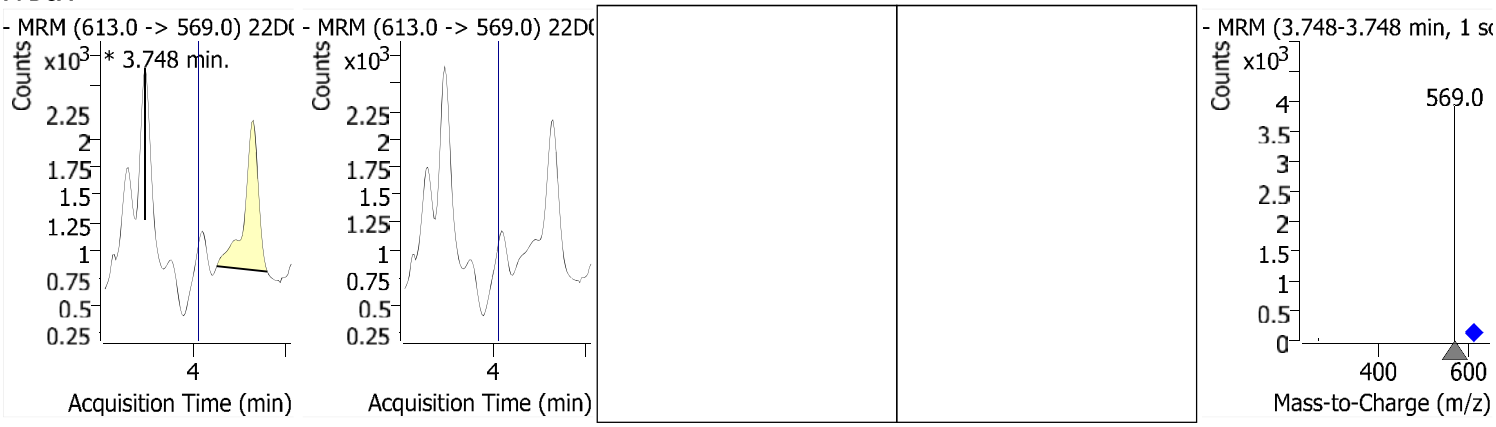
PFDA C13



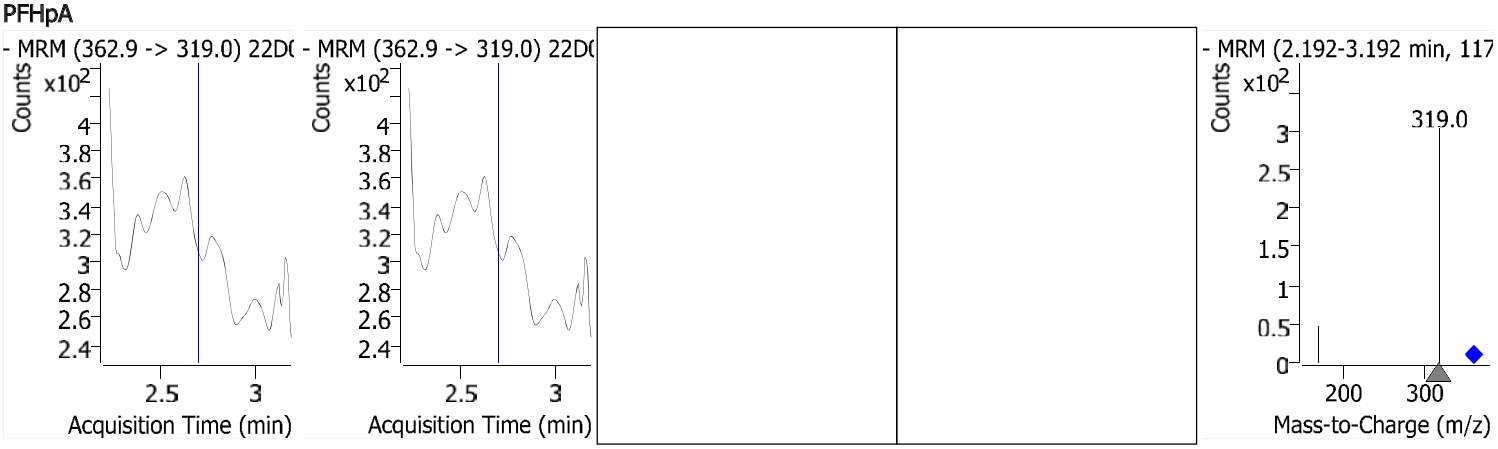
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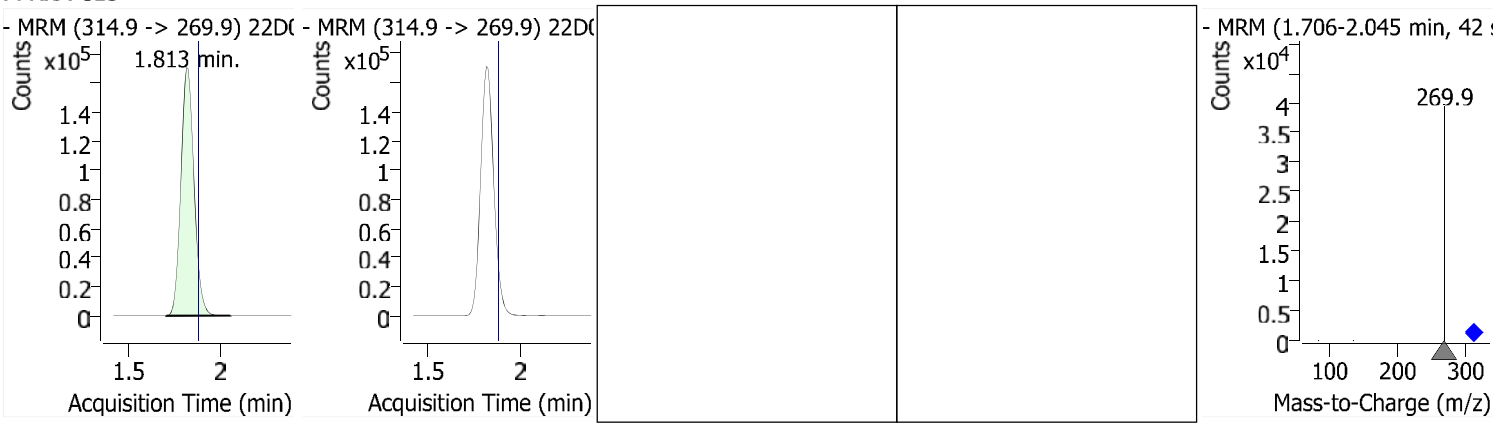
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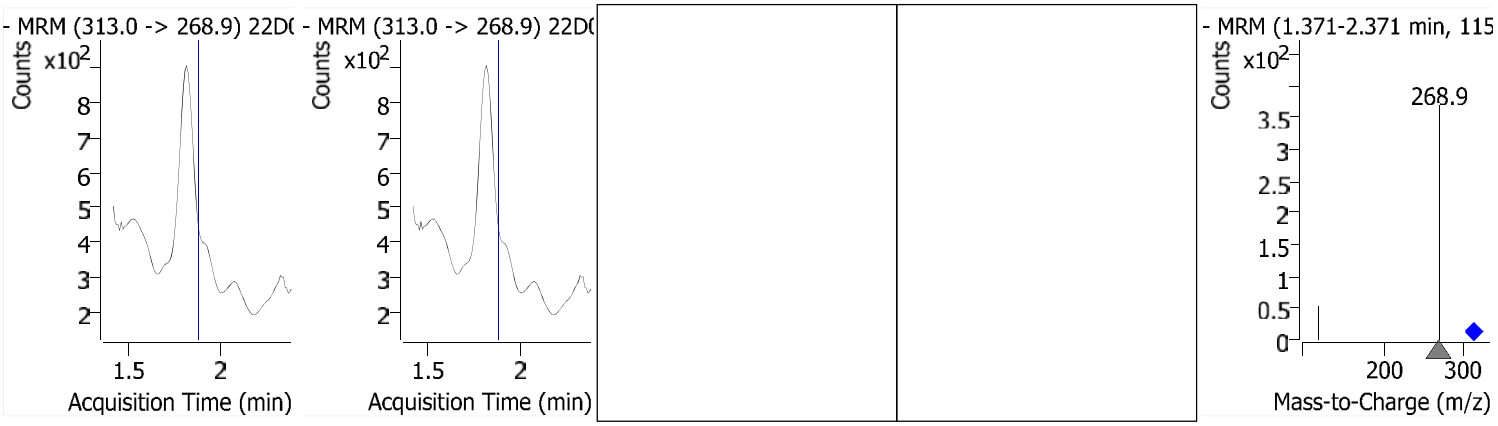
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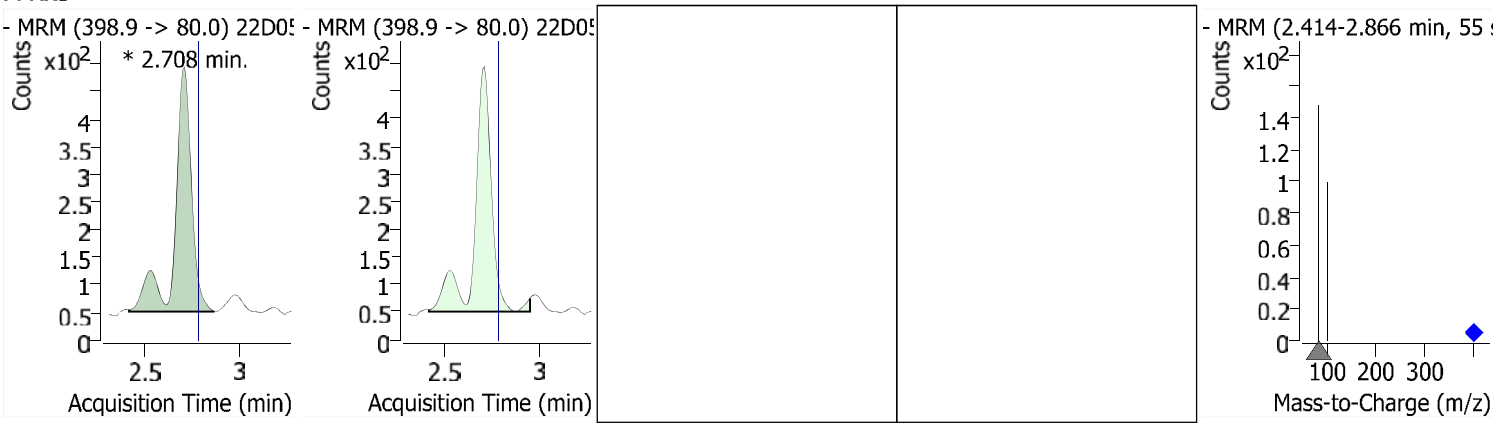
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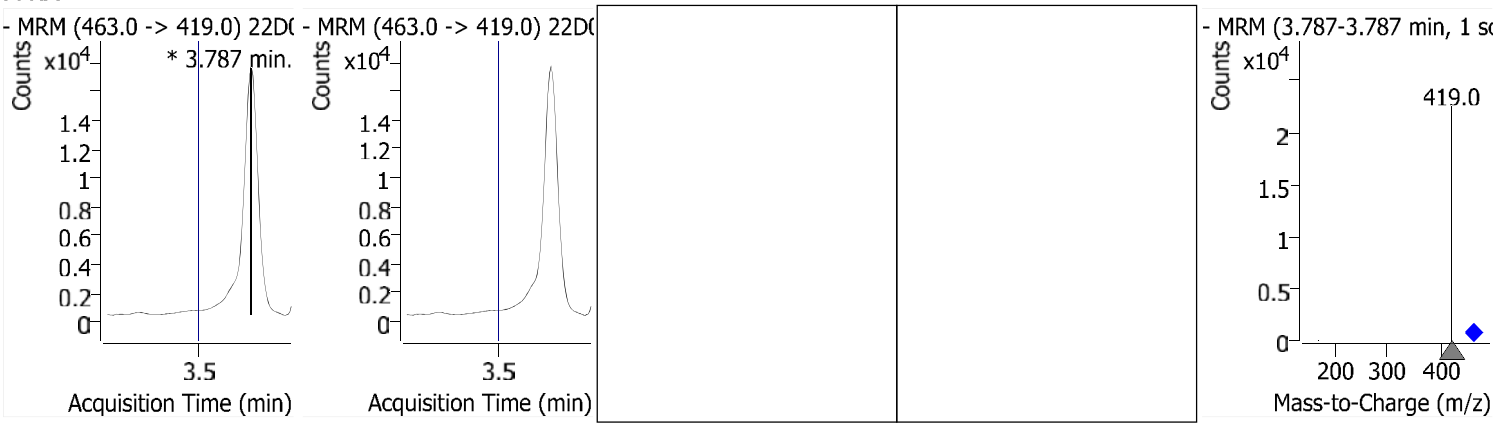
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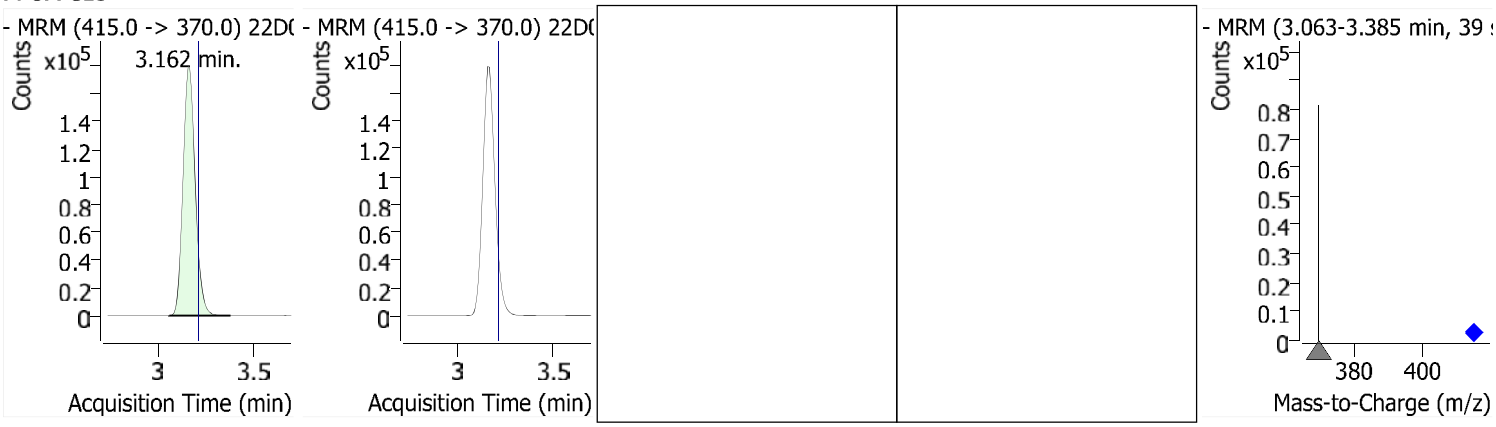
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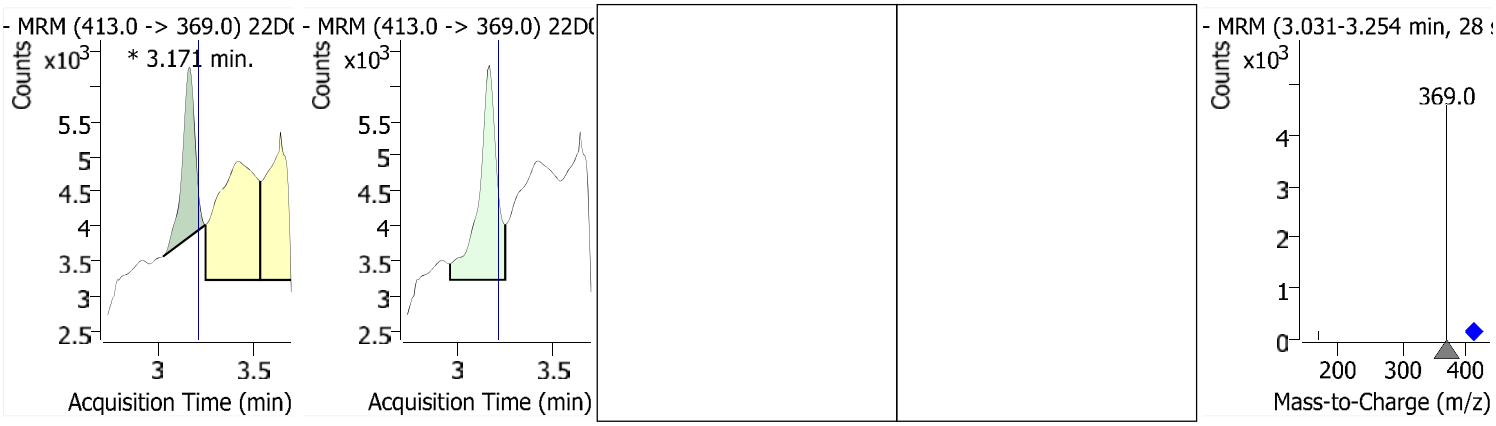
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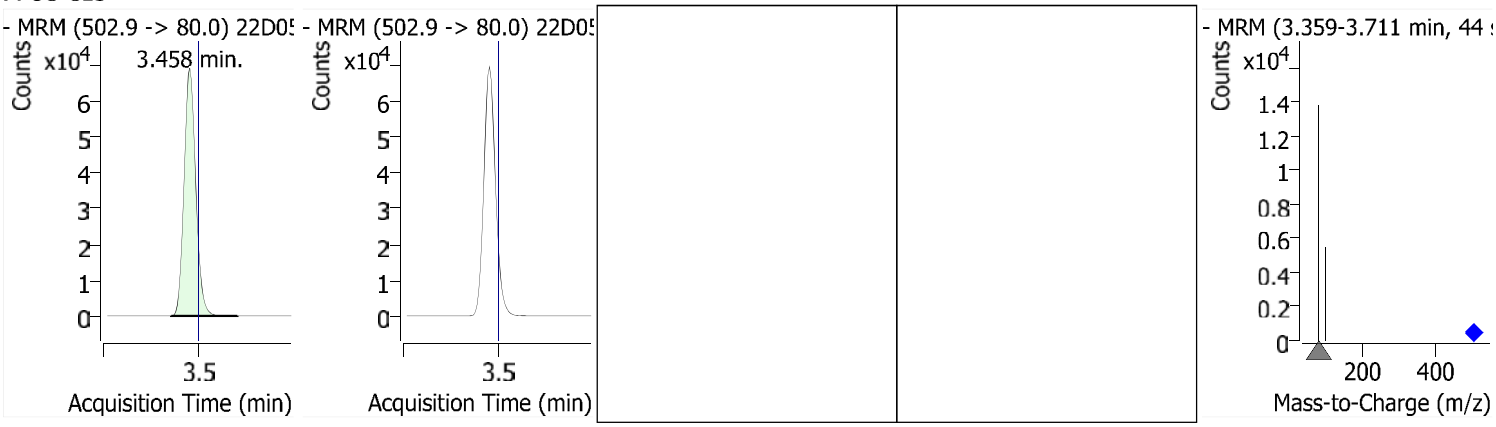
PFOA C13



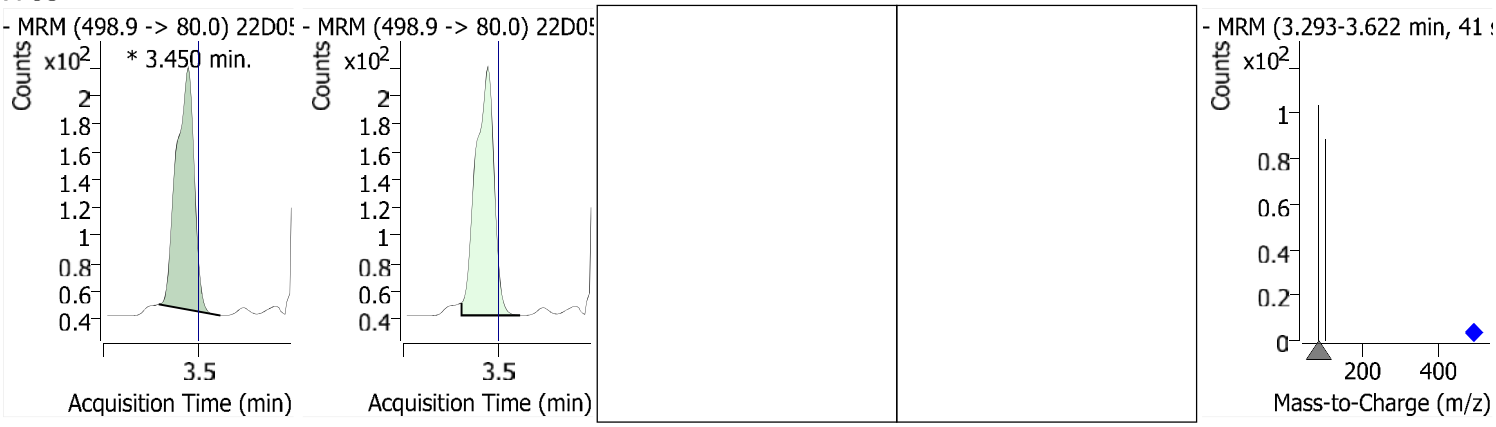
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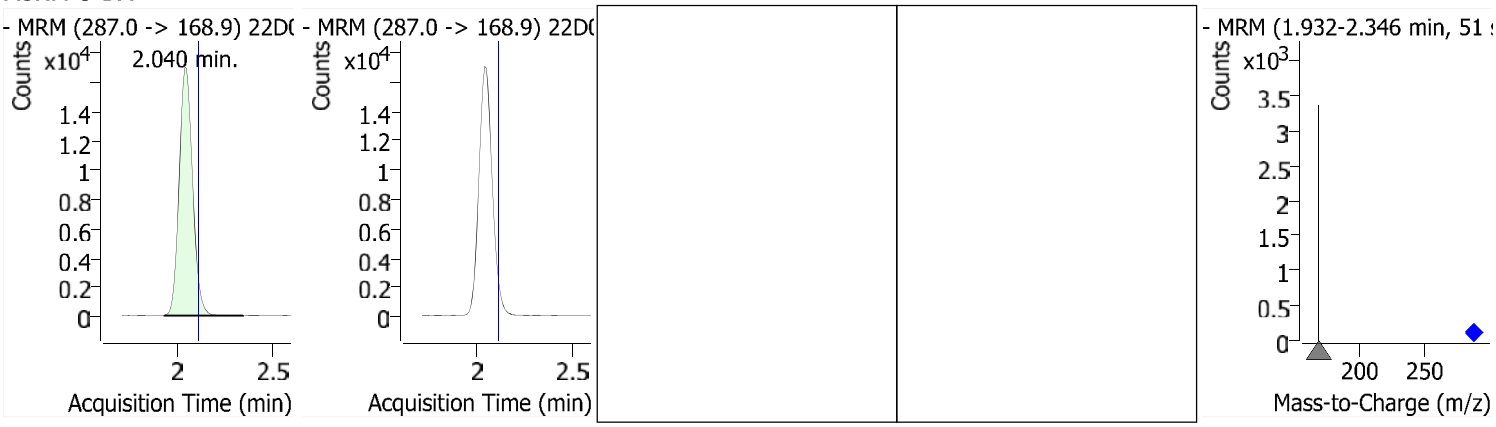
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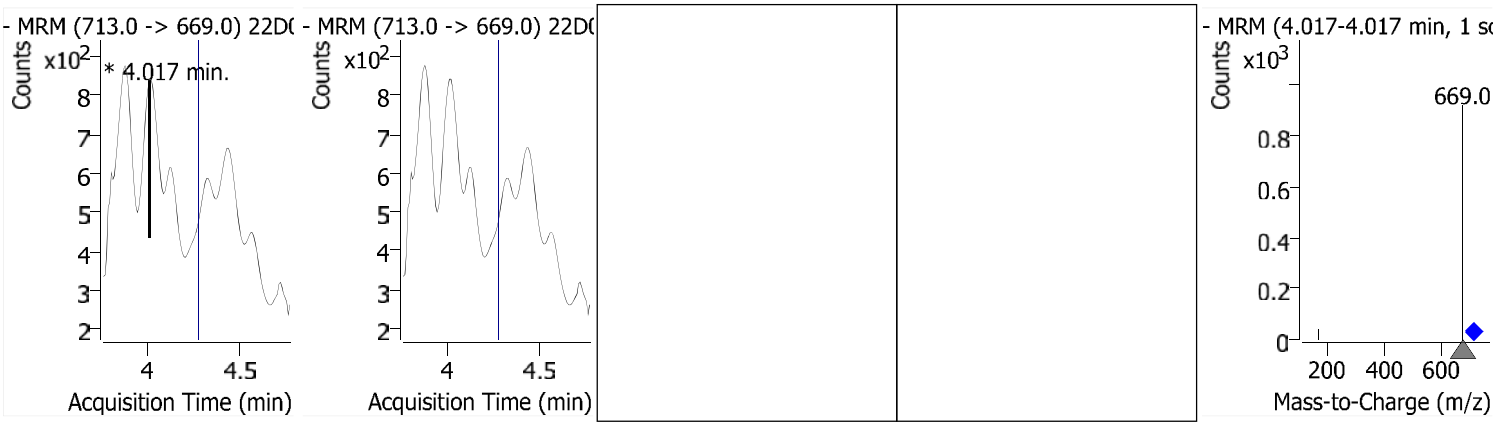
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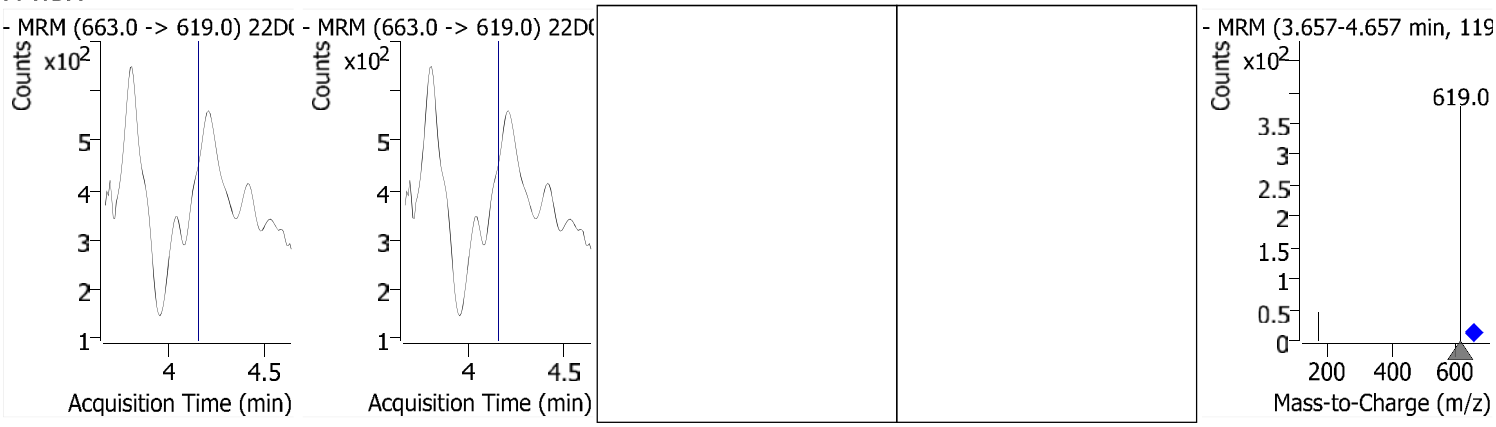
M3HFPO-DA



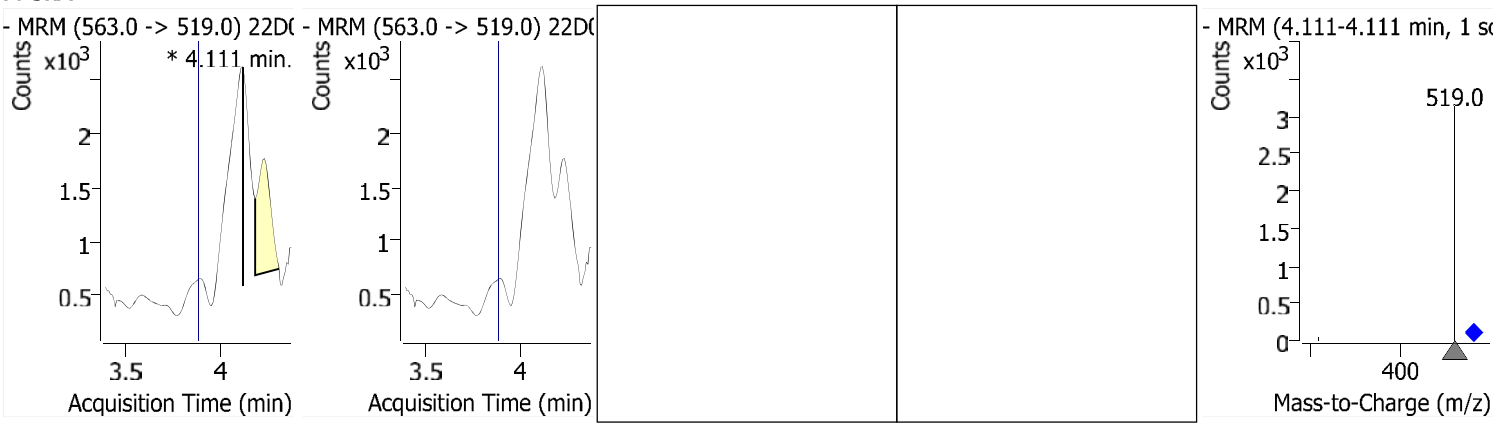
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.111 min.
2
1.5
1
0.5
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2
1.5
1
0.5
3.5
4
Acquisition Time (min)
- MRM (4.111-4.111 min, 1 s
Counts
x10^3
519.0
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

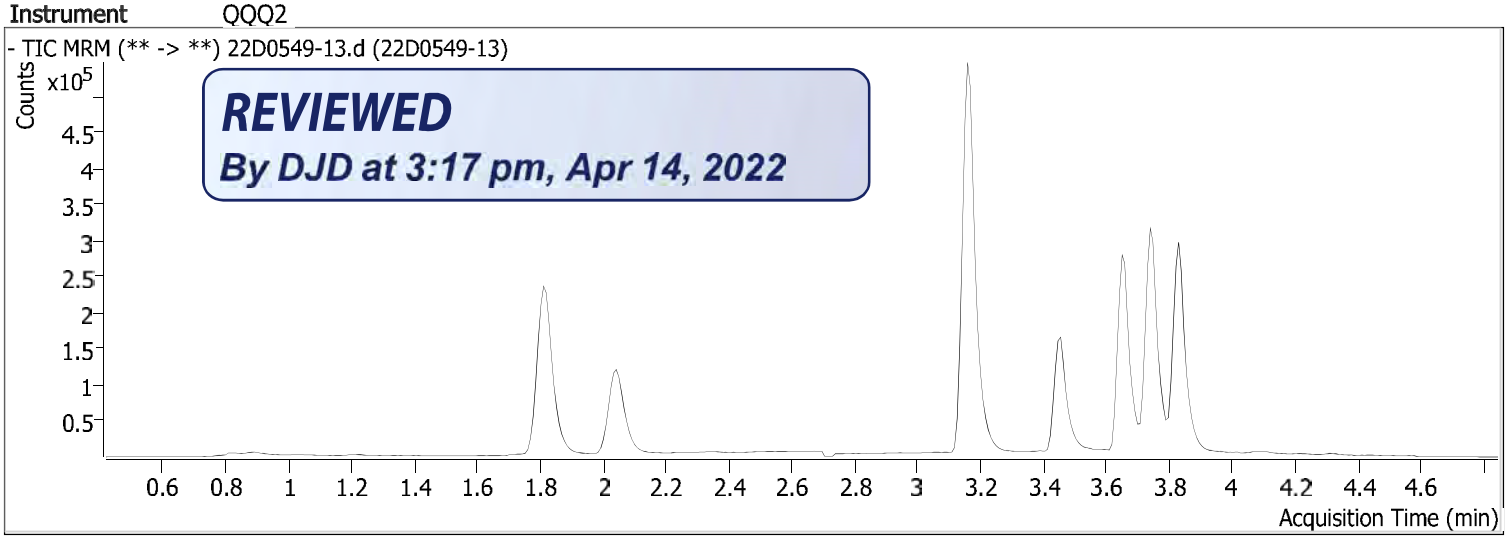
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-117I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-13	File ID:	22D0549-13.d
Sampled:	04/05/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:43
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	258.06 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

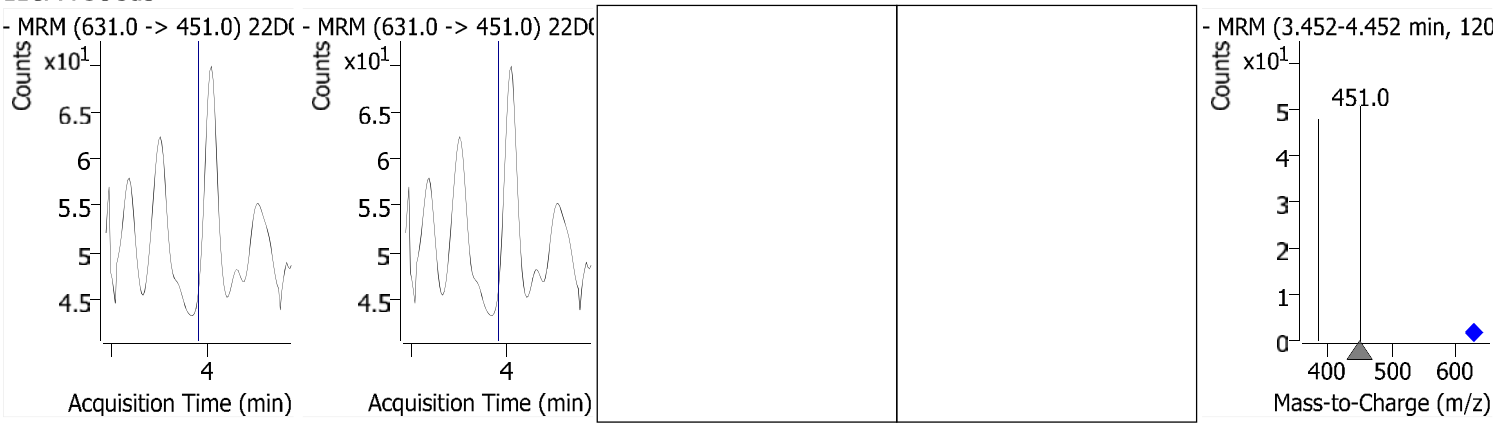
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.74	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.86	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.63	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.66	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.91	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.84	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.86	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.71	1.9	
2991-50-6	N-EtFOSAA		0.67	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.66	1.9	
2355-31-9	N-MeFOSAA		0.63	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.60	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.57	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.50	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.85	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.74	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.88	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.79	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:43 PM	Data File	22D0549-13.d
Sample Type	Sample	Sample Name	22D0549-13
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

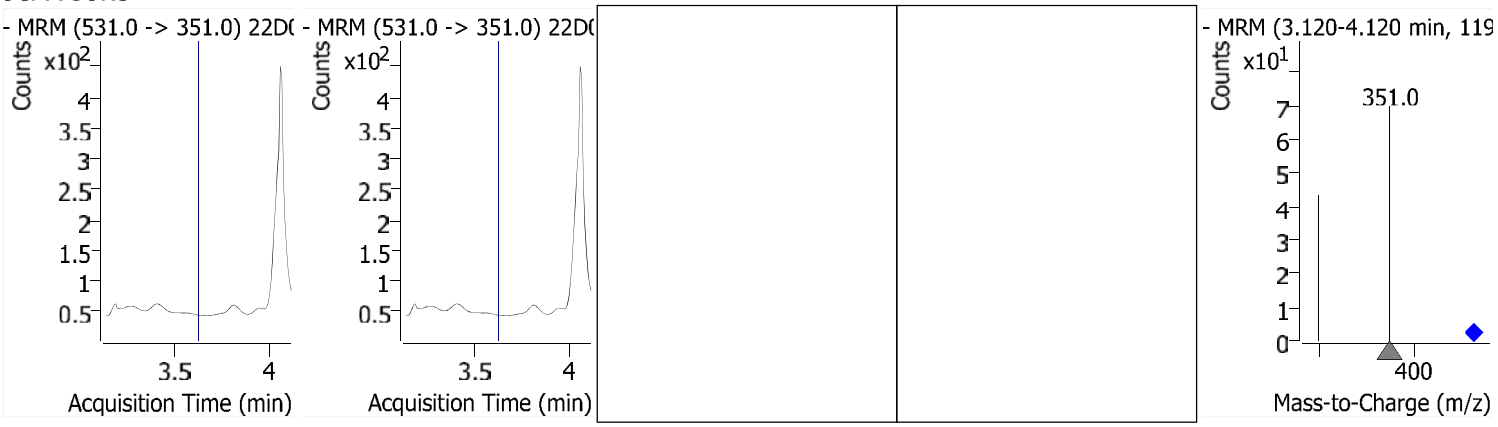


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	308672	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	308672	ND	pg/ml			
ADONA			PFOA C13	3.162	786662	ND	pg/ml			
d5-N-EtFOSAA	3.831	757723	d3-N-MeFOSAA	3.741	810392	40391.1243	pg/ml			
HFPO-DA	1.983	0	PFOA C13	3.162	786662	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	810392	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	810392	ND	pg/ml			
PFBS	1.316	2374	PFOS C13	3.458	308672	121.5667	pg/ml	✔	3	DRL 04/14/22
PFDA C13	3.661	714741	PFOA C13	3.162	786662	10539.0389	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	786662	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	3.748	0	PFOA C13	3.162	786662	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	786662	ND	pg/ml			
PFHxA C13	1.813	803923	PFOA C13	3.162	786662	11168.3635	pg/ml			
PFHxA			PFOA C13	3.162	786662	ND	pg/ml			
PFHxS			PFOS C13	3.458	308672	ND	pg/ml			
PFNA	3.787	0	PFOA C13	3.162	786662	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.163	4990	PFOA C13	3.162	786662	62.6226	pg/ml	✔	3	DRL 04/14/22
PFOS			PFOS C13	3.458	308672	ND	pg/ml			
M3HFPO-DA	2.040	78400	PFOA C13	3.162	786662	10708.9383	pg/ml			
PFTA	4.099	0	PFOA C13	3.162	786662	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	786662	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	786662	ND	pg/ml	✔	1	DRL 04/14/22

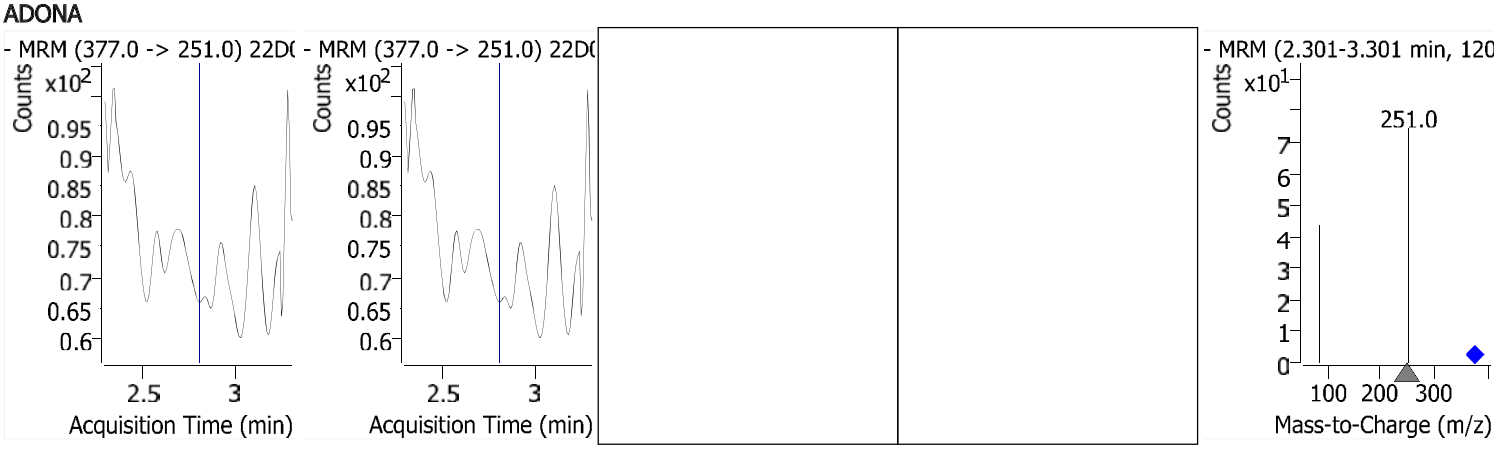
11Cl-PF3OUdS



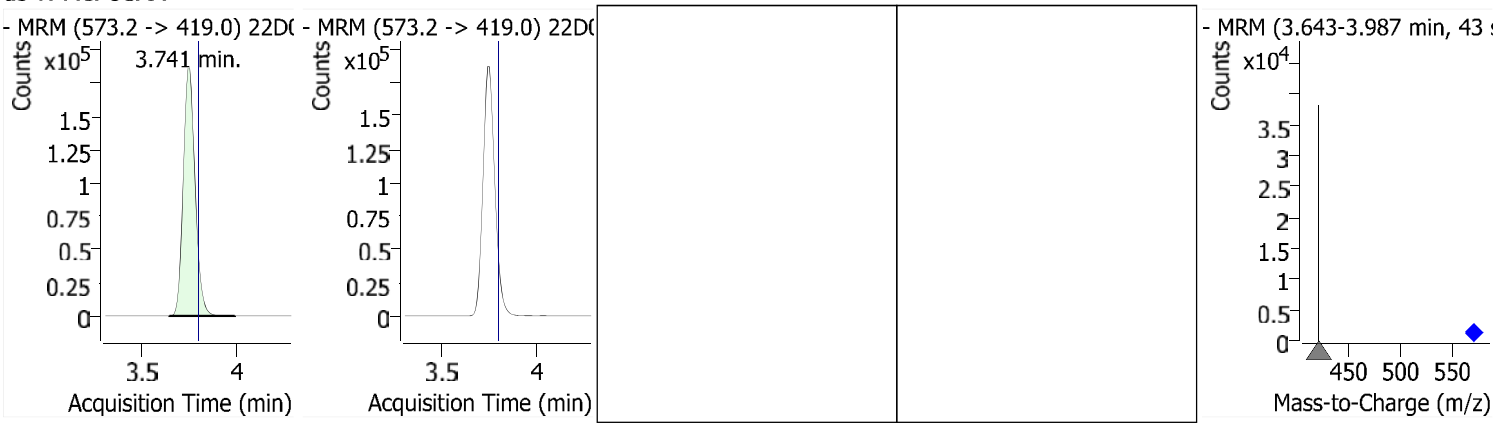
9Cl-PF3ONS



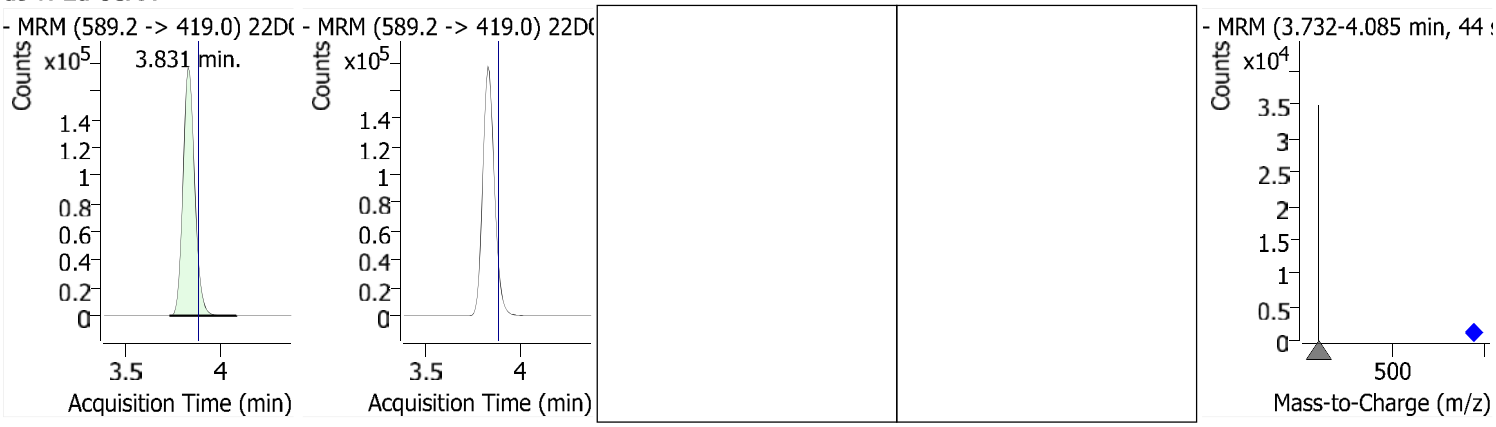
ADONA



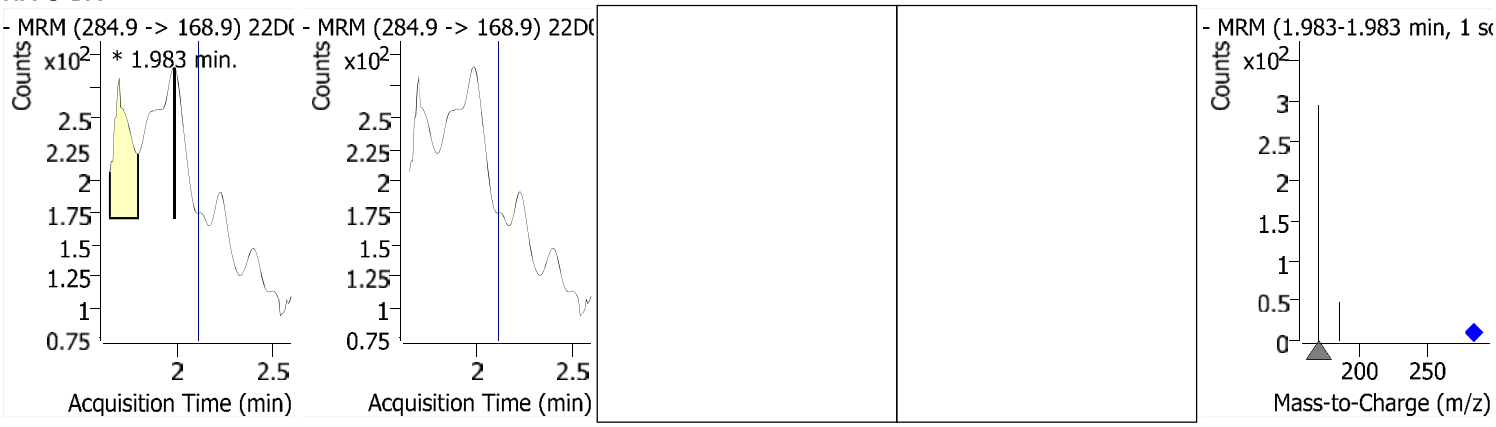
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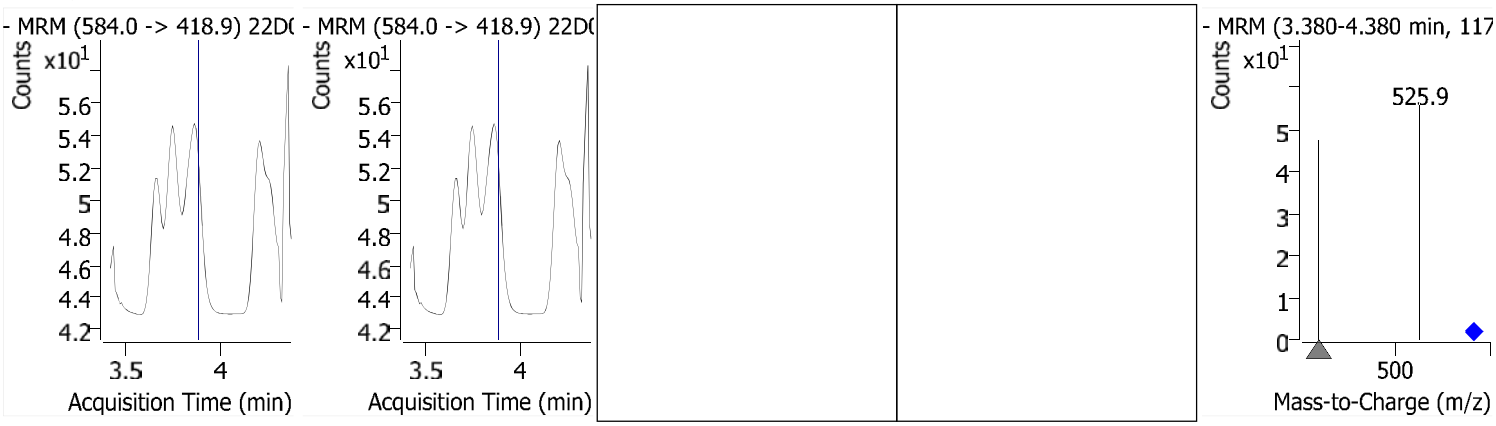
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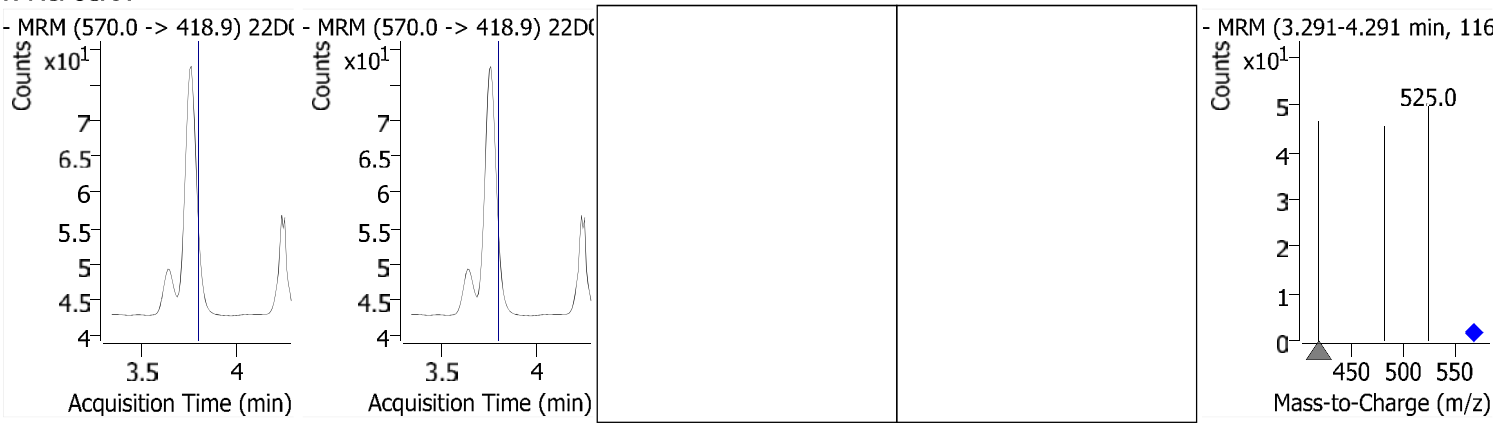
HFPO-DA



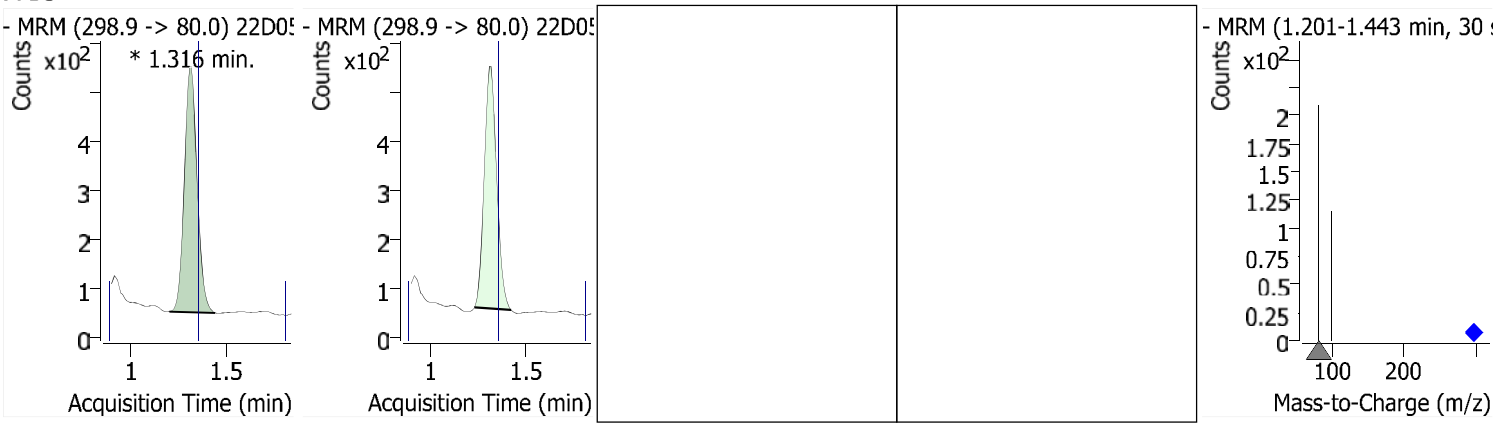
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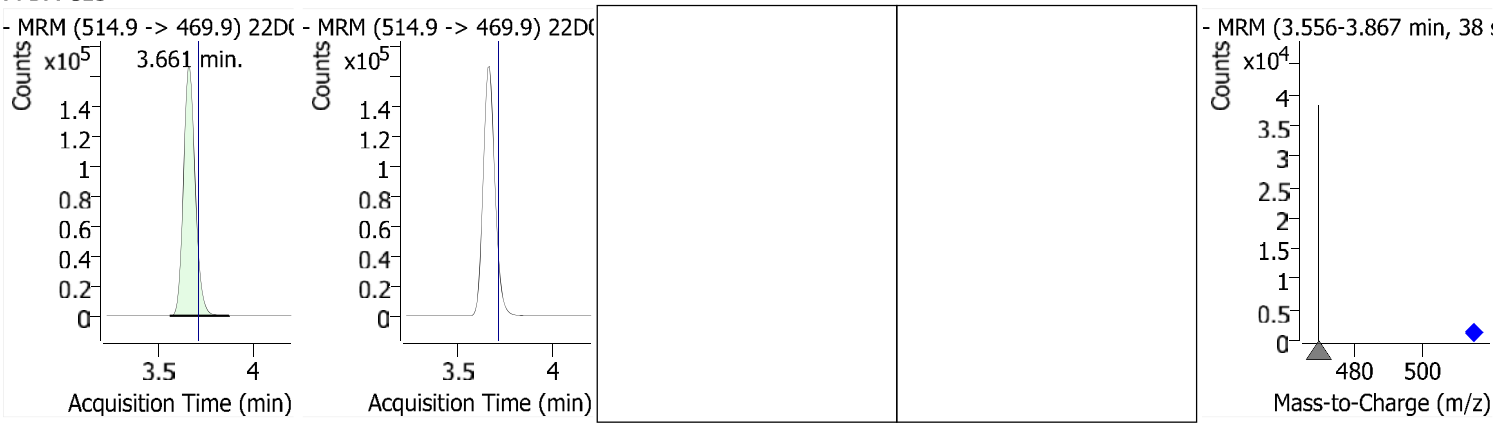
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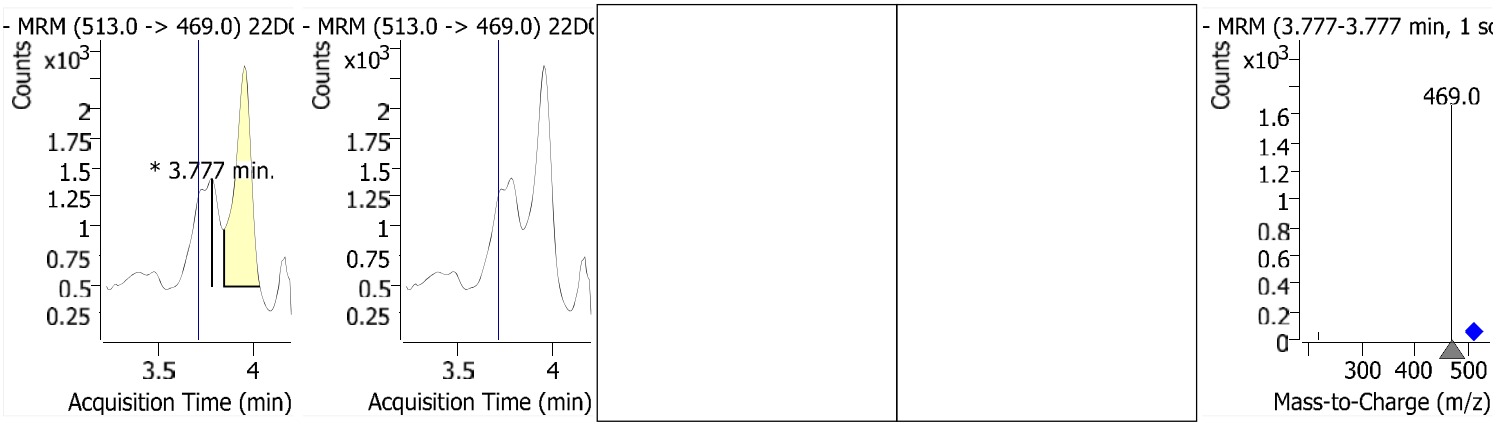
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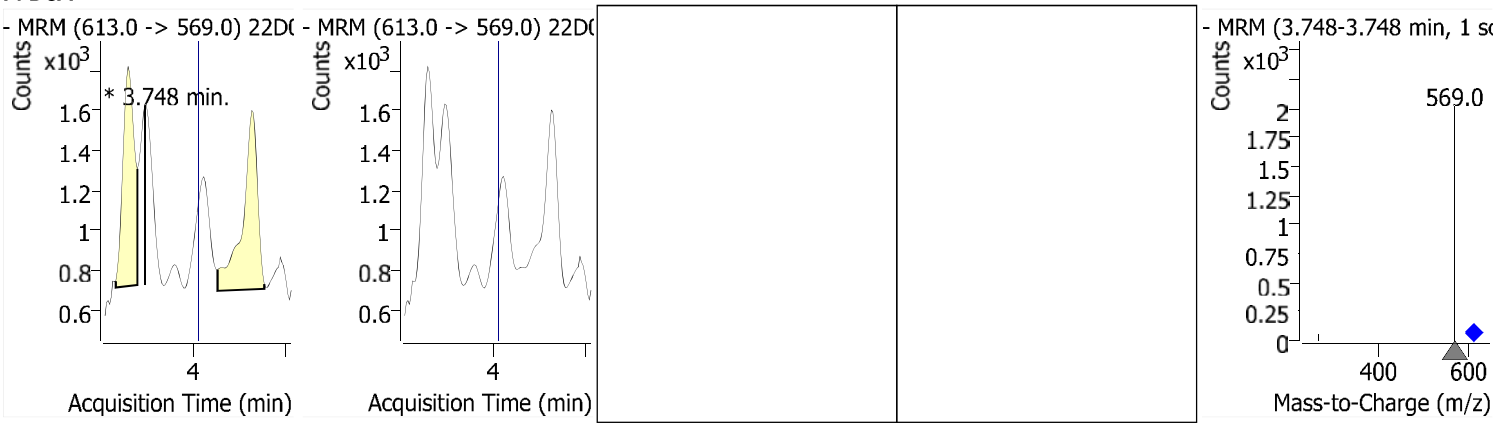
PFDA C13



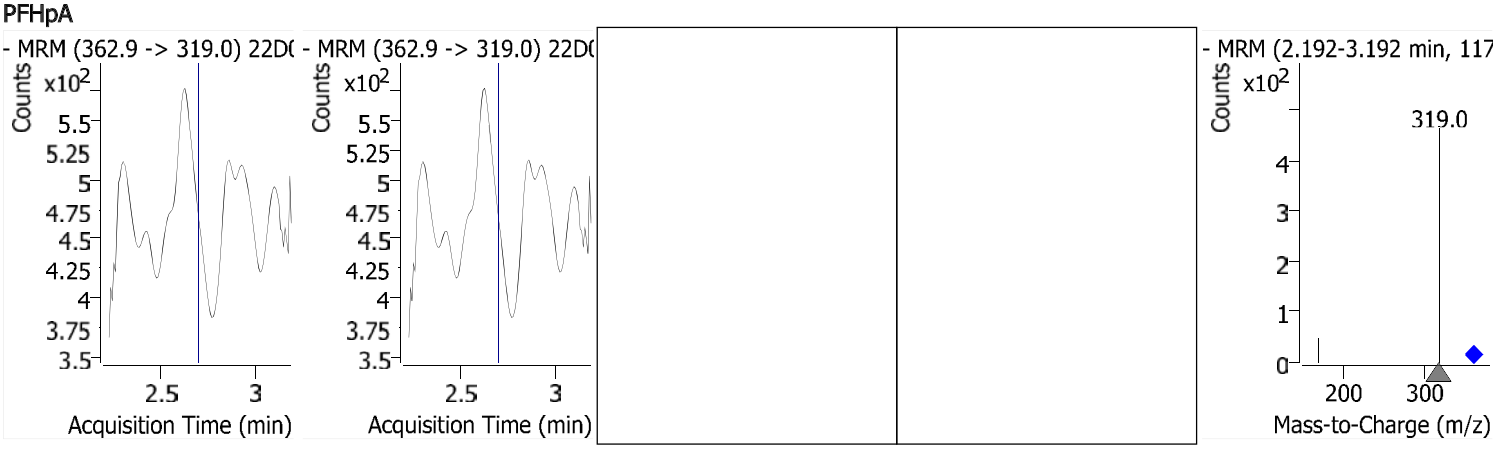
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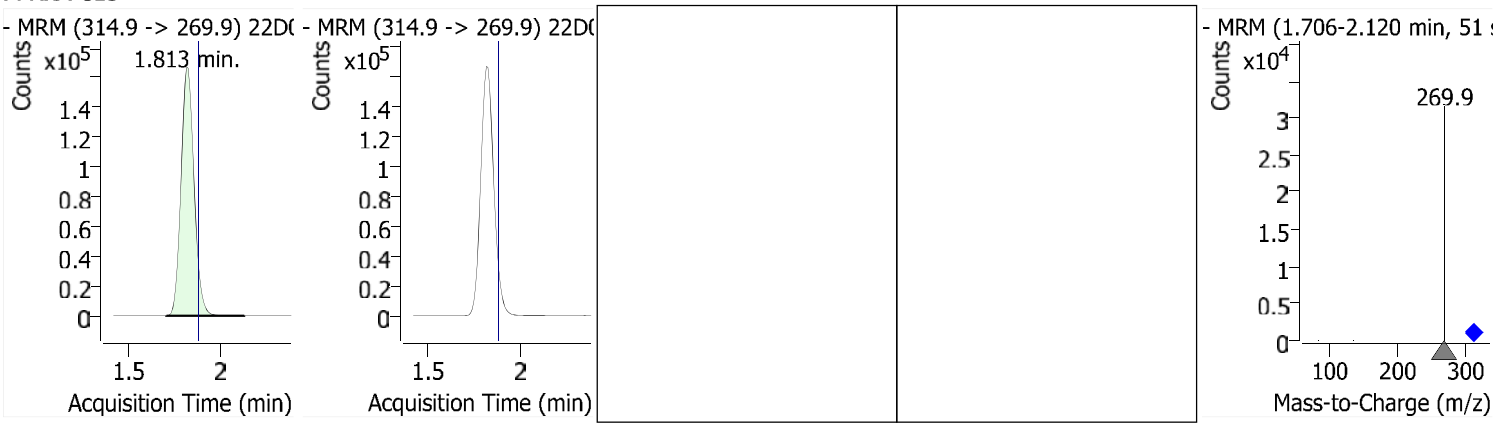
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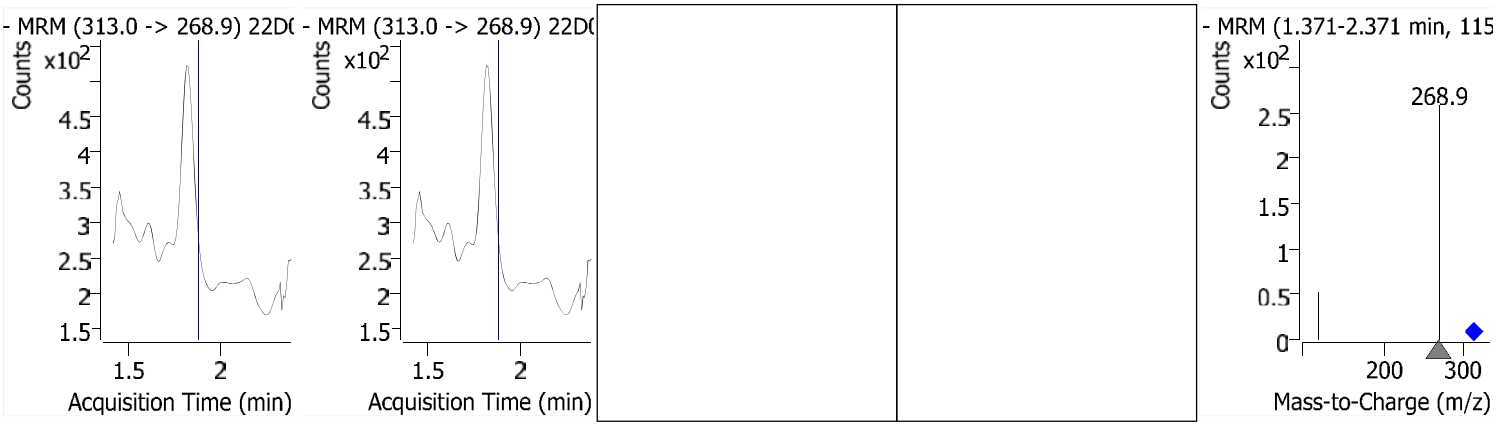
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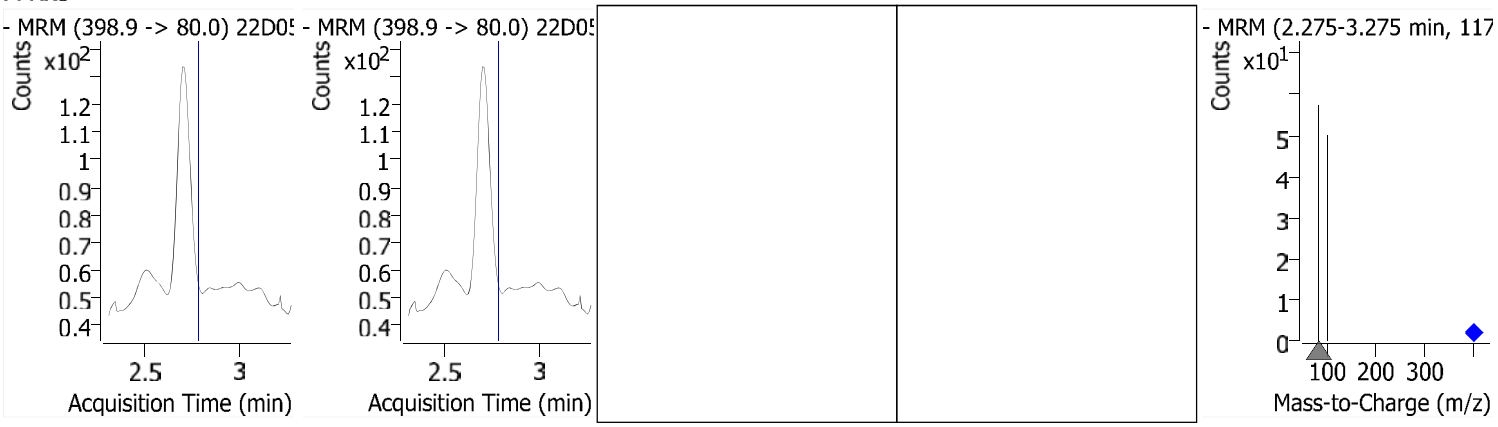
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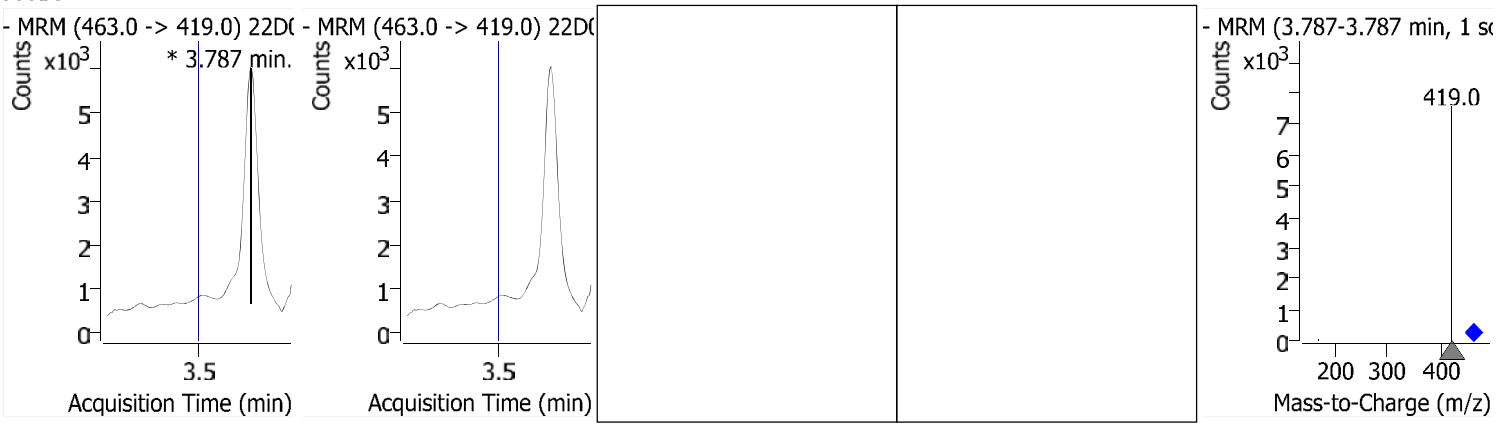
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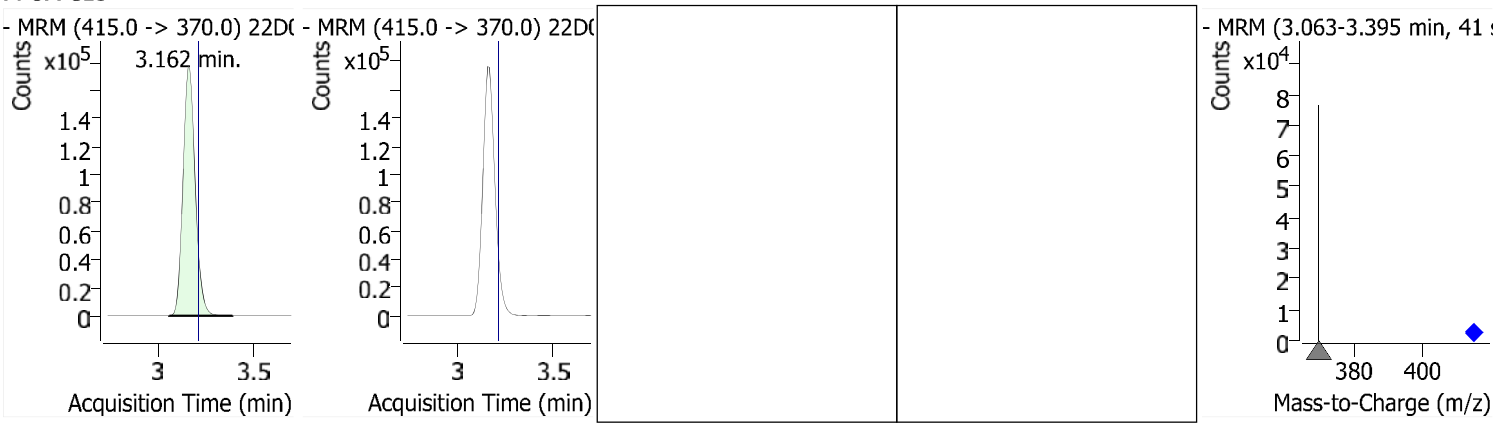
PFHxS



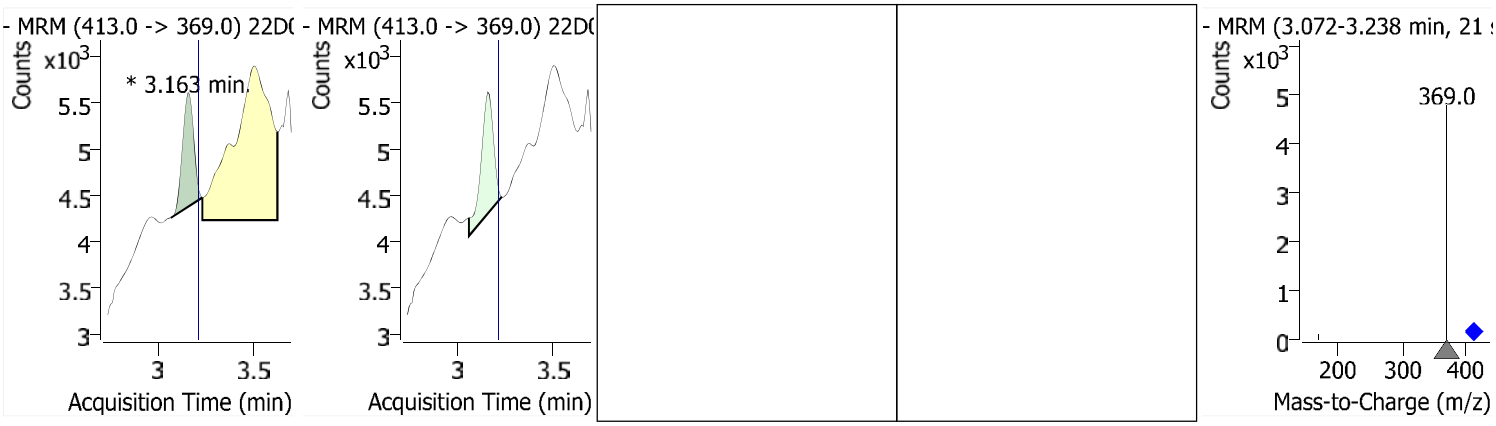
PFNA



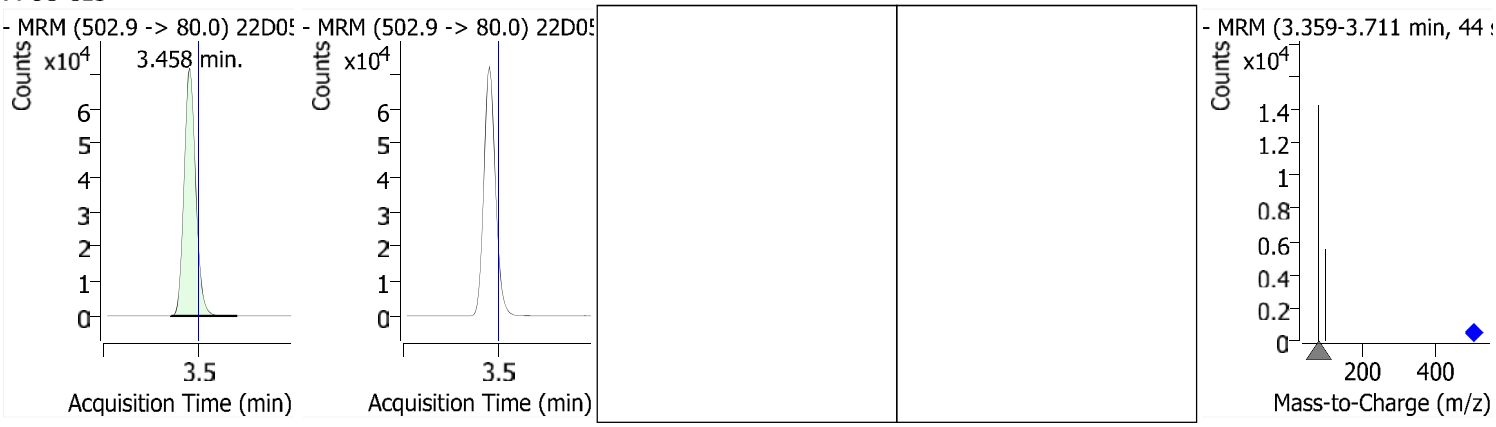
PFOA C13



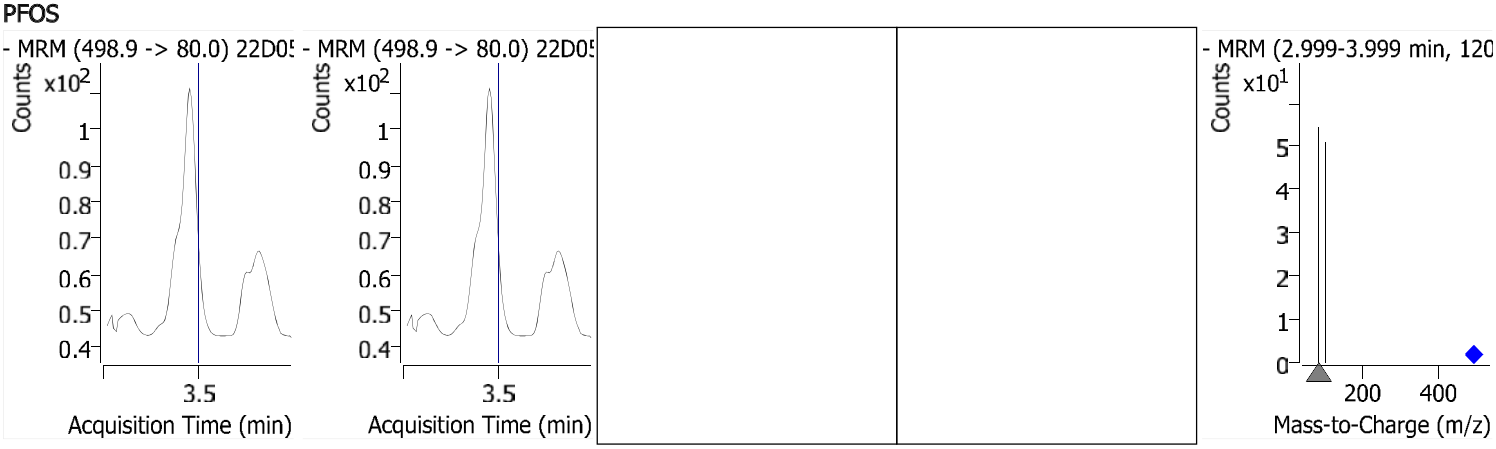
PFOA



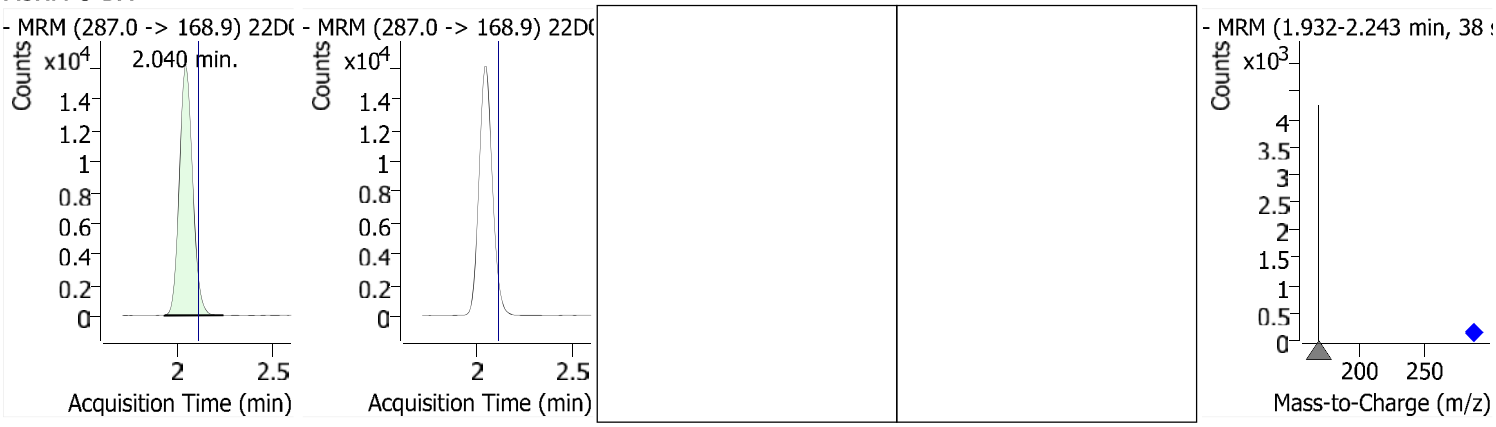
PFOS C13



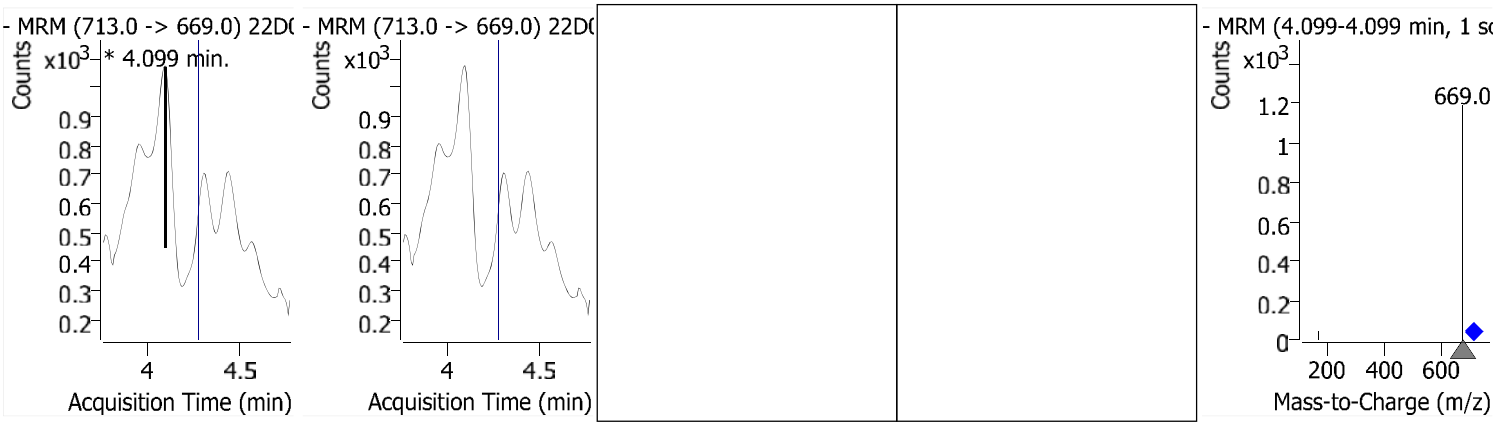
PFOS



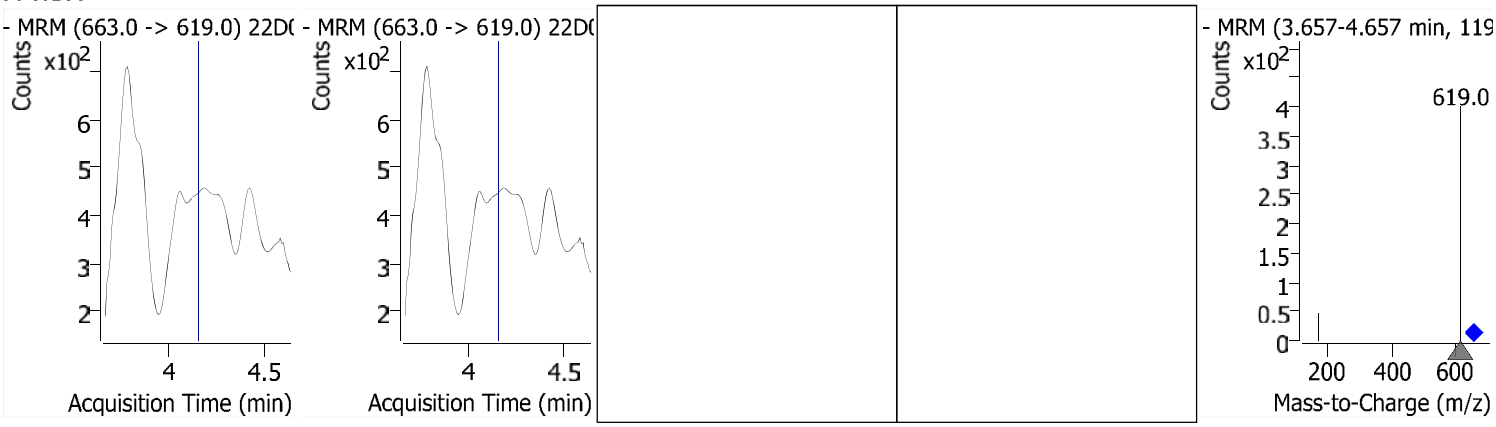
M3HFPO-DA



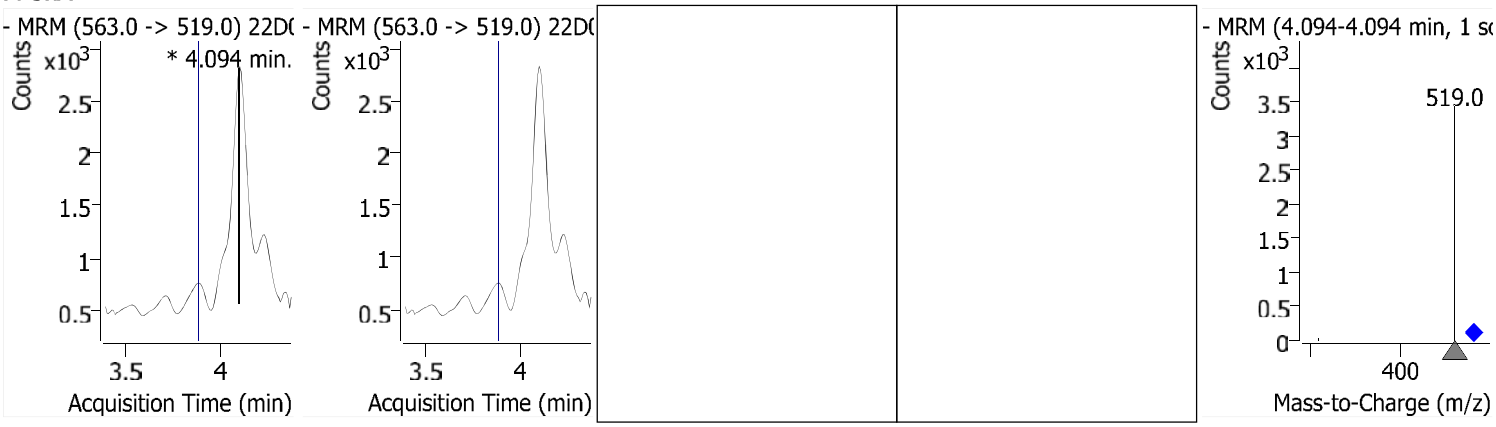
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
2.5
2
1.5
1
0.5
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2.5
2
1.5
1
0.5
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 sc
Counts
x10^3
519.0
3.5
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

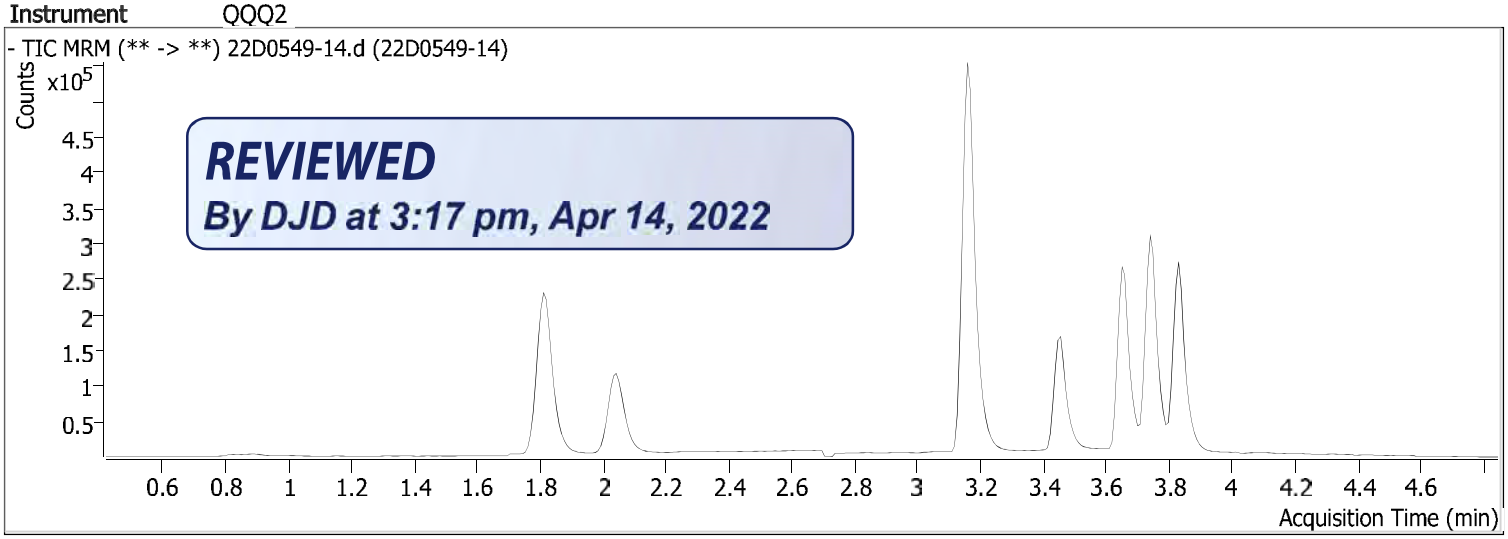
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109I

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-14	File ID:	22D0549-14.d
Sampled:	04/06/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:50
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	246.19 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

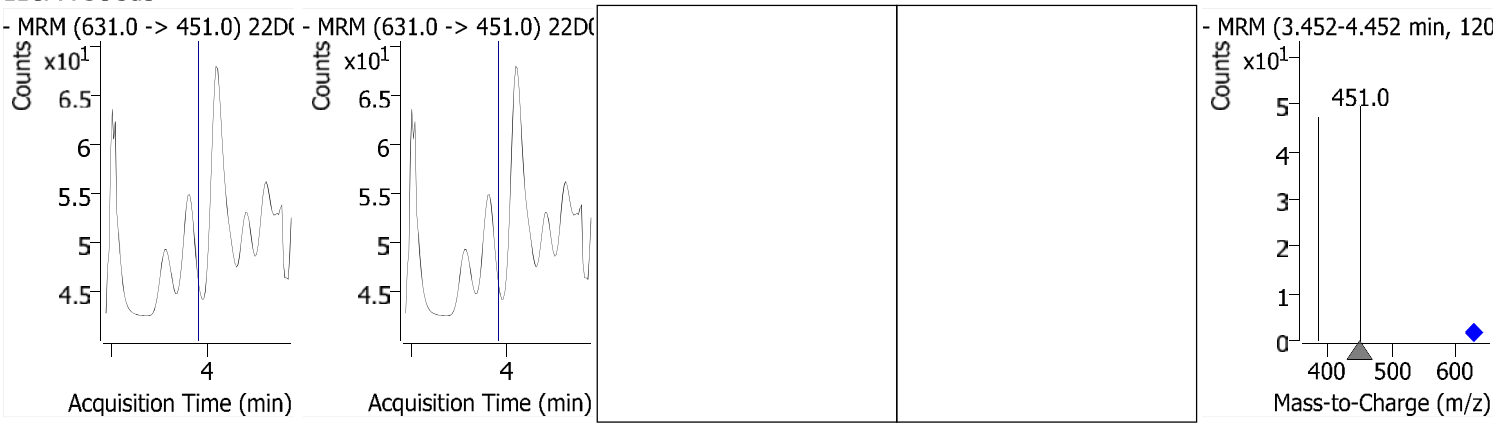
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.78	2.0	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.90	2.0	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.66	2.0	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.69	2.0	
335-67-1	Perfluorooctanoic acid (PFOA)		0.95	2.0	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.88	2.0	
375-95-1	Perfluorononanoic acid (PFNA)		0.90	2.0	
335-76-2	Perfluorodecanoic acid (PFDA)		0.75	2.0	
2991-50-6	N-EtFOSAA		0.71	2.0	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.69	2.0	
2355-31-9	N-MeFOSAA		0.66	2.0	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.63	2.0	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.60	2.0	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.52	2.0	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.90	2.0	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.78	2.0	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.93	2.0	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.83	2.0	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:50 PM	Data File	22D0549-14.d
Sample Type	Sample	Sample Name	22D0549-14
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

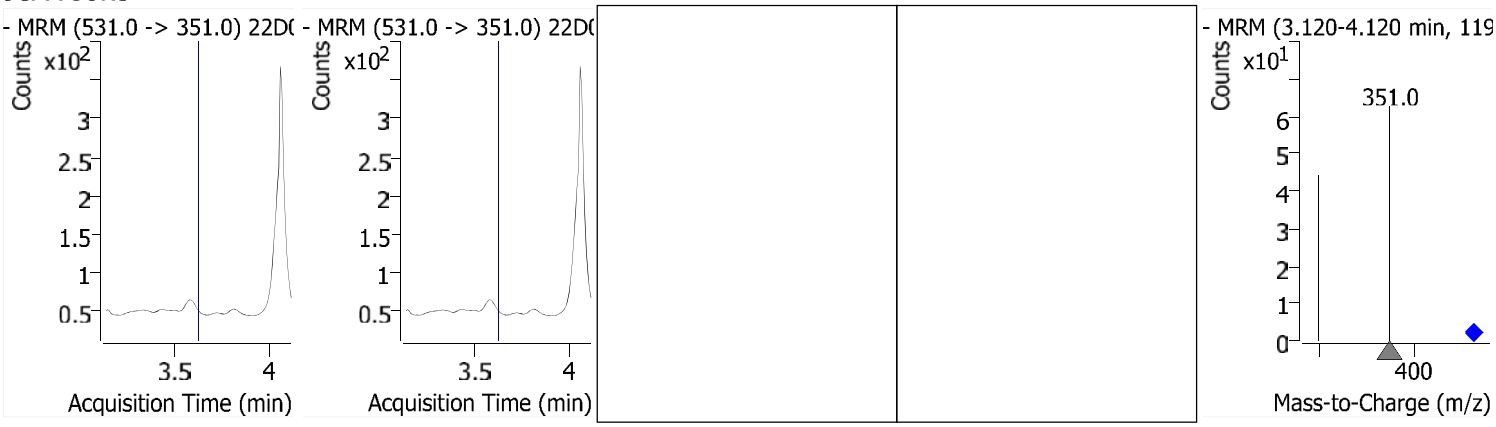


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	316536	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	316536	ND	pg/ml			
ADONA			PFOA C13	3.162	806164	ND	pg/ml			
d5-N-EtFOSAA	3.831	694825	d3-N-MeFOSAA	3.741	794487	37779.7545	pg/ml			
HFPO-DA	1.800	0	PFOA C13	3.162	806164	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	794487	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	794487	ND	pg/ml			
PFBS			PFOS C13	3.458	316536	ND	pg/ml			
PFDA C13	3.661	677128	PFOA C13	3.162	806164	9742.8866	pg/ml			
PFDA			PFOA C13	3.162	806164	ND	pg/ml			
PFDoA	4.315	0	PFOA C13	3.162	806164	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	806164	ND	pg/ml			
PFHxA C13	1.813	798739	PFOA C13	3.162	806164	10827.9152	pg/ml			
PFHxA			PFOA C13	3.162	806164	ND	pg/ml			
PFHxS			PFOS C13	3.458	316536	ND	pg/ml			
PFNA	3.787	0	PFOA C13	3.162	806164	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.477	0	PFOA C13	3.162	806164	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	316536	ND	pg/ml			
M3HFPO-DA	2.040	82077	PFOA C13	3.162	806164	10940.0987	pg/ml			
PFTA	4.313	0	PFOA C13	3.162	806164	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	806164	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	806164	ND	pg/ml	✔	1	DRL 04/14/22

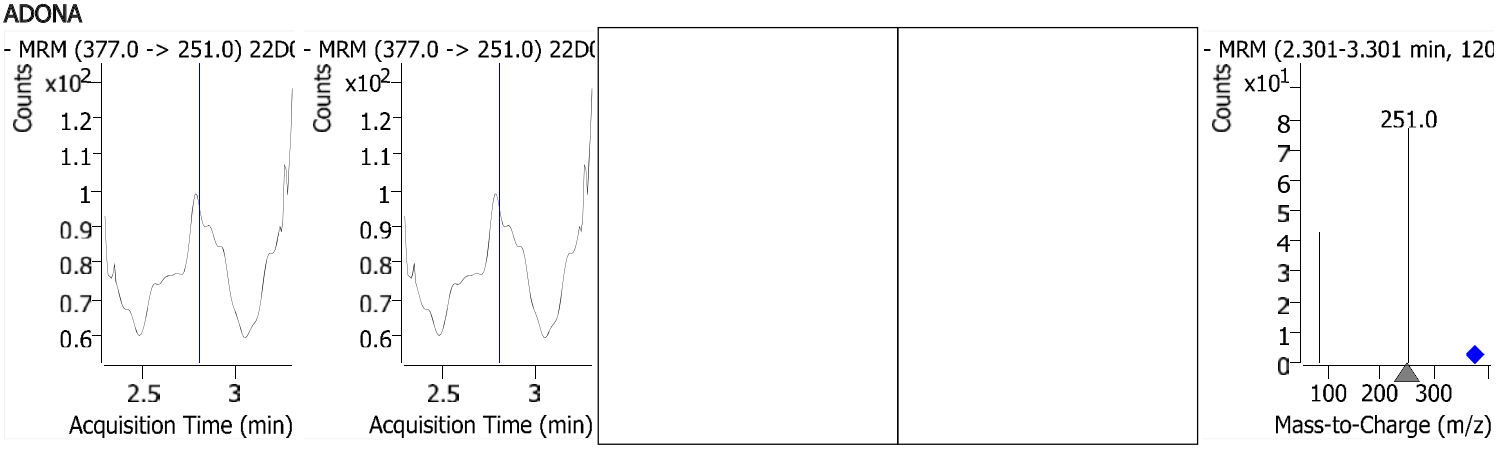
11Cl-PF3OUdS



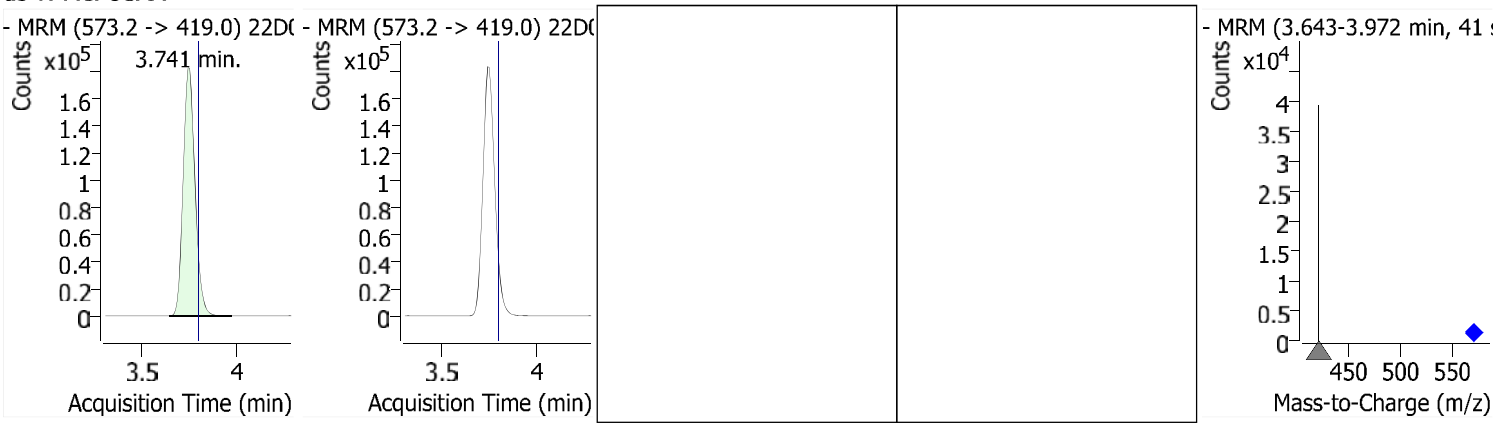
9Cl-PF3ONS



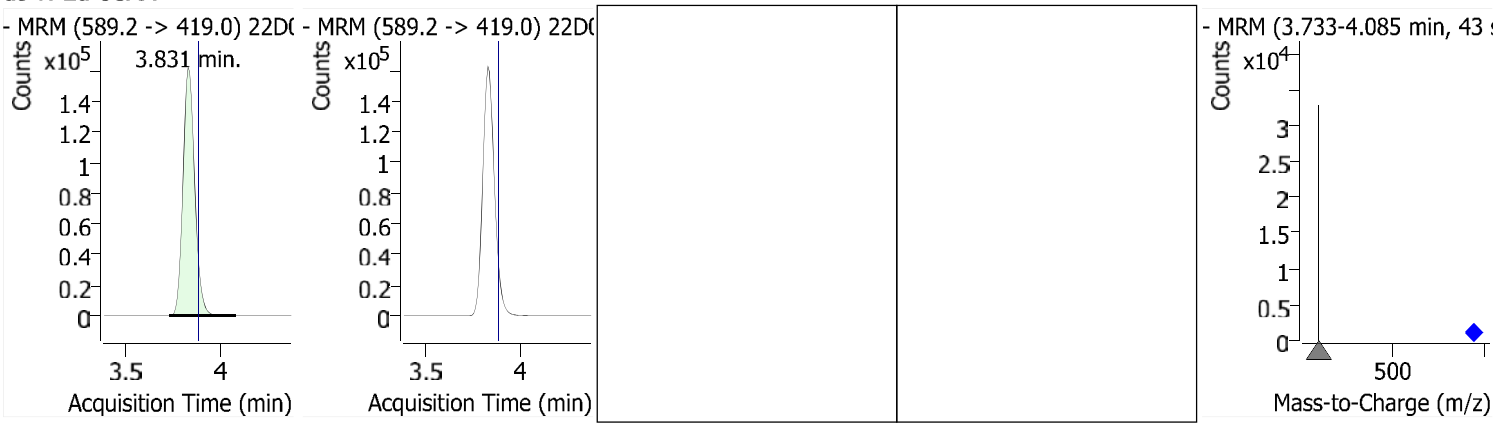
ADONA



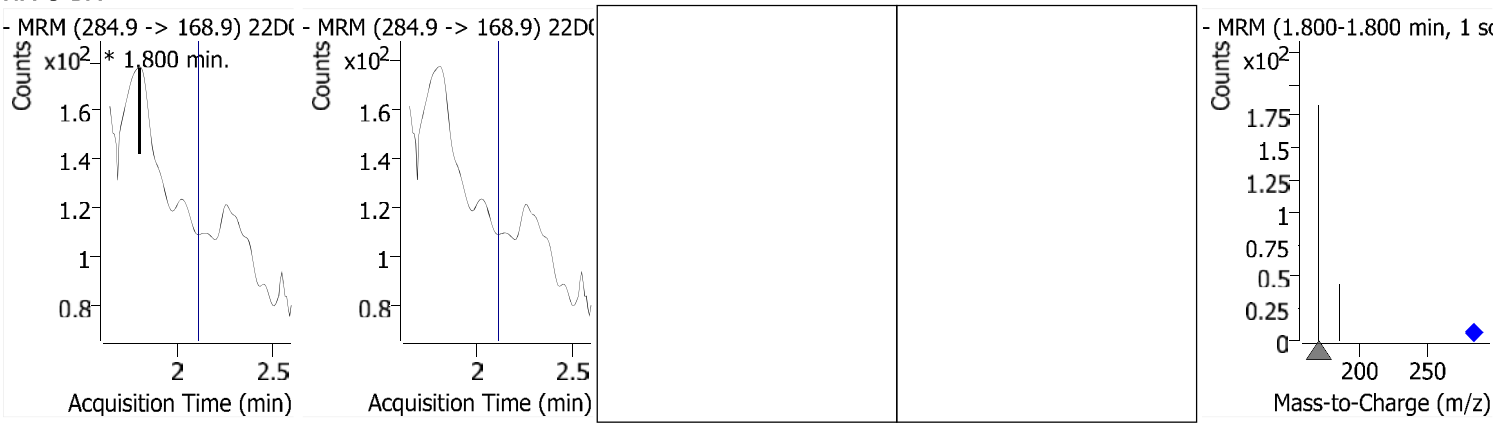
d3-N-MeFOSAA



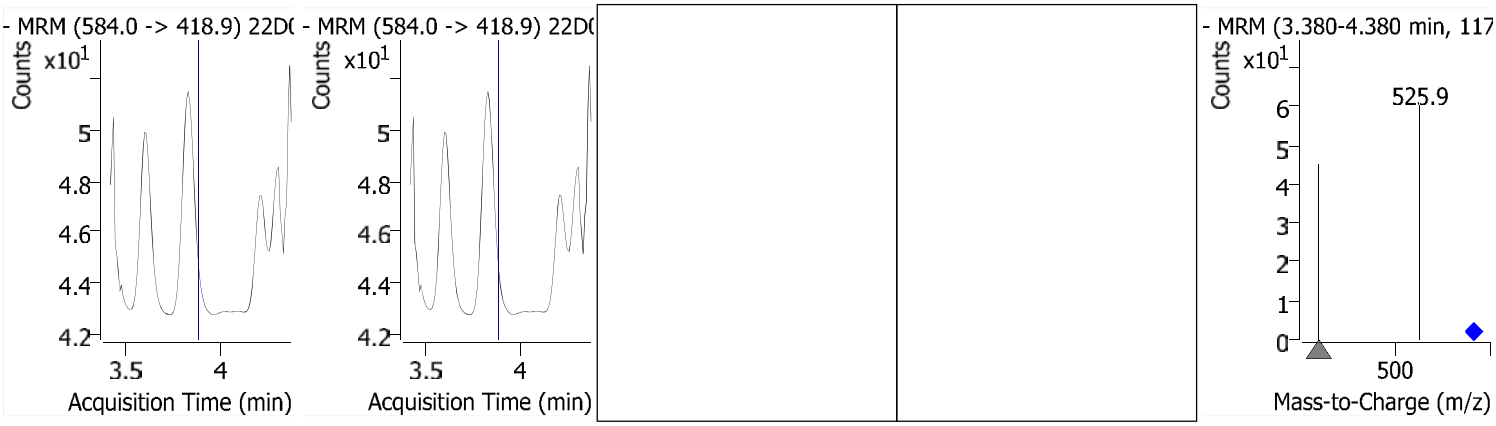
d5-N-EtFOSAA



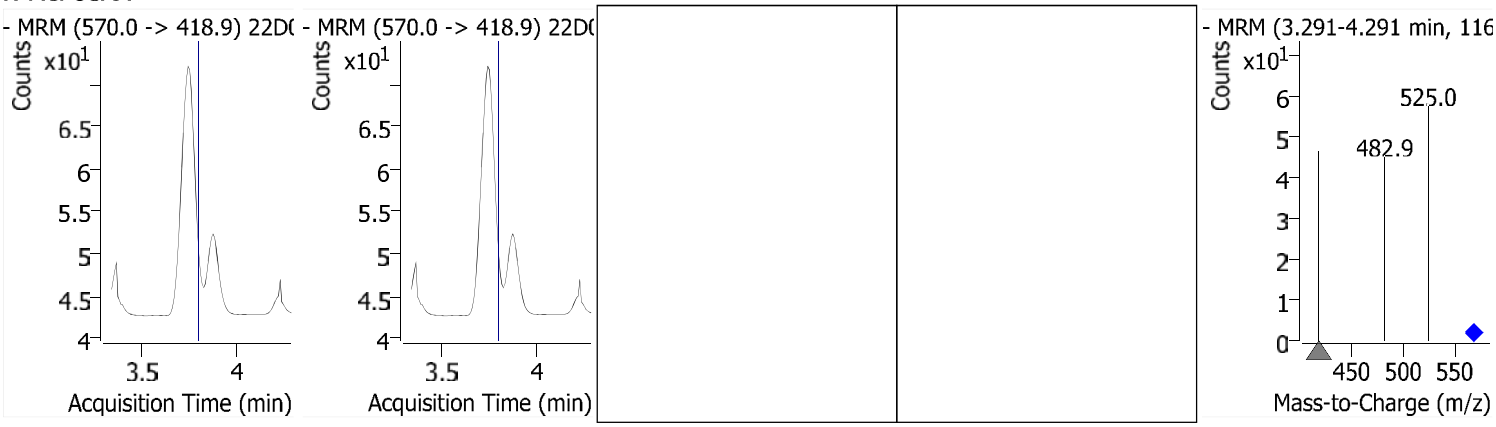
HFPO-DA



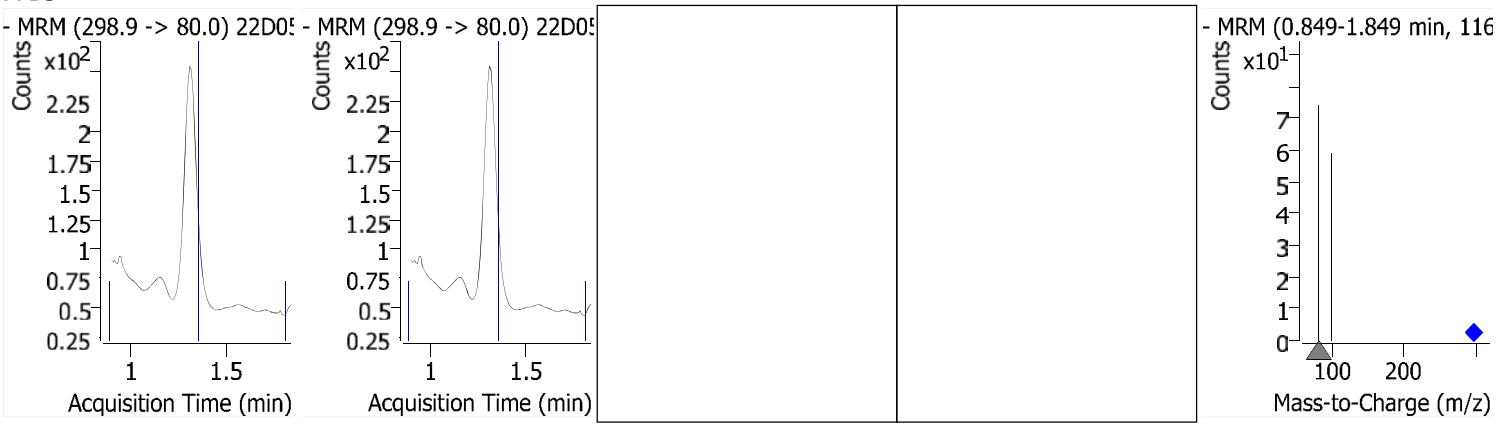
N-EtFOSAA



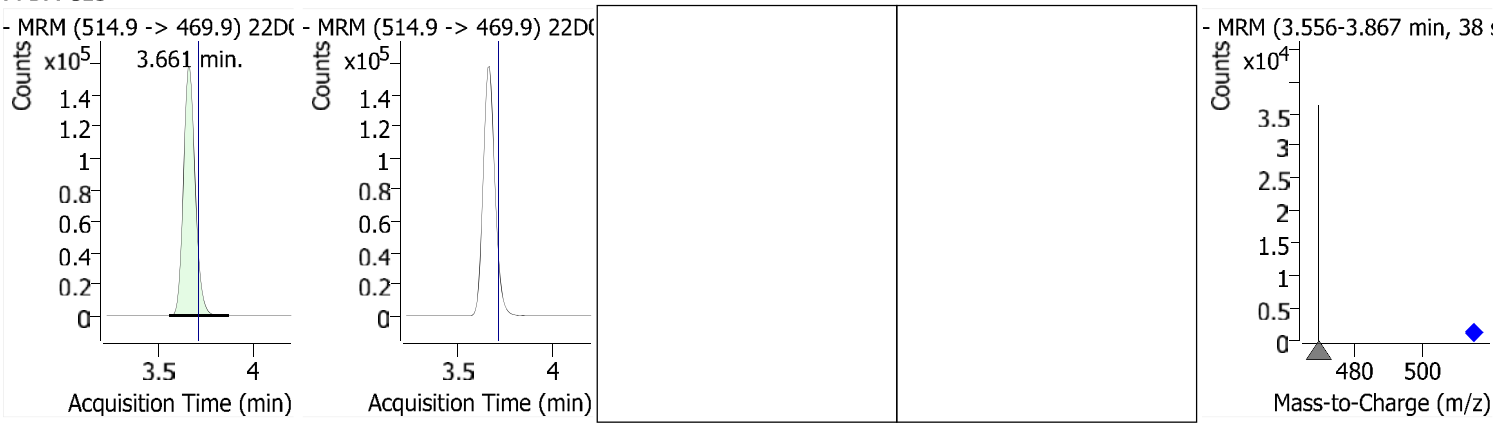
N-MeFOSAA



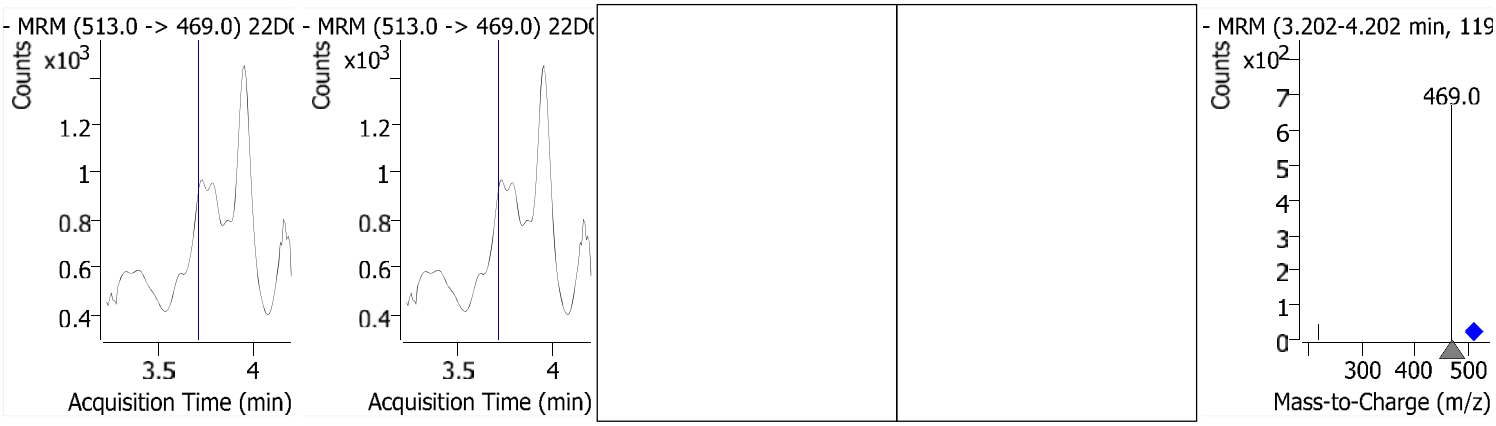
PFBS



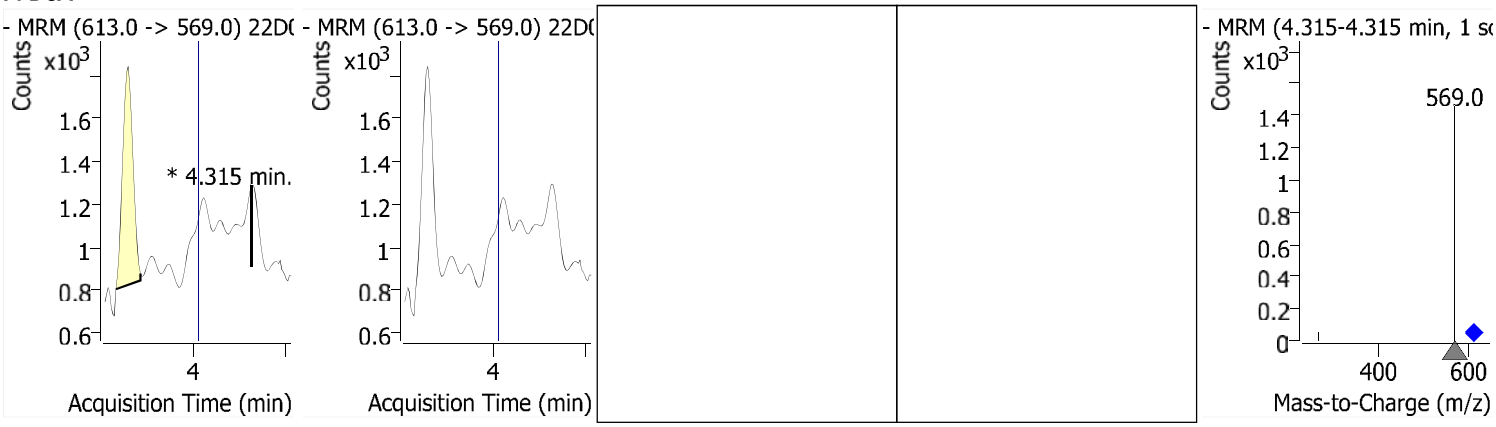
PFDA C13



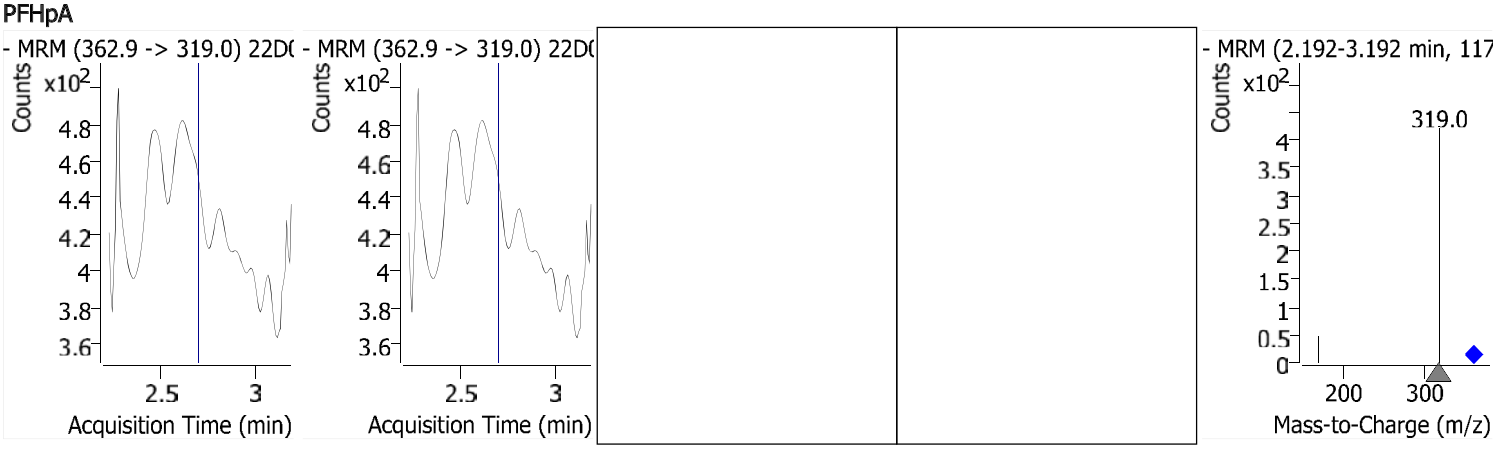
PFDA



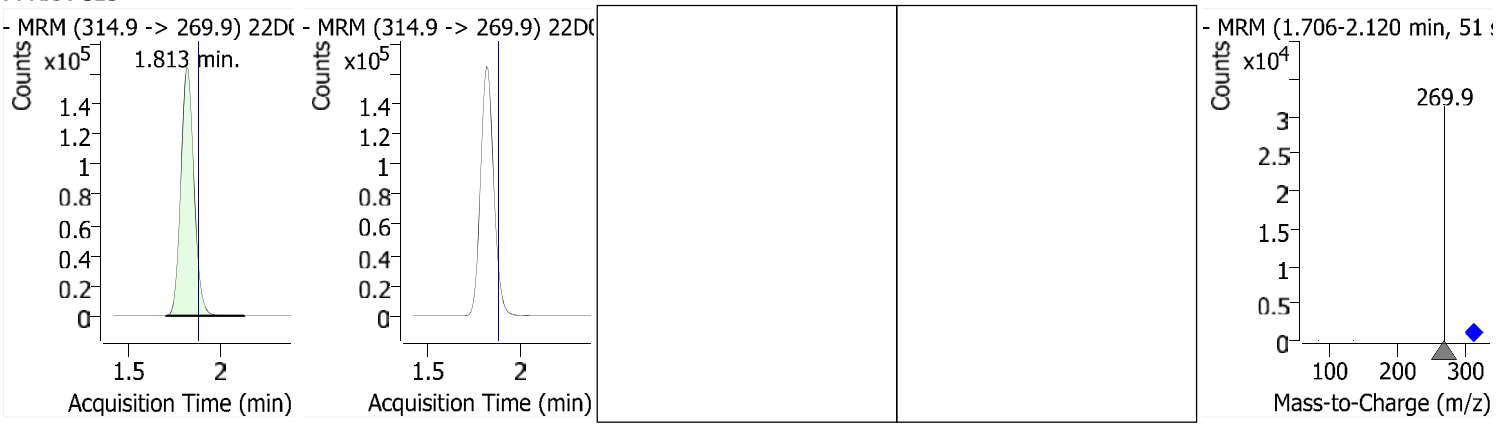
PFDoA



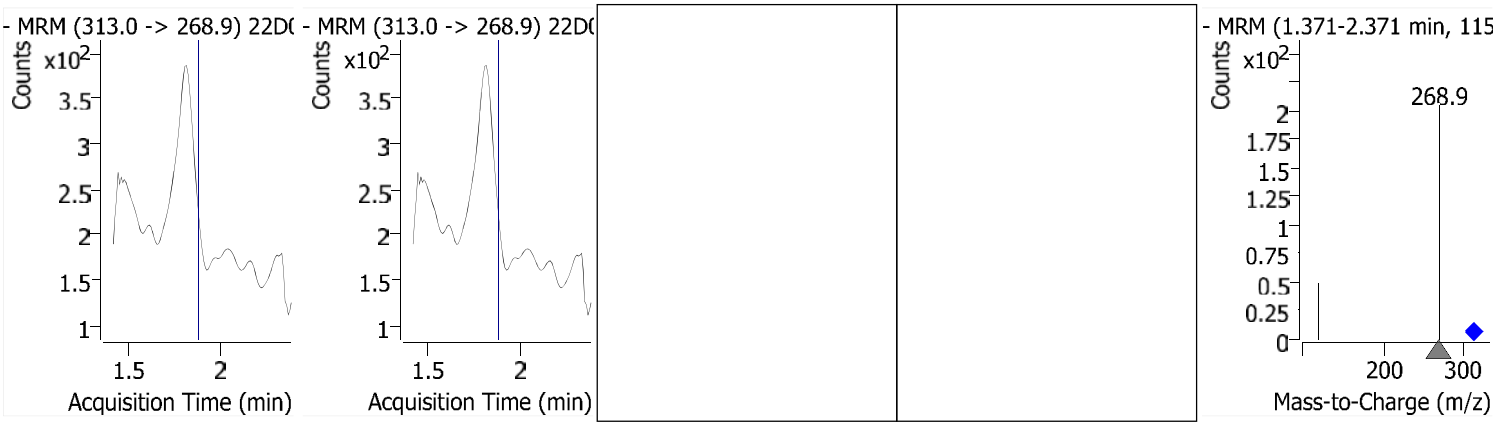
PFHpA



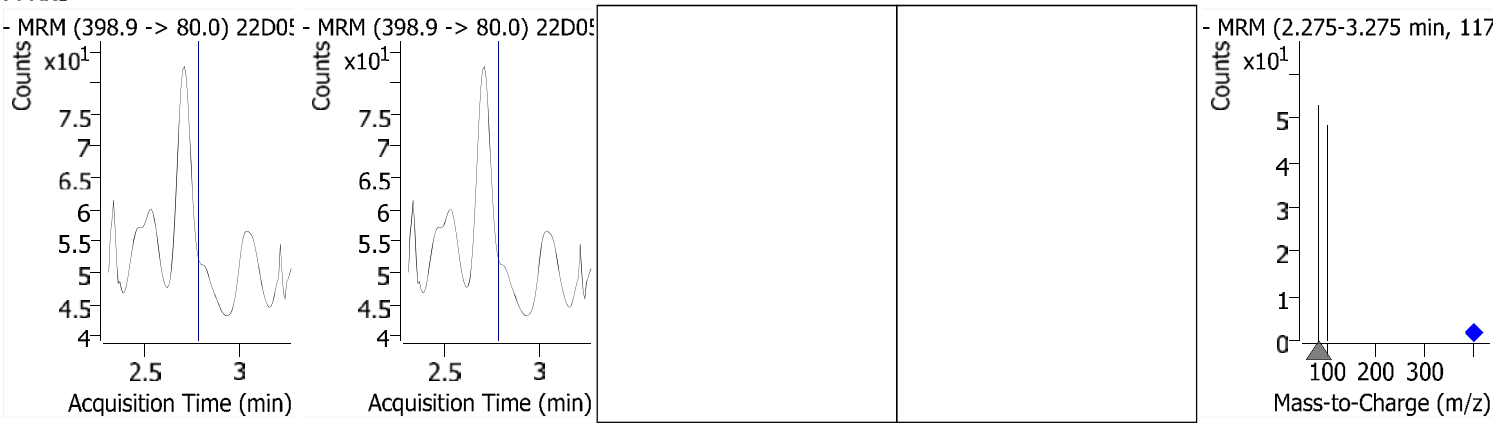
PFHxA C13



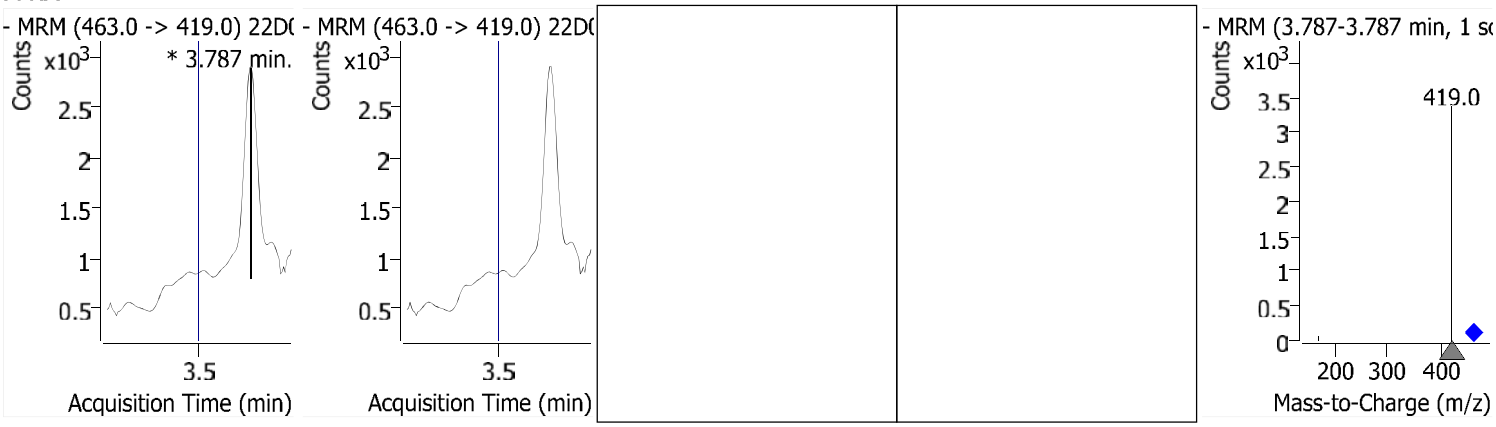
PFHxA



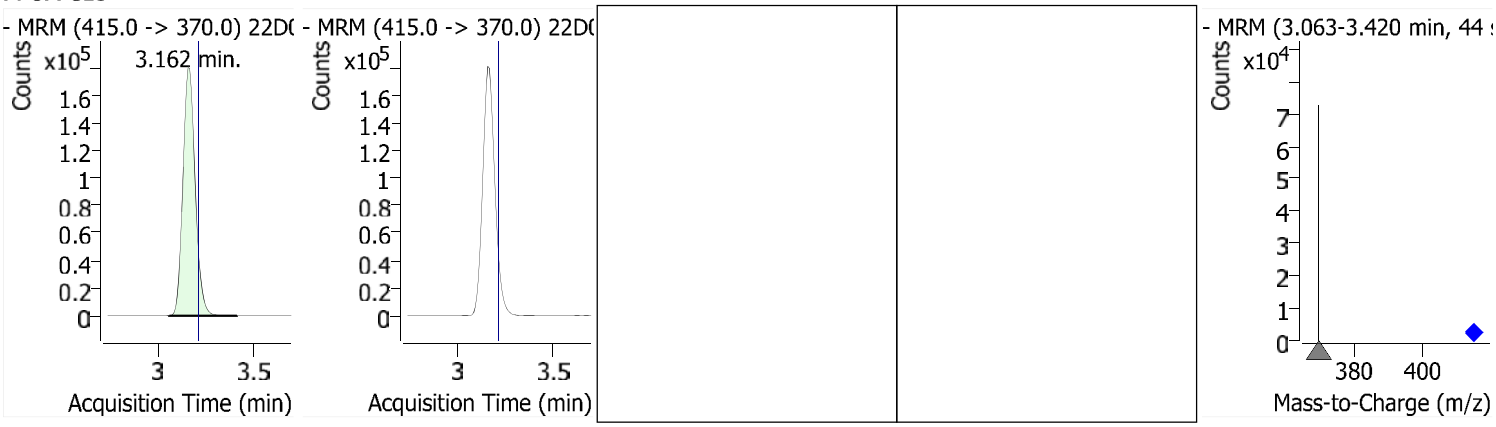
PFHxS



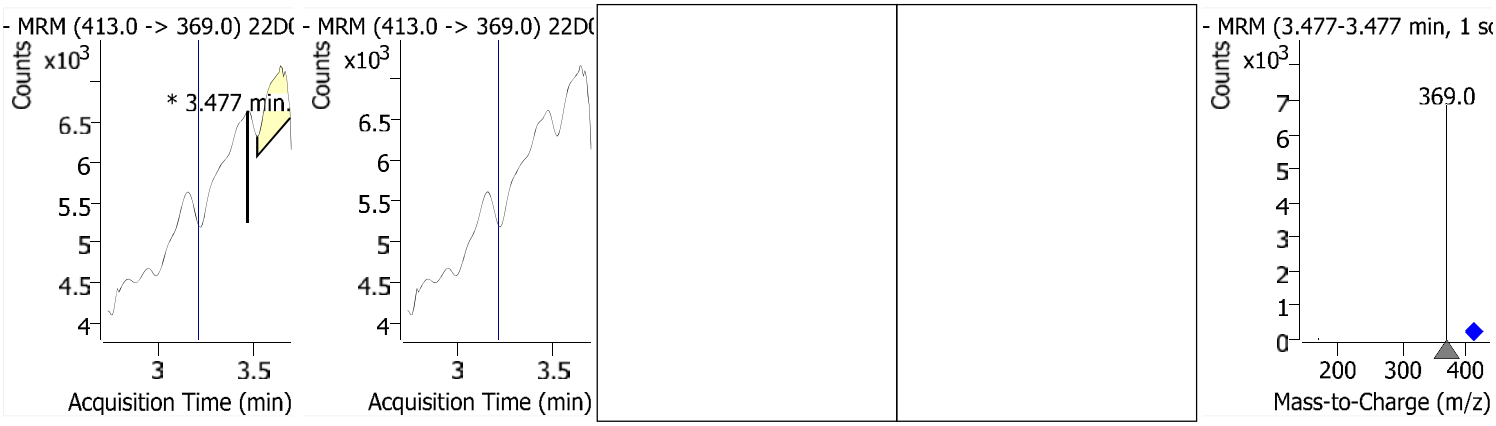
PFNA



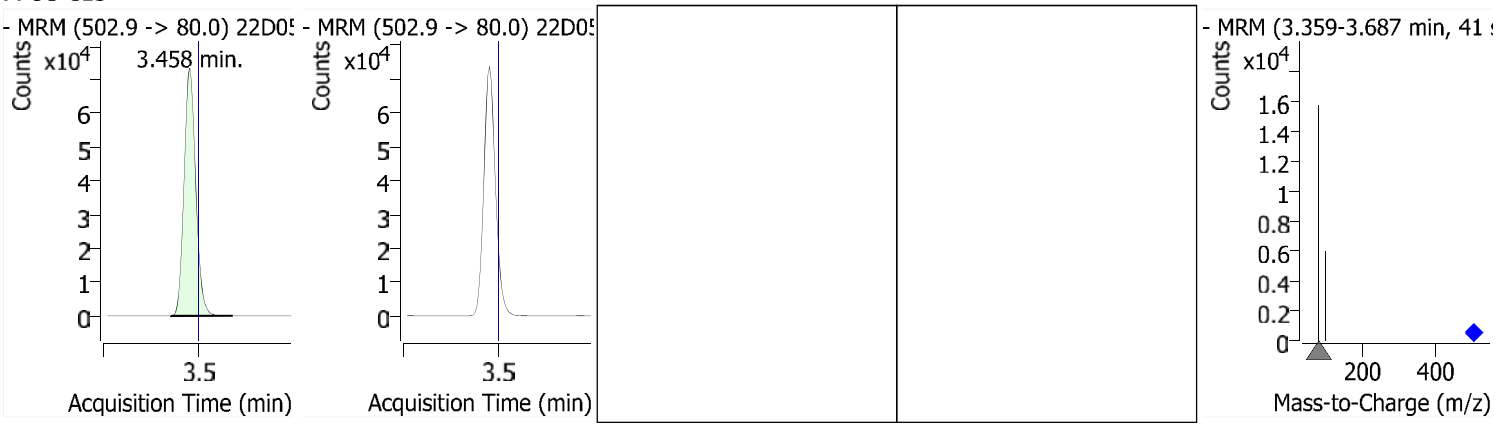
PFOA C13



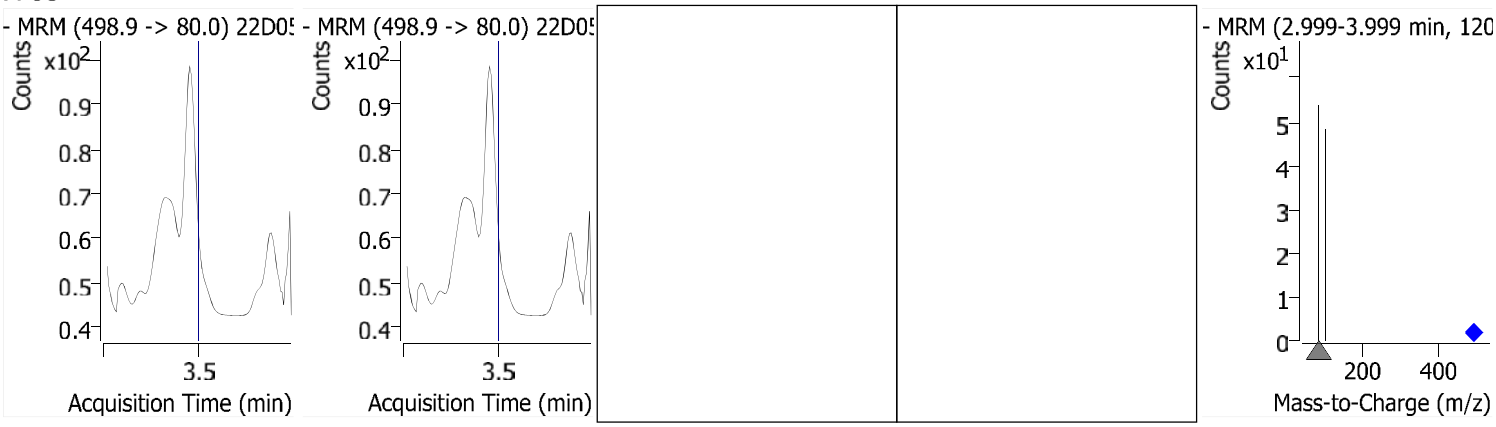
PFOA



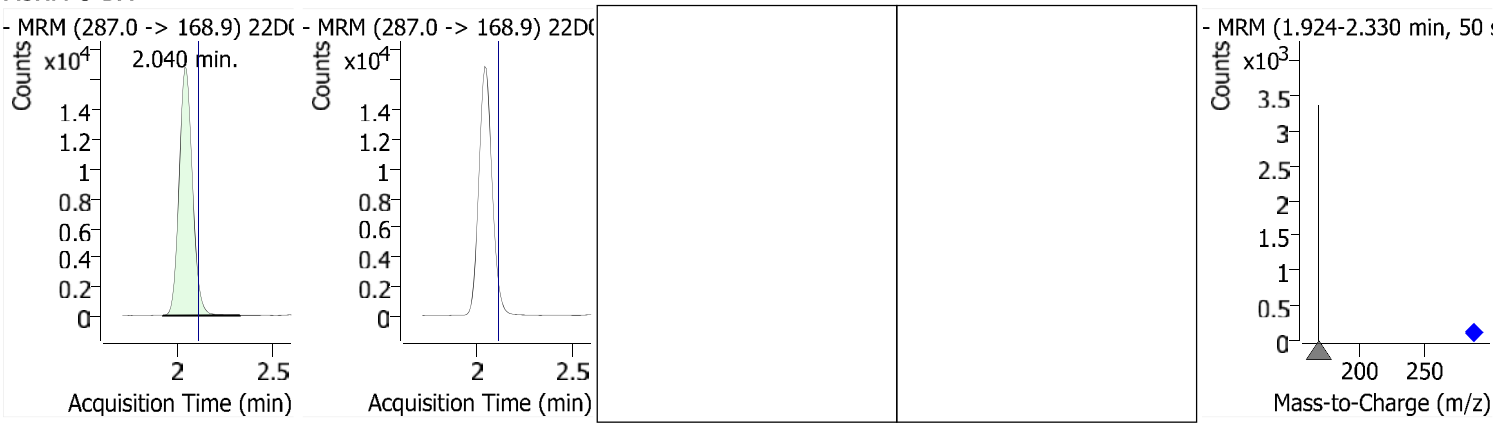
PFOS C13



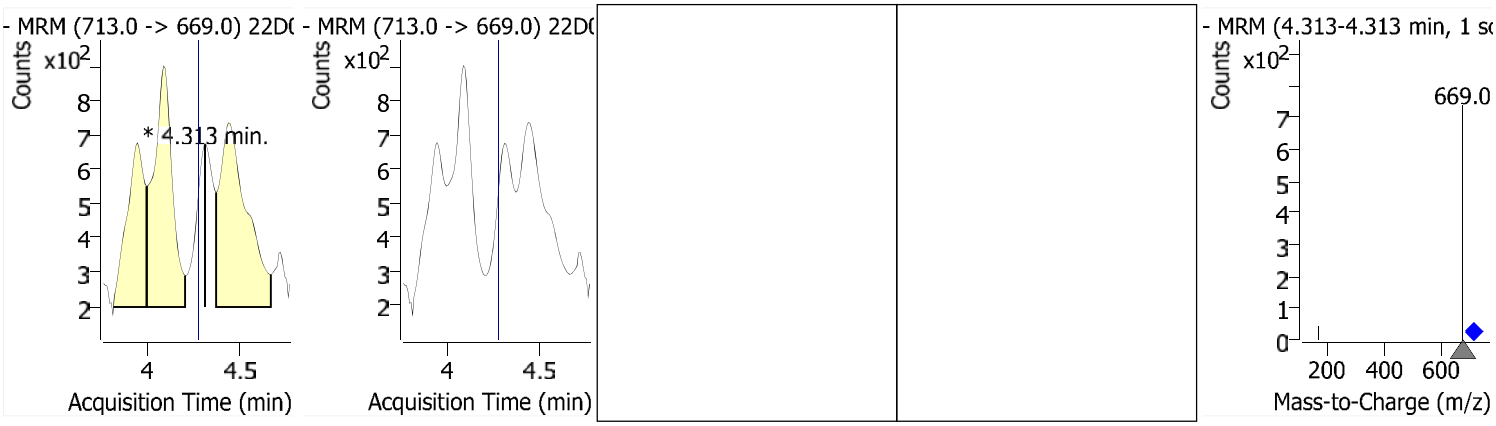
PFOS



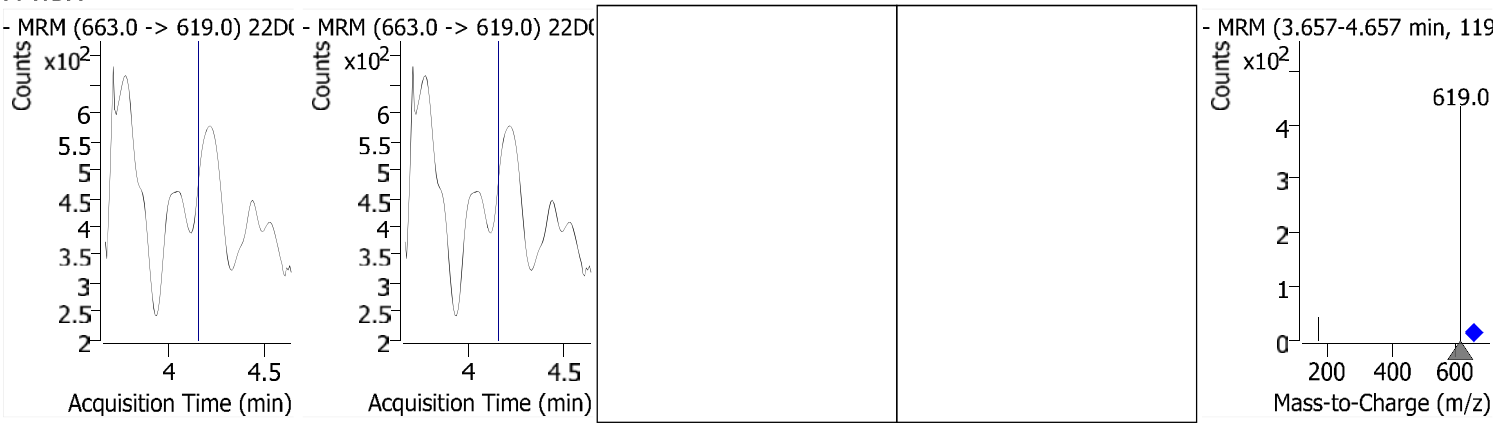
M3HFPO-DA



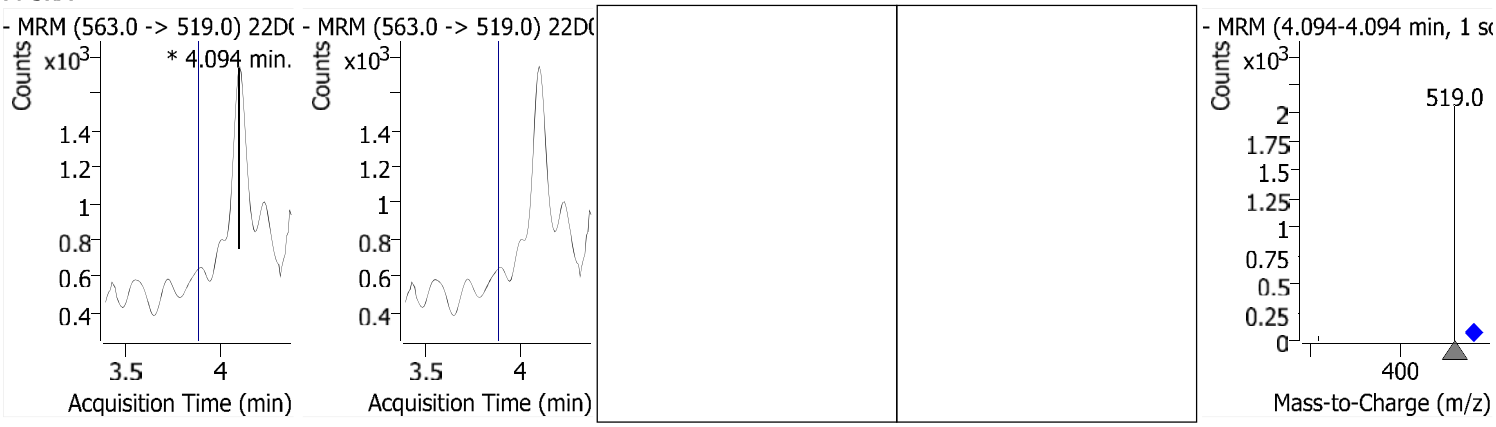
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 s(
Counts
x10^3
519.0
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
400
Mass-to-Charge (m/z)

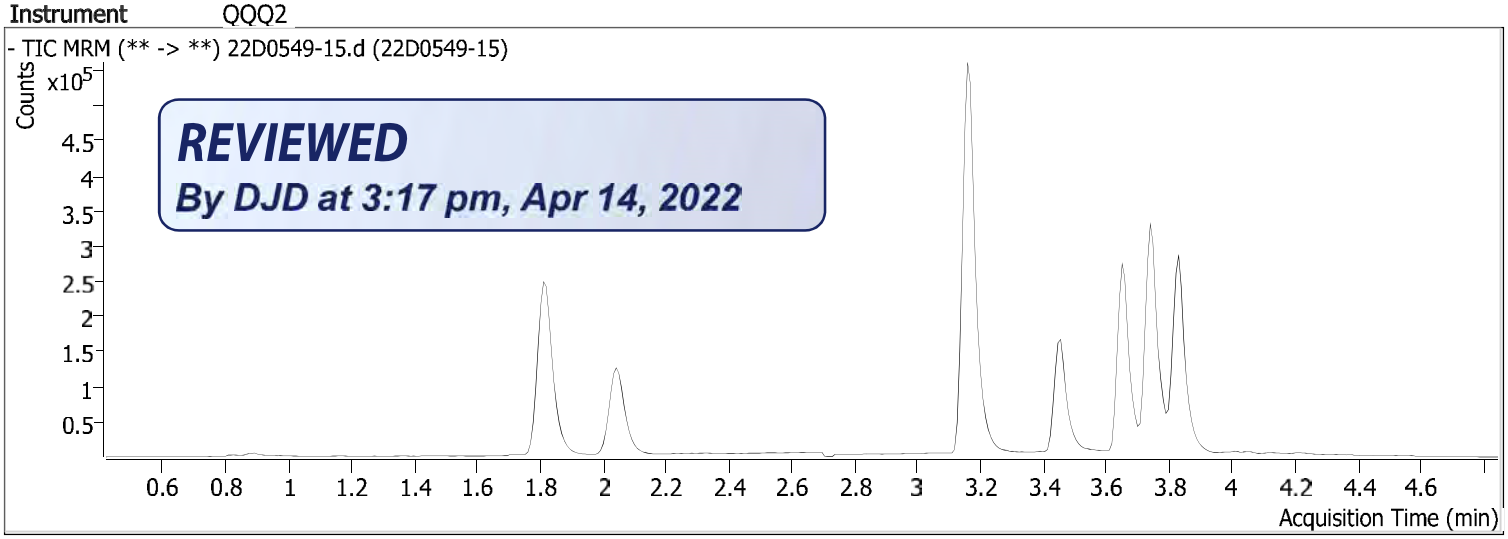
1 - FORM I
ANALYSIS DATA SHEET

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-15	File ID:	22D0549-15.d
Sampled:	04/06/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 14:57
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	240.48 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
				Instrument:	QQQ2

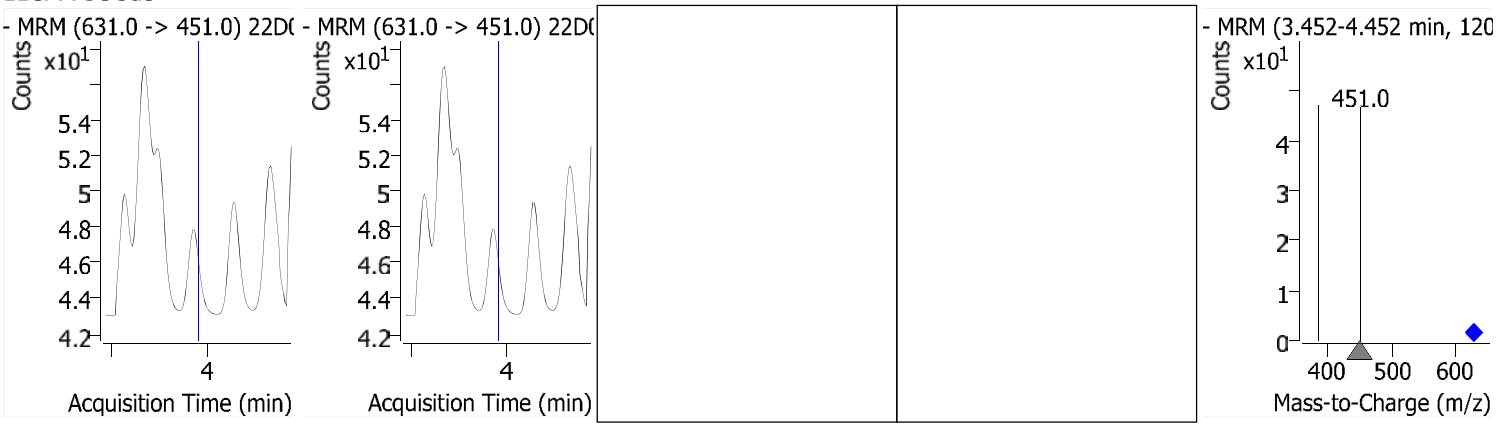
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.80	2.1	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.92	2.1	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.67	2.1	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.70	2.1	
335-67-1	Perfluorooctanoic acid (PFOA)		0.98	2.1	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.90	2.1	
375-95-1	Perfluorononanoic acid (PFNA)		0.92	2.1	
335-76-2	Perfluorodecanoic acid (PFDA)		0.76	2.1	
2991-50-6	N-EtFOSAA		0.72	2.1	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.70	2.1	
2355-31-9	N-MeFOSAA		0.68	2.1	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.65	2.1	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.62	2.1	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.54	2.1	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.92	2.1	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.79	2.1	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.95	2.1	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.85	2.1	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 2:57 PM	Data File	22D0549-15.d
Sample Type	Sample	Sample Name	22D0549-15
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

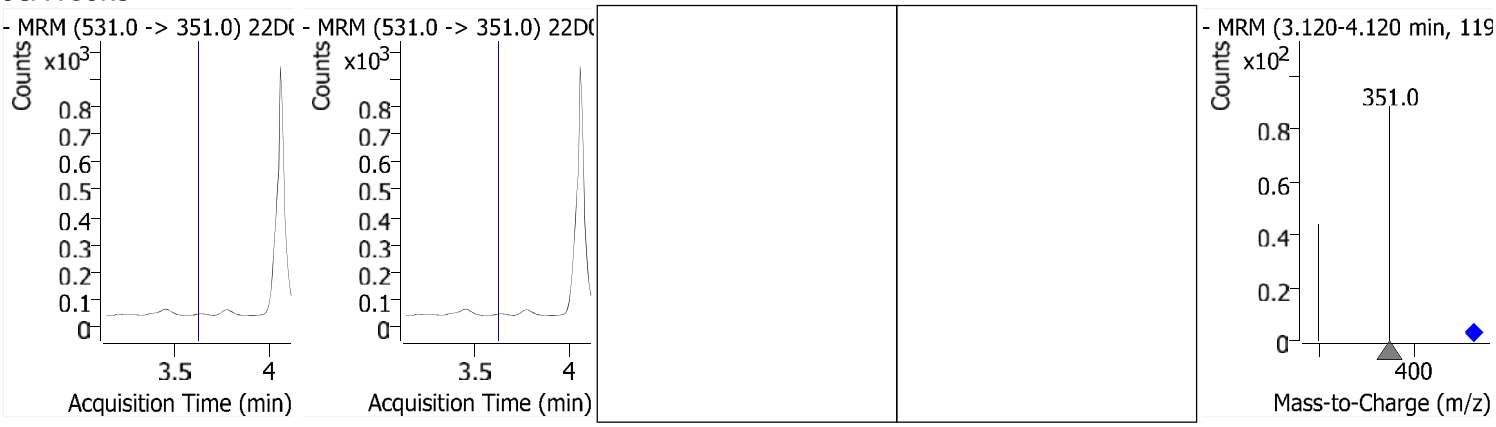


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	315768	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	315768	ND	pg/ml			
ADONA			PFOA C13	3.162	818467	ND	pg/ml			
d5-N-EtFOSAA	3.831	724246	d3-N-MeFOSAA	3.741	833122	37553.3170	pg/ml			
HFPO-DA	2.024	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	833122	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	833122	ND	pg/ml			
PFBS			PFOS C13	3.458	315768	ND	pg/ml			
PFDA C13	3.653	695399	PFOA C13	3.162	818467	9855.3802	pg/ml			
PFDA	3.785	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.224	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	818467	ND	pg/ml			
PFHxA C13	1.822	833955	PFOA C13	3.162	818467	11135.3683	pg/ml			
PFHxA			PFOA C13	3.162	818467	ND	pg/ml			
PFHxS			PFOS C13	3.458	315768	ND	pg/ml			
PFNA	3.787	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.171	3344	PFOA C13	3.162	818467	40.3289	pg/ml	✔	3	DRL 04/14/22
PFOS			PFOS C13	3.458	315768	ND	pg/ml			
M3HFPO-DA	2.048	83865	PFOA C13	3.162	818467	11010.3627	pg/ml			
PFTA	4.445	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.780	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.111	0	PFOA C13	3.162	818467	ND	pg/ml	✔	1	DRL 04/14/22

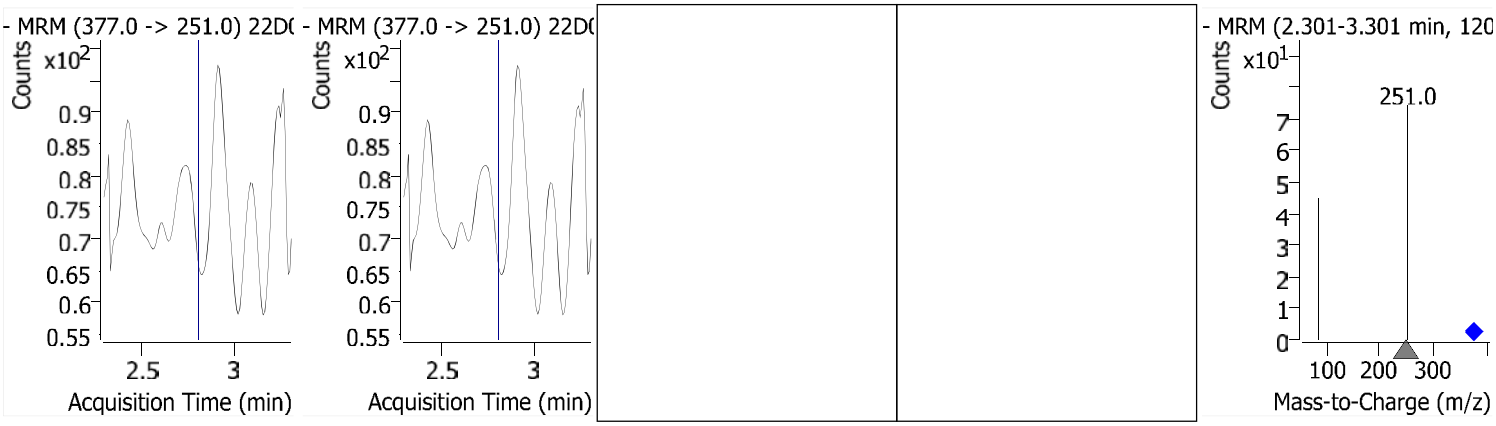
11Cl-PF3OUdS



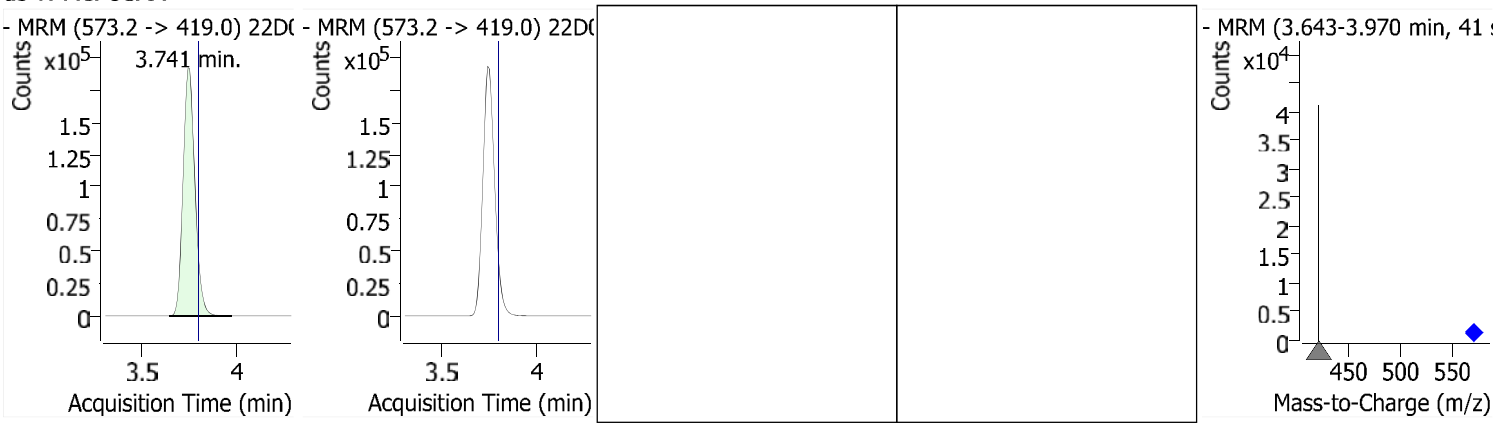
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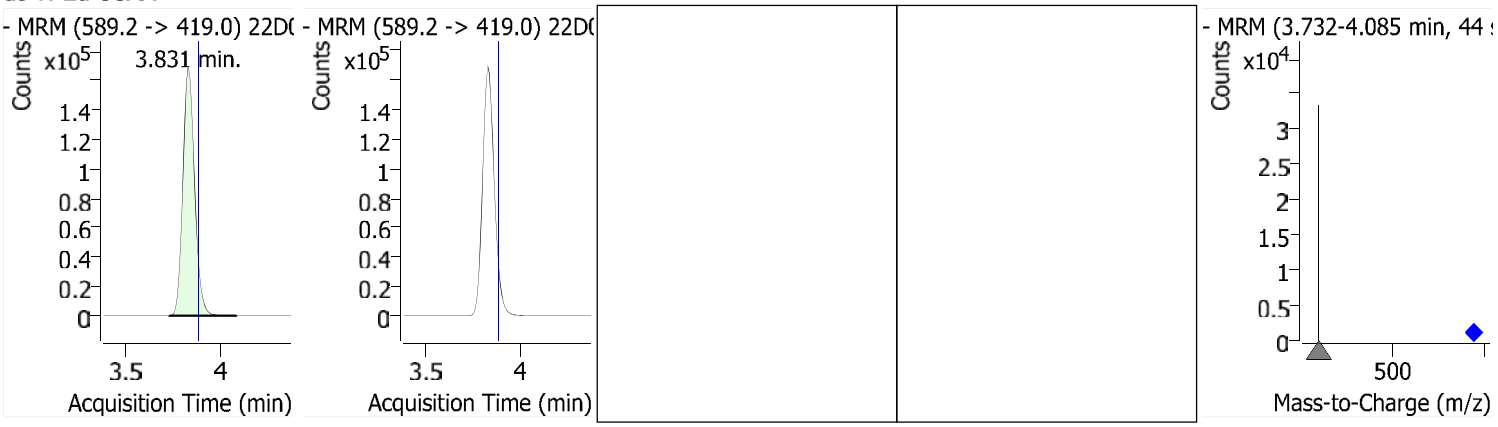
ADONA



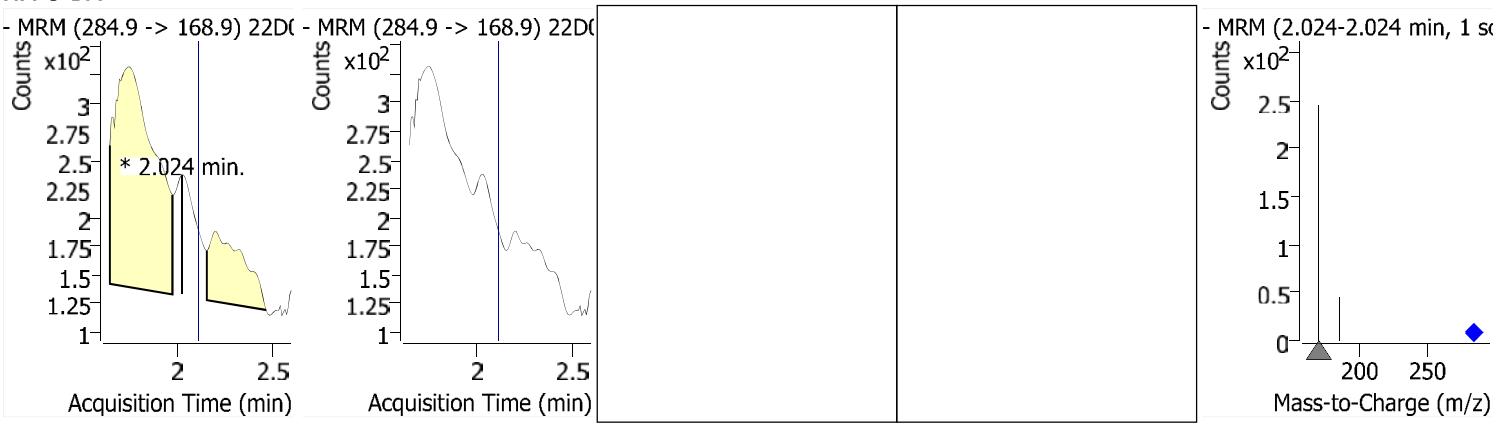
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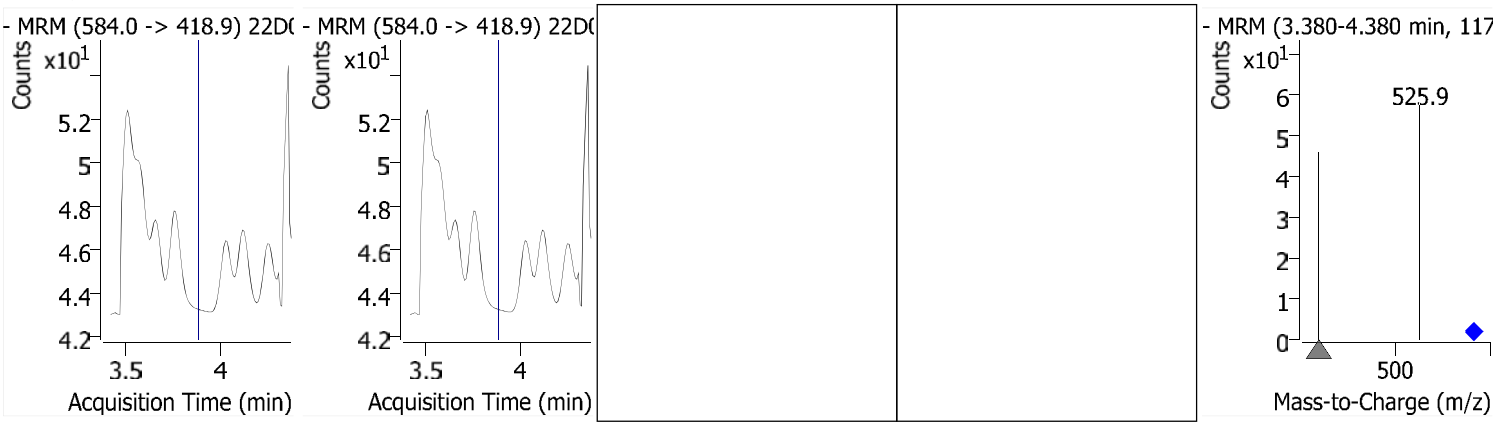
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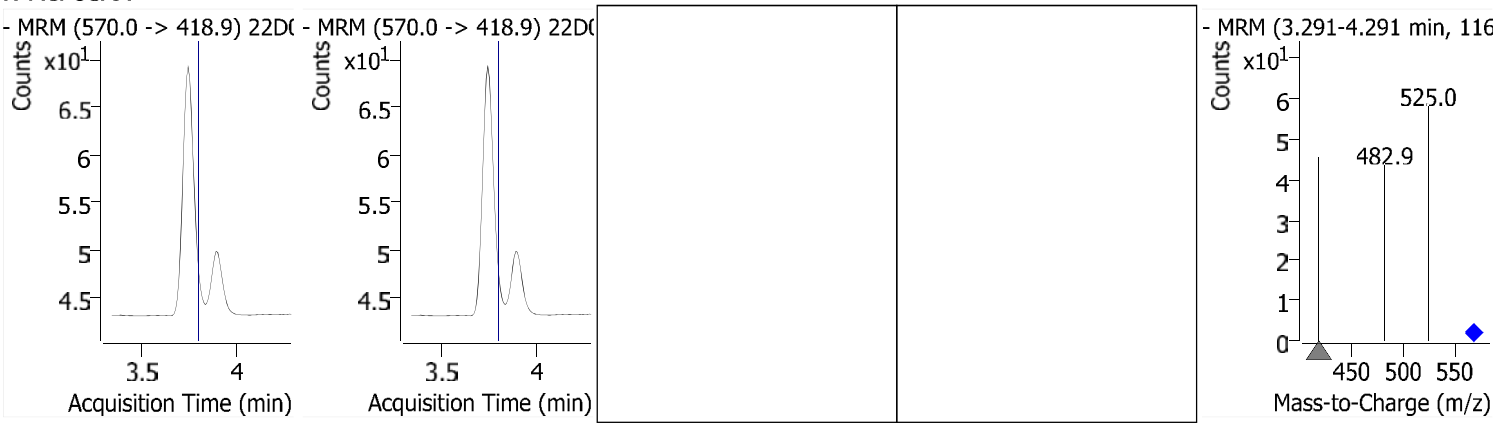
HFPO-DA



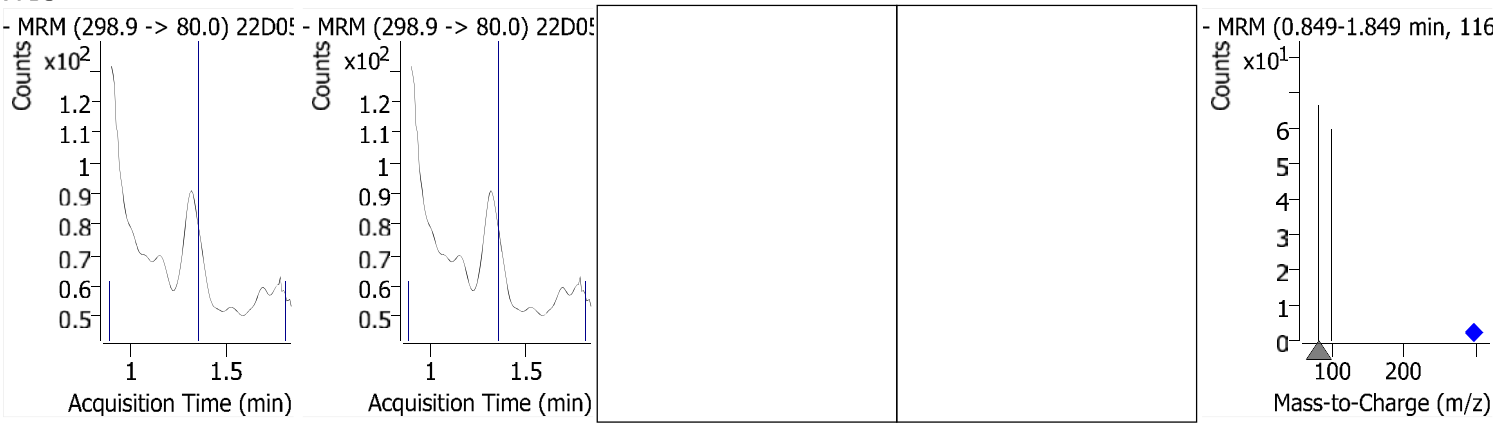
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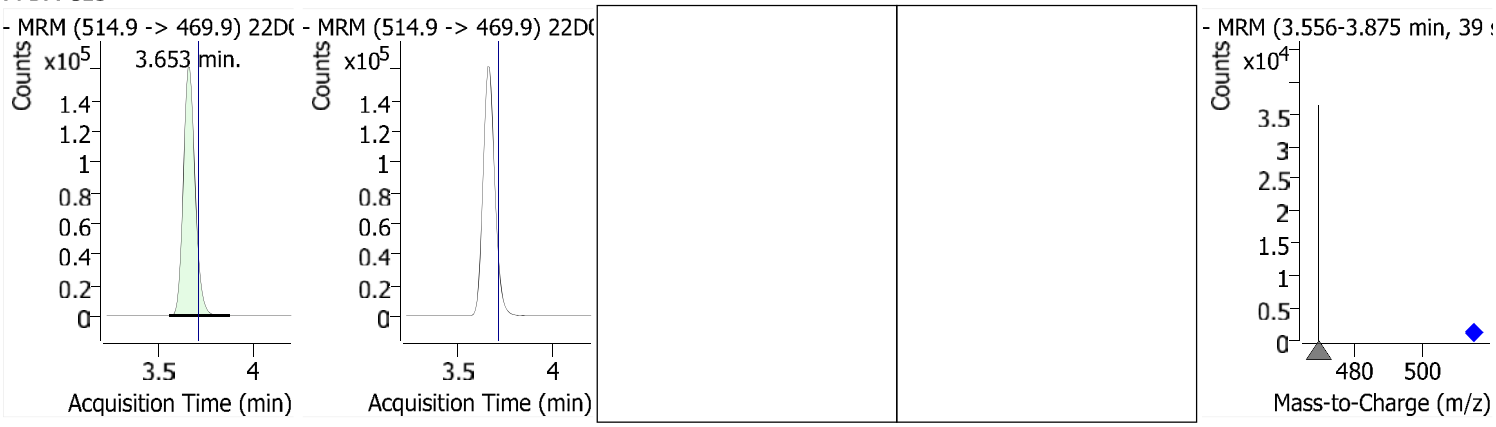
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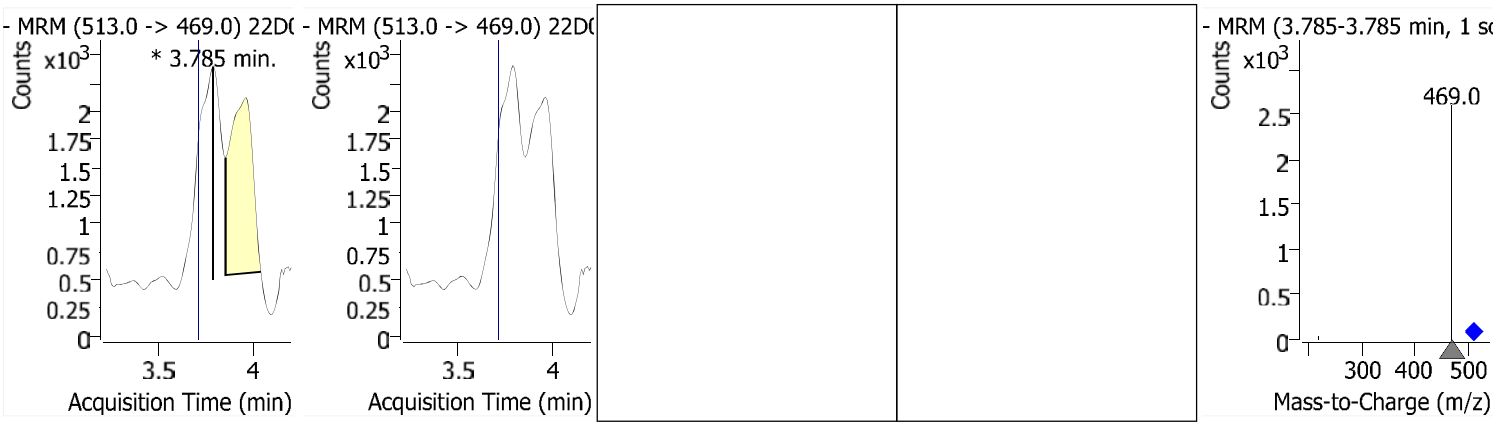
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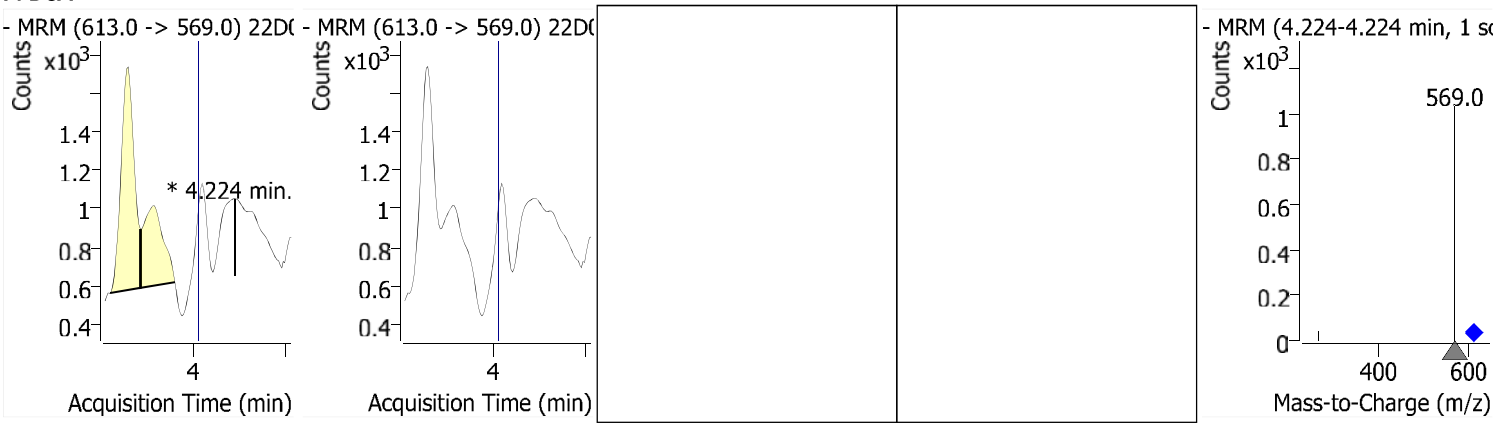
PFDA C13



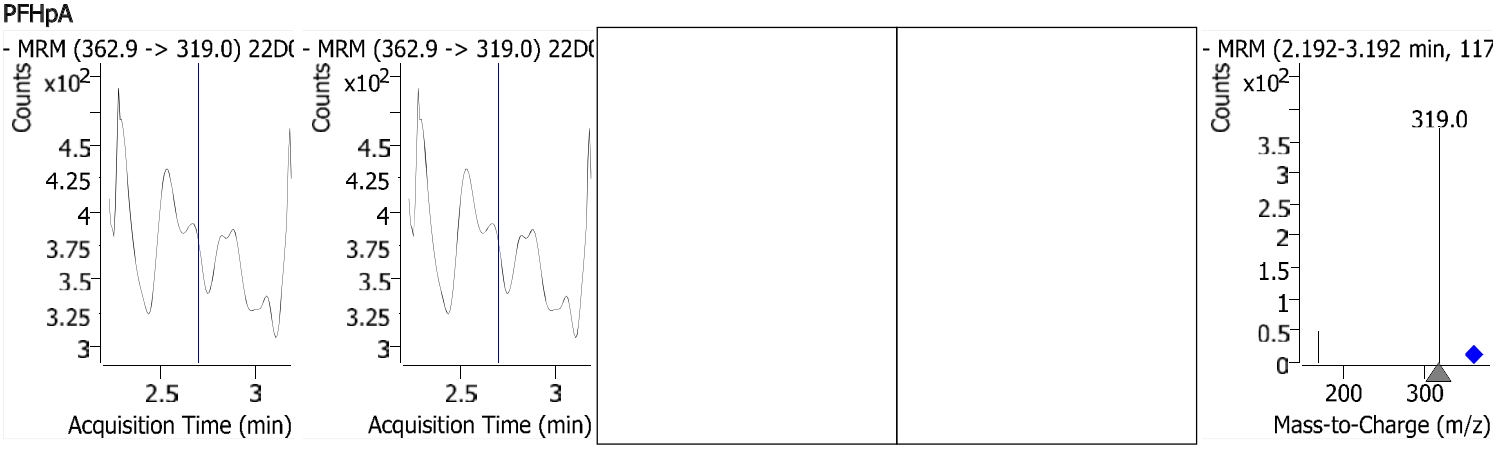
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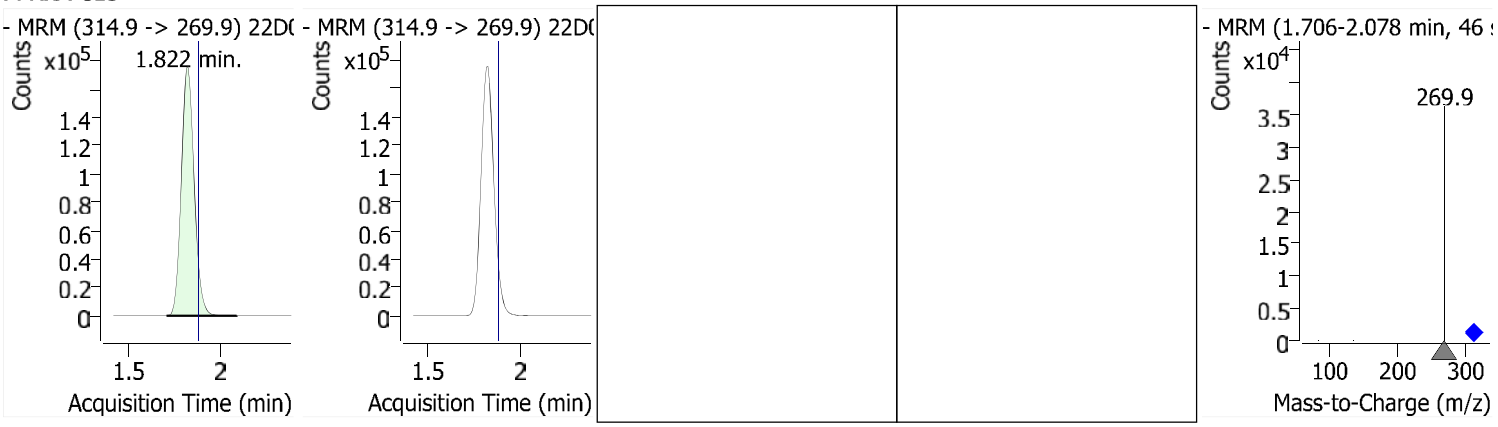
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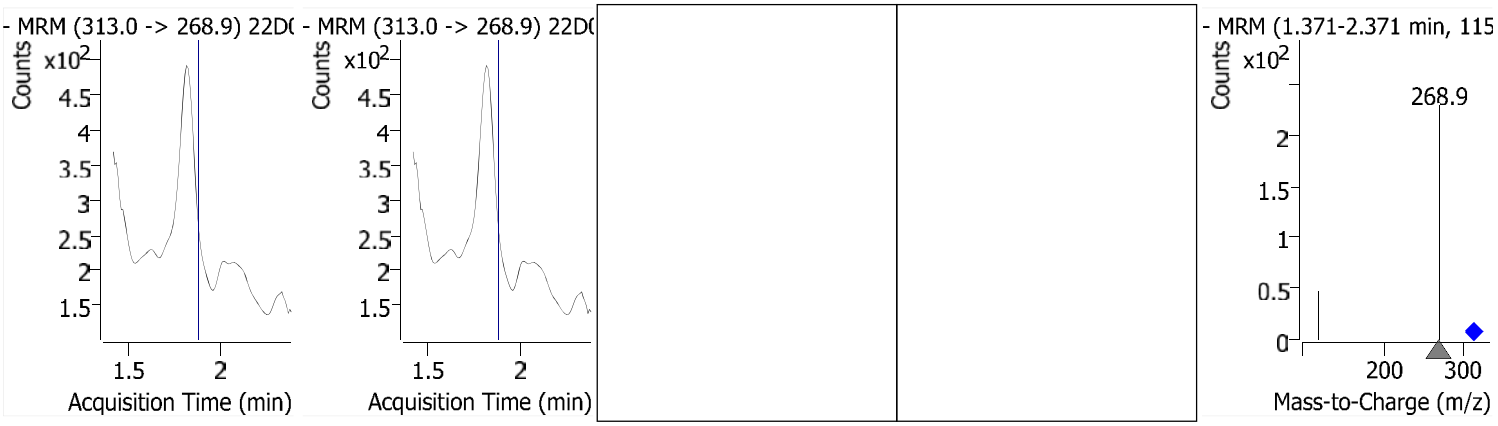
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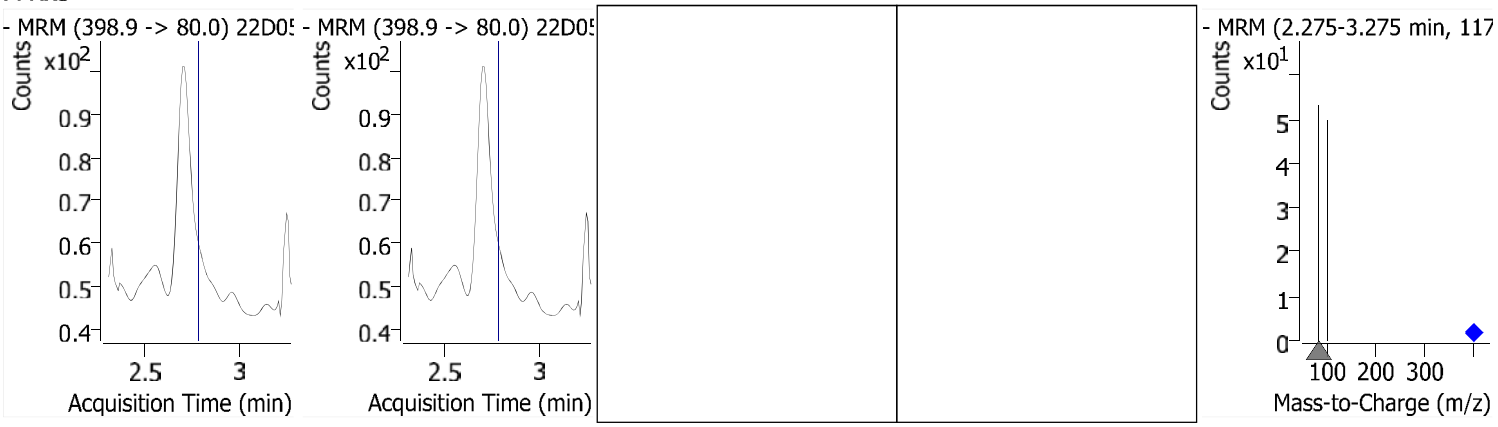
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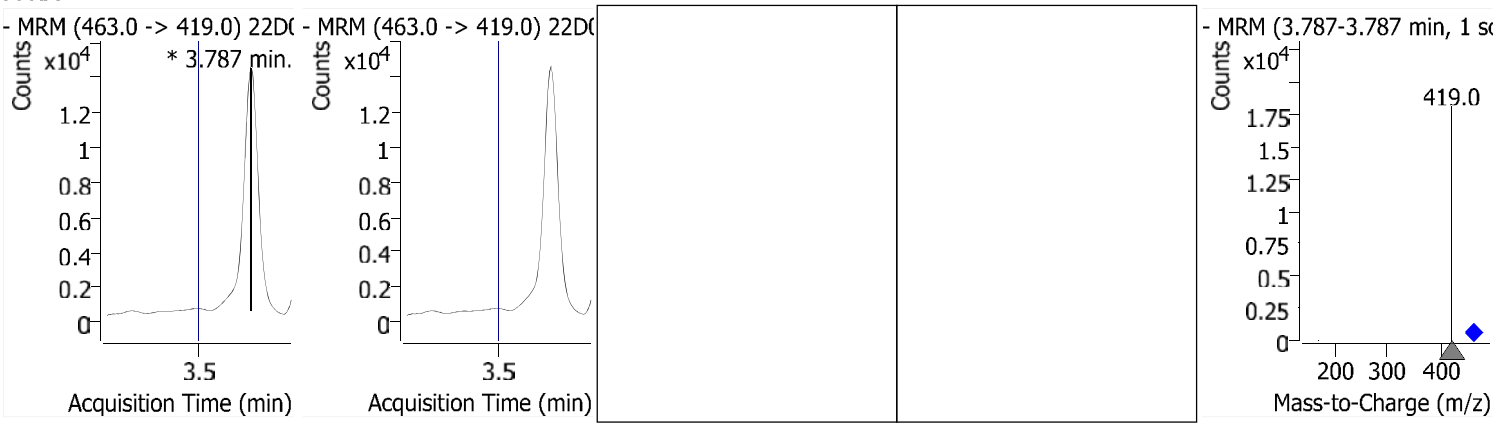
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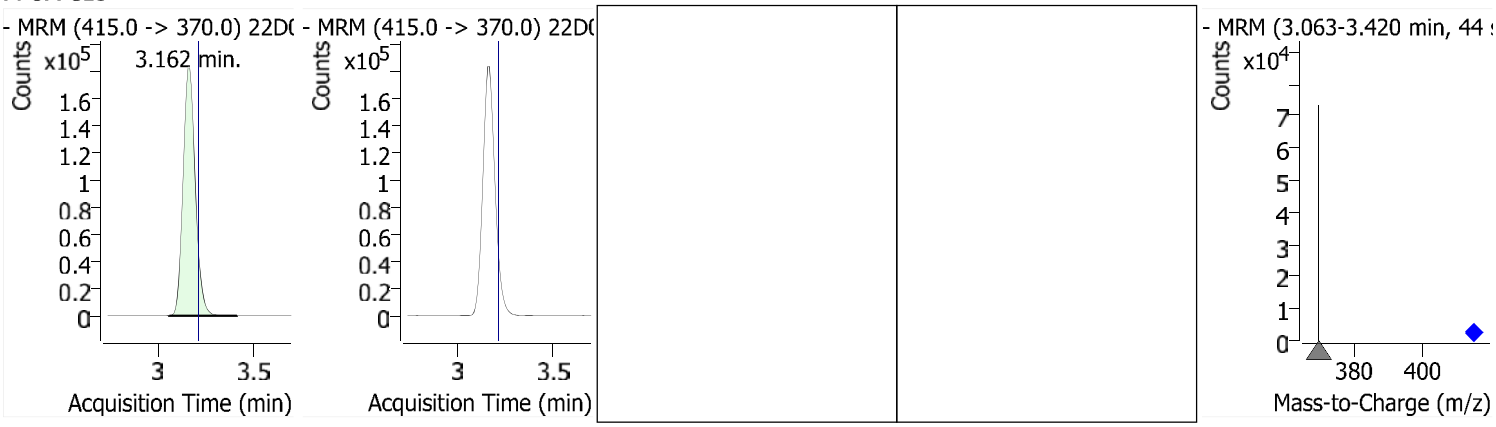
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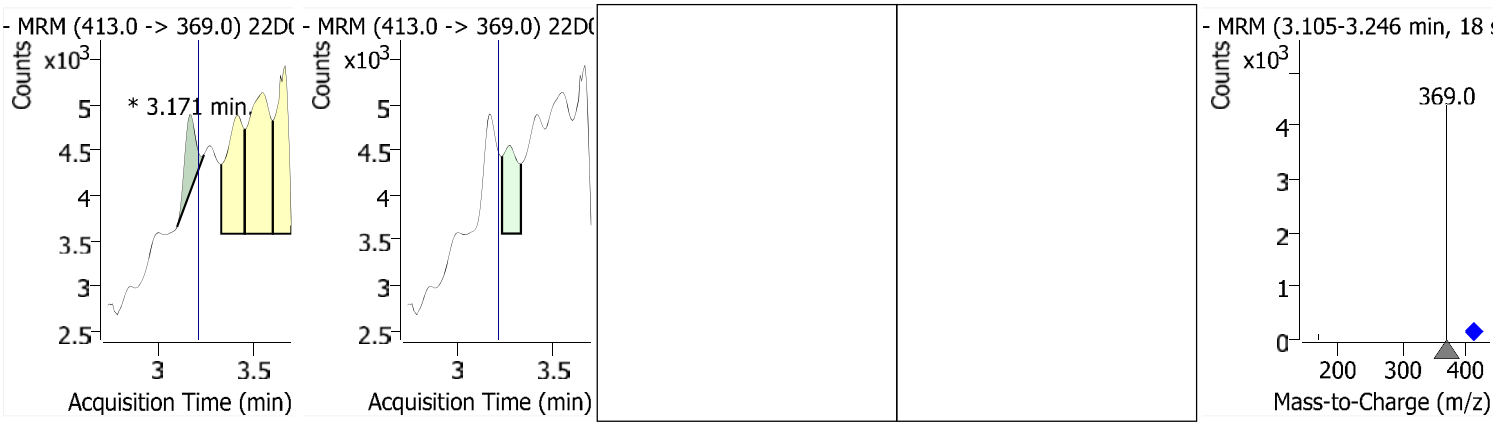
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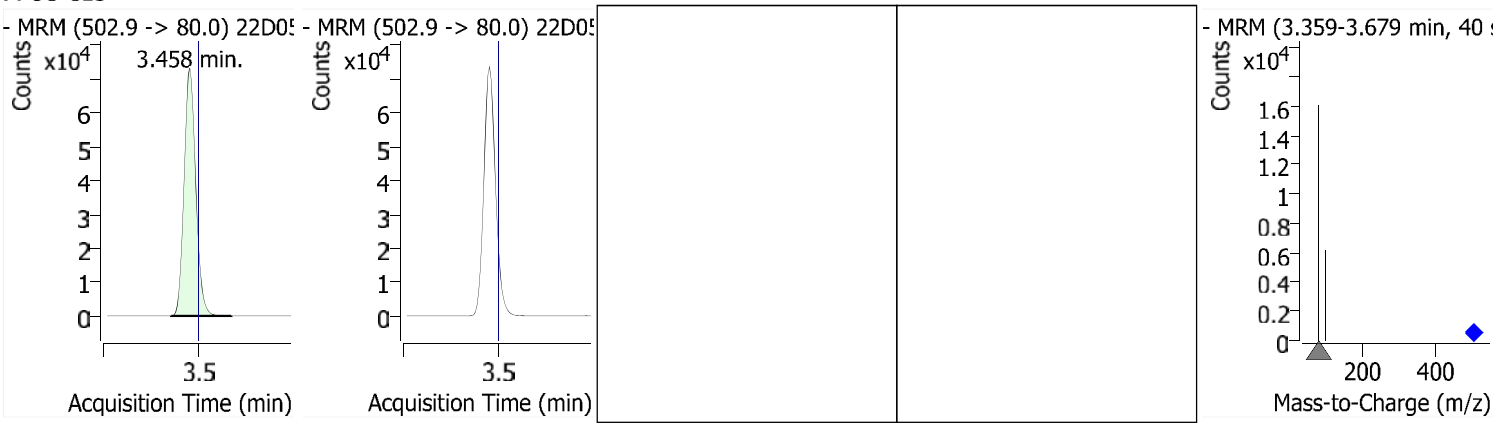
PFOA C13



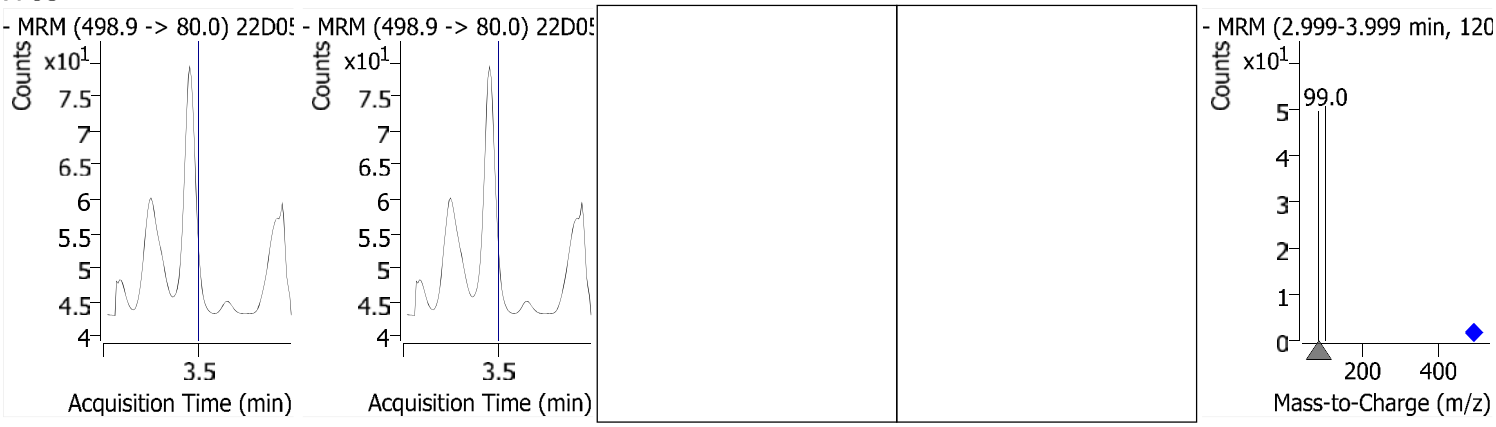
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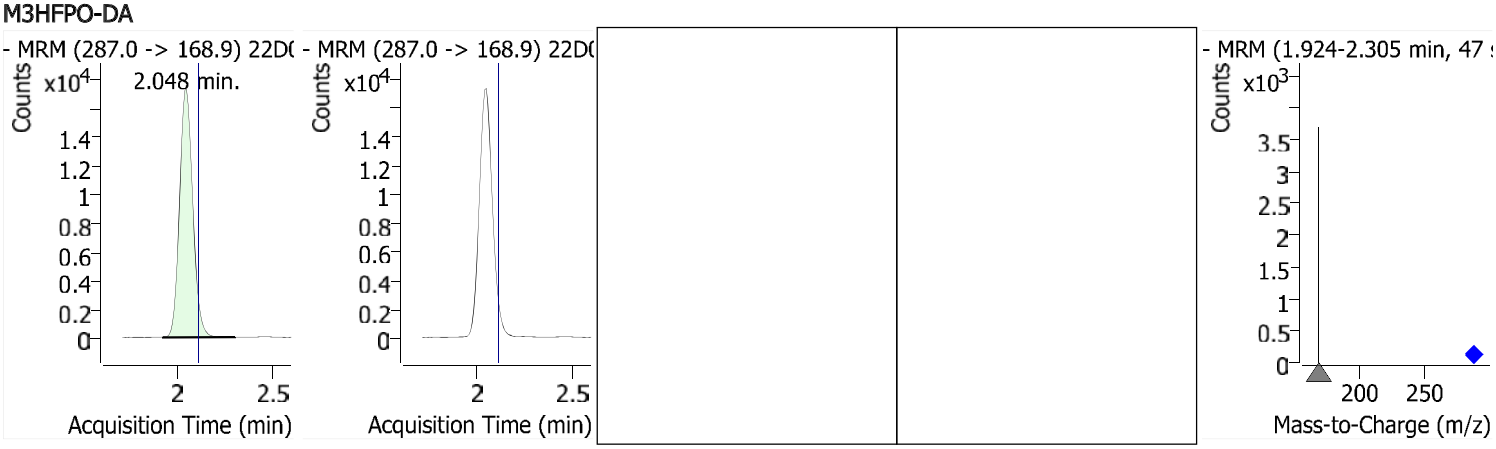
PFOS C13



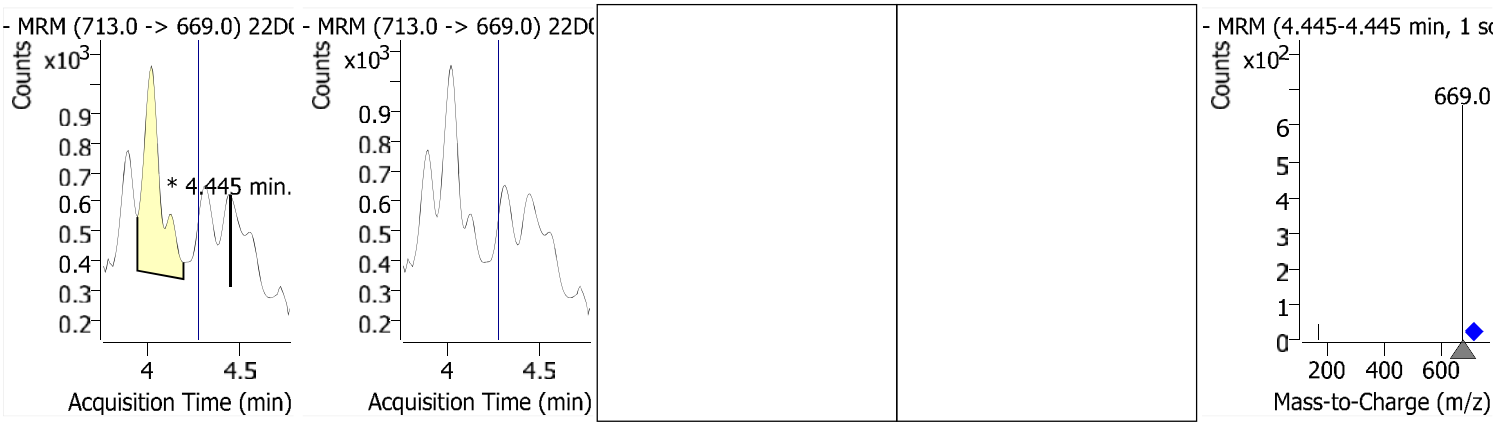
PFOS



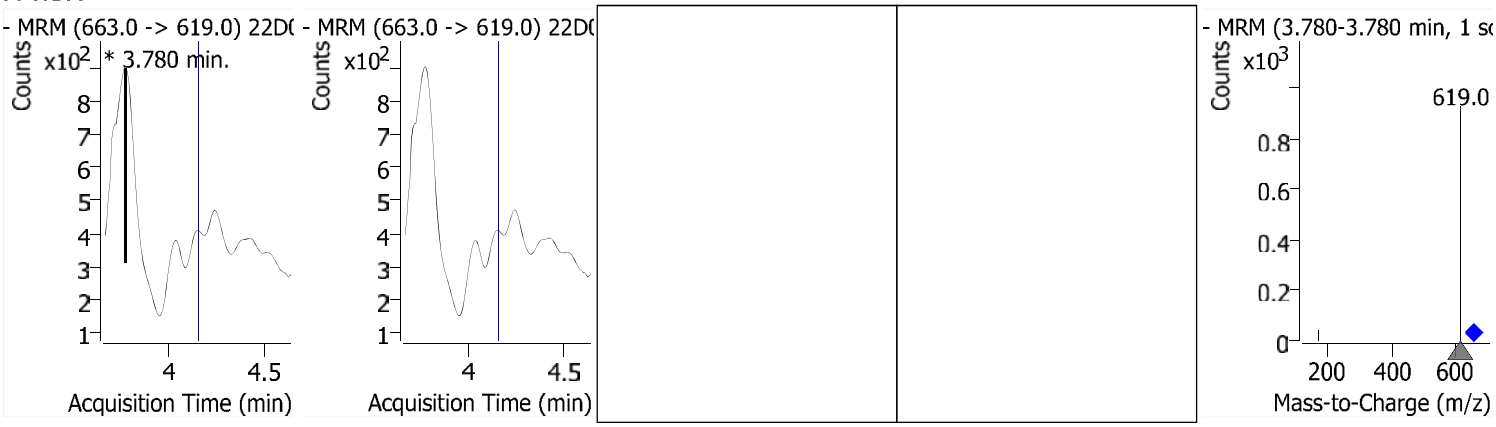
M3HFPO-DA



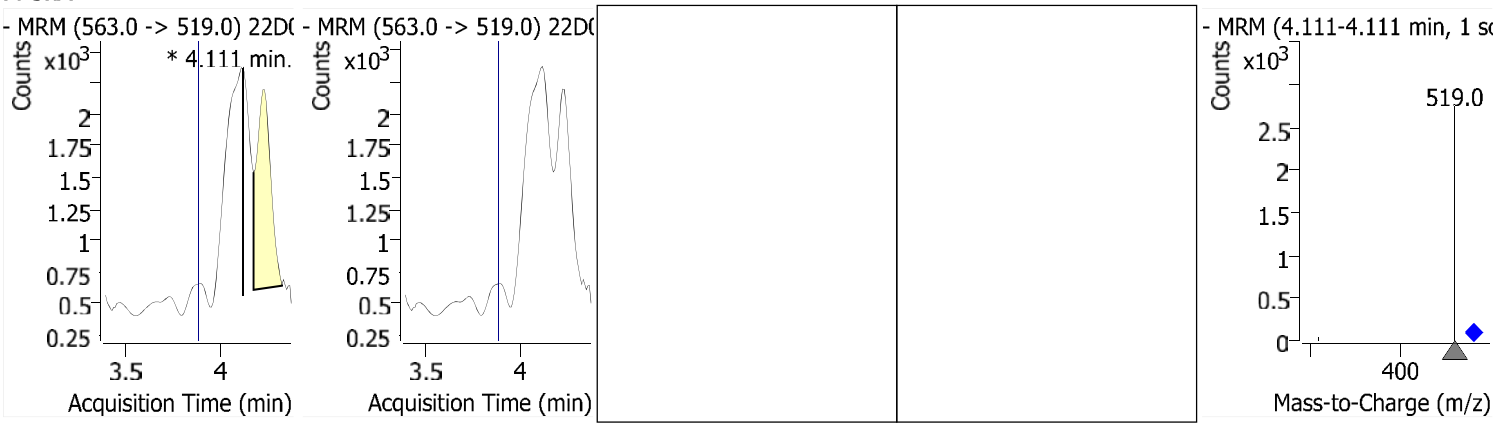
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.111 min.
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
Acquisition Time (min)
- MRM (4.111-4.111 min, 1 s(
Counts
x10^3
519.0
Mass-to-Charge (m/z)

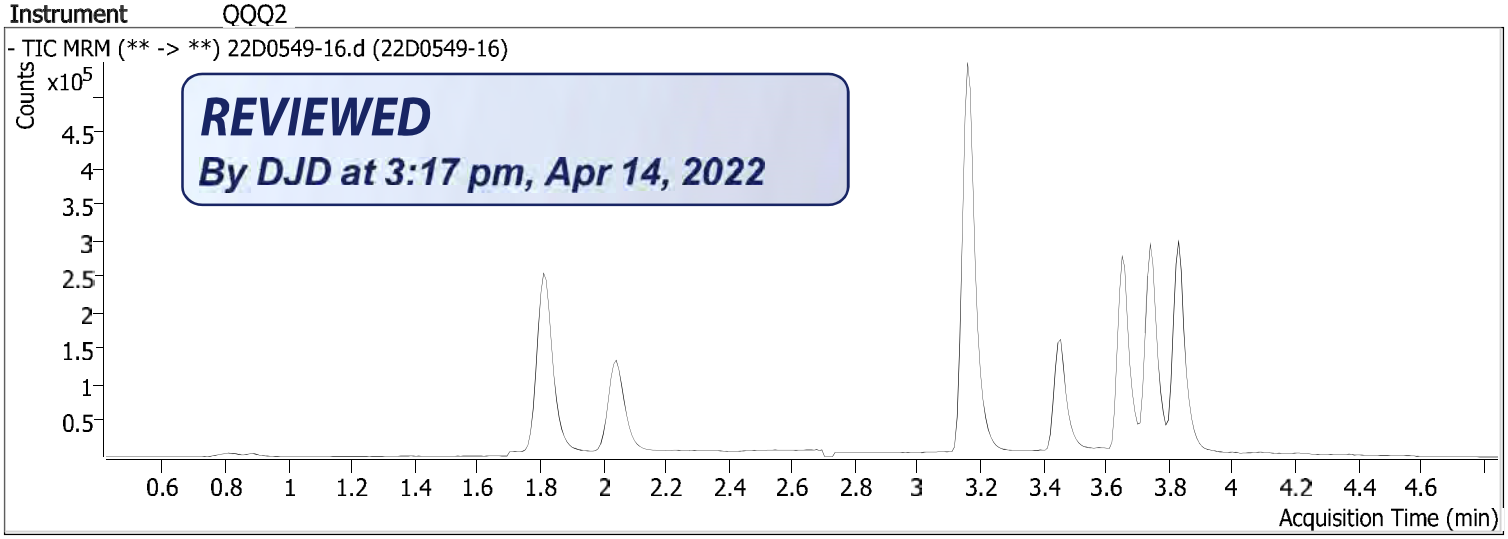
1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-16	File ID:	22D0549-16.d
Sampled:	04/05/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 15:04
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	265.44 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

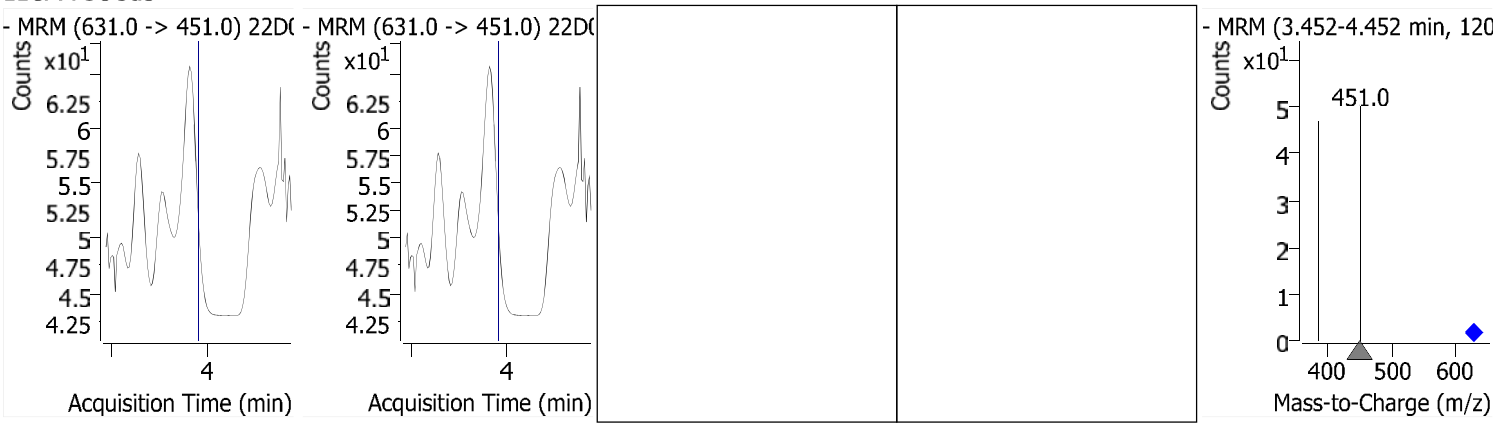
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.84	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.64	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.89	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.82	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.66	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.64	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.59	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.49	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.86	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 3:04 PM	Data File	22D0549-16.d
Sample Type	Sample	Sample Name	22D0549-16
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

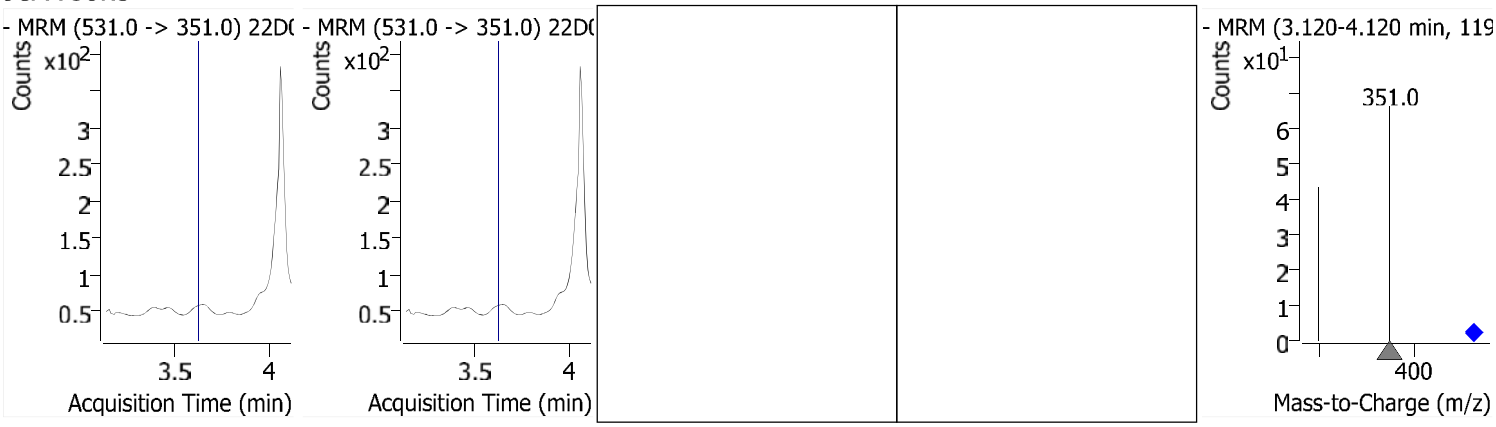


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	302045	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	302045	ND	pg/ml			
ADONA			PFOA C13	3.162	799540	ND	pg/ml			
d5-N-EtFOSAA	3.831	765043	d3-N-MeFOSAA	3.741	750849	44015.2865	pg/ml			
HFPO-DA			PFOA C13	3.162	799540	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	750849	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	750849	ND	pg/ml			
PFBS			PFOS C13	3.458	302045	ND	pg/ml			
PFDA C13	3.661	708069	PFOA C13	3.162	799540	10272.4864	pg/ml			
PFDA	3.727	0	PFOA C13	3.162	799540	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	3.658	0	PFOA C13	3.162	799540	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	799540	ND	pg/ml			
PFHxA C13	1.813	868668	PFOA C13	3.162	799540	11873.4439	pg/ml			
PFHxA			PFOA C13	3.162	799540	ND	pg/ml			
PFHxS			PFOS C13	3.458	302045	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	799540	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.583	0	PFOA C13	3.162	799540	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	302045	ND	pg/ml			
M3HFPO-DA	2.040	85055	PFOA C13	3.162	799540	11430.8456	pg/ml			
PFTA	4.428	0	PFOA C13	3.162	799540	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	799540	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	799540	ND	pg/ml	✔	1	DRL 04/14/22

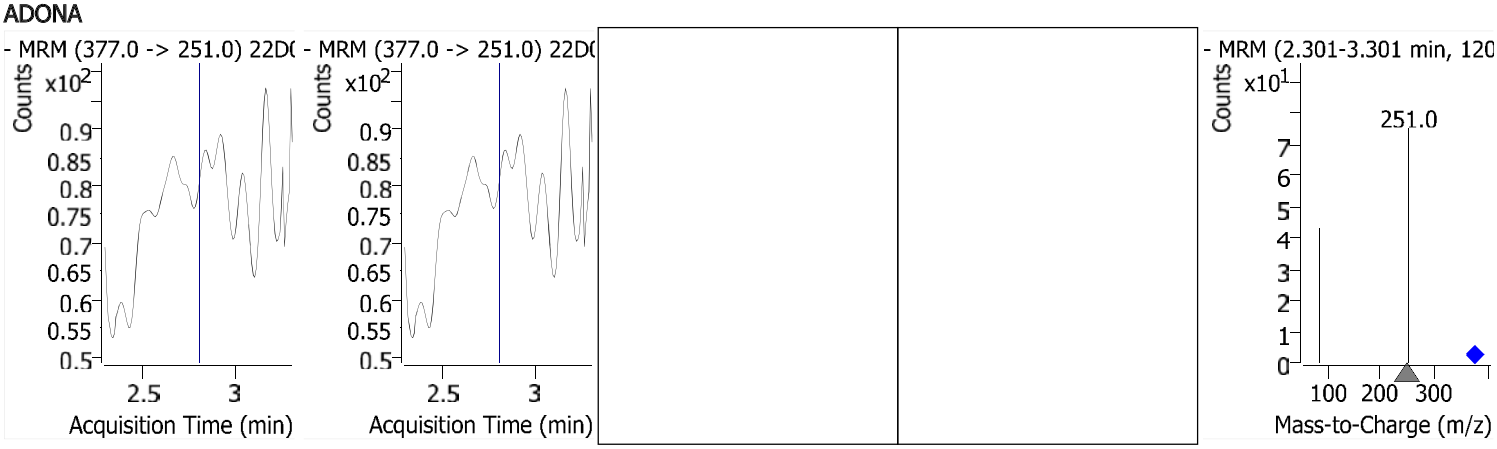
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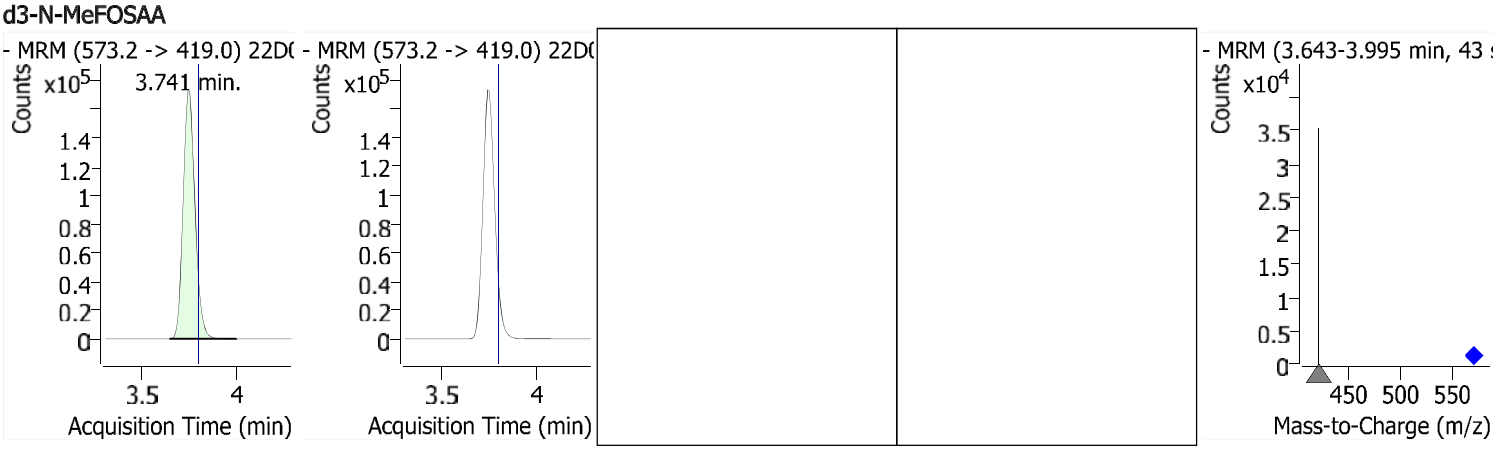
9Cl-PF3ONS



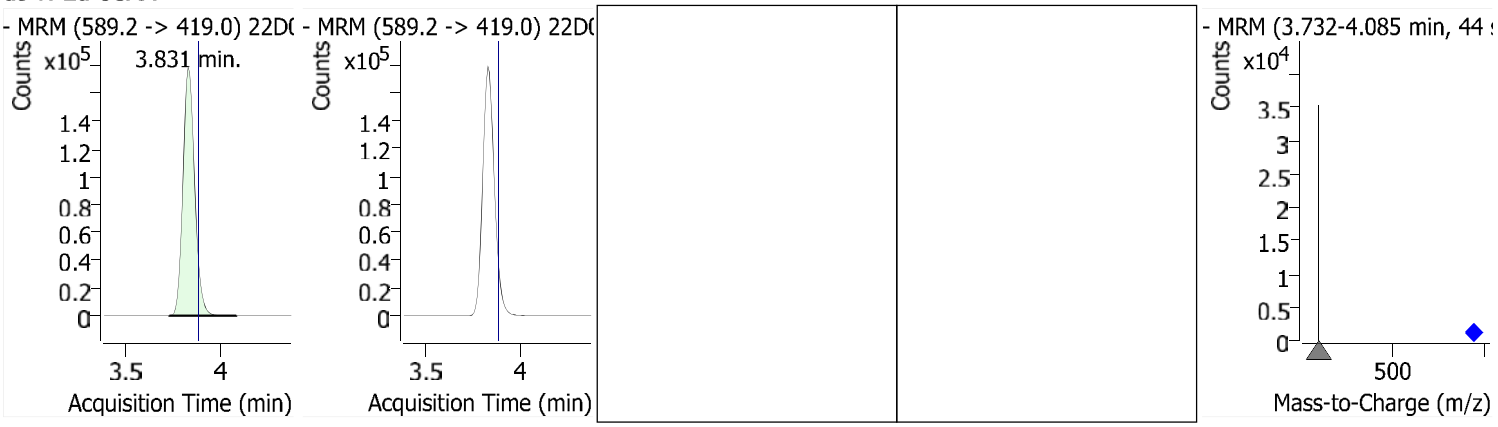
ADONA



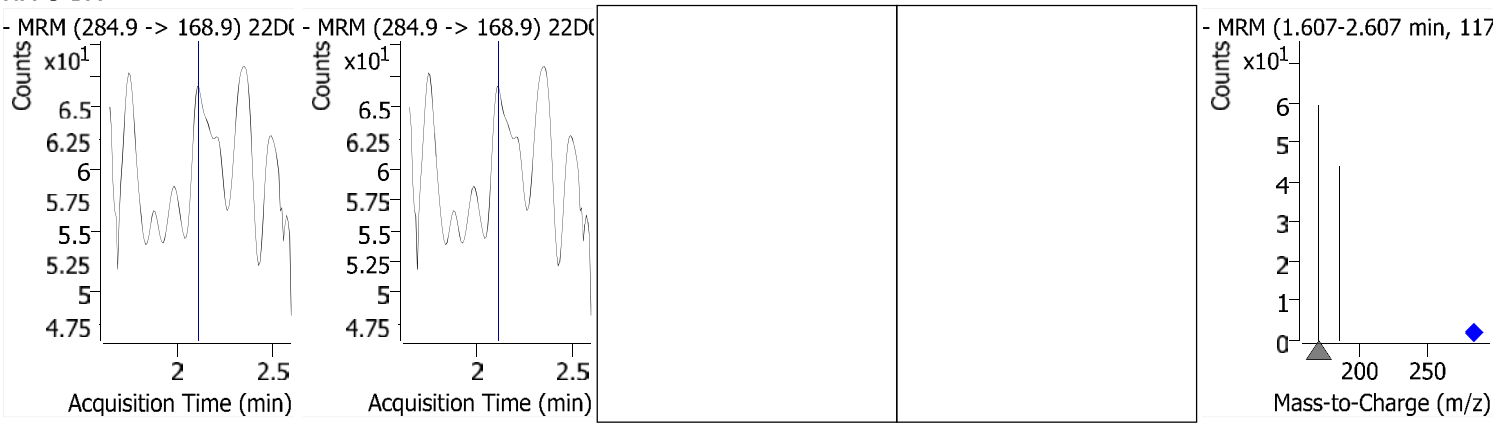
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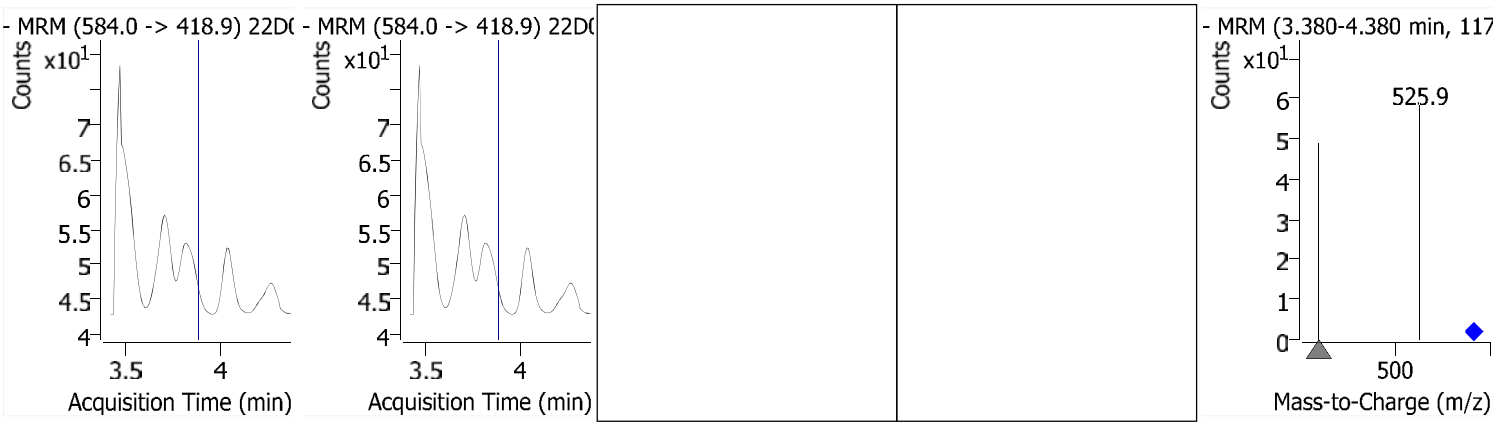
d5-N-EtFOSAA



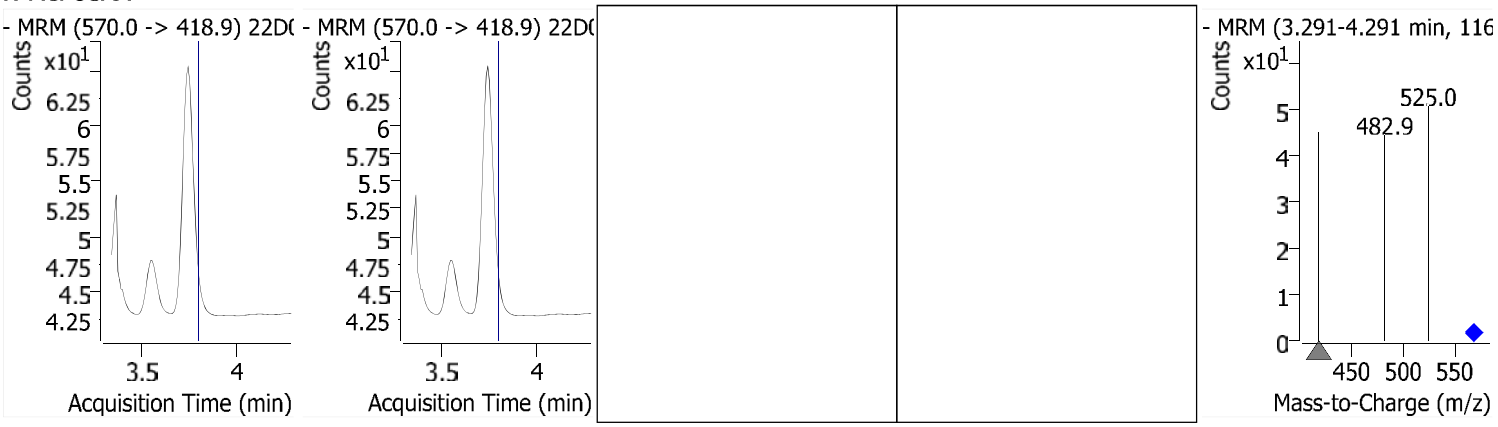
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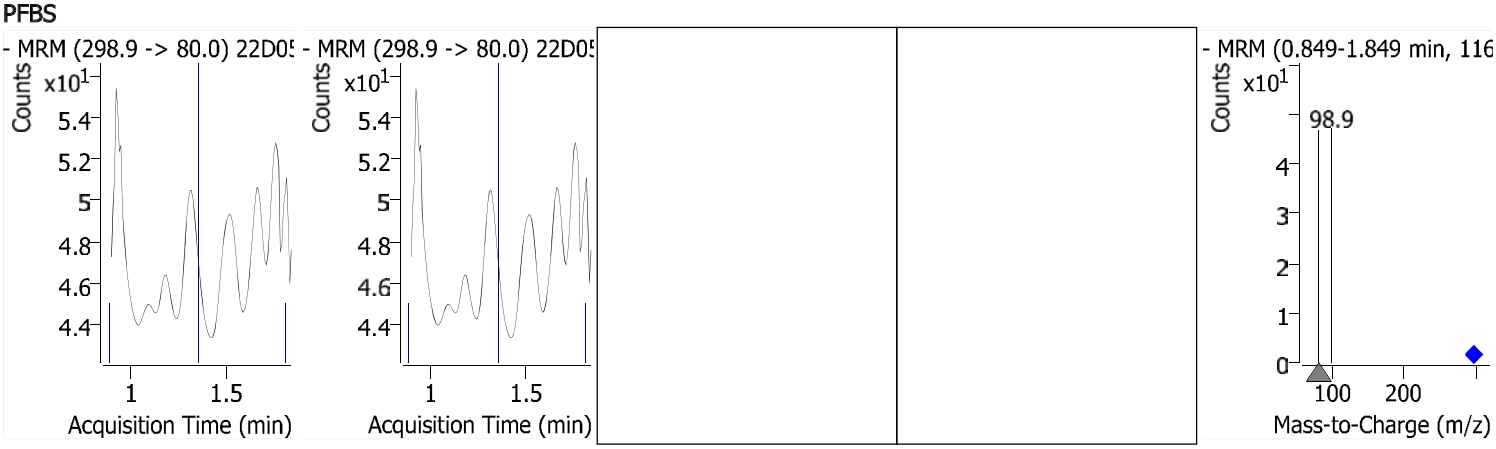
N-EtFOSAA



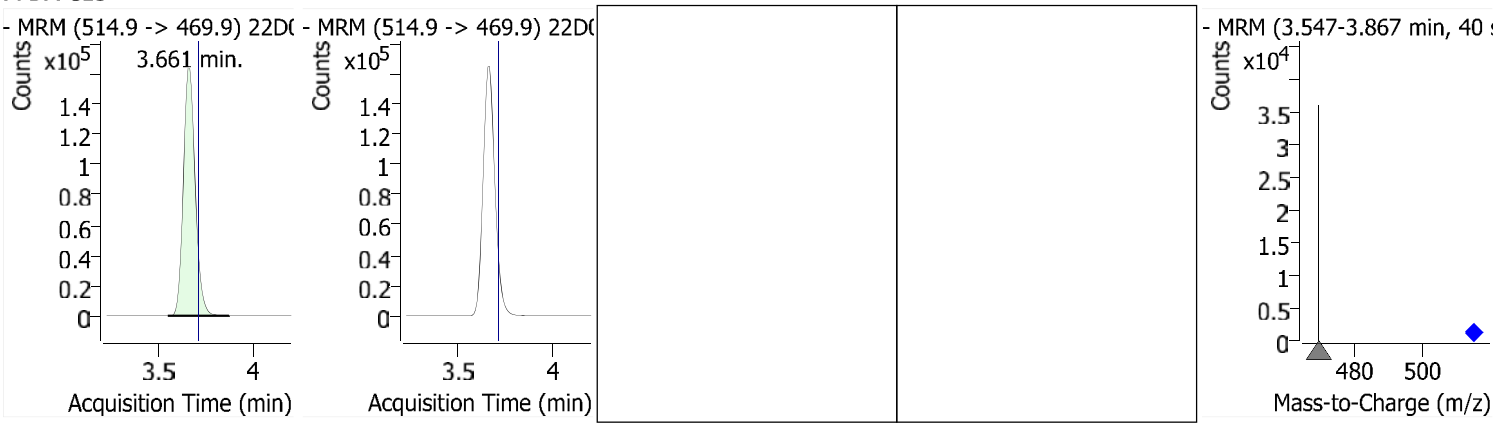
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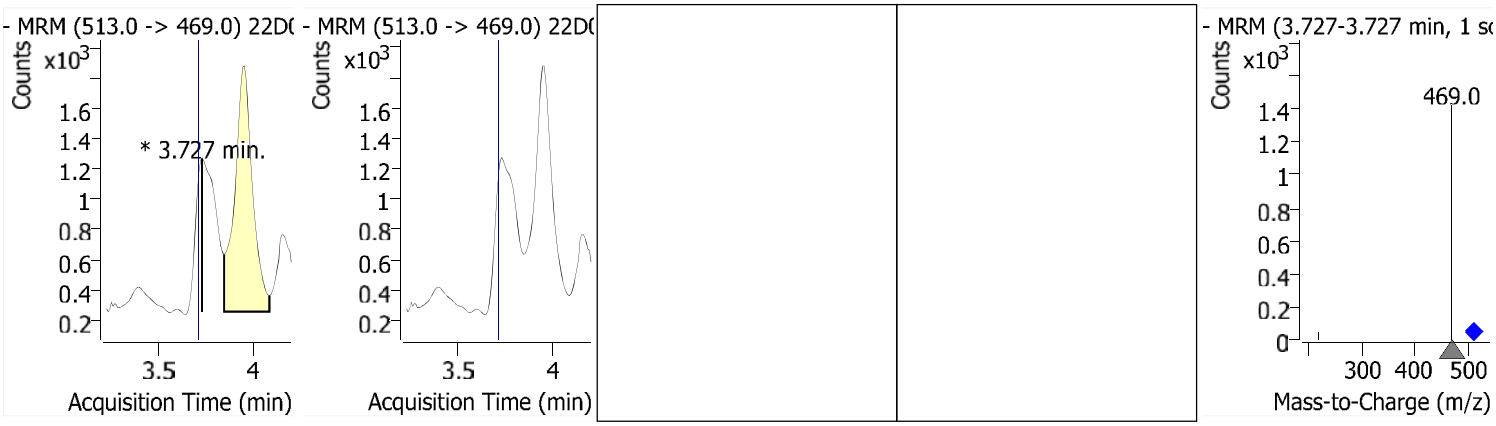
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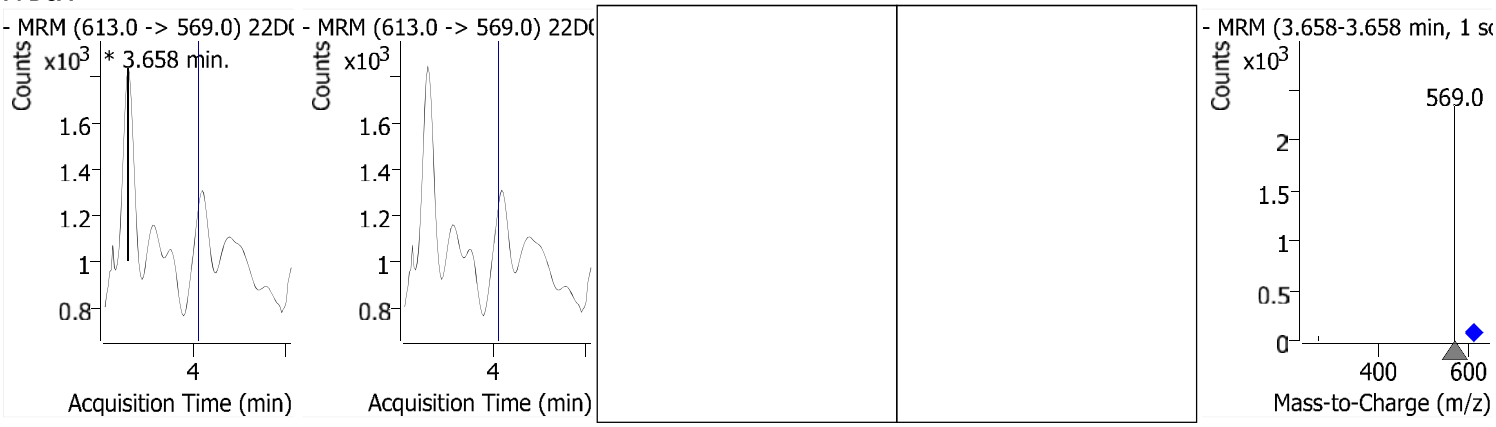
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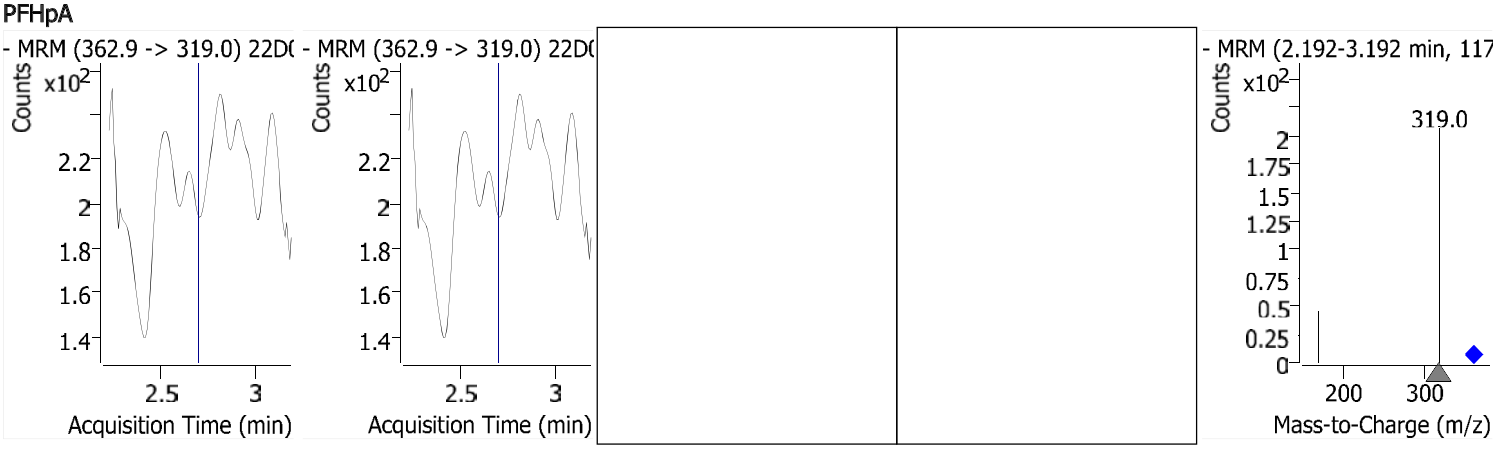
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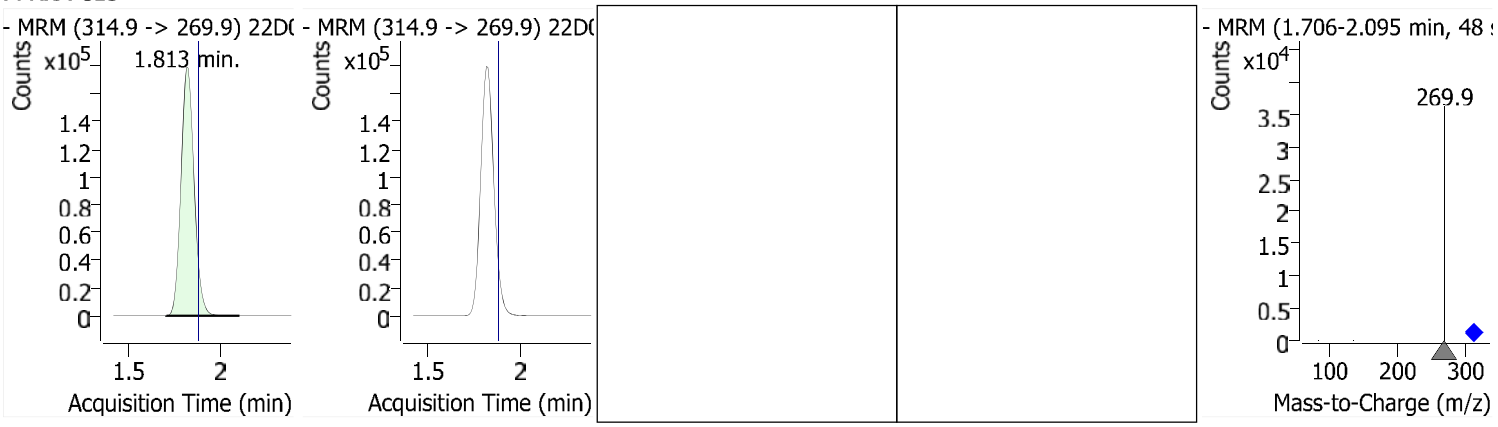
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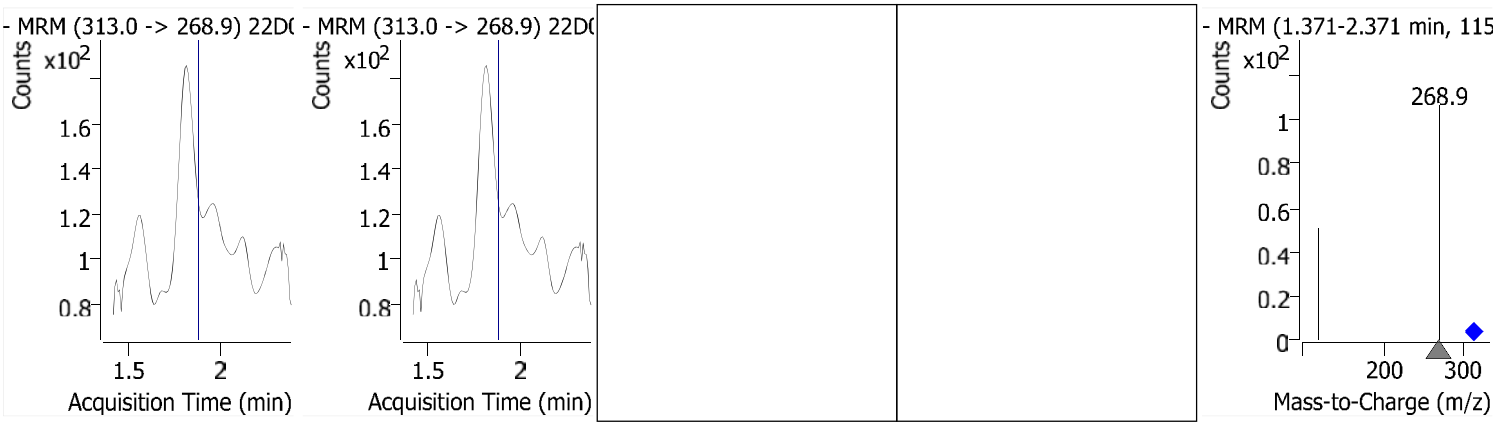
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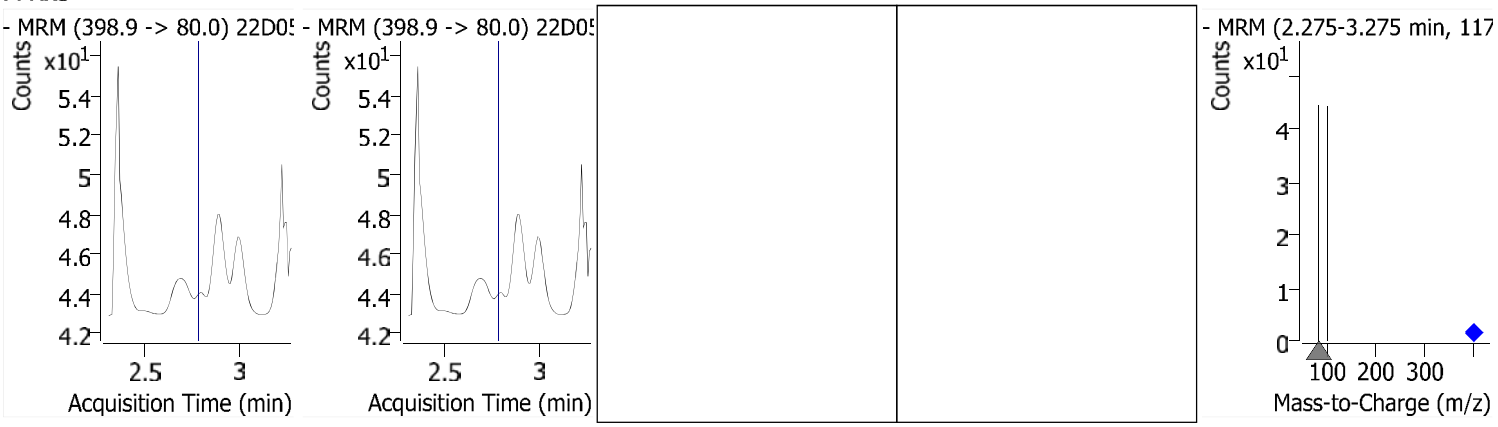
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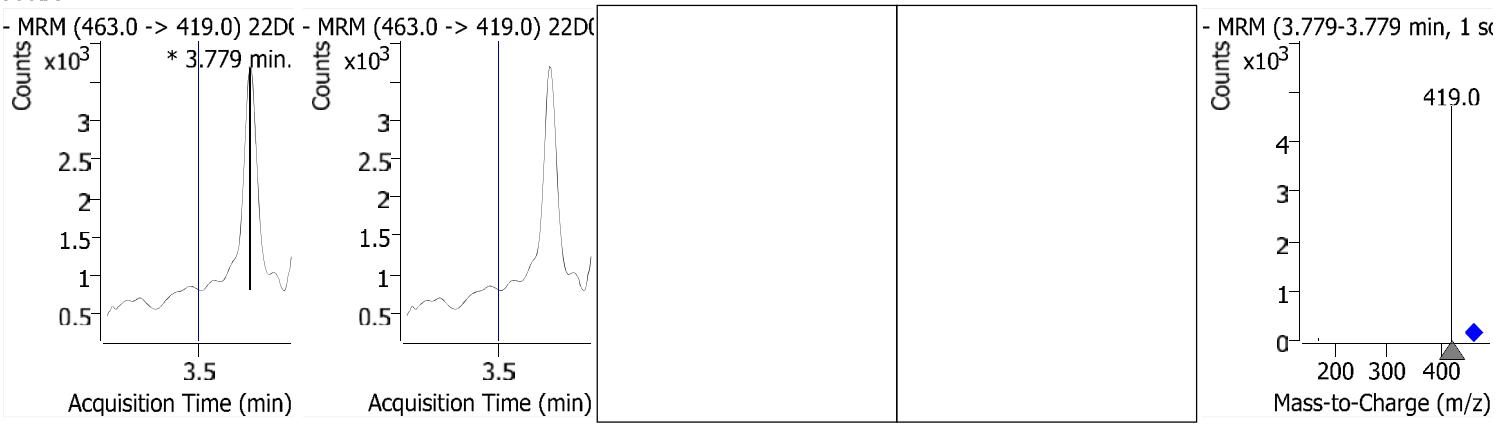
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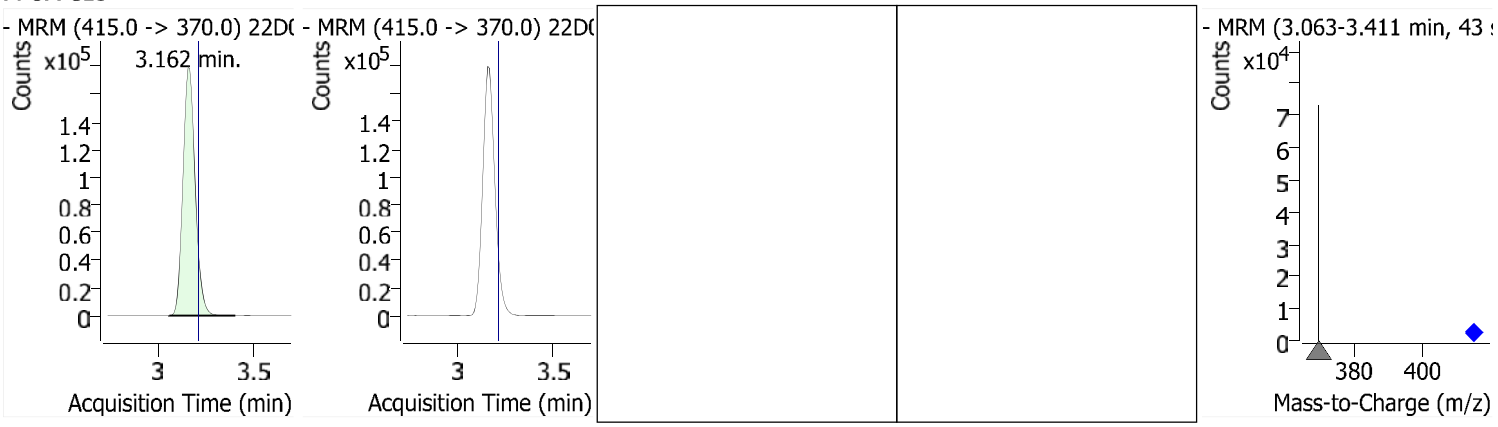
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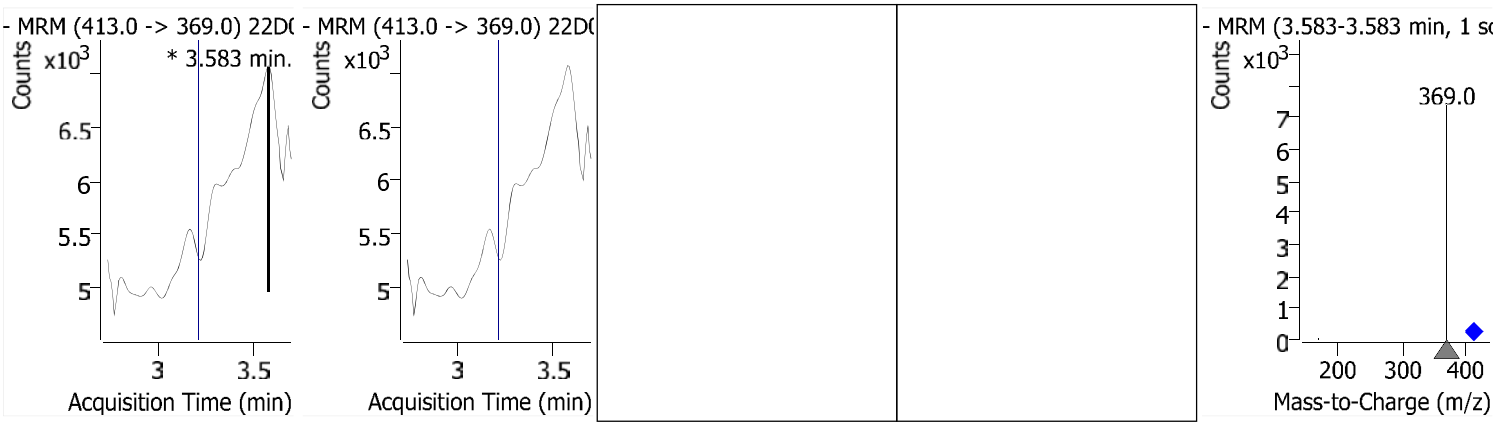
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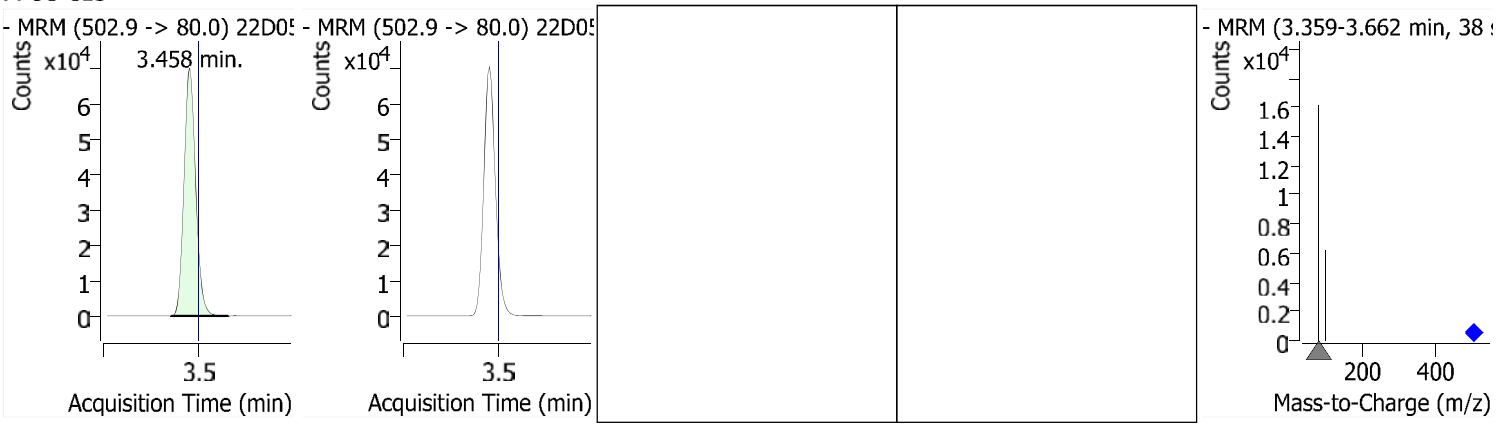
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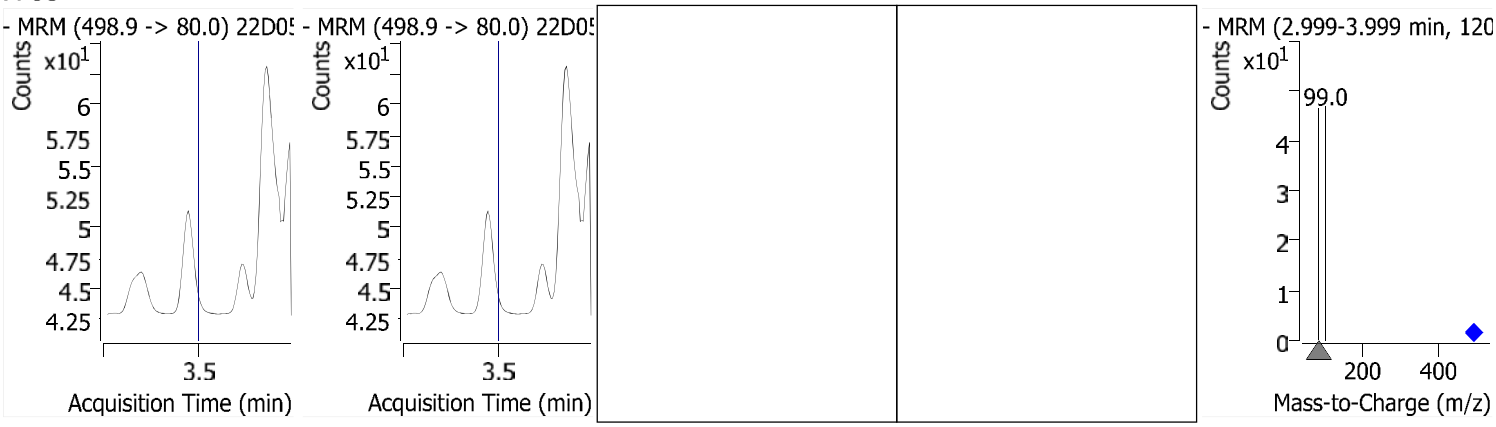
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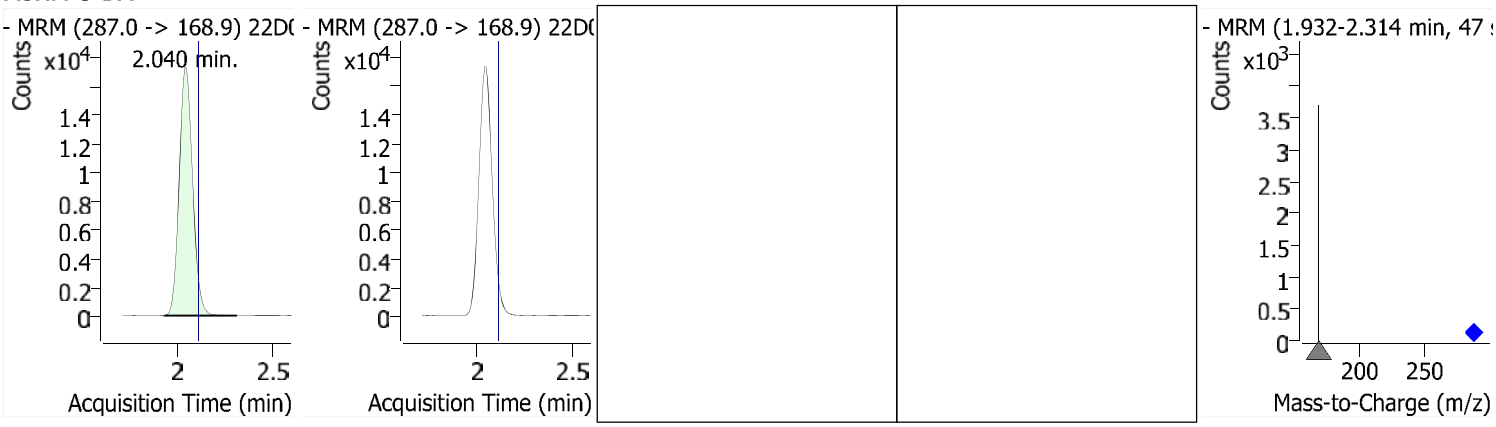
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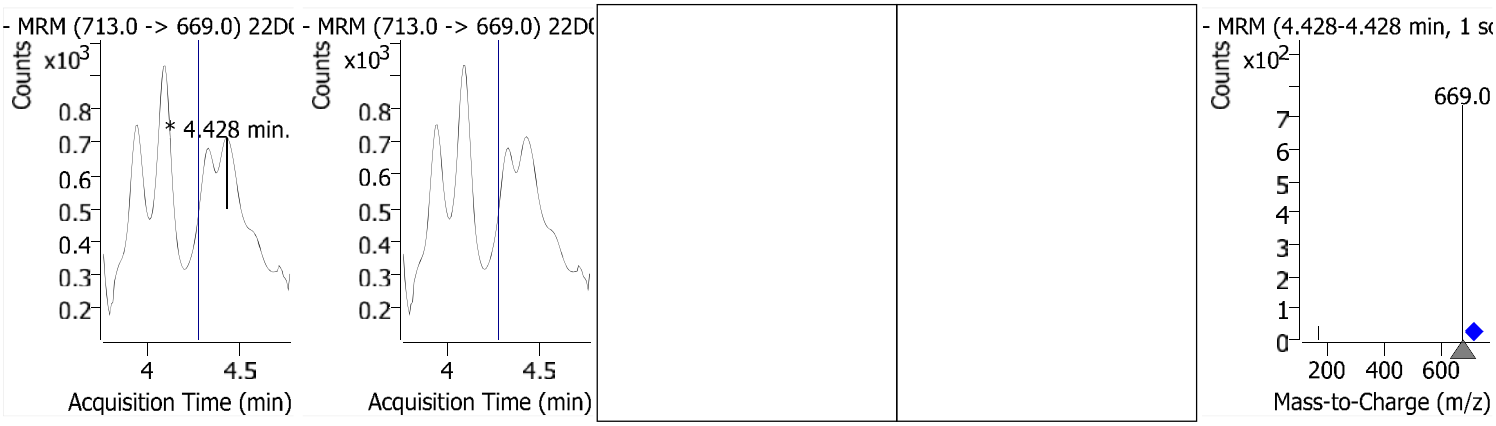
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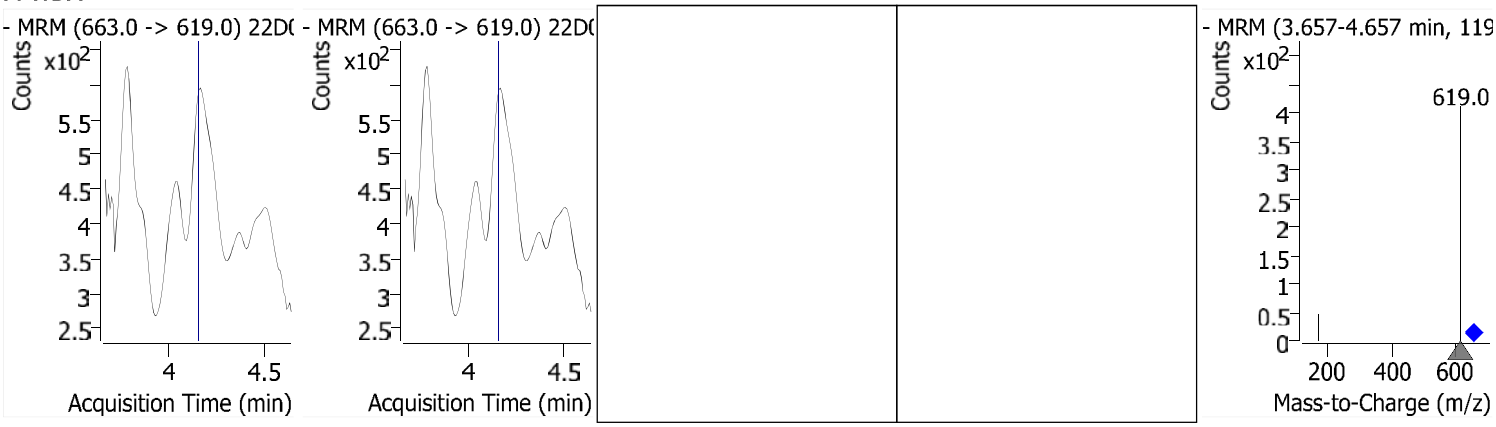
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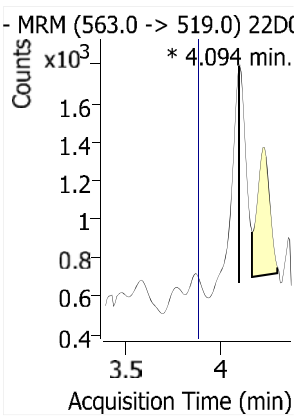
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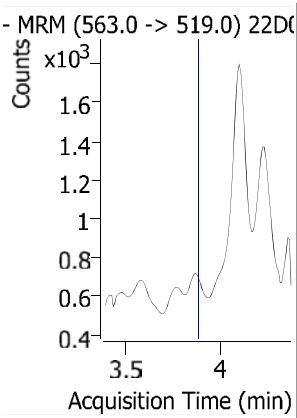


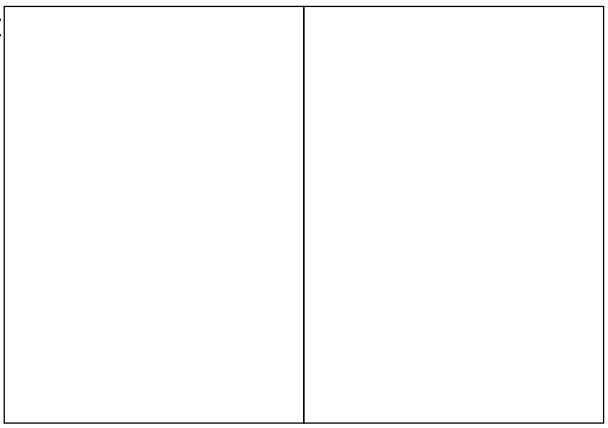
PFTrDA

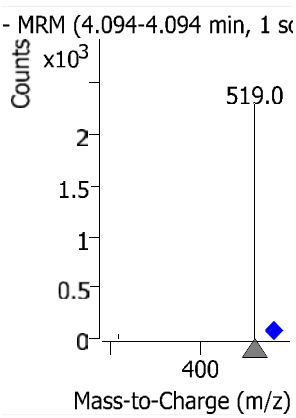


PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)




- MRM (4.094-4.094 min, 1 s
Counts
x10^3
519.0
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

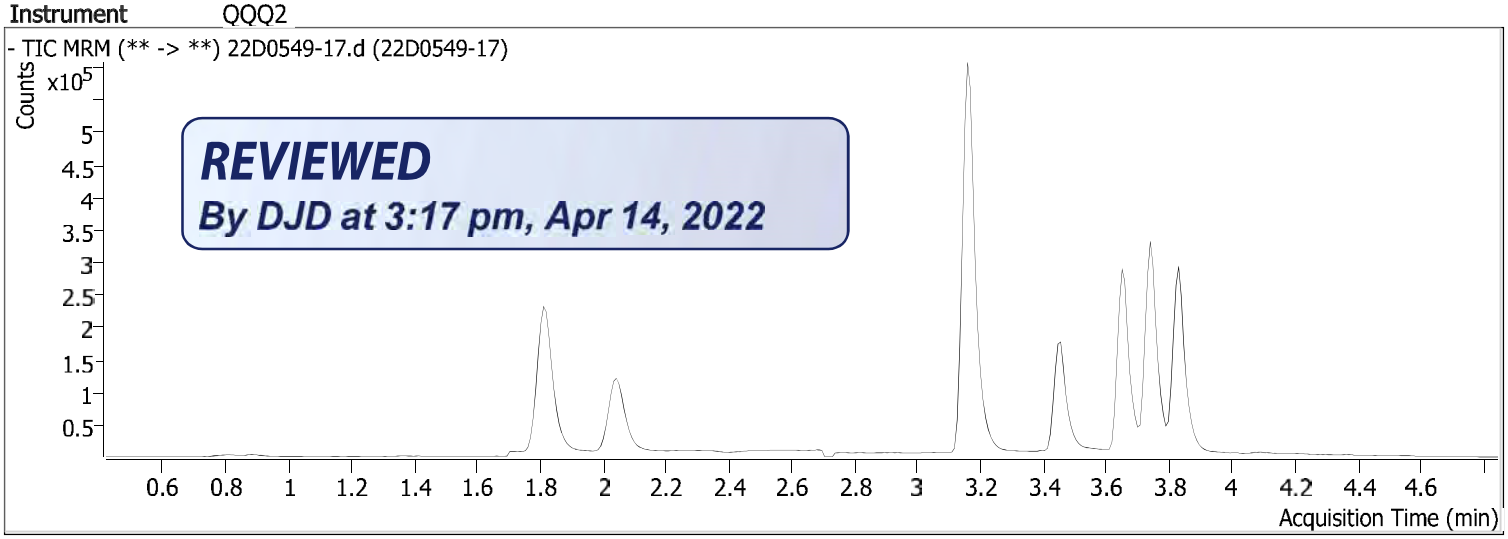
1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04052022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-17	File ID:	22D0549-17.d
Sampled:	04/05/22 00:00	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 15:11
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	267.67 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

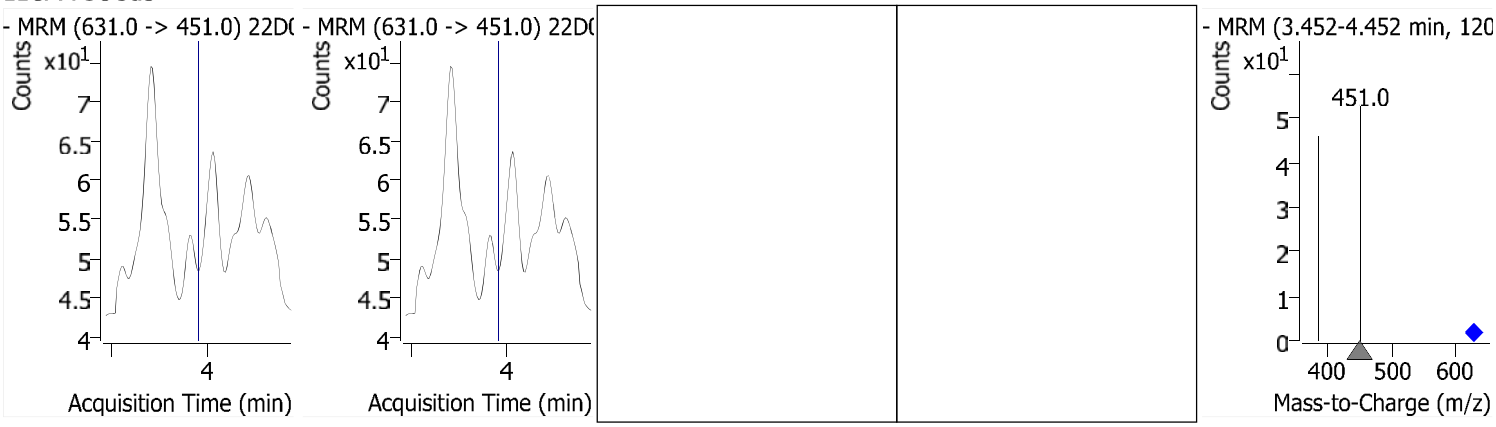
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.55	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.82	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.71	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.76	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 3:11 PM	Data File	22D0549-17.d
Sample Type	Sample	Sample Name	22D0549-17
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

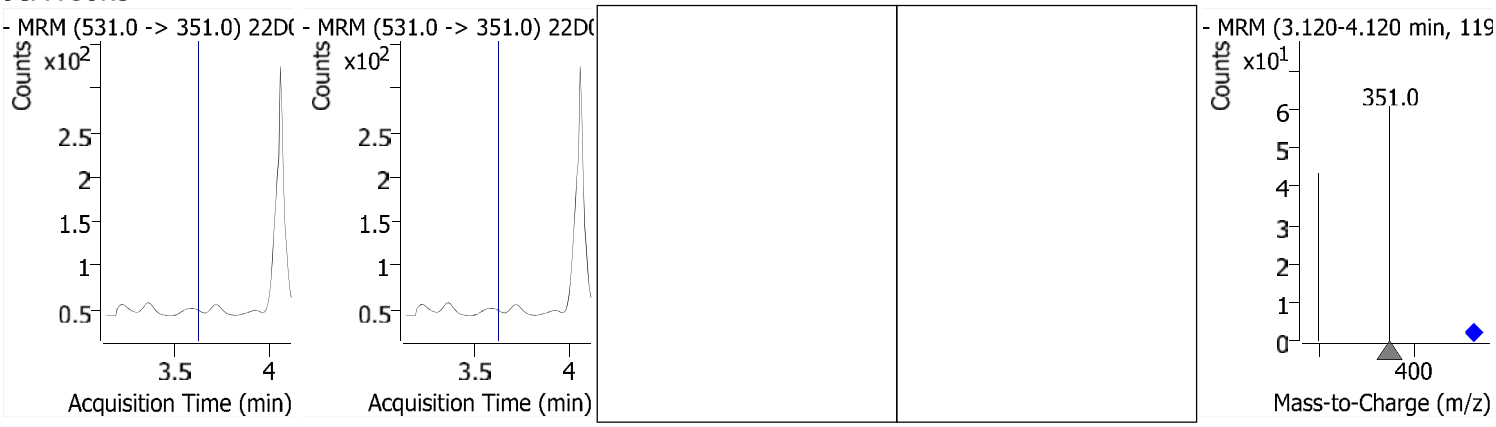


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	329957	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	329957	ND	pg/ml			
ADONA			PFOA C13	3.162	879156	ND	pg/ml			
d5-N-EtFOSAA	3.831	750935	d3-N-MeFOSAA	3.741	836653	38772.8324	pg/ml			
HFPO-DA			PFOA C13	3.162	879156	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	836653	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	836653	ND	pg/ml			
PFBS			PFOS C13	3.458	329957	ND	pg/ml			
PFDA C13	3.653	726707	PFOA C13	3.162	879156	9588.1215	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	879156	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.215	0	PFOA C13	3.162	879156	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	879156	ND	pg/ml			
PFHxA C13	1.813	775913	PFOA C13	3.162	879156	9645.1771	pg/ml			
PFHxA			PFOA C13	3.162	879156	ND	pg/ml			
PFHxS			PFOS C13	3.458	329957	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	879156	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.551	0	PFOA C13	3.162	879156	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	329957	ND	pg/ml			
M3HFPO-DA	2.040	77997	PFOA C13	3.162	879156	9533.0981	pg/ml			
PFTA	4.428	0	PFOA C13	3.162	879156	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	879156	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	879156	ND	pg/ml	✔	1	DRL 04/14/22

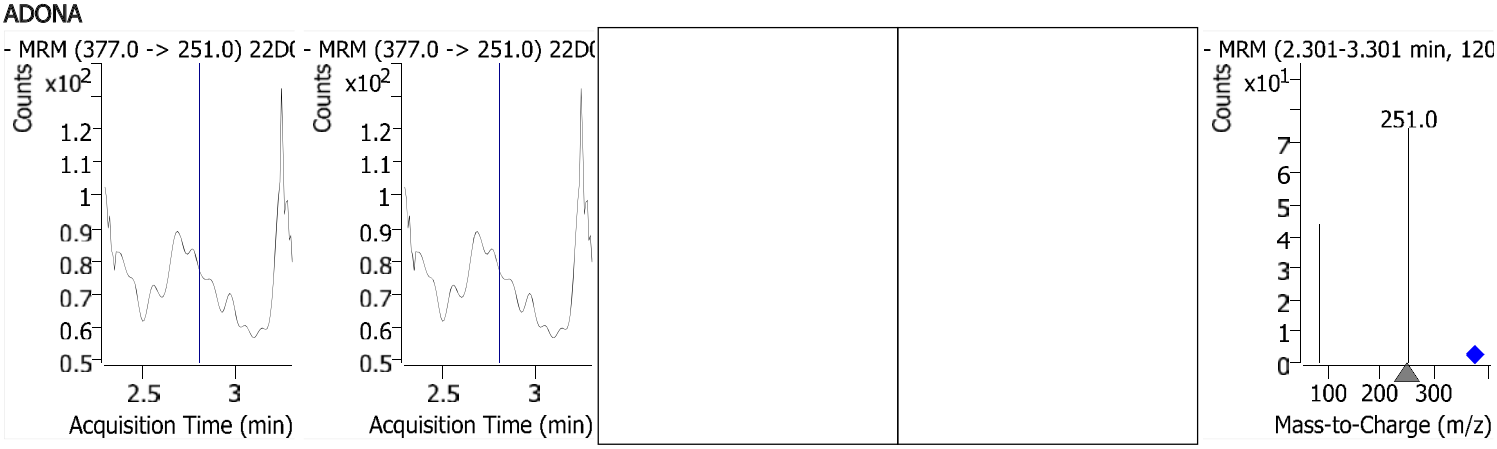
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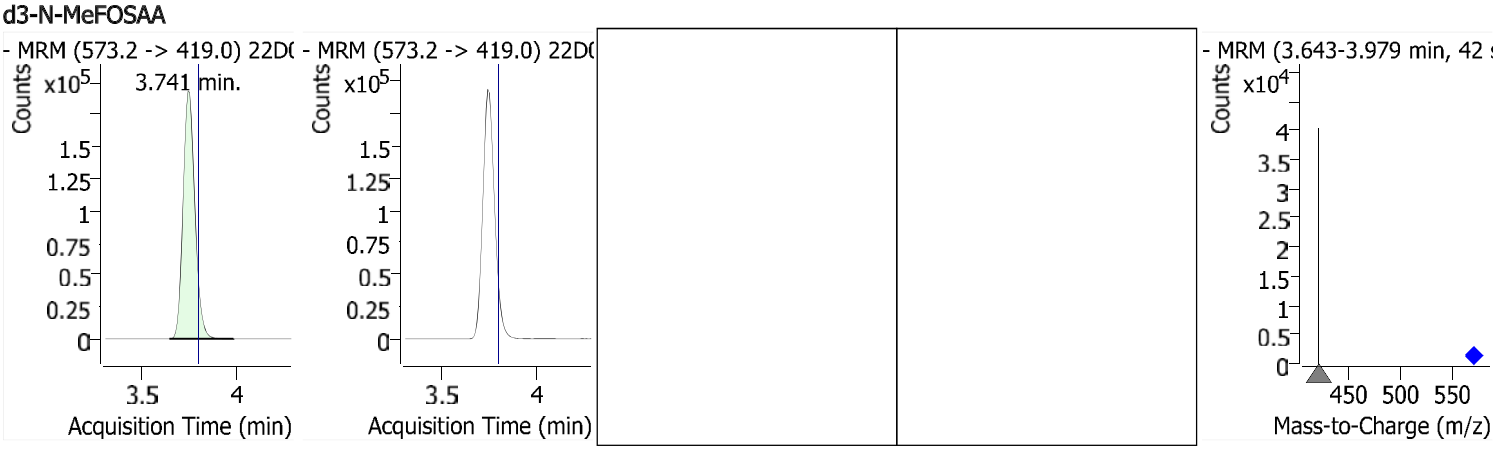
9Cl-PF3ONS



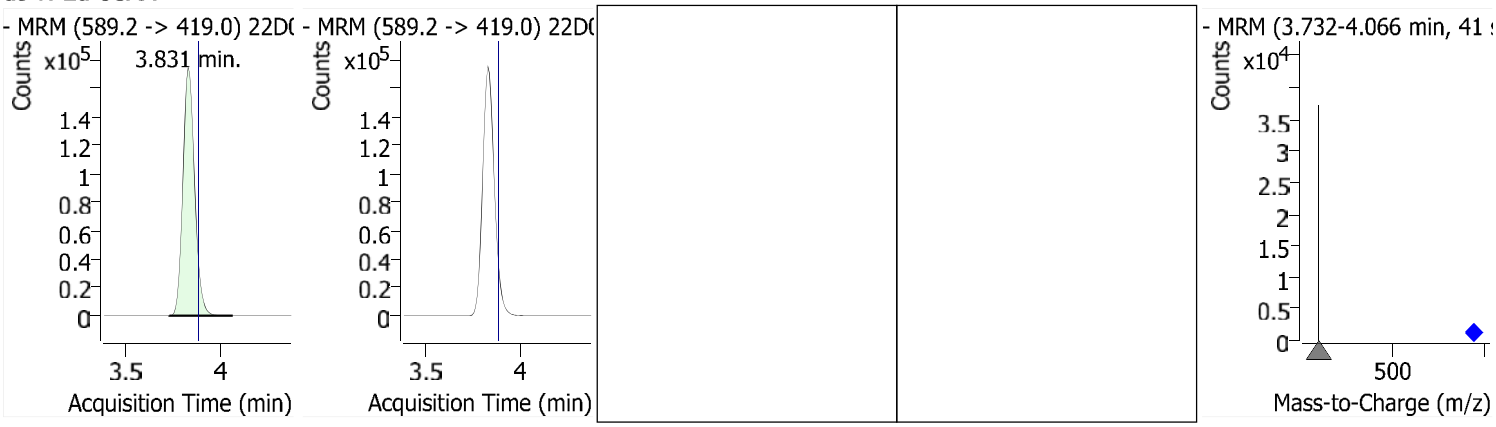
ADONA



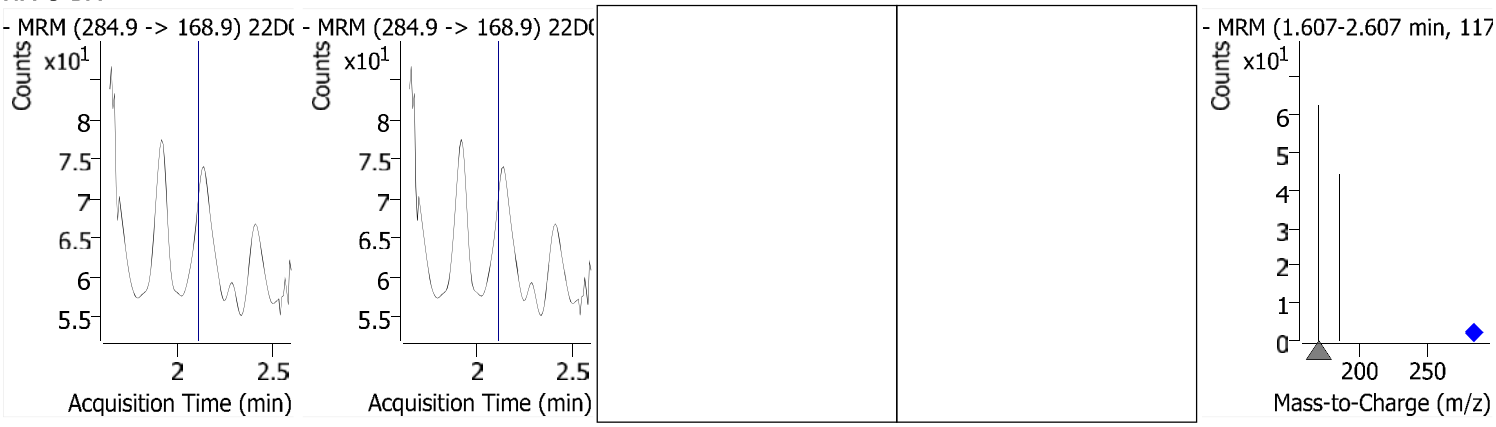
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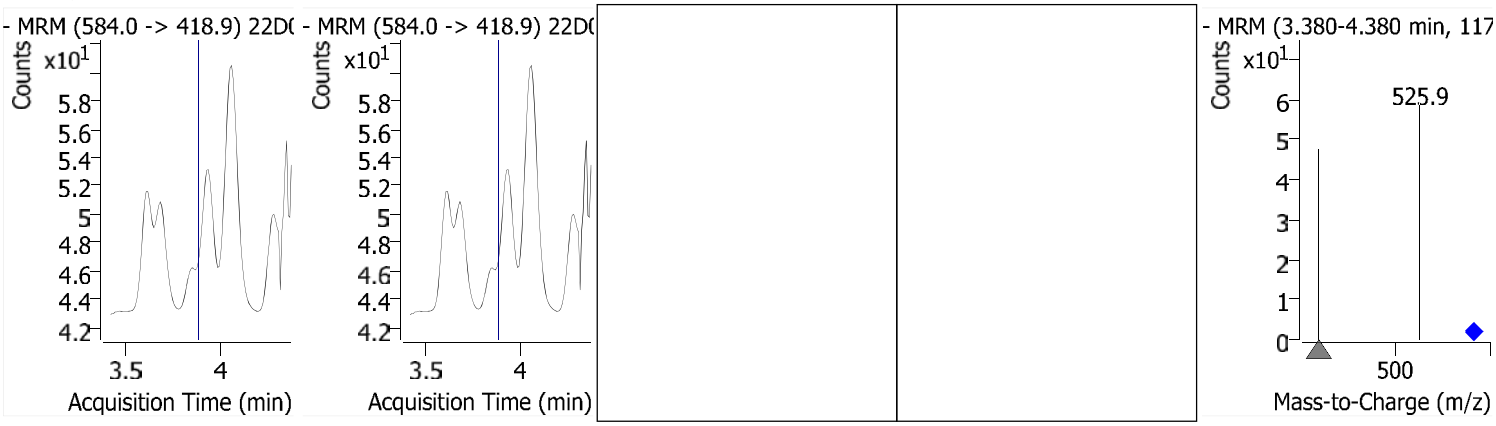
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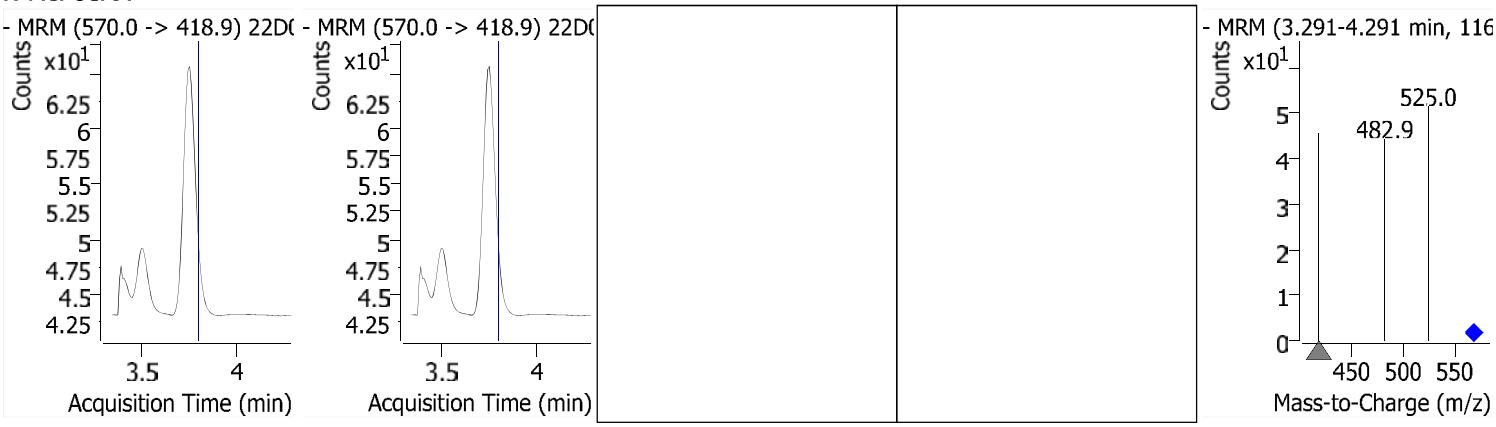
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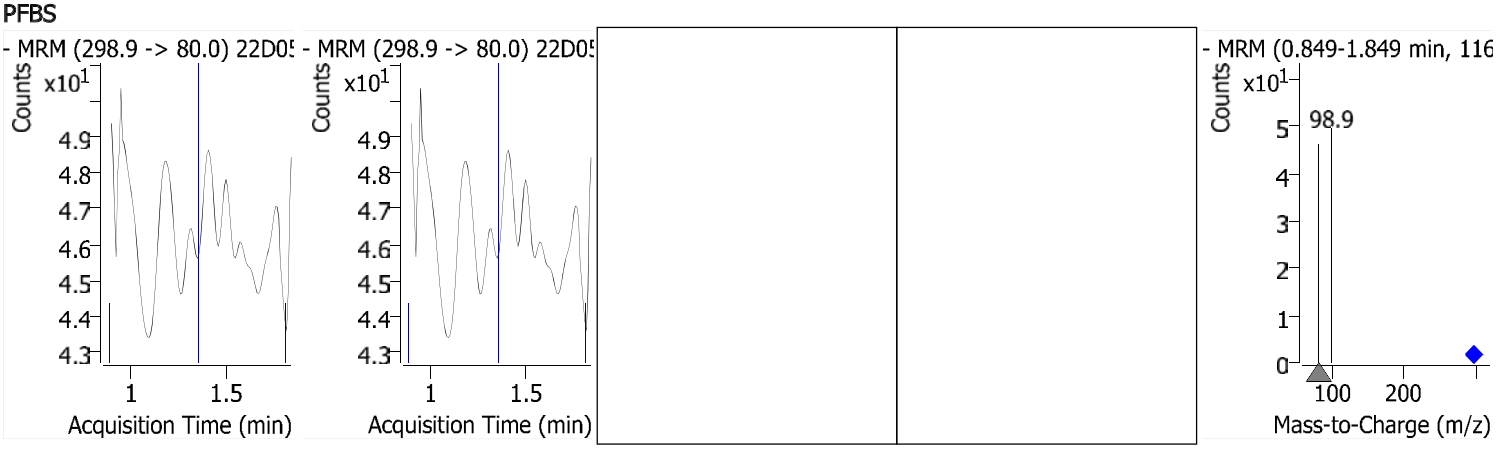
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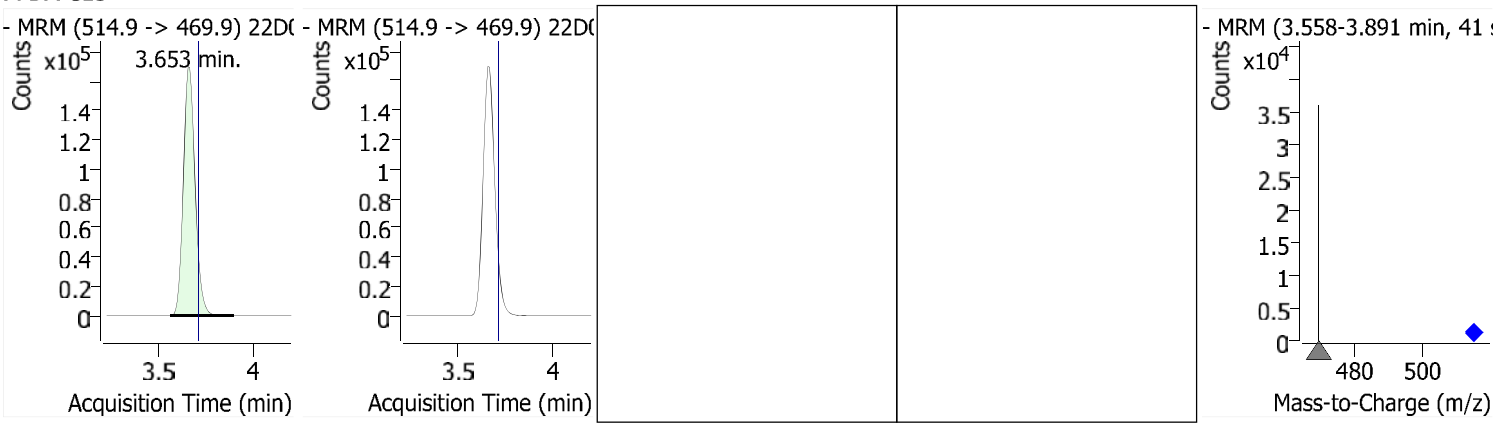
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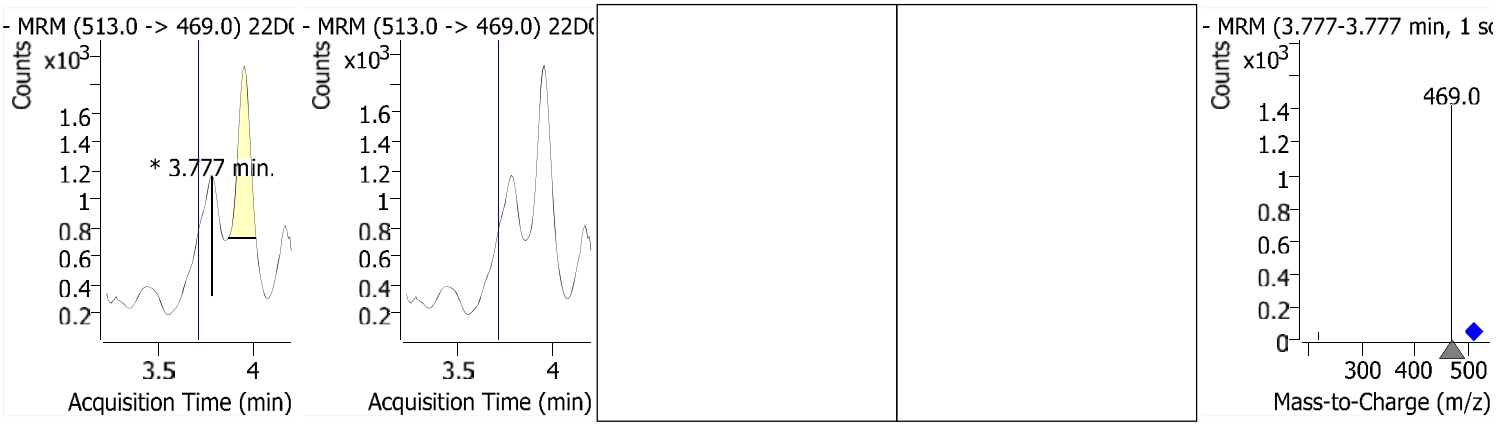
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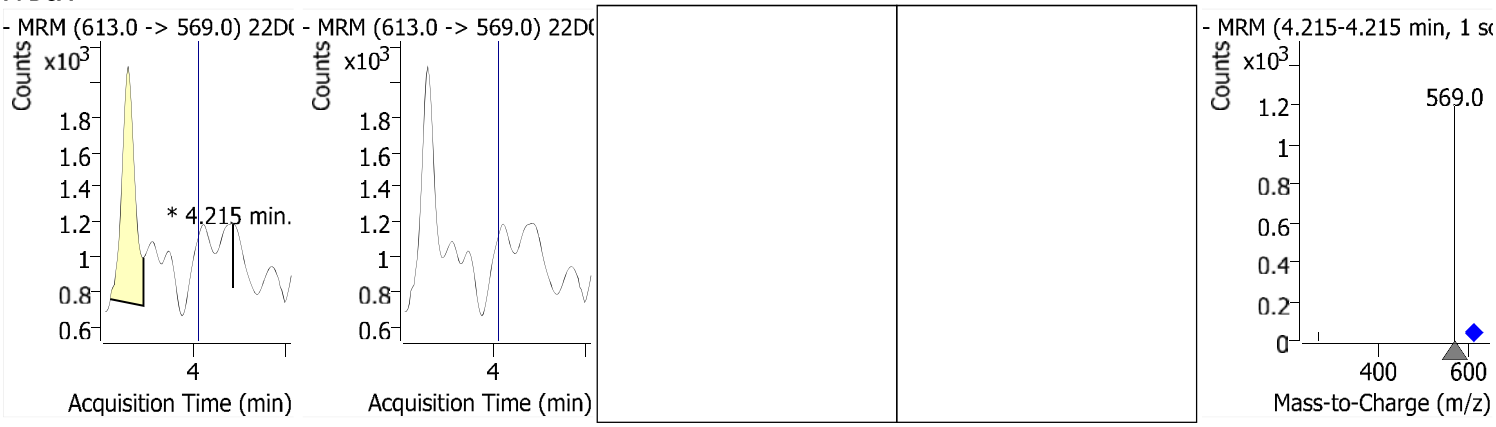
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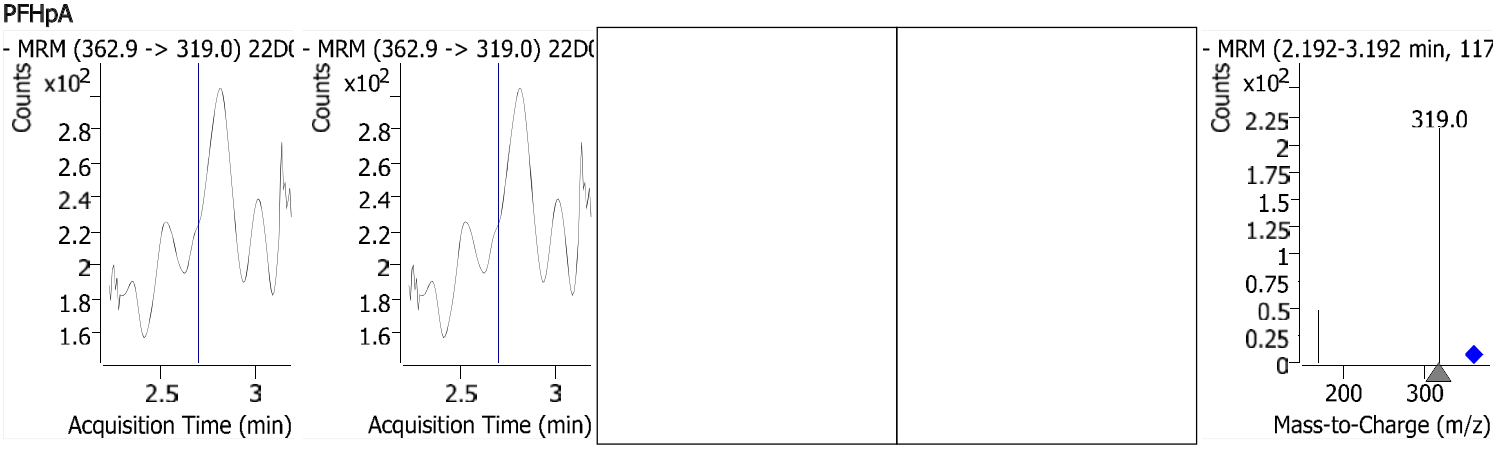
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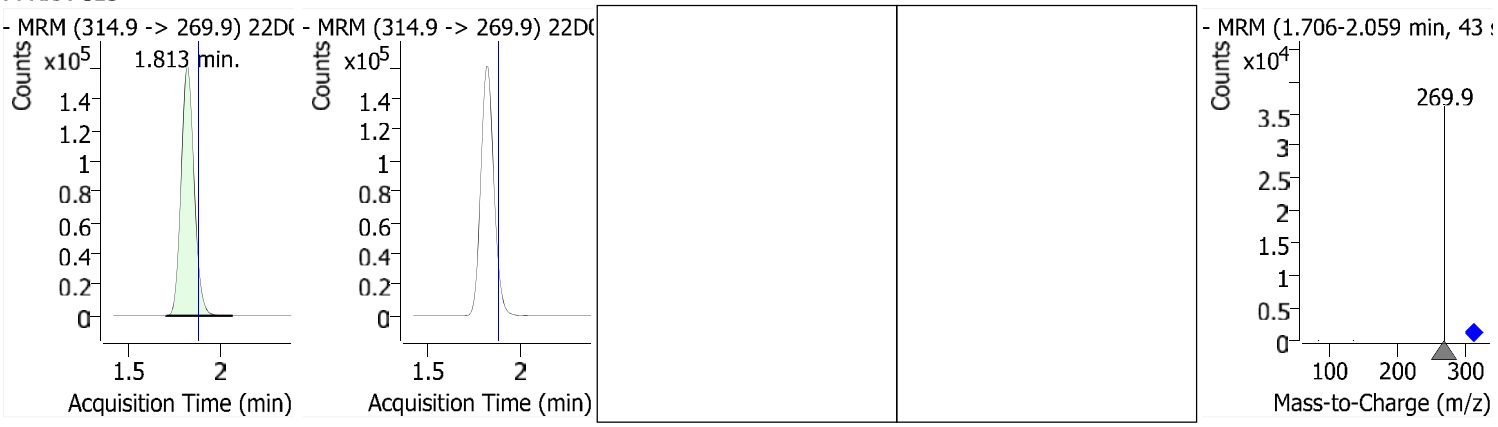
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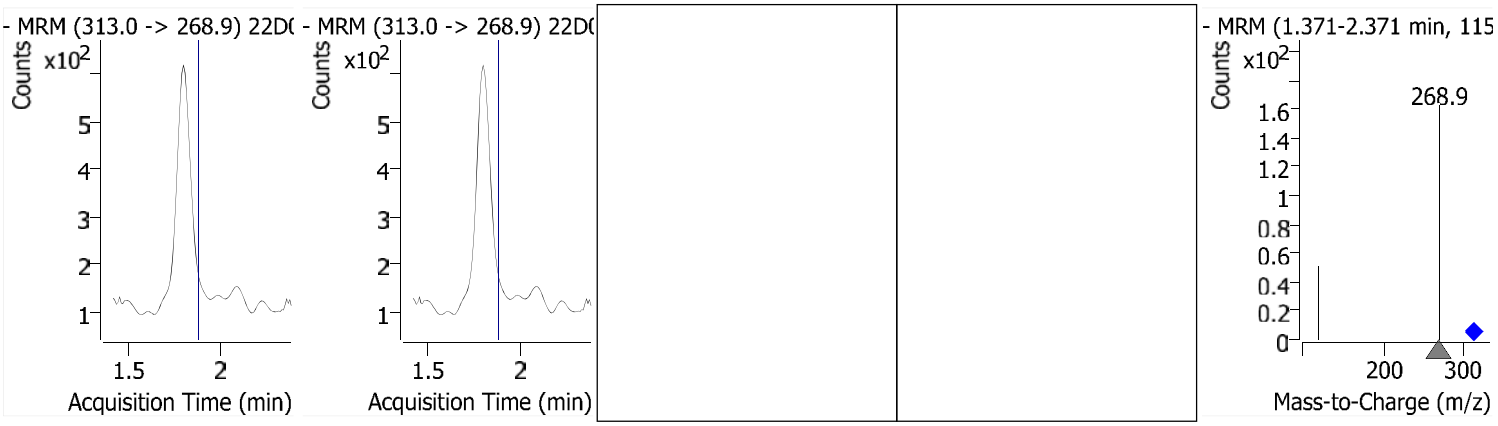
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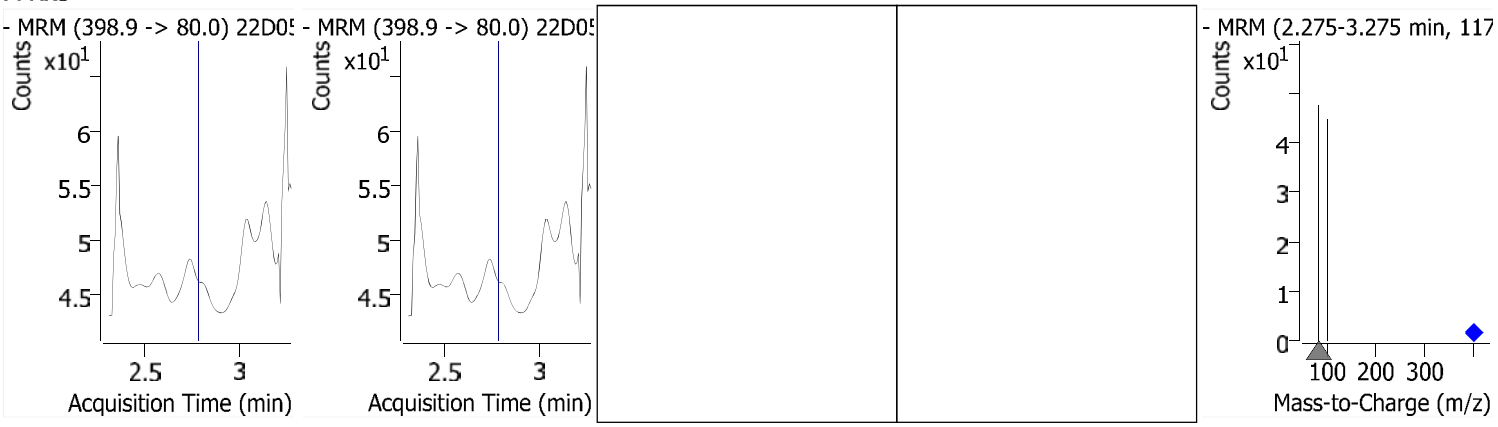
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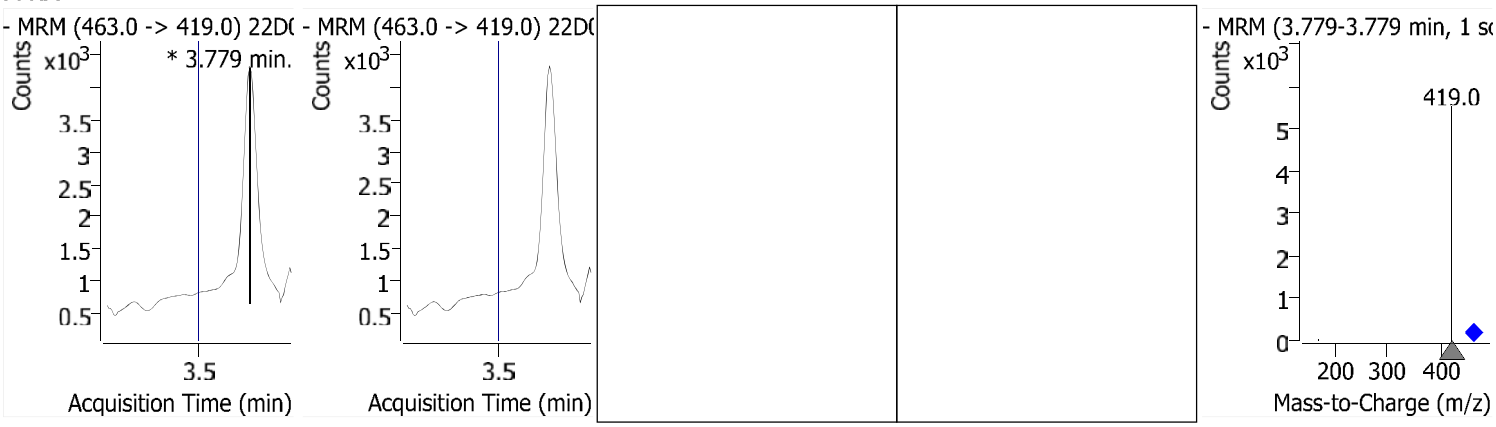
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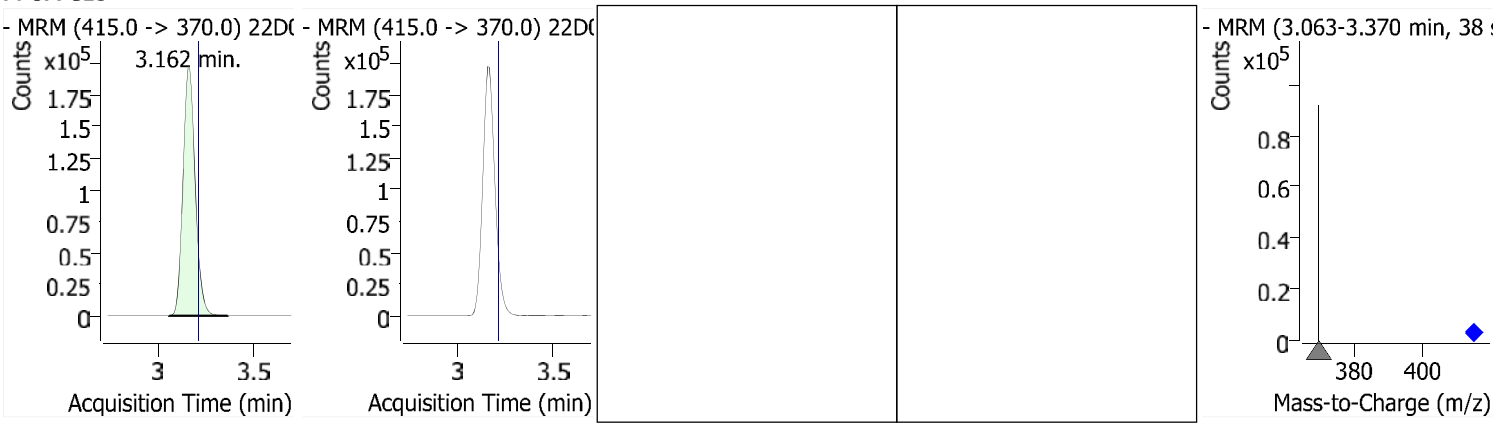
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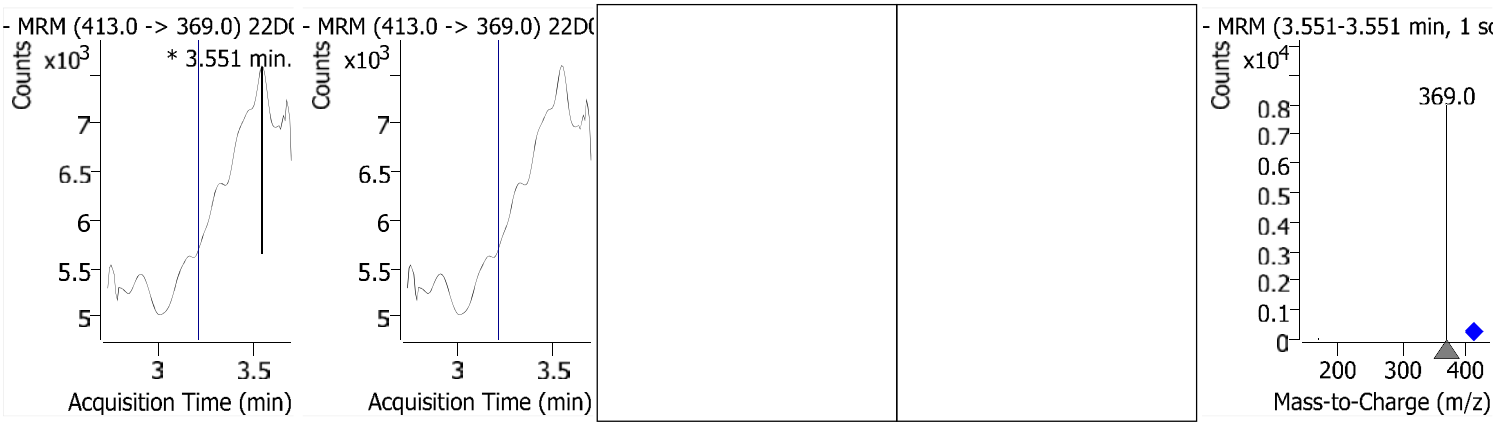
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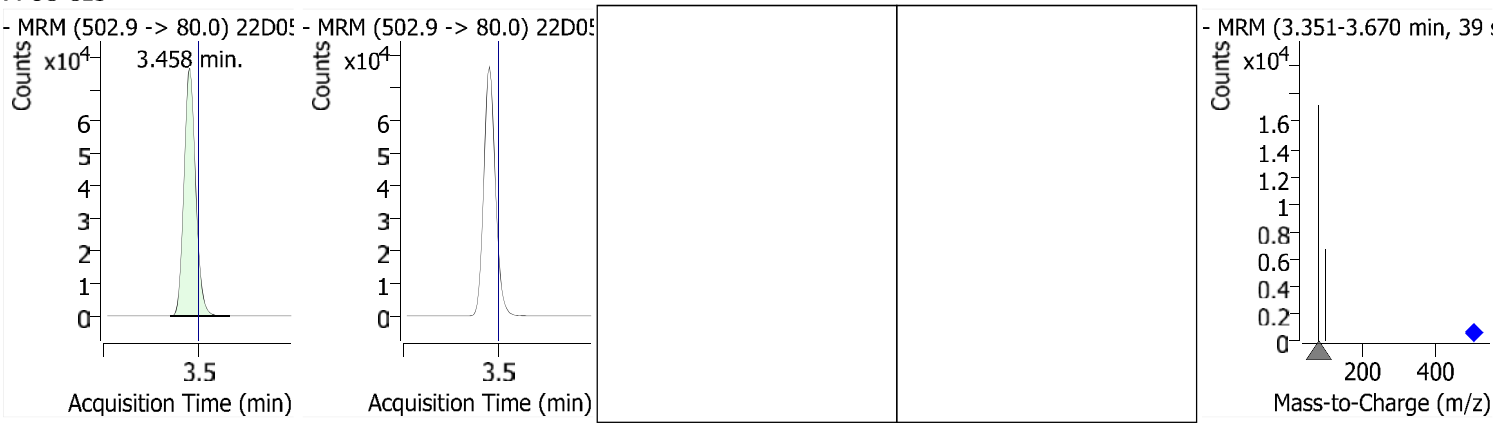
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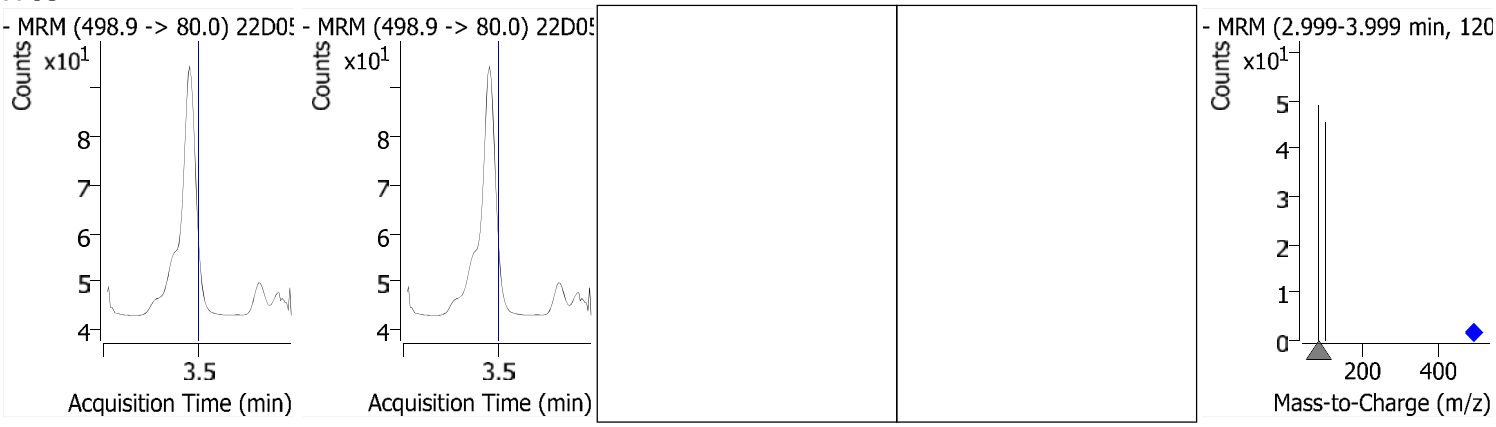
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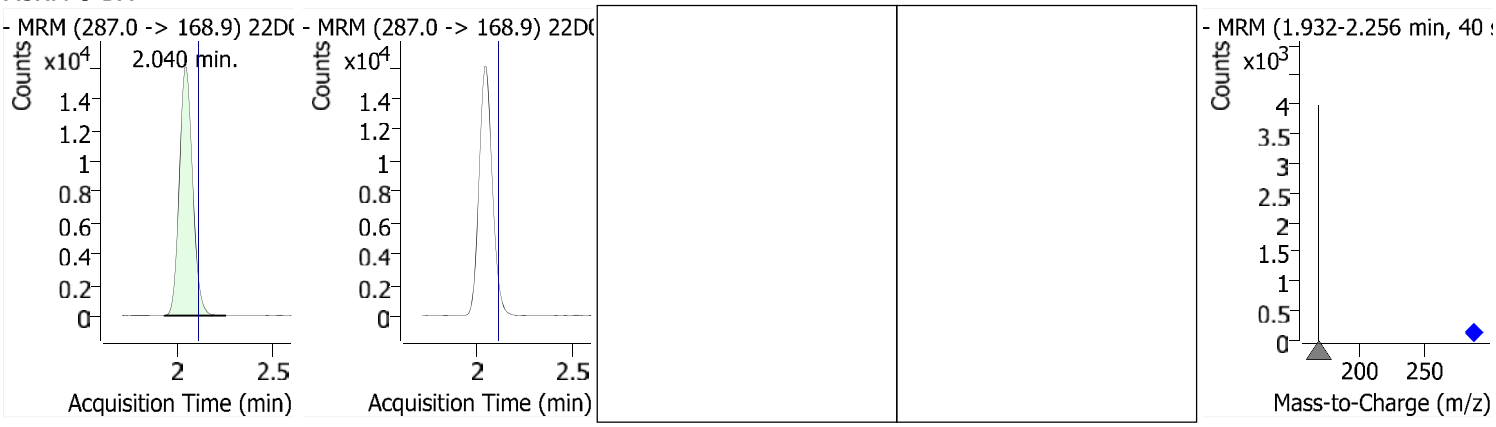
PFOS C13



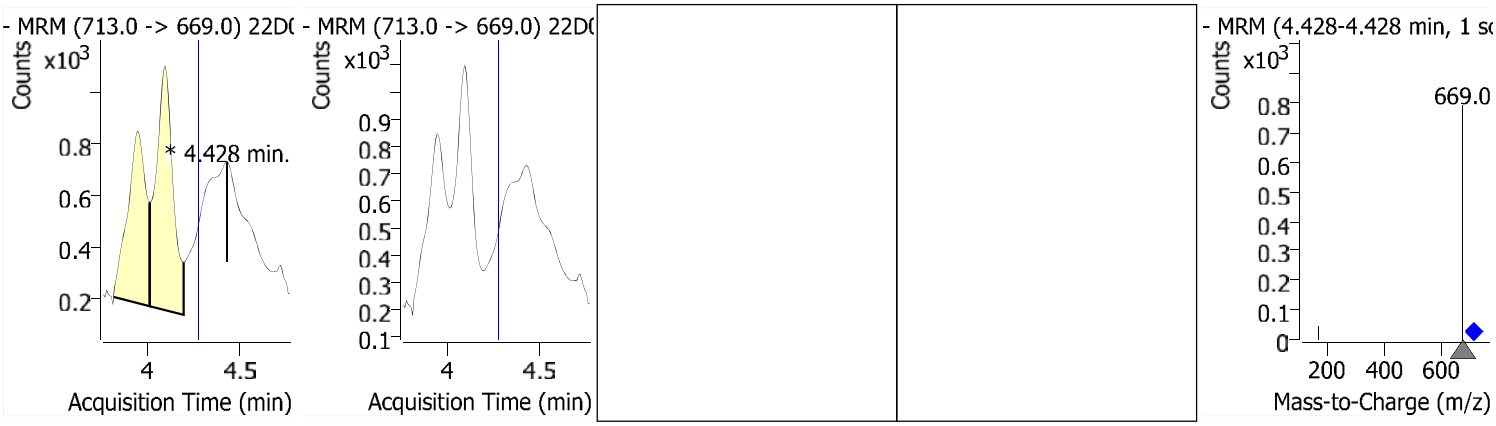
PFOS



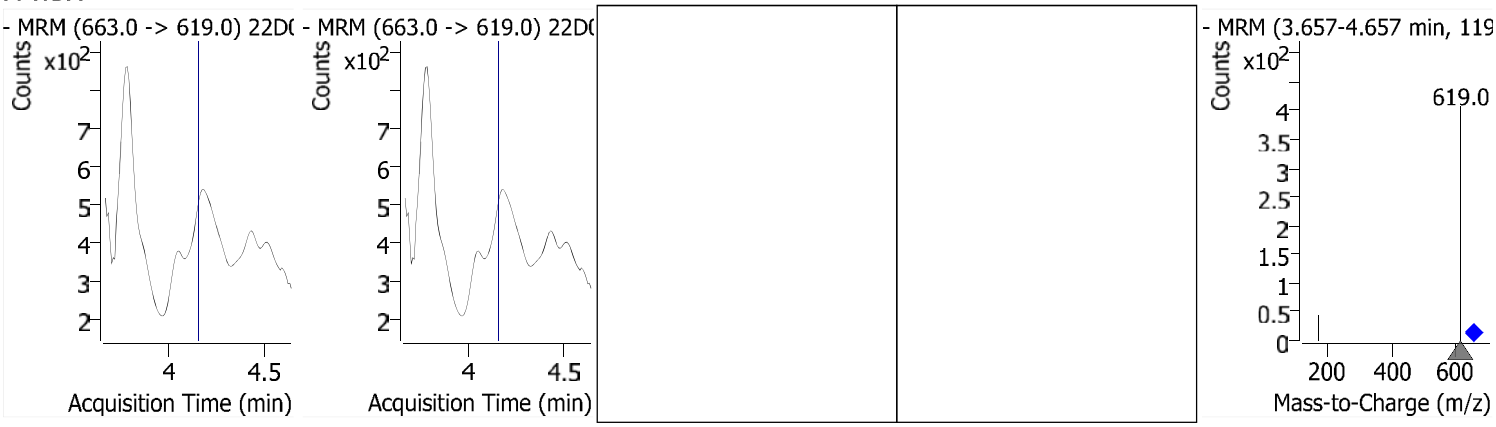
M3HFPO-DA



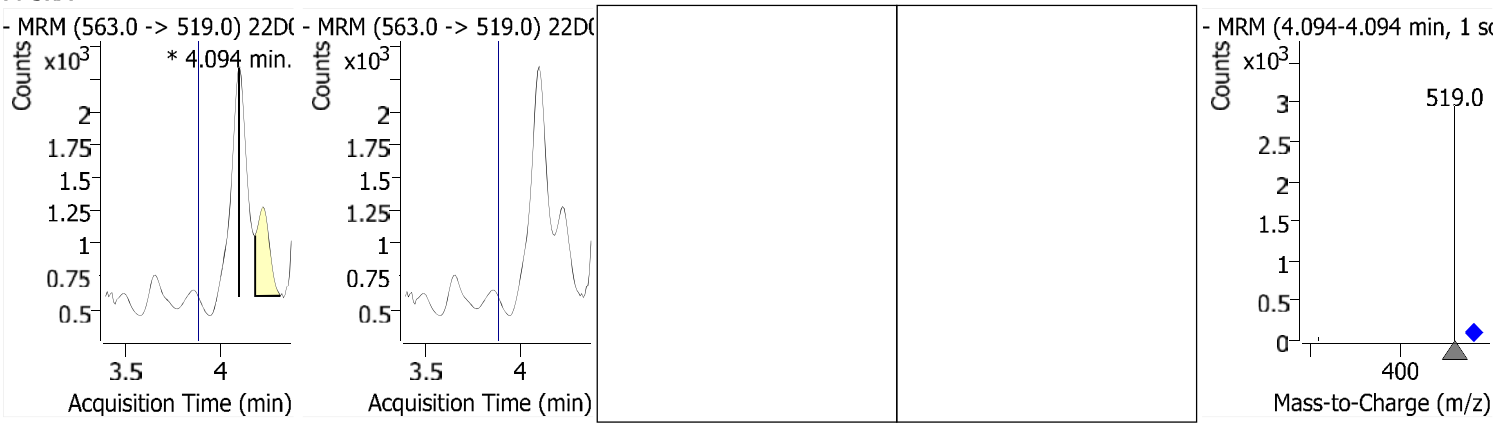
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
2
1.75
1.5
1.25
1
0.75
0.5
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2
1.75
1.5
1.25
1
0.75
0.5
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 sc
Counts
x10^3
519.0
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

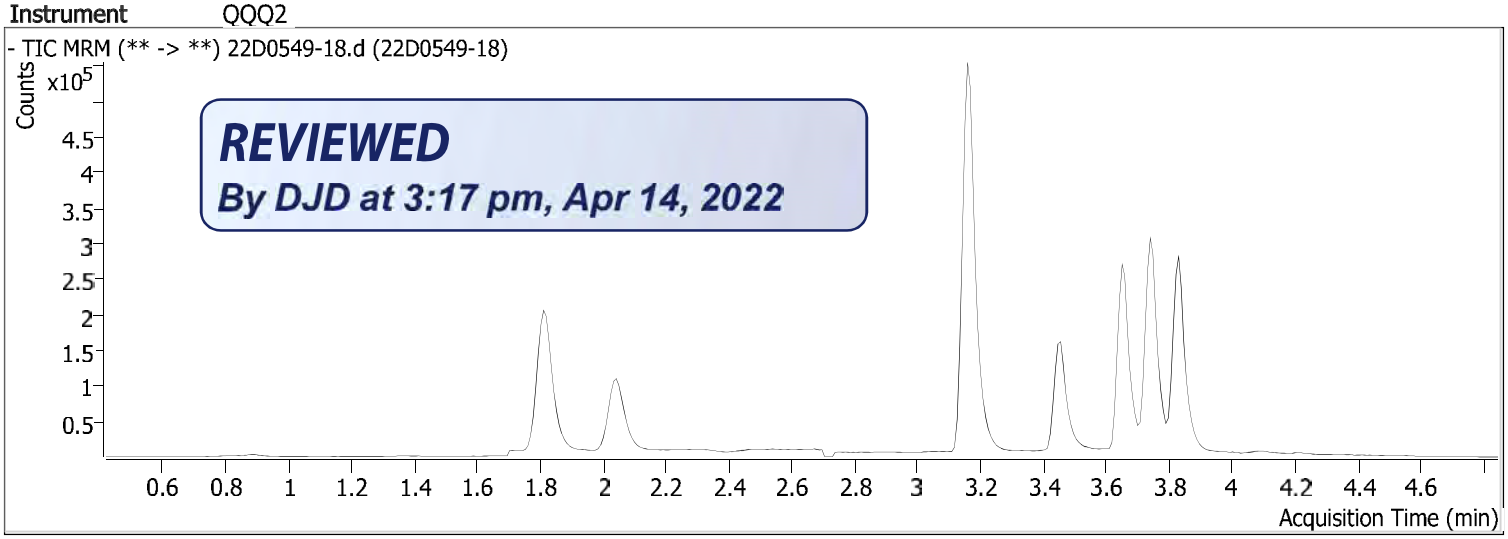
1 - FORM I
ANALYSIS DATA SHEET

907017-RB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-18	File ID:	22D0549-18.d
Sampled:	04/06/22 15:30	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 15:18
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	267.11 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				

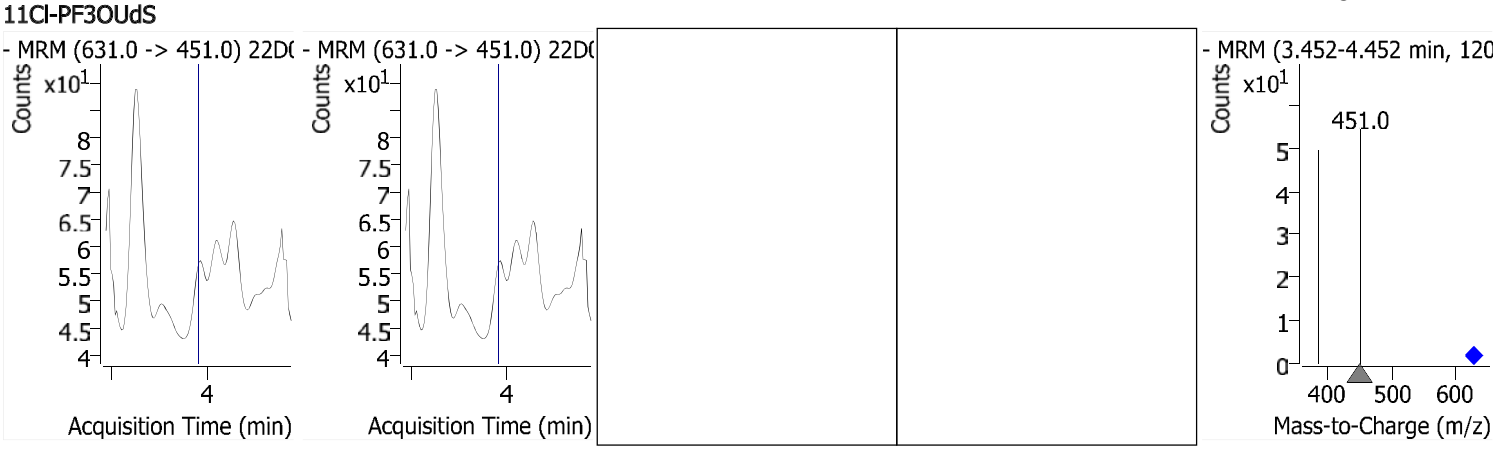
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 3:18 PM	Data File	22D0549-18.d
Sample Type	Sample	Sample Name	22D0549-18
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

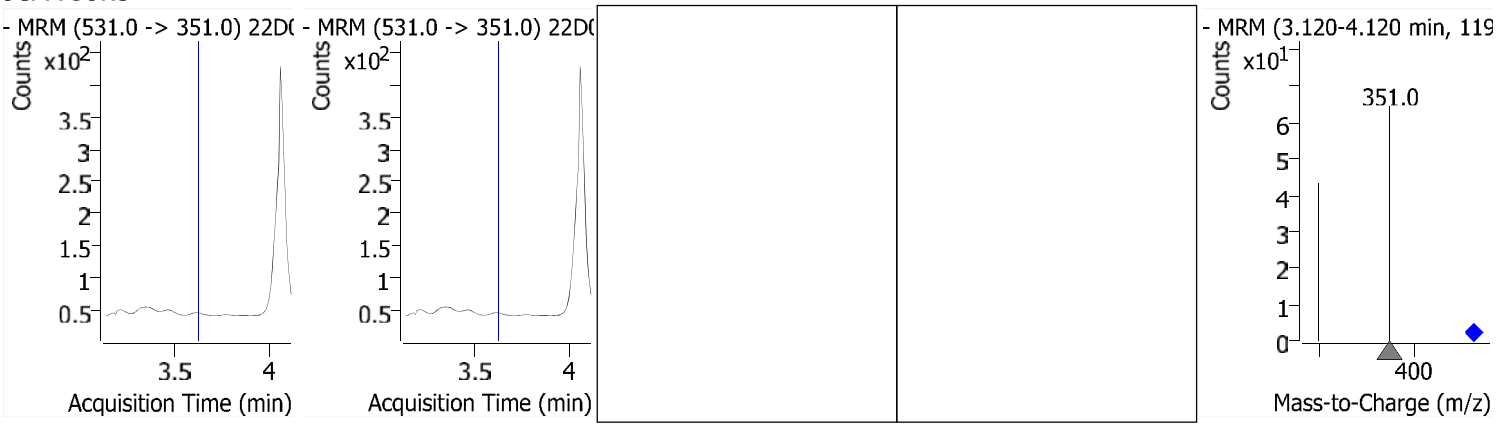


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	304626	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	304626	ND	pg/ml			
ADONA			PFOA C13	3.162	806846	ND	pg/ml			
d5-N-EtFOSAA	3.831	719961	d3-N-MeFOSAA	3.741	784197	39660.1276	pg/ml			
HFPO-DA			PFOA C13	3.162	806846	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	784197	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	784197	ND	pg/ml			
PFBS			PFOS C13	3.458	304626	ND	pg/ml			
PFDA C13	3.653	682261	PFOA C13	3.162	806846	9808.4455	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	806846	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.051	0	PFOA C13	3.162	806846	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	806846	ND	pg/ml			
PFHxA C13	1.813	685912	PFOA C13	3.162	806846	9290.5470	pg/ml			
PFHxA			PFOA C13	3.162	806846	ND	pg/ml			
PFHxS			PFOS C13	3.458	304626	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	806846	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.681	0	PFOA C13	3.162	806846	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	304626	ND	pg/ml			
M3HFPO-DA	2.040	66861	PFOA C13	3.162	806846	8904.4055	pg/ml			
PFTA	4.437	0	PFOA C13	3.162	806846	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA			PFOA C13	3.162	806846	ND	pg/ml			
PFUnA	4.094	0	PFOA C13	3.162	806846	ND	pg/ml	✔	1	DRL 04/14/22

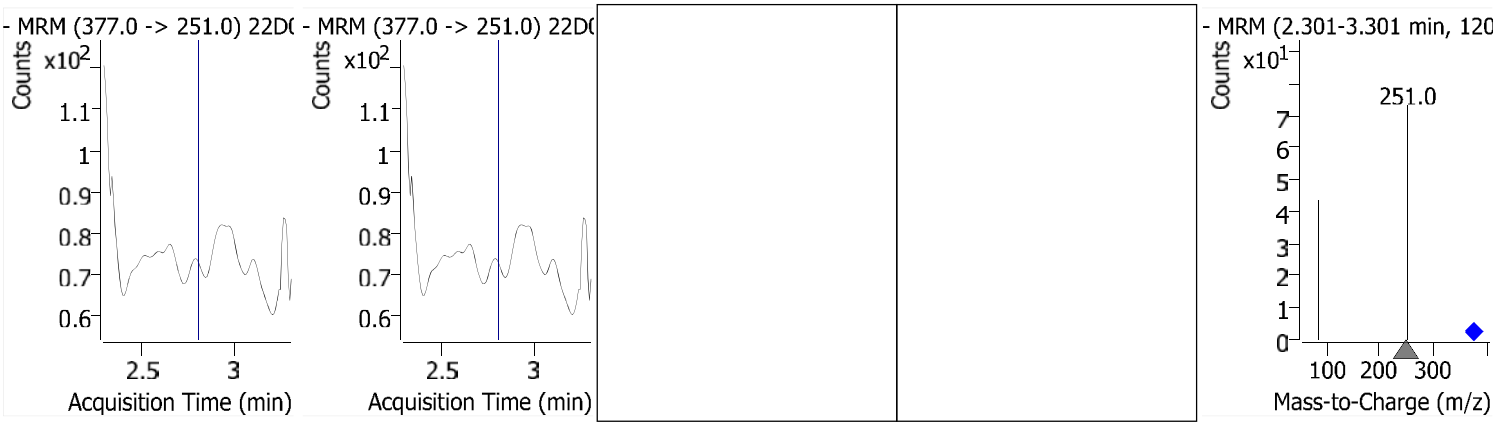
11Cl-PF3OUdS



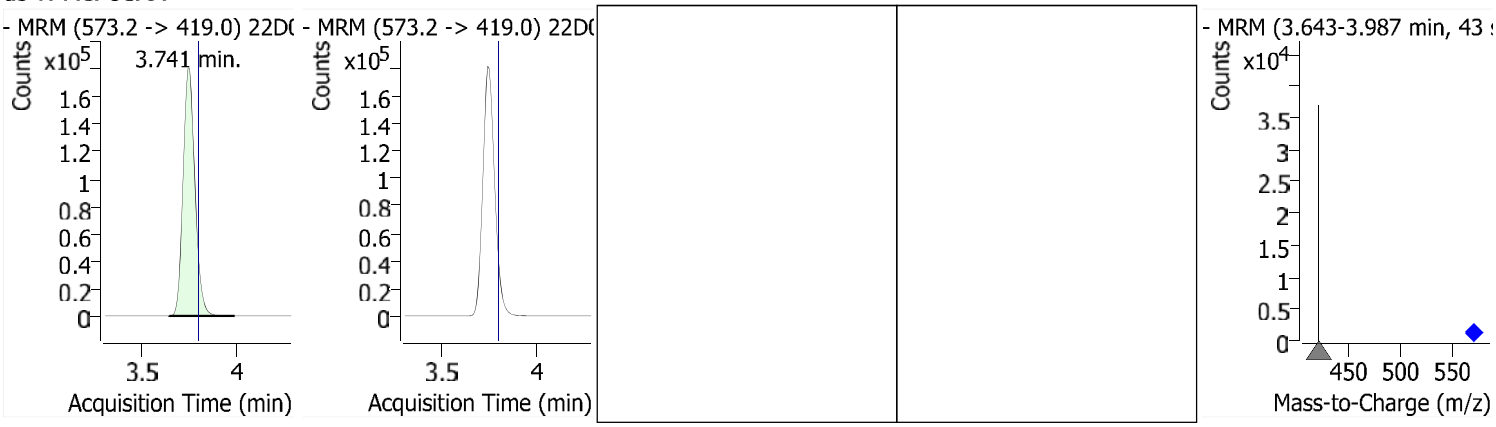
9Cl-PF3ONS



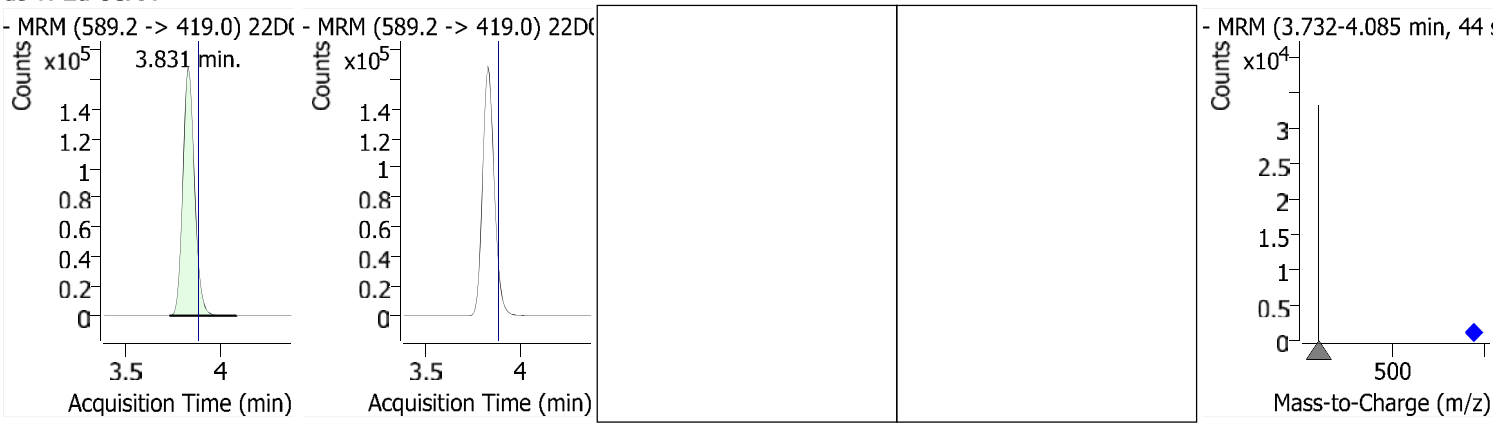
ADONA



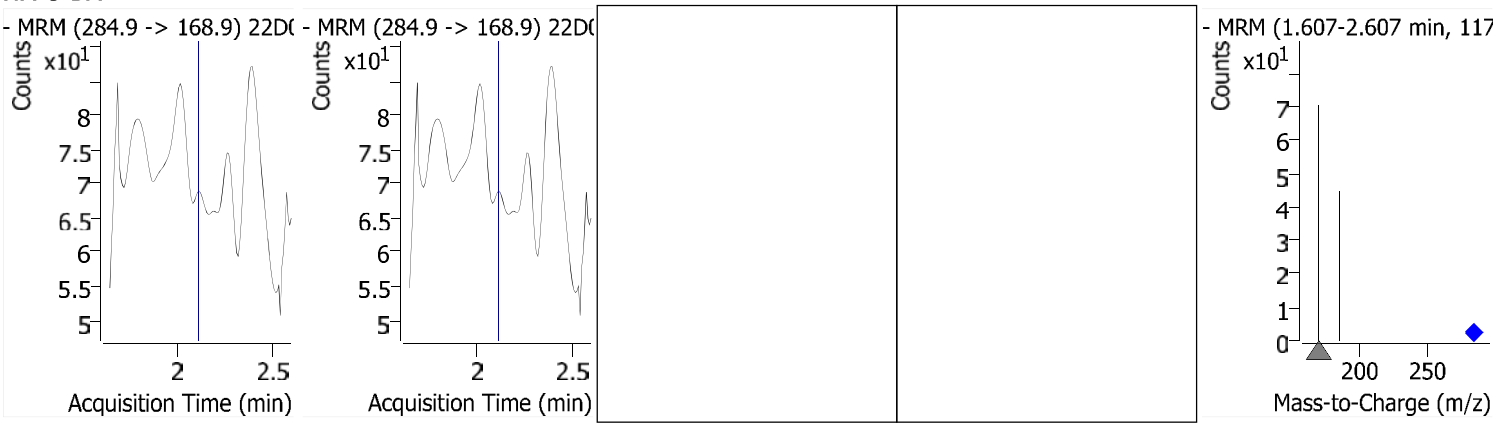
d3-N-MeFOSAA



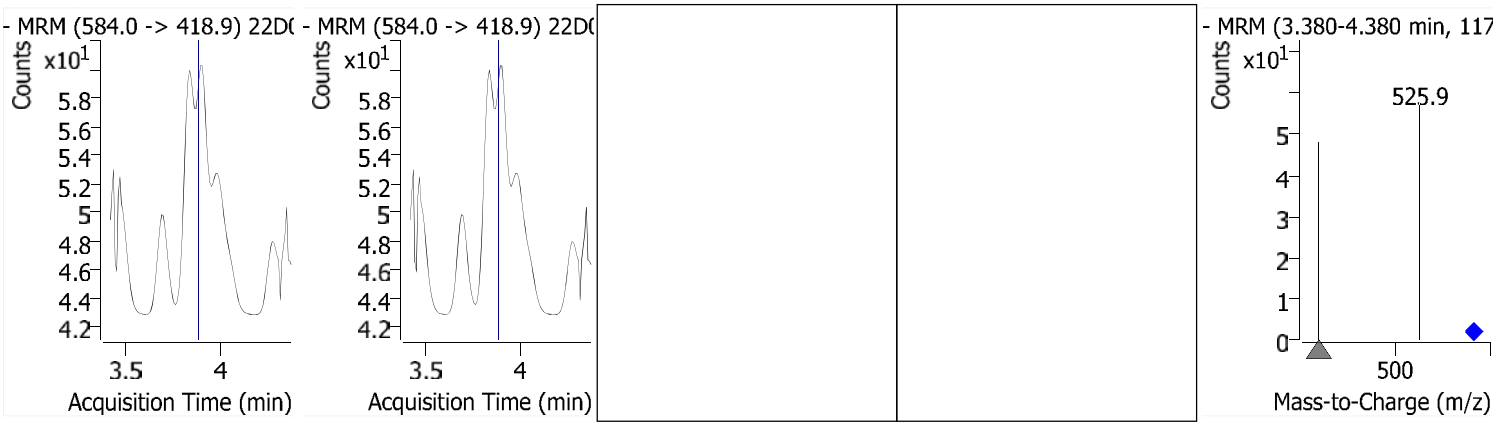
d5-N-EtFOSAA



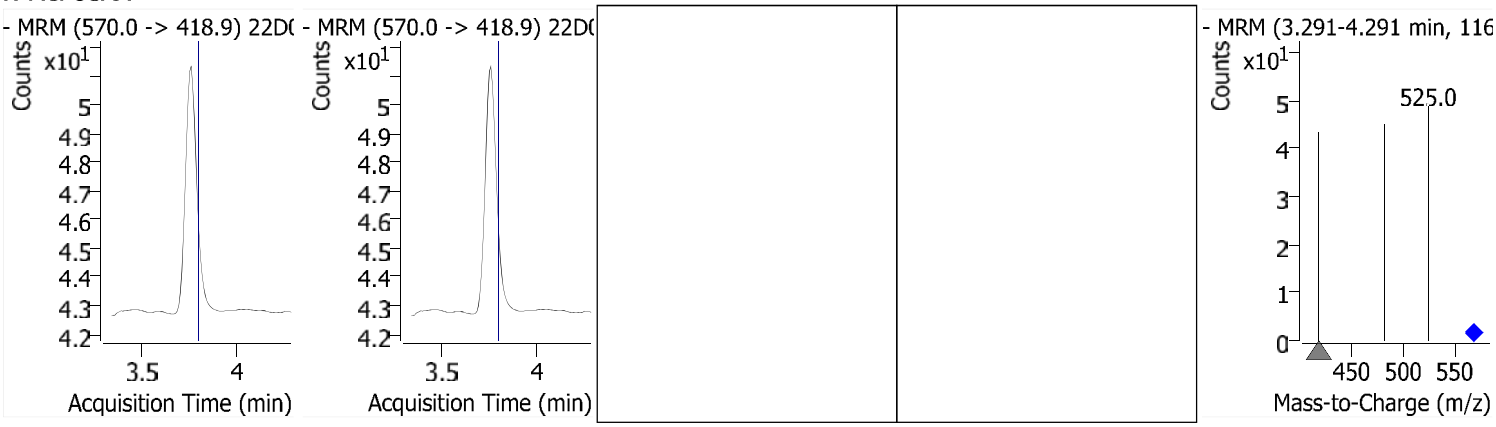
HFPO-DA



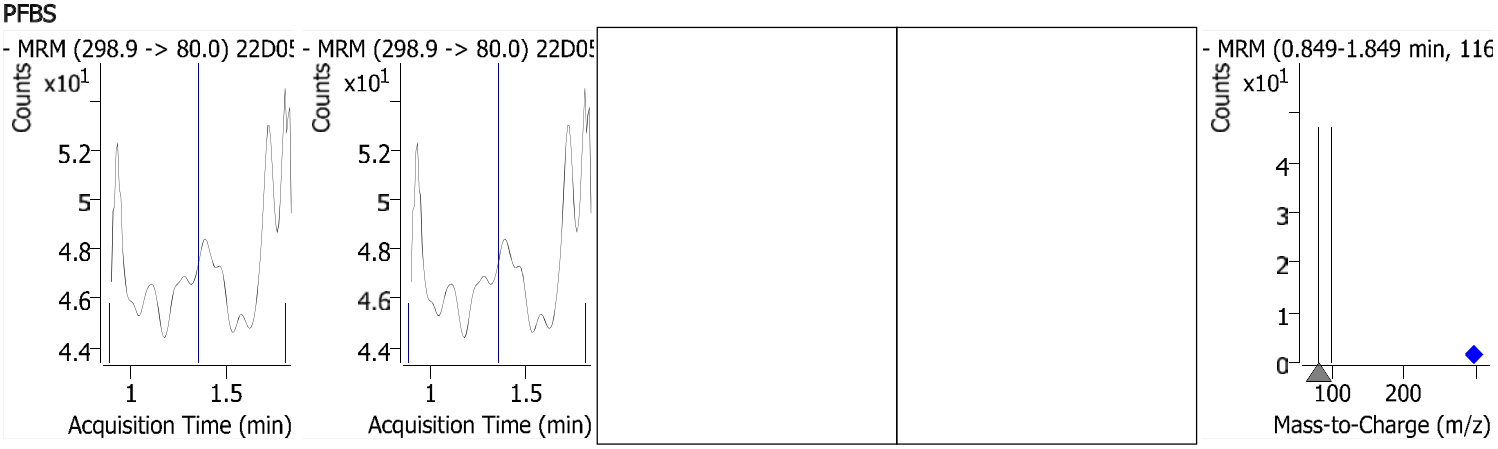
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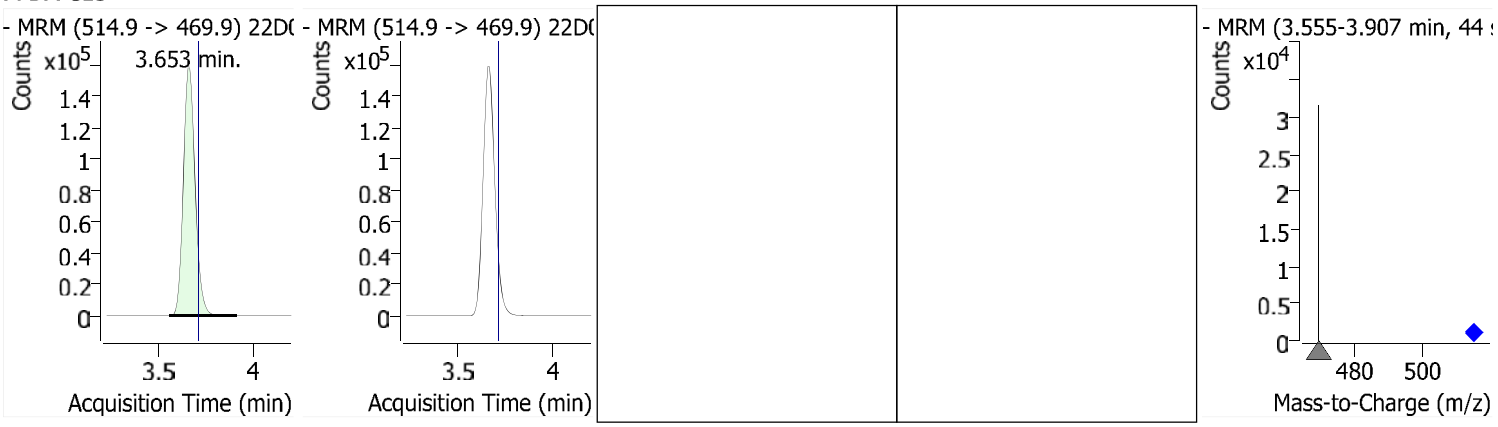
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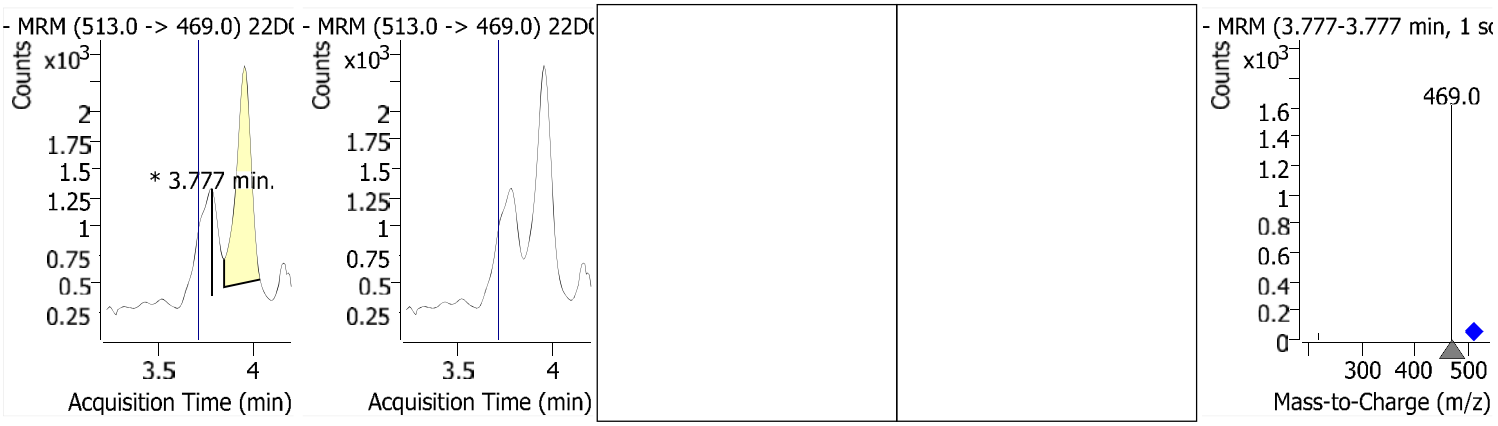
PFBS



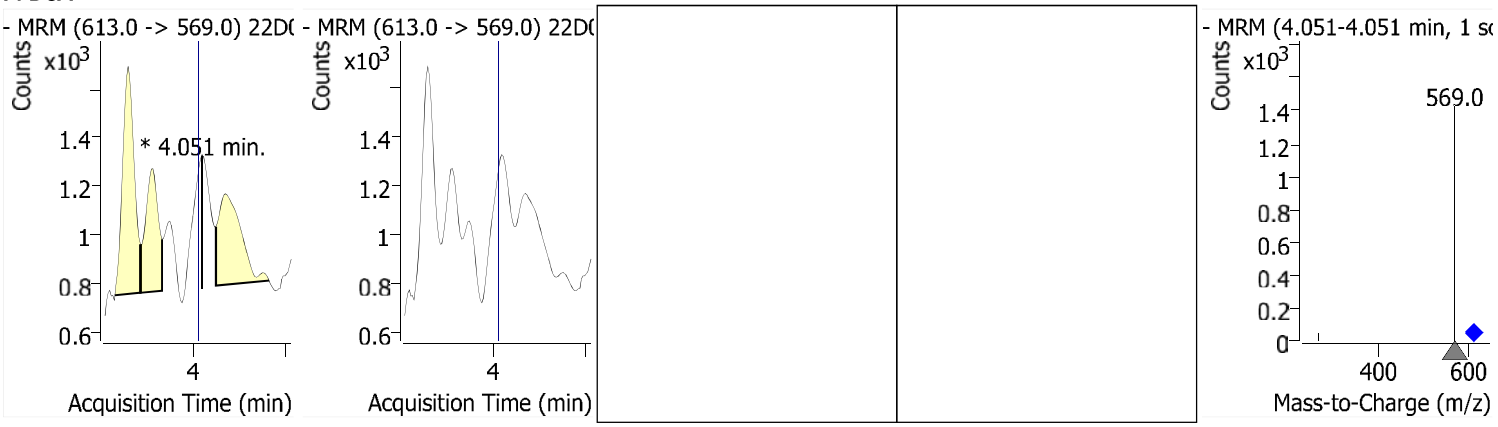
PFDA C13



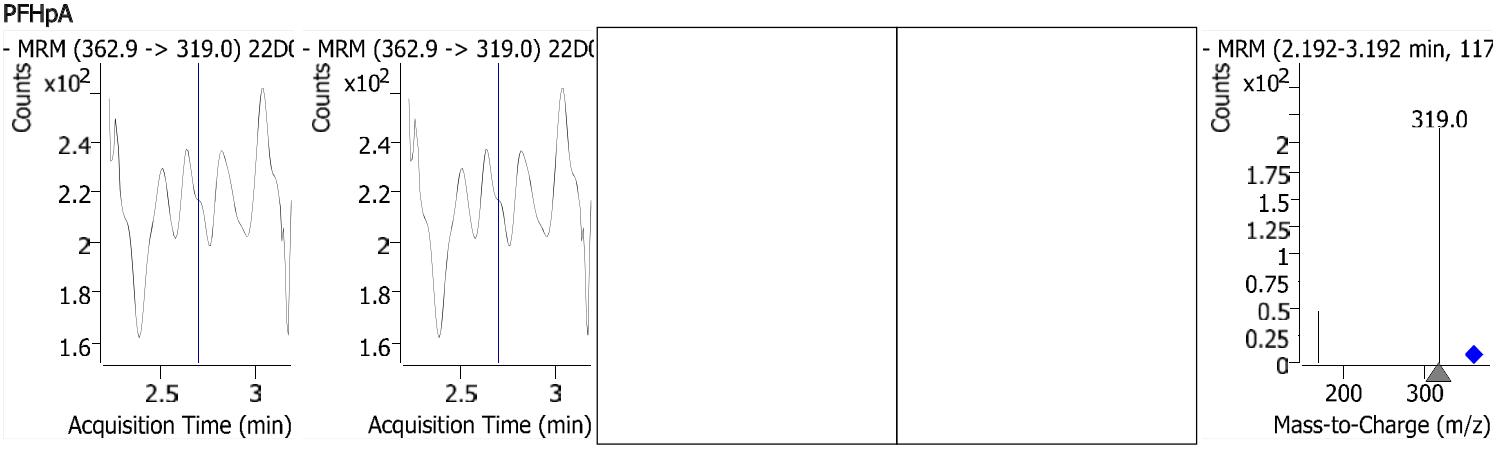
PFDA



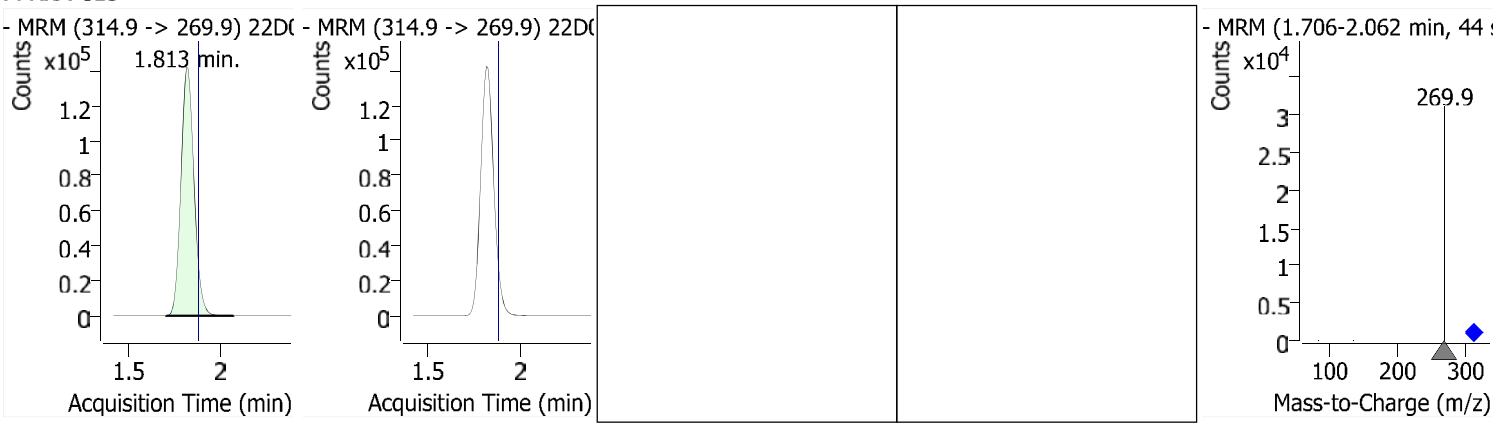
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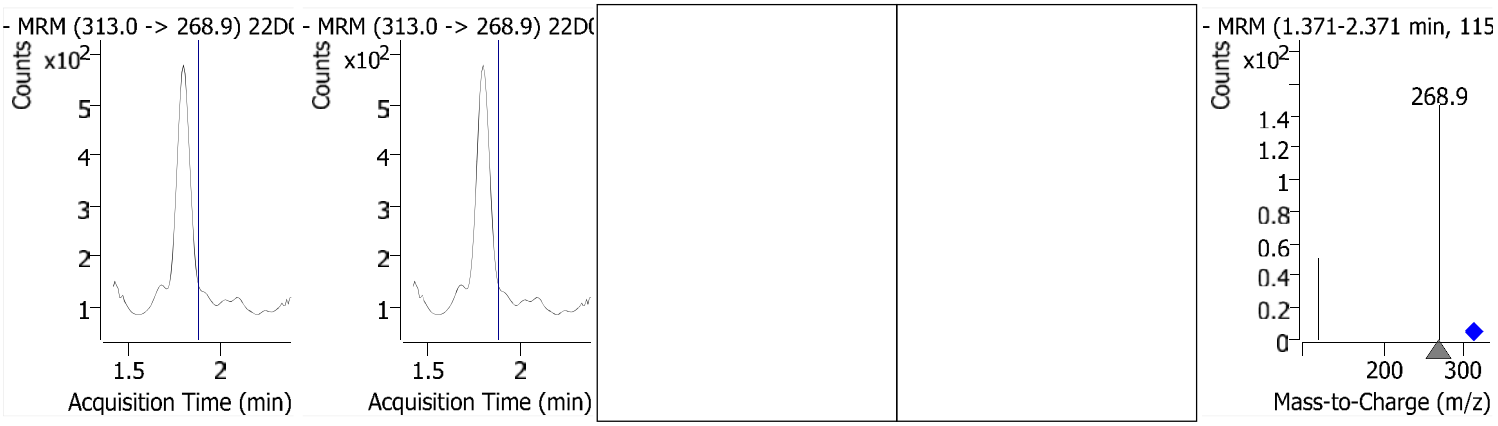
PFHpA



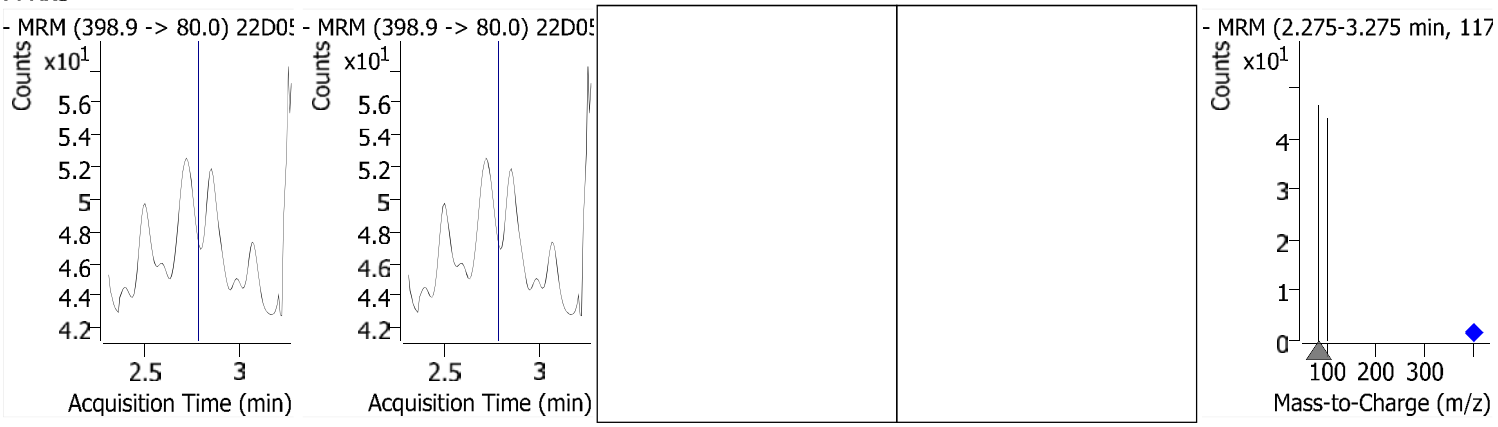
PFHxA C13



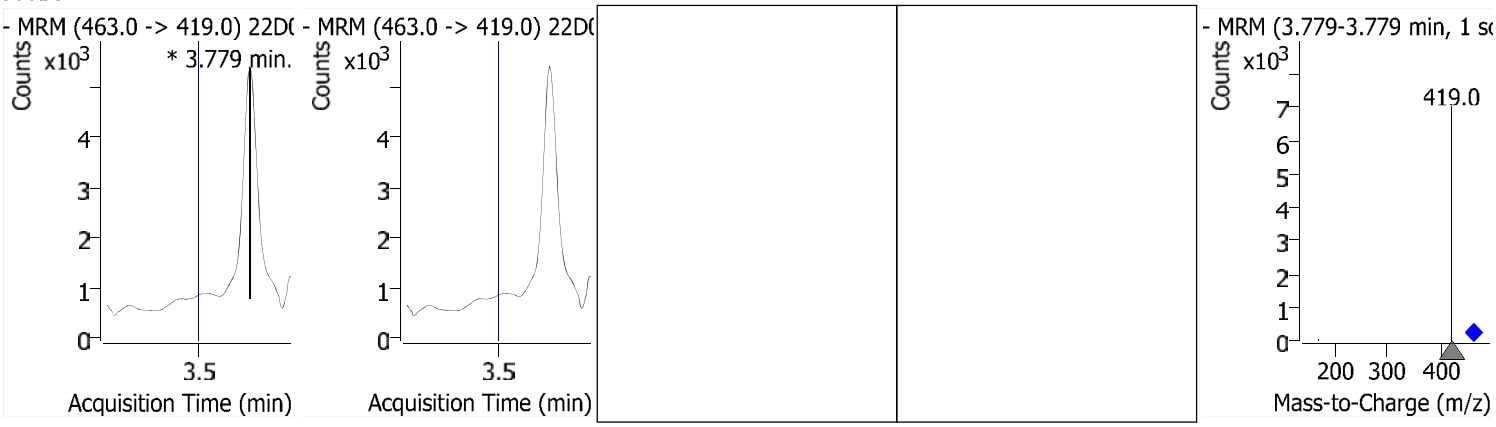
PFHxA



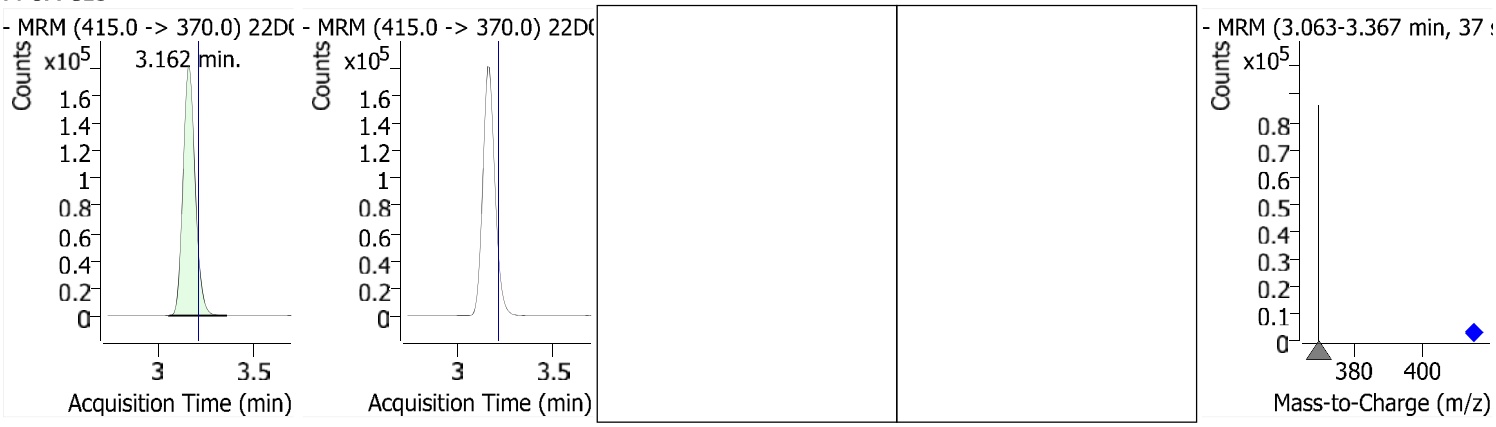
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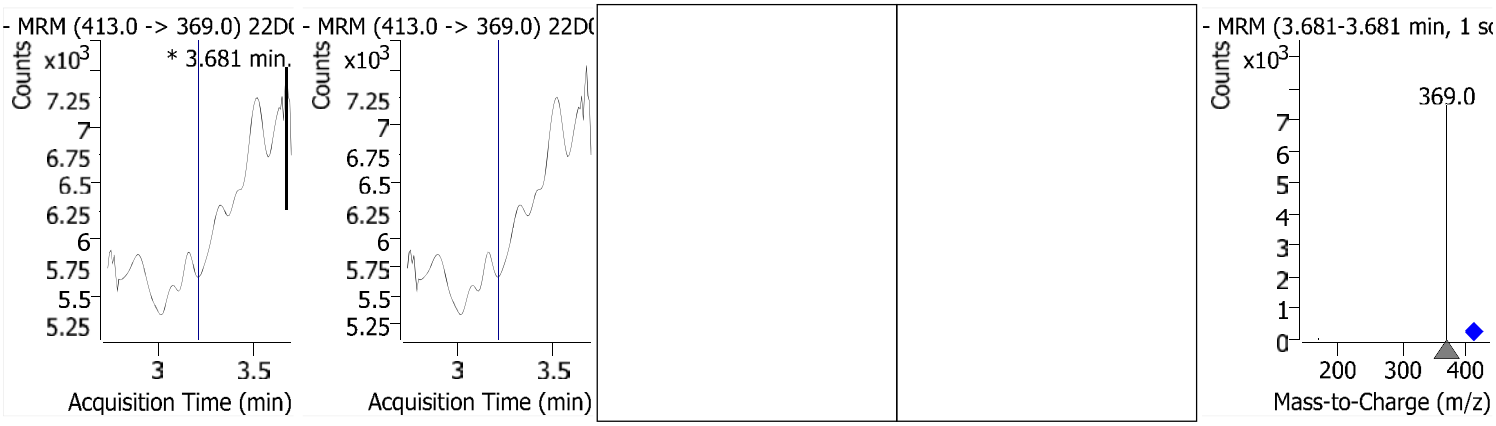
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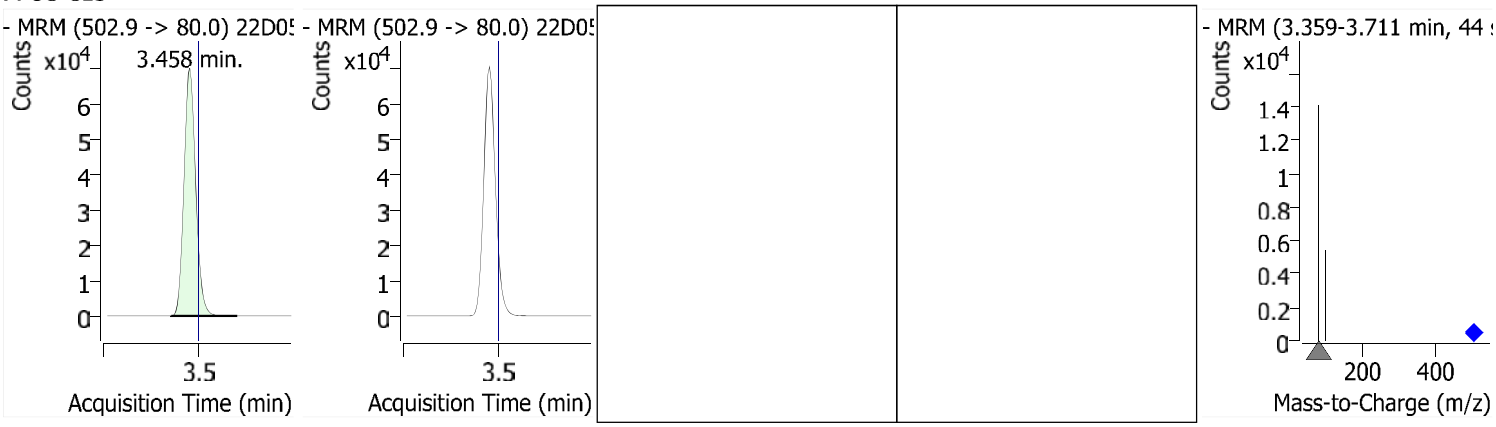
PFOA C13



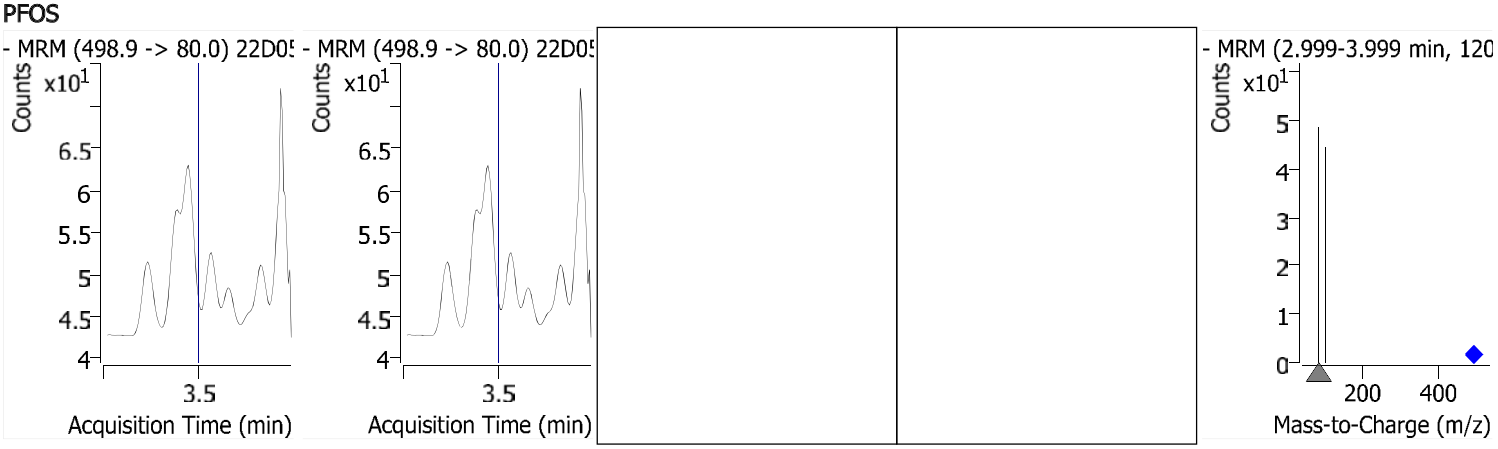
PFOA



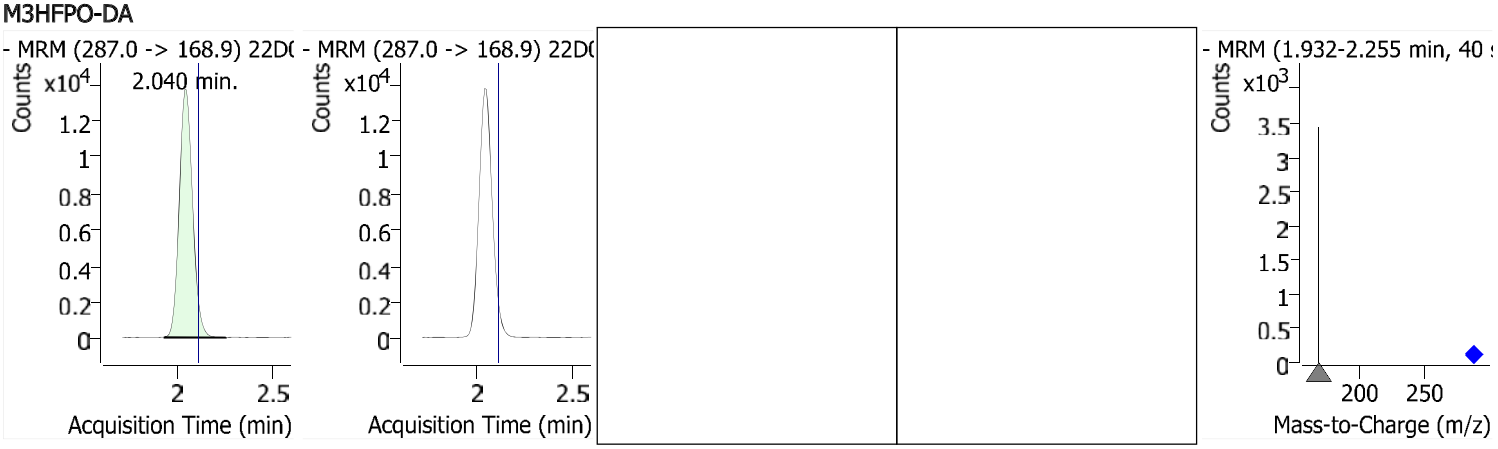
PFOS C13



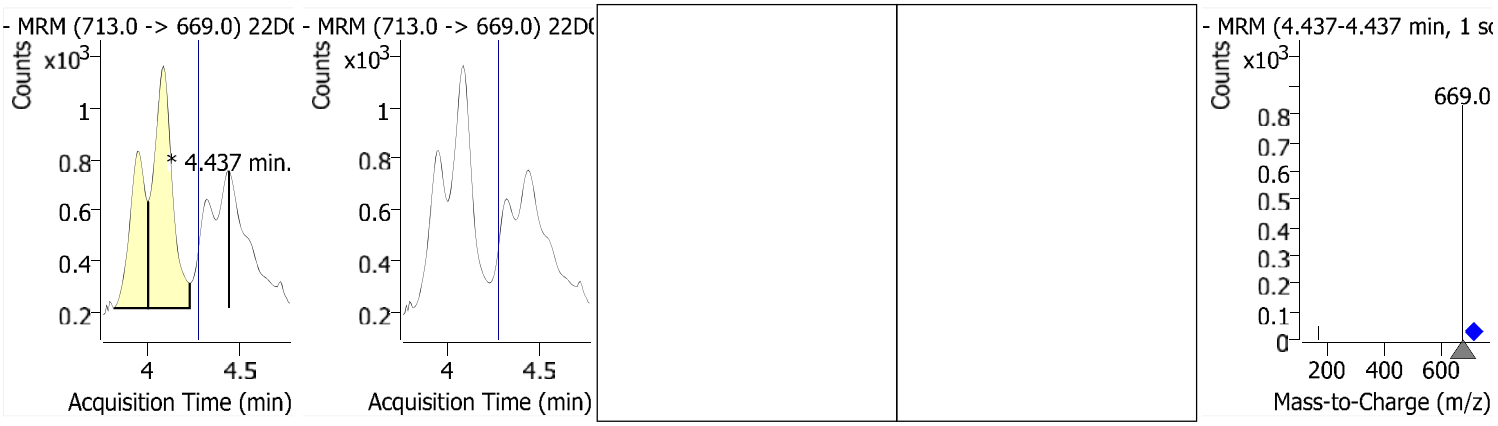
PFOS



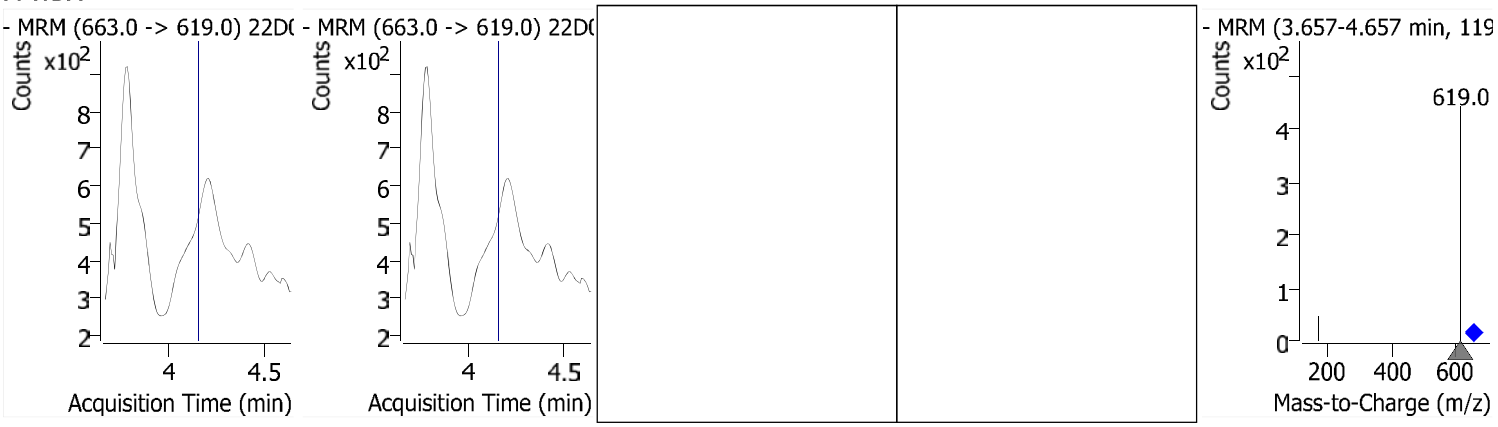
M3HFPO-DA



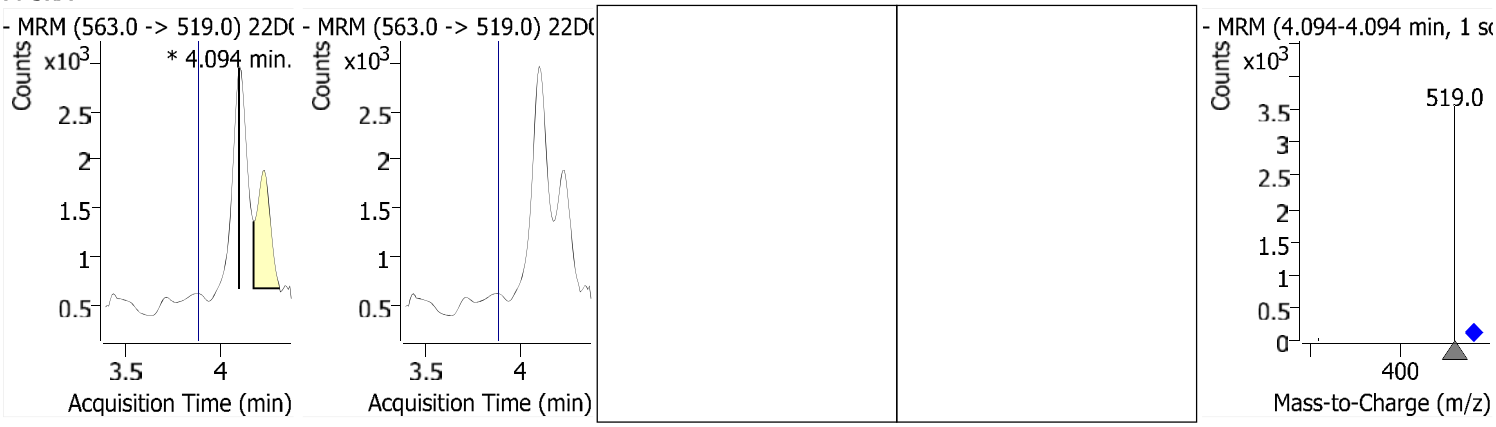
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
2.5
2
1.5
1
0.5
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
2.5
2
1.5
1
0.5
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 s(
Counts
x10^3
519.0
3.5
3
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

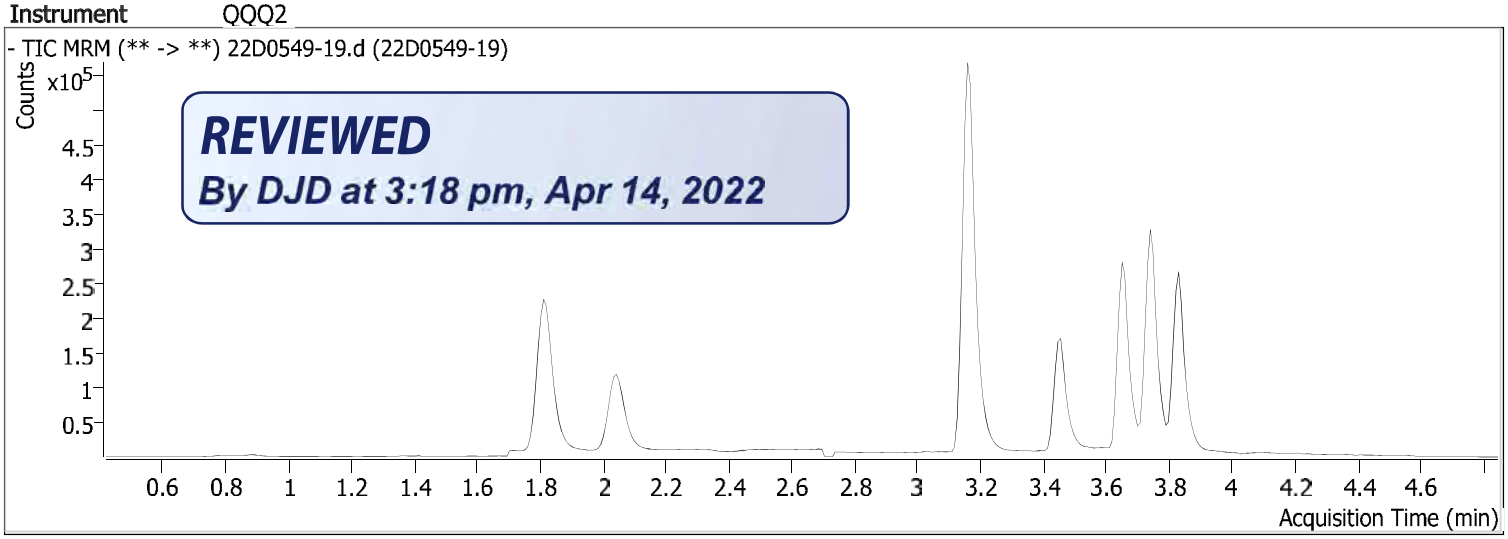
1 - FORM I
ANALYSIS DATA SHEET

907017-FB-04062022

Laboratory:	Con-Test, a Pace Analytical Labora			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science &			Project:	Carroll Landfill - CO SMPC0001
Matrix:	Ground Water	Laboratory ID:	22D0549-19	File ID:	22D0549-19.d
Sampled:	04/06/22 15:30	Prepared:	04/11/22 09:55	Analyzed:	04/13/22 15:26
Solids:		Preparation:	EPA 537.1	Dilution:	1
Initial/Final:	266.86 mL / 1 mL				
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
				Instrument:	QQQ2

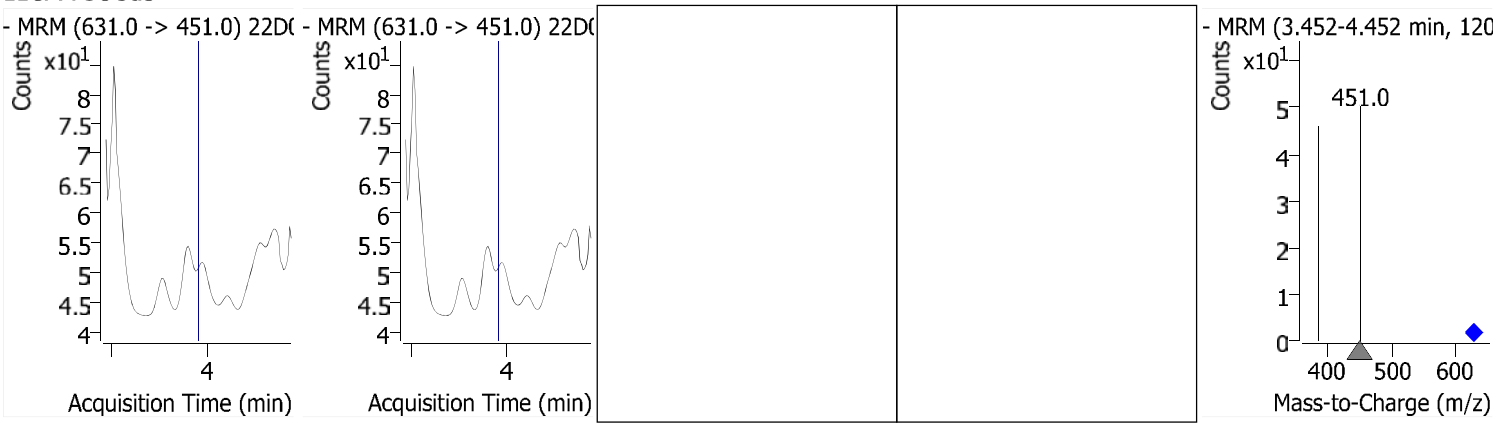
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.56	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.83	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.72	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADONA		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 3:26 PM	Data File	22D0549-19.d
Sample Type	Sample	Sample Name	22D0549-19
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

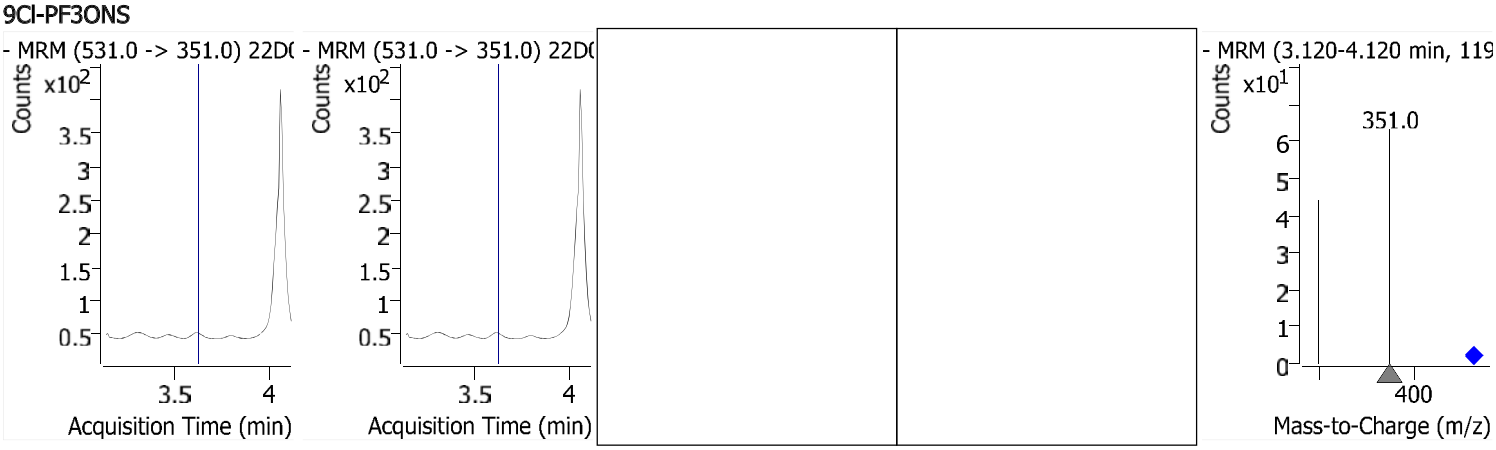


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	316589	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	316589	ND	pg/ml			
ADONA			PFOA C13	3.162	833006	ND	pg/ml			
d5-N-EtFOSAA	3.831	677134	d3-N-MeFOSAA	3.741	830121	35237.4160	pg/ml			
HFPO-DA	2.190	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22
N-EtFOSAA			d3-N-MeFOSAA	3.741	830121	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	830121	ND	pg/ml			
PFBS			PFOS C13	3.458	316589	ND	pg/ml			
PFDA C13	3.653	706134	PFOA C13	3.162	833006	9832.8471	pg/ml			
PFDA	3.719	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.051	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	833006	ND	pg/ml			
PFHxA C13	1.813	762377	PFOA C13	3.162	833006	10001.9536	pg/ml			
PFHxA			PFOA C13	3.162	833006	ND	pg/ml			
PFHxS			PFOS C13	3.458	316589	ND	pg/ml			
PFNA	3.787	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22
PFOA			PFOA C13	3.162	833006	ND	pg/ml			
PFOS			PFOS C13	3.458	316589	ND	pg/ml			
M3HFPO-DA	2.040	71862	PFOA C13	3.162	833006	9269.8472	pg/ml			
PFTA	4.321	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	4.189	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.094	0	PFOA C13	3.162	833006	ND	pg/ml	✔	1	DRL 04/14/22

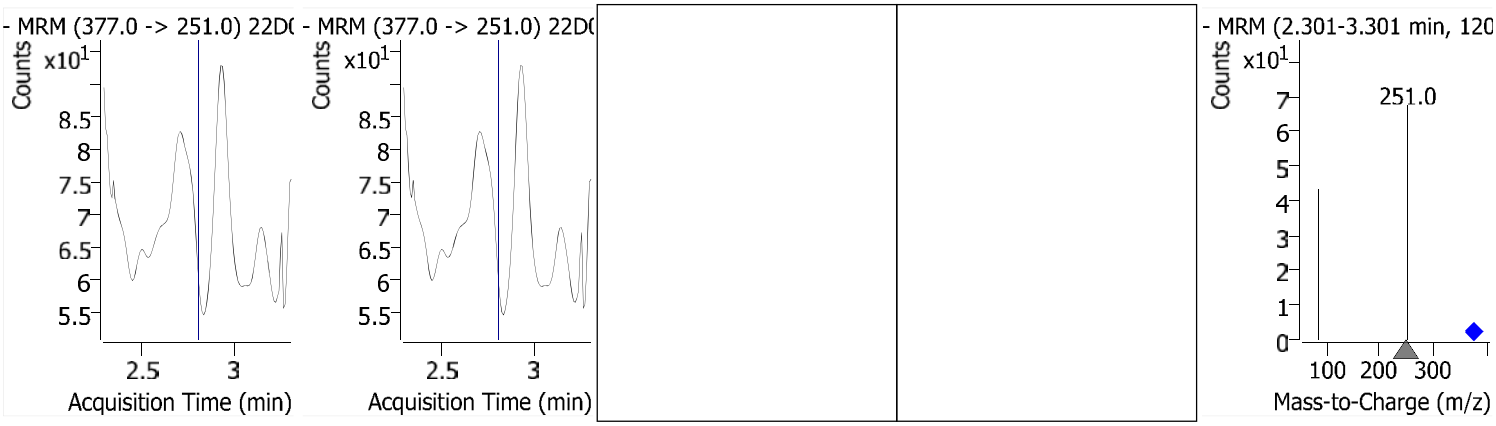
11Cl-PF3OUdS



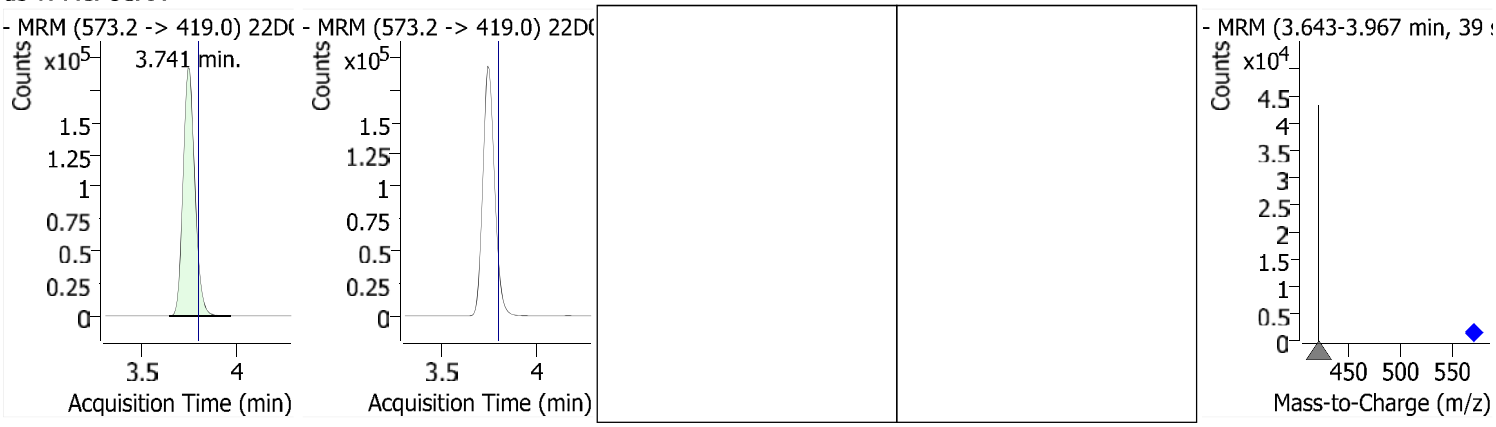
9Cl-PF3ONS



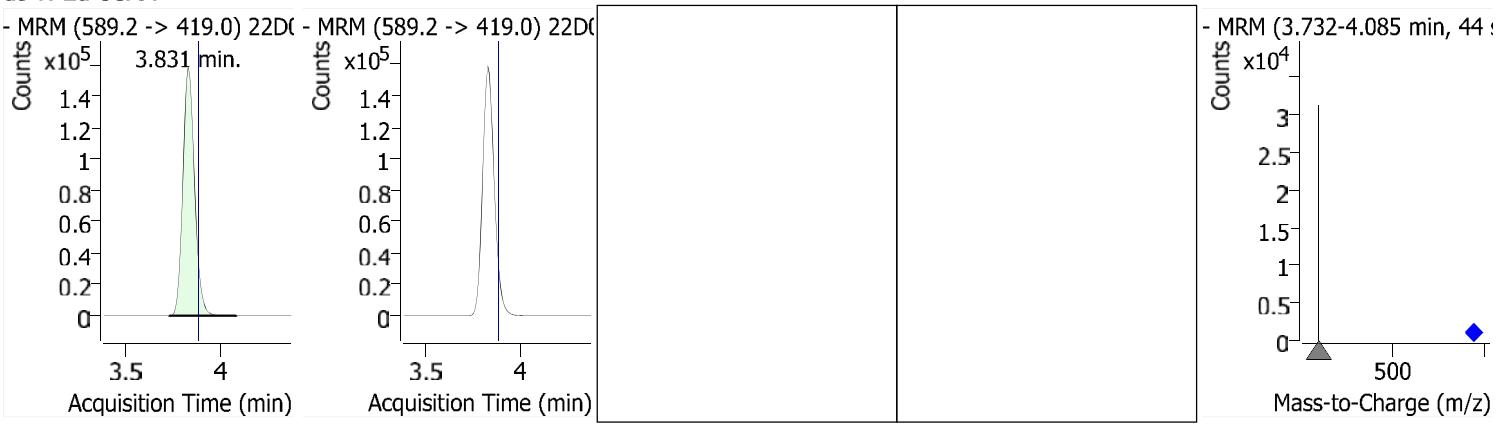
ADONA



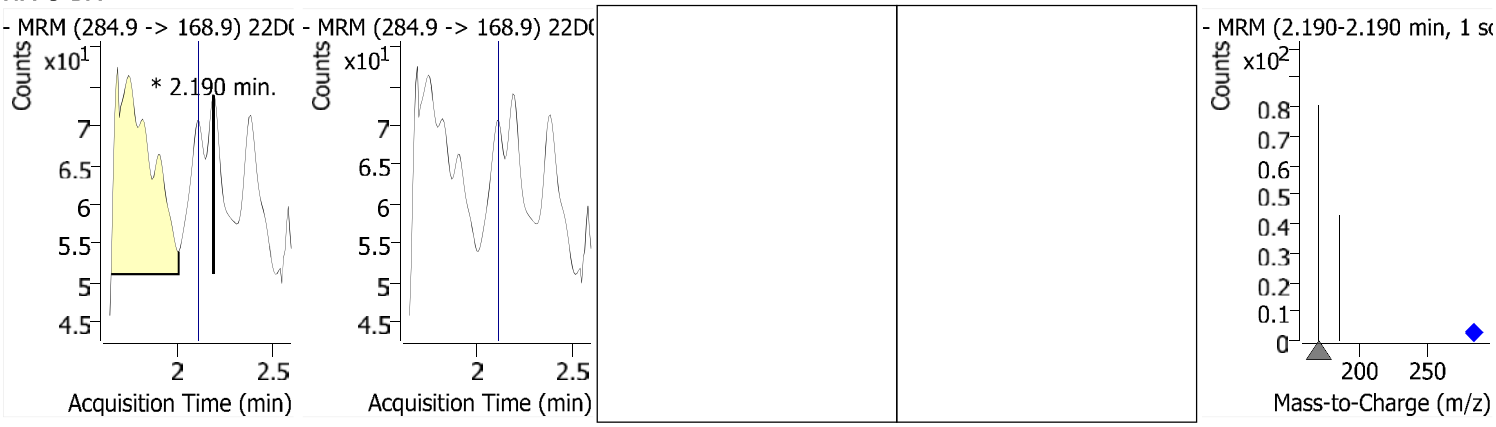
d3-N-MeFOSAA



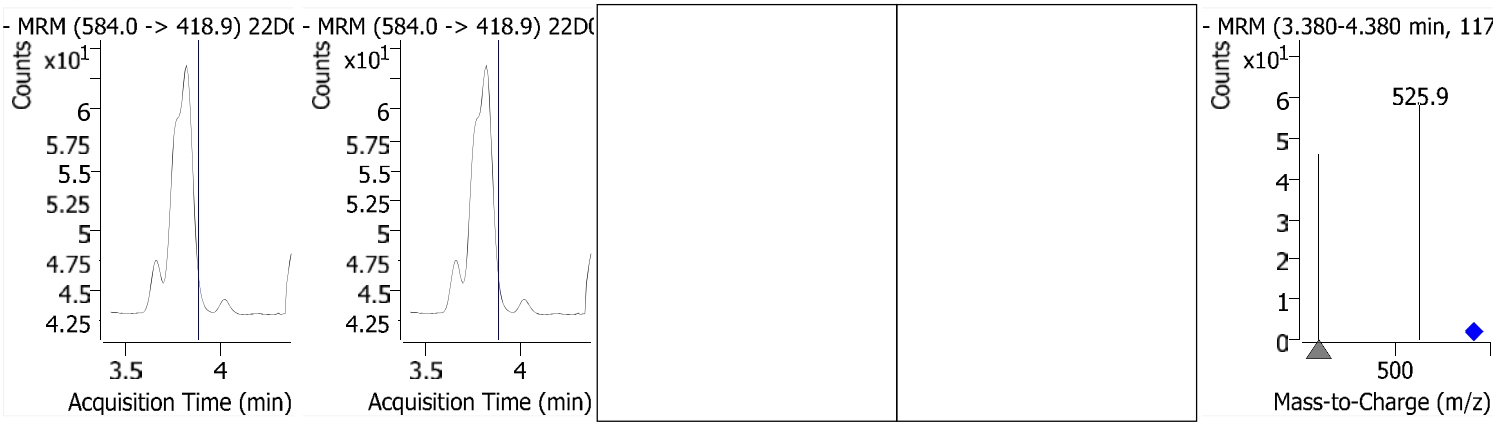
d5-N-EtFOSAA



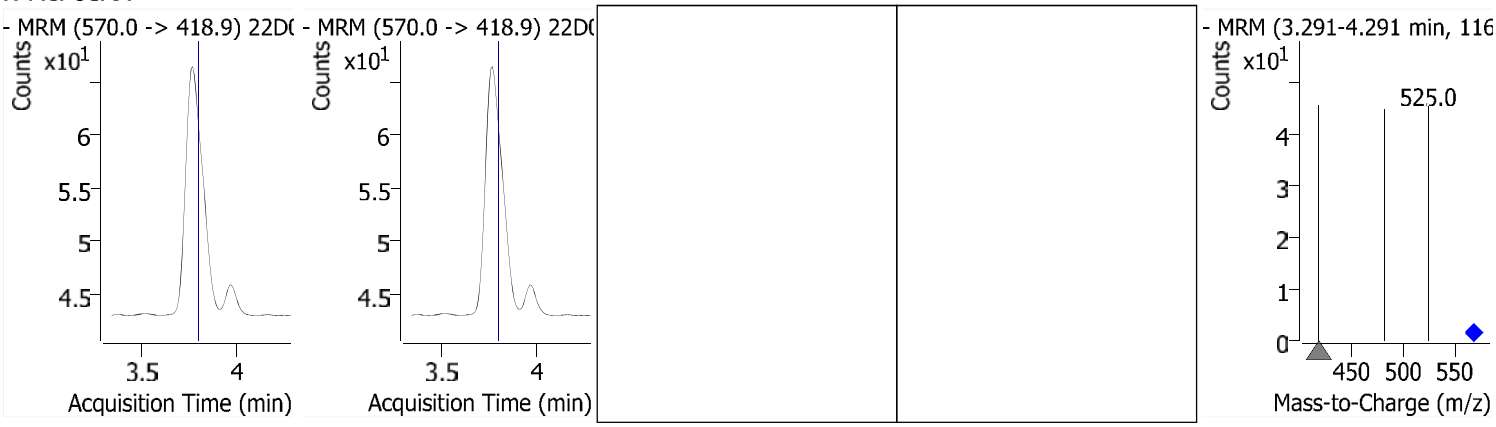
HFPO-DA



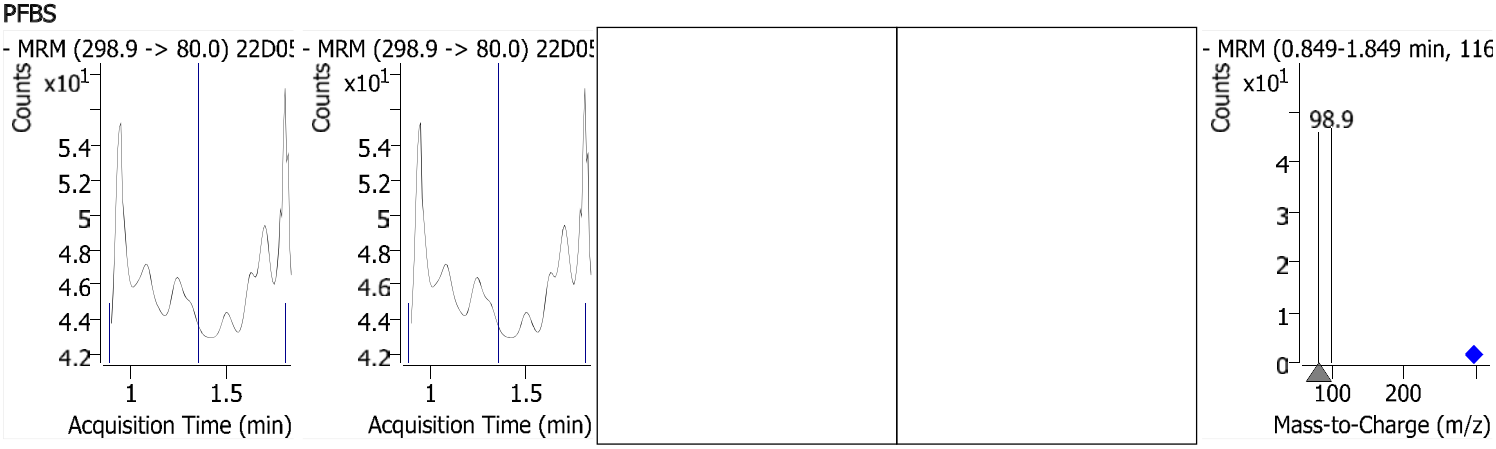
N-EtFOSAA



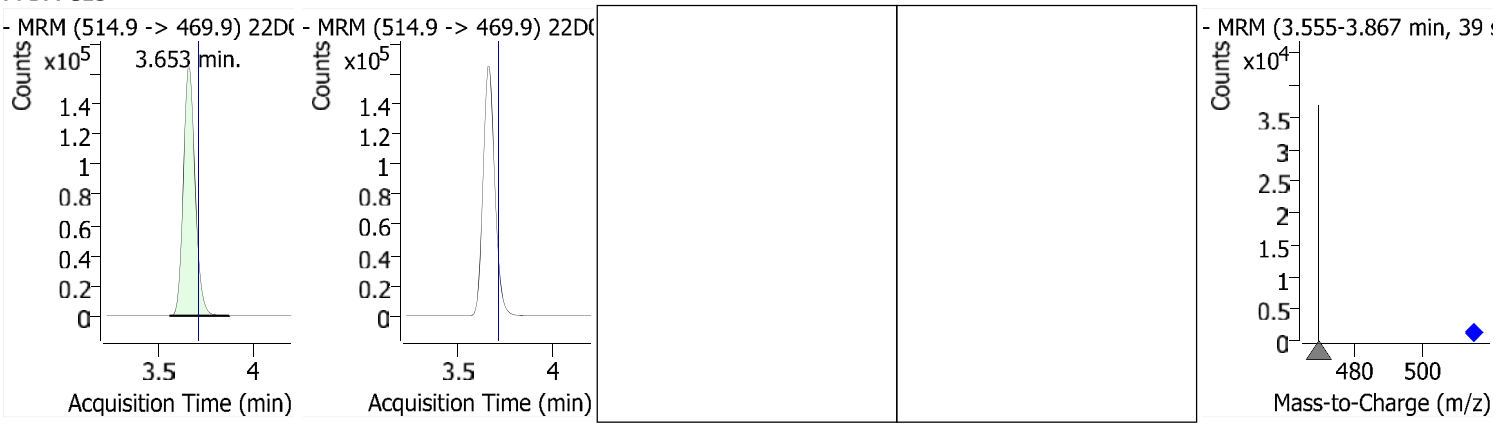
N-MeFOSAA



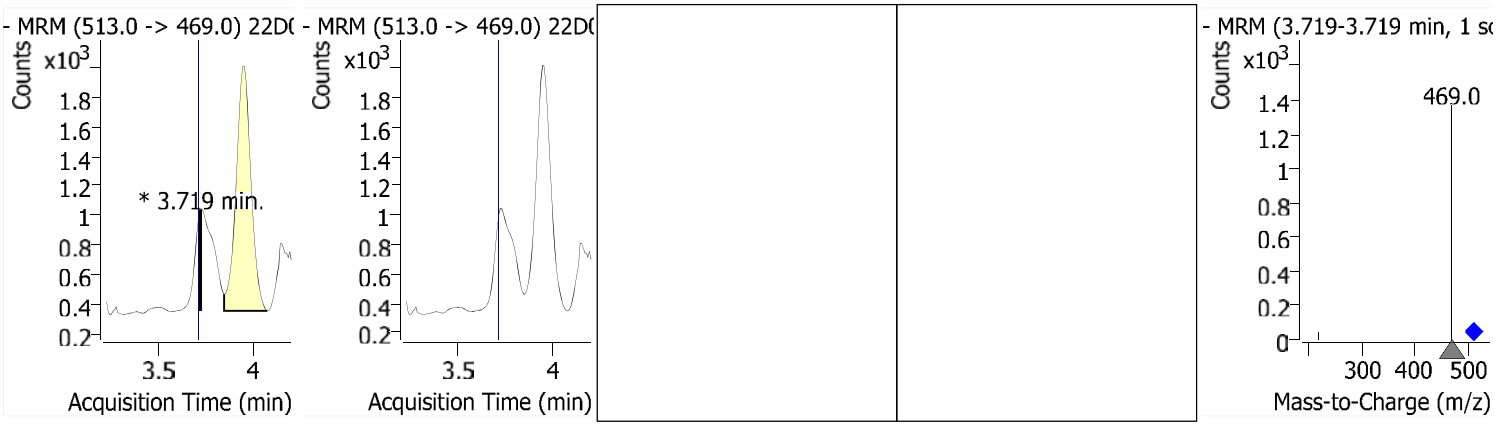
PFBS



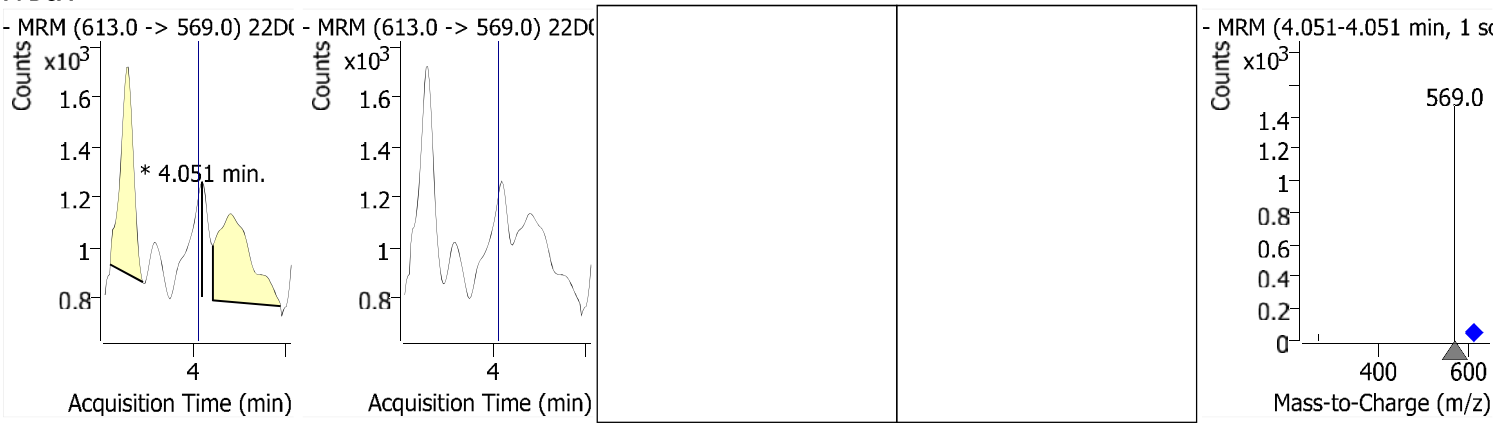
PFDA C13



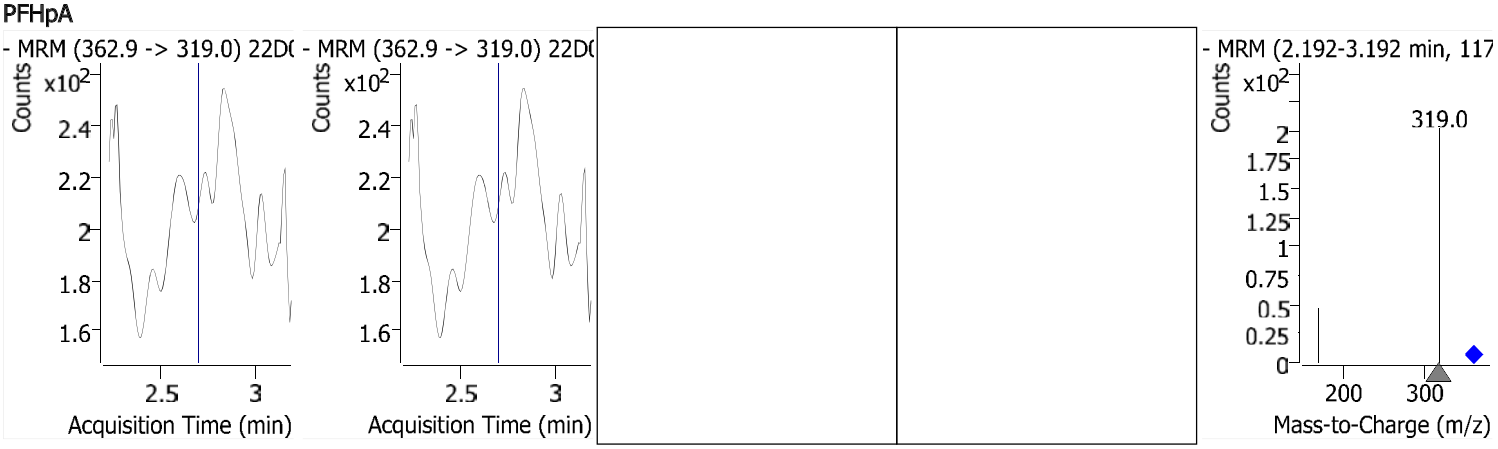
PFDA



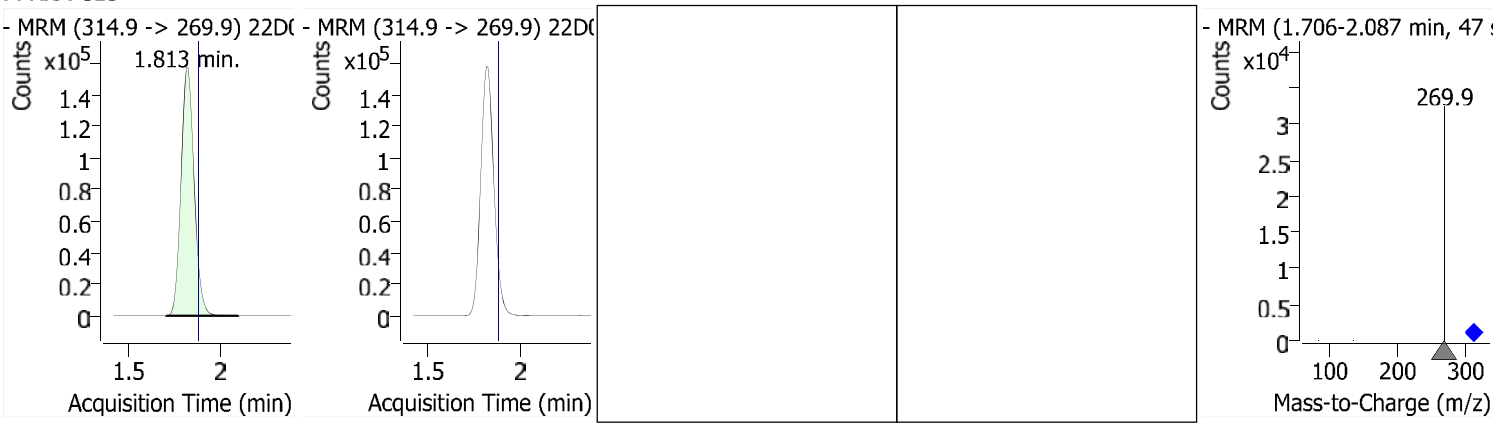
PFDoA



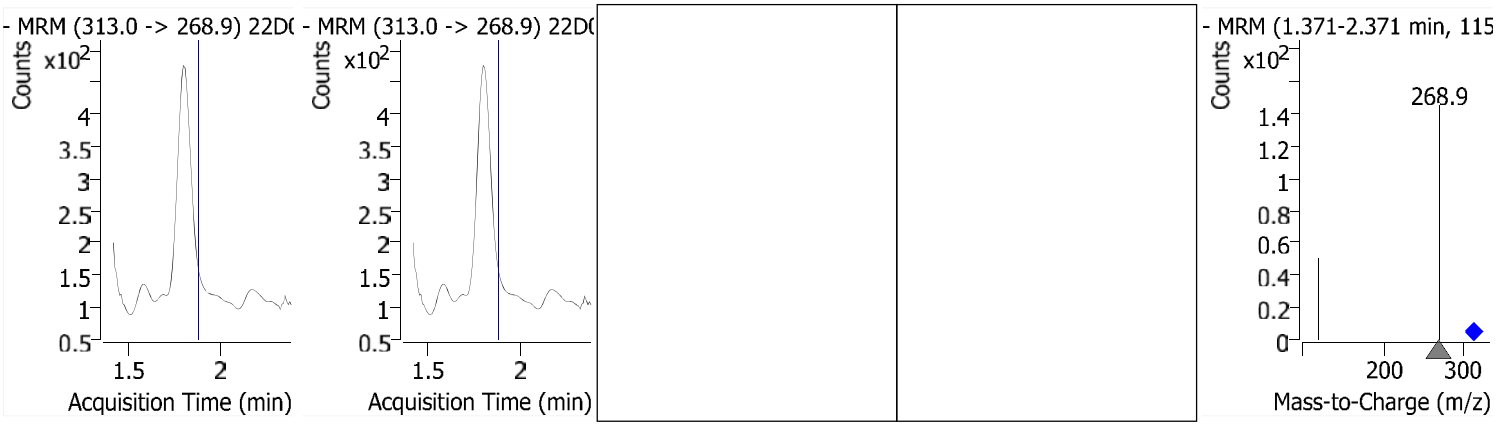
PFHpA



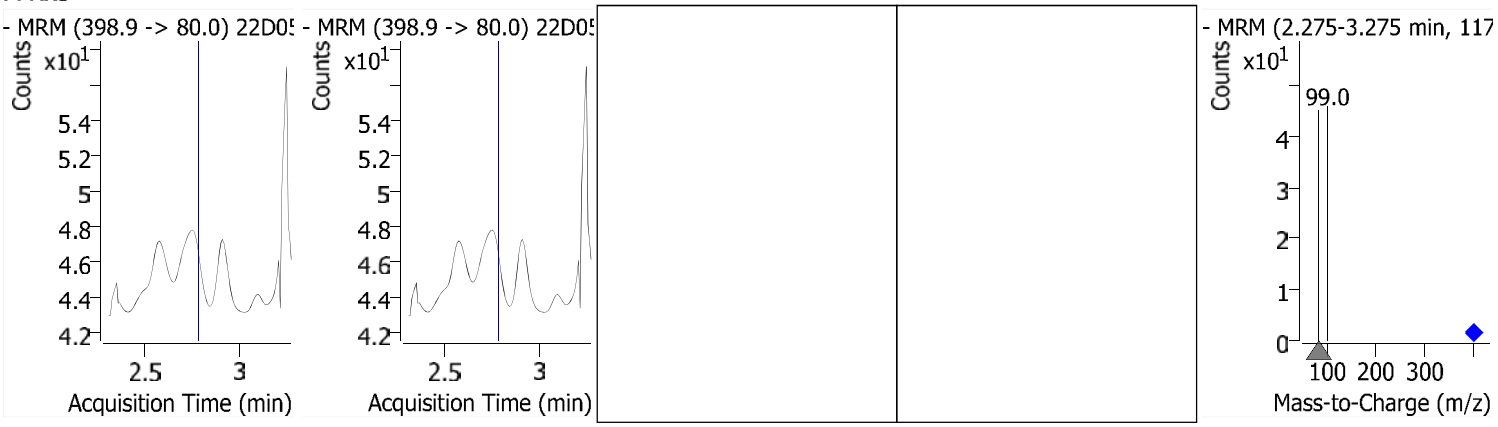
PFHxA C13



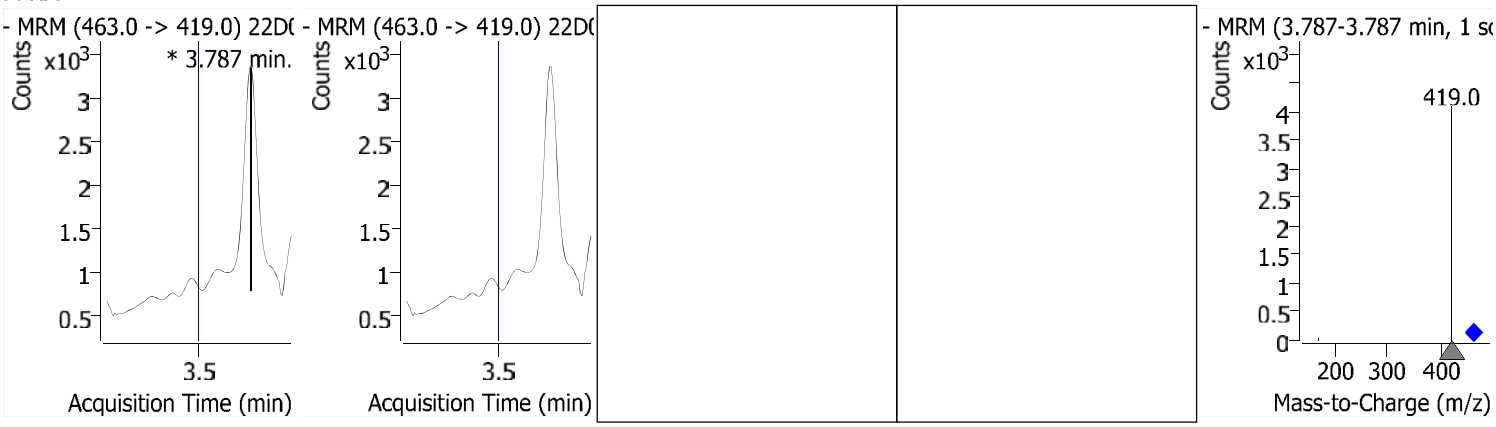
PFHxA



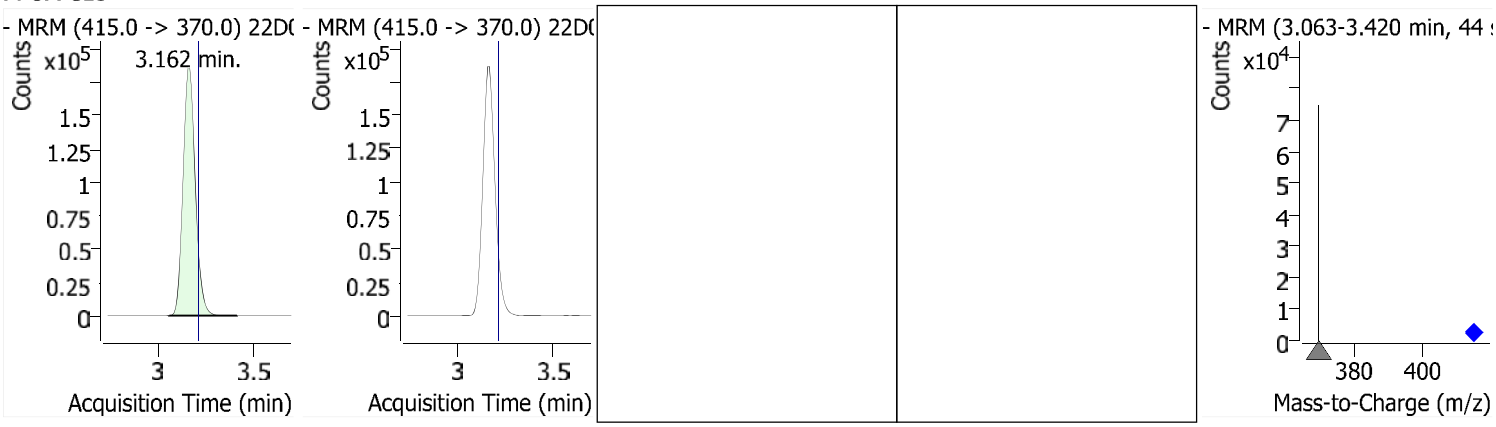
PFHxS



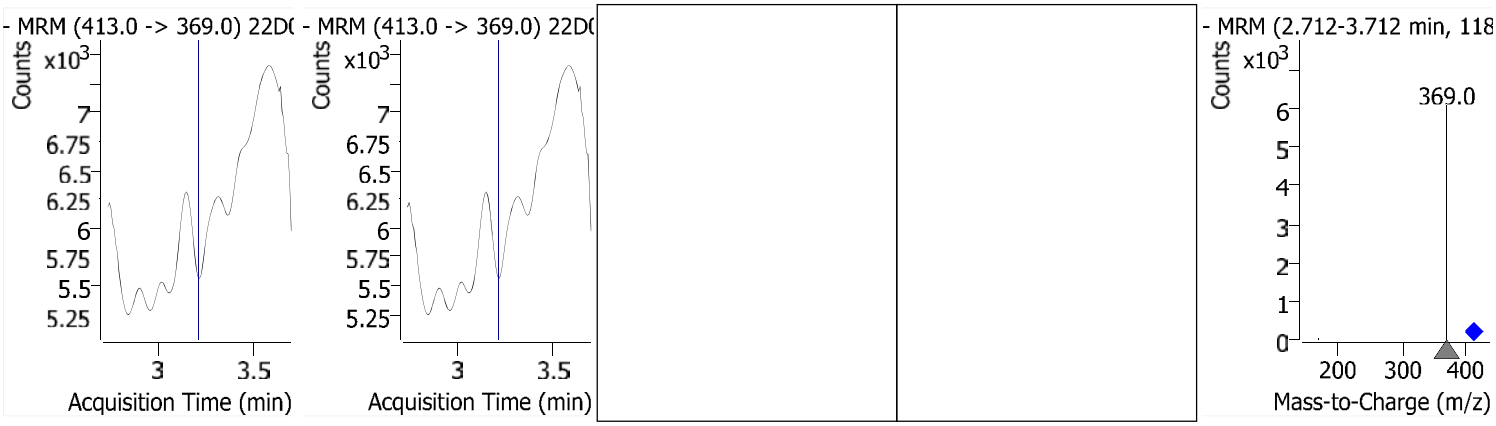
PFNA



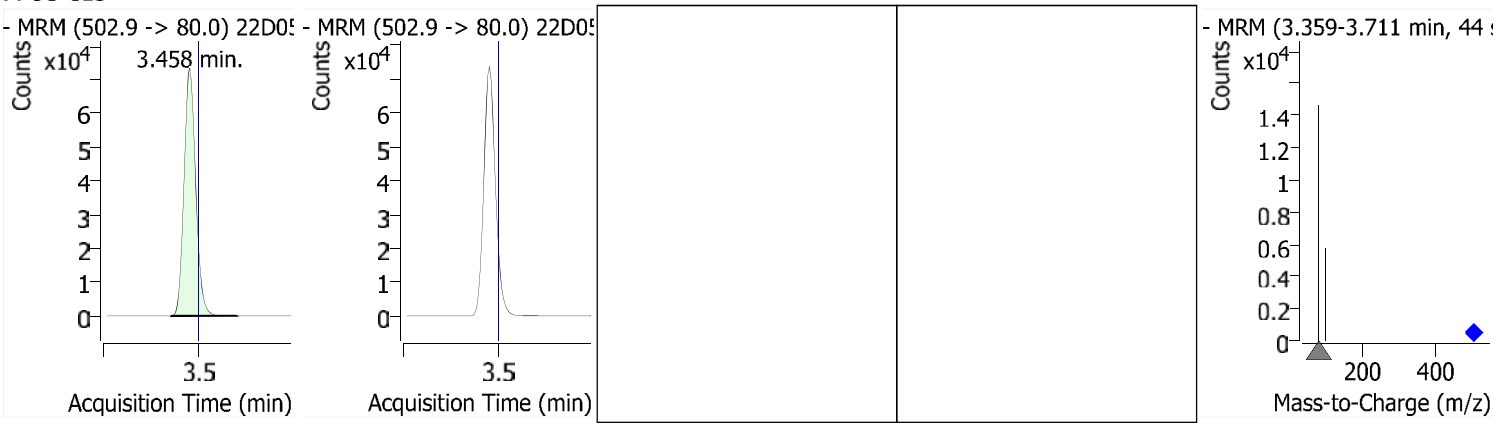
PFOA C13



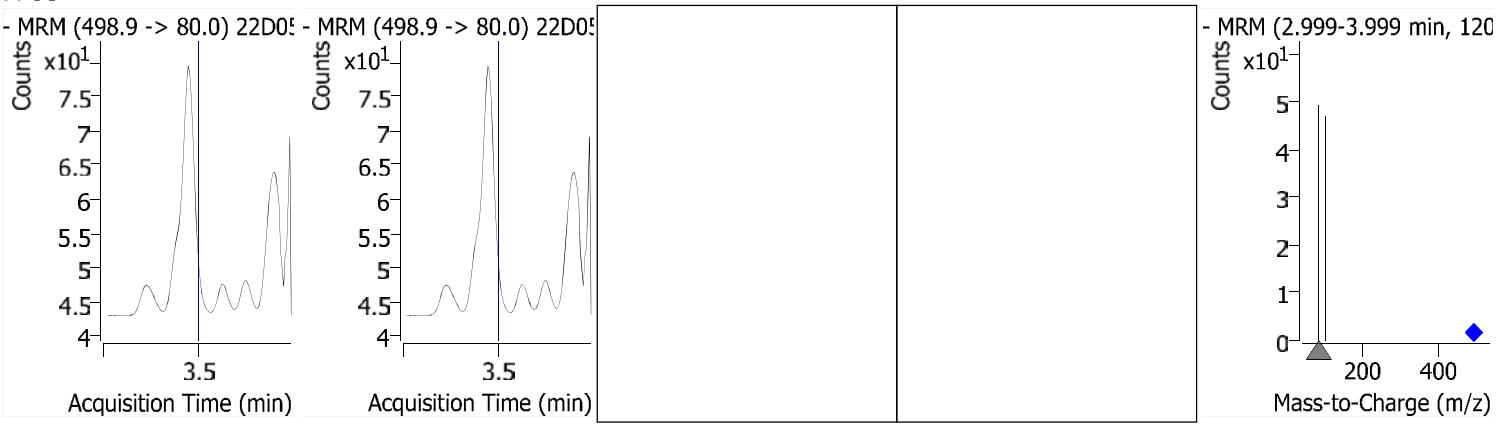
PFOA



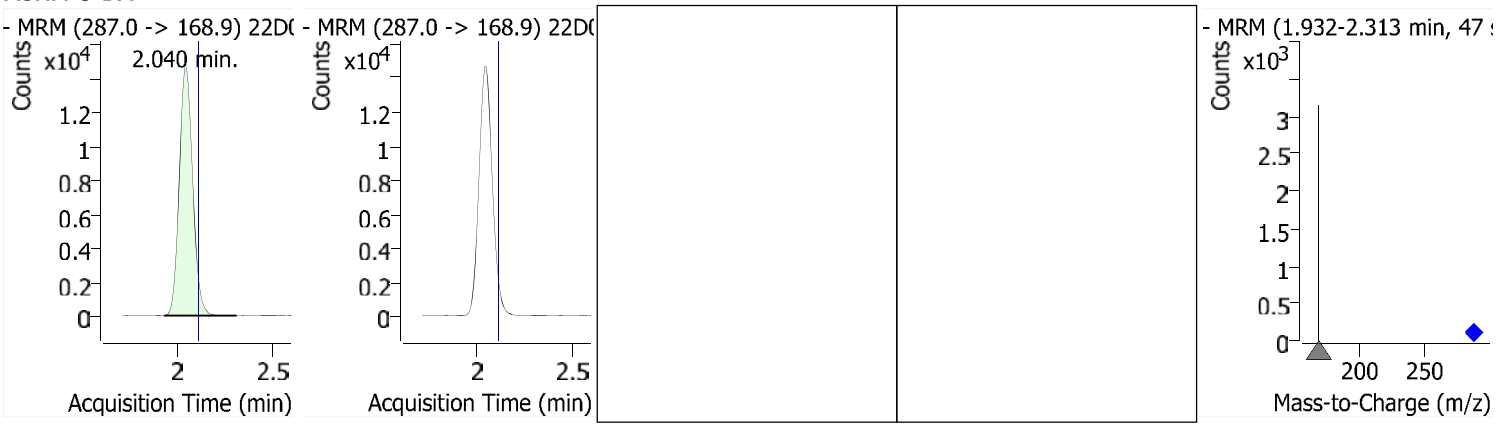
PFOS C13



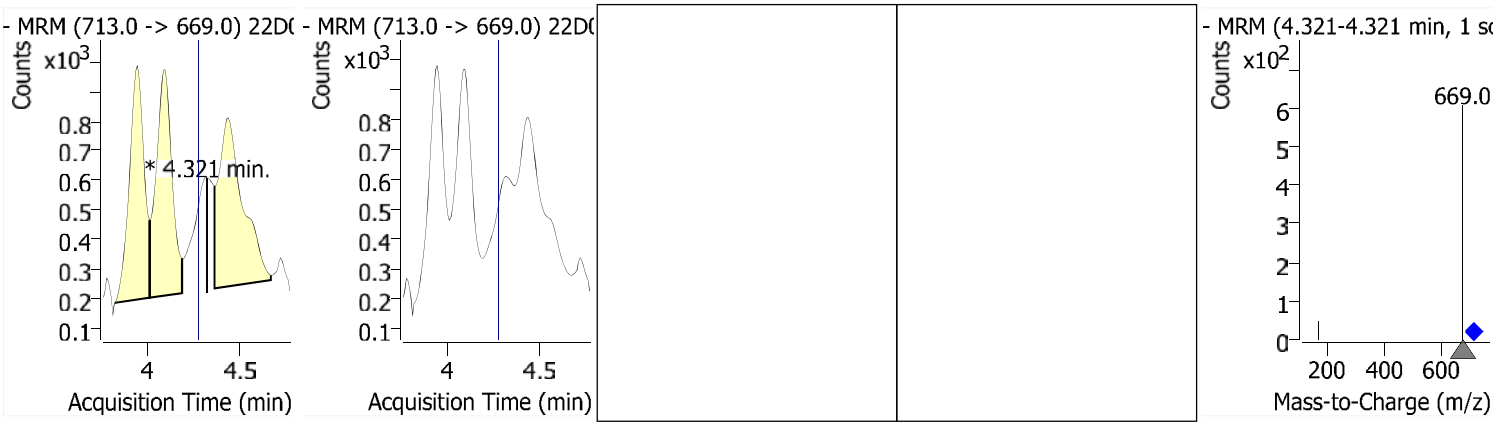
PFOS



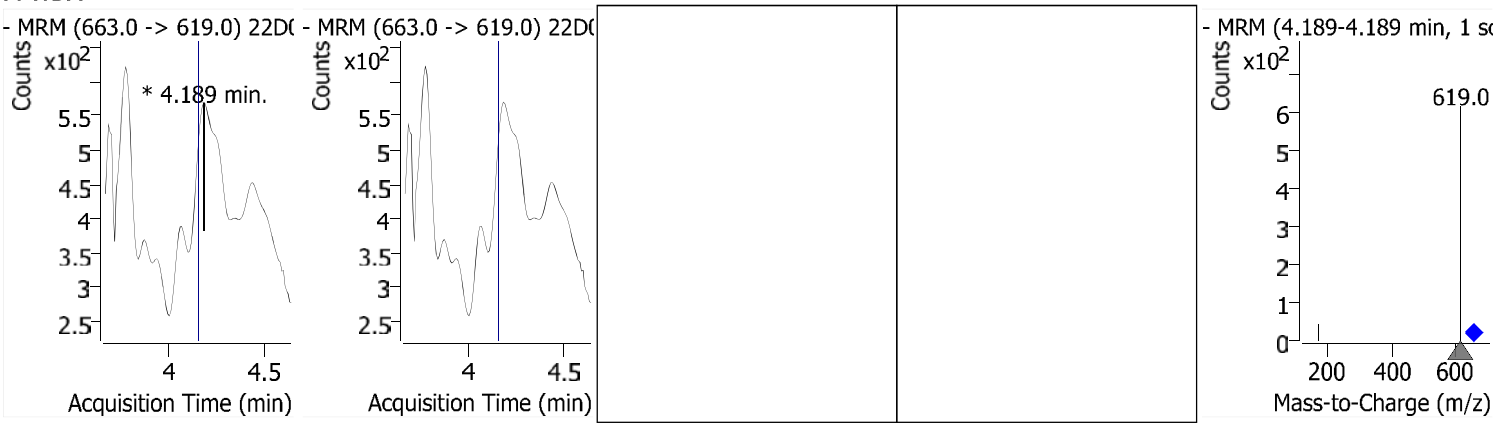
M3HFPO-DA



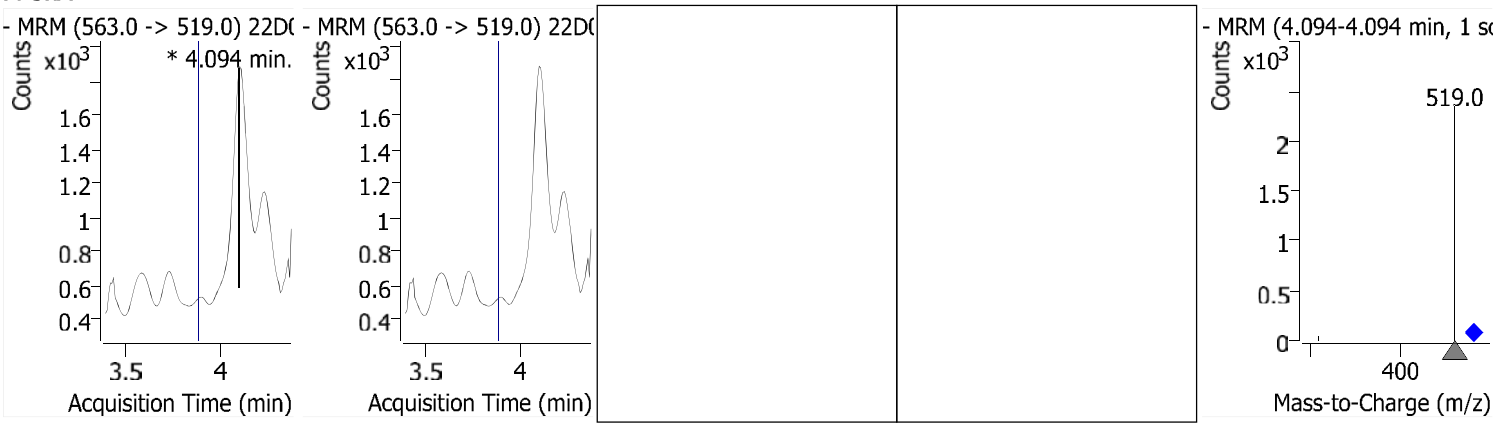
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
* 4.094 min.
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) 22D(
Counts
x10^3
1.6
1.4
1.2
1
0.8
0.6
0.4
3.5
4
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 sc
Counts
x10^3
519.0
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

QC DATA

2 - FORM II

SYSTEM MONITORING COMPOUND SUMMARY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Drinking Water	Instrument:	QQQ2

	13C-PFDA (70% - 130%)	13C-PFHxA (70% - 130%)	d5NEtFOSAA (70% - 130%)	M3HFPO-DA (70% - 130%)
22D0549-01	88.6	91.3	85.9	92.1
22D0549-02	87.7	88.5	87.5	85.7
22D0549-03	89.4	101	90.8	105
22D0549-04	85.7	94.8	86.5	98.3
22D0549-05	91.1	98.7	85.8	102
22D0549-06	85.0	91.1	81.8	96.3
22D0549-07	110	122	107	117
22D0549-08	106	111	101	109
22D0549-09	92.2	105	86.4	105
22D0549-10	92.3	82.7	95.0	84.9
22D0549-11	98.7	102	96.3	101
22D0549-12	108	113	102	113
22D0549-13	105	112	101	107
22D0549-14	97.4	108	94.4	109
22D0549-15	98.6	111	93.9	110
22D0549-16	103	119	110	114
22D0549-17	95.9	96.5	96.9	95.3
22D0549-18	98.1	92.9	99.2	89.0
22D0549-19	98.3	100	88.1	92.7
B305410-BLK1	105	106	100	103
B305410-BS1	90.7	95.5	92.1	90.7
B305410-MS1	95.0	99.7	91.4	98.4
B305410-MSD1	103	106	101	105

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Drinking Water	Analysis:	EPA 537.1
Batch:	B305410	Preparation:	EPA 537.1
% Solids:		Laboratory ID:	B305410-MS1
Initial/Final:	242.49 mL / 1 mL	Sample Lab ID:	22D0549-15
Column:			

ANALYTE	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC.	QC LIMITS REC.
Perfluorobutanesulfonic acid (PFBS)	9.14	ND	7.44	81.3	70 - 130
Perfluorohexanoic acid (PFHxA)	10.3	ND	9.49	92.0	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	9.42	ND	8.30	88.1	70 - 130
Perfluoroheptanoic acid (PFHpA)	10.3	ND	8.97	87.0	70 - 130
Perfluorooctanoic acid (PFOA)	10.3	ND	9.73	94.3	70 - 130
Perfluorooctanesulfonic acid (PFOS)	9.57	ND	8.33	87.0	70 - 130
Perfluorononanoic acid (PFNA)	10.3	ND	9.36	90.8	70 - 130
Perfluorodecanoic acid (PFDA)	10.3	ND	8.35	81.0	70 - 130
N-EtFOSAA	10.3	ND	8.45	81.9	70 - 130
Perfluoroundecanoic acid (PFUnA)	10.3	ND	8.83	85.6	70 - 130
N-MeFOSAA	10.3	ND	8.44	81.9	70 - 130
Perfluorododecanoic acid (PFDoA)	10.3	ND	8.81	85.4	70 - 130
Perfluorotridecanoic acid (PFTrDA)	10.3	ND	9.08	88.0	70 - 130
Perfluorotetradecanoic acid (PFTA)	10.3	ND	8.79	85.2	70 - 130
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.3	ND	7.82	75.9	70 - 130
11Cl-PF3OUdS (F53B Minor)	9.72	ND	8.13	83.6	70 - 130
9Cl-PF3ONS (F53B Major)	9.62	ND	8.40	87.4	70 - 130
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.74	ND	8.97	92.1	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

907017-MW-109D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Drinking Water	Analysis:	EPA 537.1
Batch:	B305410	Preparation:	EPA 537.1
% Solids:		Laboratory ID:	B305410-MSD1
Initial/Final:	237.43 mL / 1 mL	Sample Lab ID:	22D0549-15
Column:			

ANALYTE	SPIKE ADDED (ng/L)	MSD CONCENTRATION (ng/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Perfluorobutanesulfonic acid (PFBS)	9.34	8.13	87.0	8.90	30	70 - 130
Perfluorohexanoic acid (PFHxA)	10.5	10.3	97.6	7.98	30	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	9.62	9.09	94.5	9.05	30	70 - 130
Perfluoroheptanoic acid (PFHpA)	10.5	10.2	96.4	12.4	30	70 - 130
Perfluorooctanoic acid (PFOA)	10.5	10.7	102	9.72	30	70 - 130
Perfluorooctanesulfonic acid (PFOS)	9.77	9.77	100	15.9	30	70 - 130
Perfluorononanoic acid (PFNA)	10.5	10.8	102	14.1	30	70 - 130
Perfluorodecanoic acid (PFDA)	10.5	9.17	87.1	9.29	30	70 - 130
N-EtFOSAA	10.5	10.1	95.7	17.6	30	70 - 130
Perfluoroundecanoic acid (PFUnA)	10.5	9.98	94.8	12.3	30	70 - 130
N-MeFOSAA	10.5	8.94	84.9	5.71	30	70 - 130
Perfluorododecanoic acid (PFDoA)	10.5	9.12	86.6	3.48	30	70 - 130
Perfluorotridecanoic acid (PFTrDA)	10.5	10.1	96.2	10.9	30	70 - 130
Perfluorotetradecanoic acid (PFTA)	10.5	9.77	92.8	10.6	30	70 - 130
Hexafluoropropylene oxide dimer acid (HFPO-DA)	10.5	8.98	85.3	13.8	30	70 - 130
11Cl-PF3OUdS (F53B Minor)	9.93	9.20	92.7	12.4	30	70 - 130
9Cl-PF3ONS (F53B Major)	9.82	9.20	93.7	9.07	30	70 - 130
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.95	9.79	98.4	8.74	30	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Matrix:	Drinking Water	Preparation:	EPA 537.1
Batch:	B305410	Laboratory ID:	B305410-BS1
Column:		Initial/Final:	269.33 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
Perfluorobutanesulfonic acid (PFBS)	8.23	6.68	81.2	70 - 130
Perfluorohexanoic acid (PFHxA)	9.28	7.67	82.6	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	8.48	7.04	83.0	70 - 130
Perfluoroheptanoic acid (PFHpA)	9.28	7.85	84.5	70 - 130
Perfluorooctanoic acid (PFOA)	9.28	8.10	87.2	70 - 130
Perfluorooctanesulfonic acid (PFOS)	8.61	7.78	90.4	70 - 130
Perfluorononanoic acid (PFNA)	9.28	9.04	97.3	70 - 130
Perfluorodecanoic acid (PFDA)	9.28	6.87	74.0	70 - 130
N-EtFOSAA	9.28	7.22	77.7	70 - 130
Perfluoroundecanoic acid (PFUnA)	9.28	7.51	80.9	70 - 130
N-MeFOSAA	9.28	7.40	79.8	70 - 130
Perfluorododecanoic acid (PFDoA)	9.28	7.19	77.4	70 - 130
Perfluorotridecanoic acid (PFTrDA)	9.28	7.57	81.5	70 - 130
Perfluorotetradecanoic acid (PFTA)	9.28	7.85	84.6	70 - 130
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.28	7.58	81.7	70 - 130
11Cl-PF3OUdS (F53B Minor)	8.75	6.77	77.4	70 - 130
9Cl-PF3ONS (F53B Major)	8.66	7.05	81.4	70 - 130
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	8.77	7.28	83.0	70 - 130

4 - FORM IV
METHOD BLANK SUMMARY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Blank ID:	B305410-BLK1 Batch: B305410	Prepared:	04/11/2022 09:55

Client Sample ID	Laboratory Sample ID	Lab File ID	Time Analyzed
LCS	B305410-BS1	B305410-BS1.d	12:41
Matrix Spike	B305410-MS1	B305410-MS1.d	12:55
Matrix Spike Dup	B305410-MSD1	B305410-MSD1.d	13:02
907017-MW-116S	22D0549-01	22D0549-01.d	13:10
907017-MW-109S	22D0549-02	22D0549-02.d	13:17
907017-MW-113S	22D0549-03	22D0549-03.d	13:24
907017-DUP-04062022	22D0549-04	22D0549-04.d	13:31
907017-MW-101	22D0549-05	22D0549-05.d	13:38
907017-MW-117S	22D0549-06	22D0549-06.d	13:45
907017-MW-118S	22D0549-07	22D0549-07.d	13:53
907017-MW-114S	22D0549-08	22D0549-08.d	14:00
907017-MW-115S	22D0549-09	22D0549-09.d	14:07
907017-MW-102I	22D0549-10	22D0549-10.d	14:14
907017-MW-102S	22D0549-11	22D0549-11.d	14:28
907017-MW-117D	22D0549-12	22D0549-12.d	14:35
907017-MW-117I	22D0549-13	22D0549-13.d	14:43
907017-MW-109I	22D0549-14	22D0549-14.d	14:50
907017-MW-109D	22D0549-15	22D0549-15.d	14:57
907017-RB-04052022	22D0549-16	22D0549-16.d	15:04
907017-FB-04052022	22D0549-17	22D0549-17.d	15:11
907017-RB-04062022	22D0549-18	22D0549-18.d	15:18
907017-FB-04062022	22D0549-19	22D0549-19.d	15:26

CALIBRATION DATA

6 - FORM VI
INITIAL CALIBRATION DATA SHEET

EPA 537.1

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0548

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200181 Instrument: QQQ2

Calibration Date: 4/12/2022 12:00:04AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Perfluorobutanesulfonic acid (PI	222	1.522531	444	1.377568	887	1.439057	2220	1.832313	4440	1.73421	8870	1.712131
Perfluorohexanoic acid (PFHxA)	250	0.5996586	500	0.5874875	1000	0.5811904	2500	0.7503254	5000	0.6770899	10000	0.6758696
Perfluorohexanesulfonic acid (P	228	1.008791	457	1.039446	914	1.020528	2280	1.326194	4570	1.211156	9140	1.202168
Perfluoroheptanoic acid (PFHpA	250	0.3297968	500	0.3350746	1000	0.3471283	2500	0.437842	5000	0.4122722	10000	0.4118555
Perfluorooctanoic acid (PFOA)	250	0.8694994	500	0.8715988	1000	0.9284939	2500	1.13785	5000	1.023959	10000	0.9963667
Perfluorooctanesulfonic acid (PI	232	0.8929894	464	0.8510638	928	0.8328344	2320	1.135713	4640	1.016603	9280	0.9886206
Perfluorononanoic acid (PFNA)	250	0.7036488	500	0.6776773	1000	0.7099259	2500	0.8752743	5000	0.7757773	10000	0.7733453
Perfluorodecanoic acid (PFDA)	250	0.7344868	500	0.6960141	1000	0.6602124	2500	0.8485647	5000	0.8097801	10000	0.7639182
N-EtFOSAA	250	0.7318625	500	0.7011245	1000	0.8183187	2500	0.9889459	5000	0.90955	10000	0.8652966
Perfluoroundecanoic acid (PFUI	250	0.750182	500	0.6010393	1000	0.6601819	2500	0.8170611	5000	0.7549725	10000	0.7426319
N-MeFOSAA	250	0.7687757	500	0.8139682	1000	0.8550363	2500	1.097909	5000	1.039976	10000	1.036771
Perfluorododecanoic acid (PFD	250	0.6982235	500	0.6701264	1000	0.684247	2500	0.8707472	5000	0.8062528	10000	0.7855166
Perfluorotridecanoic acid (PFTrI	250	0.8846793	500	0.8605149	1000	0.9147409	2500	1.164088	5000	1.059559	10000	1.064354
Perfluorotetradecanoic acid (PF	250	0.7370462	500	0.7794542	1000	0.8278393	2500	1.139315	5000	1.029751	10000	1.03978
Hexafluoropropylene oxide dime	250	0.0432485	500	3.873948E-02	1000	4.078646E-02	2500	5.109925E-02	5000	4.514951E-02	10000	4.701528E-02
11Cl-PF3OUdS (F53B Minor)	236	1.628261	472	1.624905	943	1.835818	2360	2.313033	4720	2.192012	9430	2.114312
9Cl-PF3ONS (F53B Major)	233	5.430259	466	4.842357	933	5.358548	2330	6.983474	4660	6.211566	9330	6.142984
4,8-dioxa-3H-perfluorononanoic	236	1.151209	472	1.129814	945	1.182263	2360	1.529203	4720	1.374643	9450	1.37141
13C-PFHxA	10000	0.9318938	10000	0.8603919	10000	0.918497	10000	0.8829242	10000	0.9021379	10000	0.9200441
M3HFPO-DA	10000	0.0918026	10000	8.813431E-02	10000	9.373697E-02	10000	8.867807E-02	10000	0.0960713	10000	9.284598E-02
13C-PFDA	10000	0.8964852	10000	0.8582498	10000	0.8941409	10000	0.8594786	10000	0.8739275	10000	0.8680111
d5-NEtFOSAA	40000	0.9828807	40000	0.926877	40000	0.9735784	40000	0.9166316	40000	0.9457855	40000	0.9525731

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA 537.1

Client: NYDEC EA Engineering, Science & Tech. - NY SDG: 22D0548

Project: Carroll Landfill - CO SMPC0001

Calibration: 2200181 Instrument: QQQ2

Calibration Date: 4/12/2022 12:00:04AM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Perfluorobutanesulfonic acid (PI	22200	1.919557	44400	1.938007								
Perfluorohexanoic acid (PFHxA)	25000	0.7376155	50000	0.7505474								
Perfluorohexanesulfonic acid (P	22800	1.35636	45700	1.39871								
Perfluoroheptanoic acid (PFHpA	25000	0.4500398	50000	0.4595926								
Perfluorooctanoic acid (PFOA)	25000	1.053873	50000	1.083057								
Perfluorooctanesulfonic acid (PI	23200	1.058318	46400	1.078879								
Perfluorononanoic acid (PFNA)	25000	0.8272134	50000	0.7896672								
Perfluorodecanoic acid (PFDA)	25000	0.7998084	50000	0.7576361								
N-EtFOSAA	25000	0.8933402	50000	0.8546759								
Perfluoroundecanoic acid (PFU	25000	0.745009	50000	0.7384025								
N-MeFOSAA	25000	1.13085	50000	1.093452								
Perfluorododecanoic acid (PFD	25000	0.8445668	50000	0.8597785								
Perfluorotridecanoic acid (PFTr	25000	1.098682	50000	1.149129								
Perfluorotetradecanoic acid (PF	25000	1.06391	50000	1.123215								
Hexafluoropropylene oxide dime	25000	5.366215E-02	50000	5.977288E-02								
11Cl-PF3OUdS (F53B Minor)	23600	2.427011	47200	2.385906								
9Cl-PF3ONS (F53B Major)	23300	6.911709	46600	7.184237								
4,8-dioxa-3H-perfluorononanoic	23600	1.474085	47200	1.555157								
13C-PFHxA	10000	0.9429173	10000	0.9614607								
M3HFPO-DA	10000	9.558045E-02	10000	9.765849E-02								
13C-PFDA	10000	0.8469086	10000	0.7996313								
d5-NEtFOSAA	40000	0.8912966	40000	0.8180067								

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Calibration:	2200181	Instrument:	QQQ2
		Calibration Date:	4/12/2022 12:00:04AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Perfluorobutanesulfonic acid (PFBS)	1.684422	12.8		1.000	0.99	
Perfluorohexanoic acid (PFHxA)	0.669973	10.9		1.000	0.99	
Perfluorohexanesulfonic acid (PFHxS)	1.195419	13.2		1.000	0.99	
Perfluoroheptanoic acid (PFHpA)	0.3979502	13.3		1.000	0.99	
Perfluorooctanoic acid (PFOA)	0.9955872	9.9		1.000	0.99	
Perfluorooctanesulfonic acid (PFOS)	0.9818776	11.4		1.000	0.99	
Perfluorononanoic acid (PFNA)	0.7665662	8.7	0.999		0.99	
Perfluorodecanoic acid (PFDA)	0.7588026	8.1		1.000	0.99	
N-EtFOSAA	0.8453893	11.1	0.999		0.99	
Perfluoroundecanoic acid (PFUnA)	0.726185	9.1		1.000	0.99	
N-MeFOSAA	0.9795923	14.6	1.000		0.99	
Perfluorododecanoic acid (PFDoA)	0.7774324	10.6		1.000	0.99	
Perfluorotridecanoic acid (PFTrDA)	1.024468	11.8		1.000	0.99	
Perfluorotetradecanoic acid (PFTA)	0.9675388	16.6		1.000	0.99	
Hexafluoropropylene oxide dimer acid (HFPC	4.743419E-02	14.8		1.000	0.99	
11Cl-PF3OUdS (F53B Minor)	2.065157	15.9		0.999	0.99	
9Cl-PF3ONS (F53B Major)	6.133142	14.1		1.000	0.99	
4,8-dioxa-3H-perfluorononanoic acid (ADON/	1.345973	12.8		1.000	0.99	
13C-PFHxA	0.9150334	3.6			20	
M3HFPO-DA	9.306352E-02	3.7			20	
13C-PFDA	0.8621041	3.5			20	
d5-NEtFOSAA	0.9259537	5.7			20	

INITIAL CALIBRATION STANDARDS

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070303	Instrument:	QQQ2
Calibration:	2200181		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2203532	0.25 ppb PFAS 537.1	S070303-CAL1	CAL1_5371_041222.d	04/12/22 15:25
2203533	0.50 ppb PFAS 537.1	S070303-CAL2	CAL2_5371_041222.d	04/12/22 15:33
2203534	1.0 ppb PFAS 537.1	S070303-CAL3	CAL3_5371_041222.d	04/12/22 15:40
2203535	2.5 ppb PFAS 537.1	S070303-CAL4	CAL4_5371_041222.d	04/12/22 15:47
2203536	5.0 ppb PFAS 537.1	S070303-CAL5	CAL5_5371_041222.d	04/12/22 15:54
2203537	10.0 ppb PFAS 537.1	S070303-CAL6	CAL6_5371_041222.d	04/12/22 16:01
2203538	25.0 ppb PFAS 537.1	S070303-CAL7	CAL7_5371_041222.d	04/12/22 16:08
2203539	50.0 ppb PFAS 537.1	S070303-CAL8	CAL8_5371_041222.d	04/12/22 16:16

By DJD at 1:45 pm, Apr 13, 2022

Quantitative Analysis Complete Report

Agilent

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:15 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

Data File	Sample Name	Sample Type	Position	Inj Vol	Level	Acq. Method
CAL1_5371_041222.d	CAL1_5371_041222	Cal	P4-A1	5	1	PFAS-ACQUISITION-FULL.m
CAL2_5371_041222.d	CAL2_5371_041222	Cal	P4-A2	5	2	PFAS-ACQUISITION-FULL.m
CAL3_5371_041222.d	CAL3_5371_041222	Cal	P4-A3	5	3	PFAS-ACQUISITION-FULL.m
CAL4_5371_041222.d	CAL4_5371_041222	Cal	P4-A4	5	4	PFAS-ACQUISITION-FULL.m
CAL5_5371_041222.d	CAL5_5371_041222	Cal	P4-A5	5	5	PFAS-ACQUISITION-FULL.m
CAL6_5371_041222.d	CAL6_5371_041222	Cal	P4-A6	5	6	PFAS-ACQUISITION-FULL.m
CAL7_5371_041222.d	CAL7_5371_041222	Cal	P4-A7	5	7	PFAS-ACQUISITION-FULL.m
CAL8_5371_041222.d	CAL8_5371_041222	Cal	P4-A8	5	8	PFAS-ACQUISITION-FULL.m
ICV1_5371_041222.d	ICV1_5371_041222	QC	P4-A9	5	5	PFAS-ACQUISITION-FULL.m
BIC1_5371_041222.d	BIC1_5371_041222	Sample	P4-B1	5		PFAS-ACQUISITION-FULL.m

Quantitation Results

PFBS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFBS	PFOS C13	Calibration	1.308	4334	368038	0.0118	186.1496	222.0000	83.9
CAL2_5371_041222.d	PFBS	PFOS C13	Calibration	1.316	7879	369705	0.0213	336.7721	444.0000	75.8
CAL3_5371_041222.d	PFBS	PFOS C13	Calibration	1.308	17421	391710	0.0445	702.4122	887.0000	79.2
CAL4_5371_041222.d	PFBS	PFOS C13	Calibration	1.308	47477	334973	0.1417	2233.0575	2220.0000	100.6
CAL5_5371_041222.d	PFBS	PFOS C13	Calibration	1.316	102489	382009	0.2683	4213.9112	4440.0000	94.9
CAL6_5371_041222.d	PFBS	PFOS C13	Calibration	1.308	197607	373443	0.5291	8258.9496	8870.0000	93.1
CAL7_5371_041222.d	PFBS	PFOS C13	Calibration	1.308	436963	294288	1.4848	22667.7178	22200.0000	102.1
CAL8_5371_041222.d	PFBS	PFOS C13	Calibration	1.308	966140	322243	2.9982	44314.1822	44400.0000	99.8
ICV1_5371_041222.d	PFBS	PFOS C13	QC	1.308	106829	417127	0.2561	4023.7509	4440.0000	90.6
BIC1_5371_041222.d	PFBS	PFOS C13	Sample			18		ND		

PFHxA C13

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	875131	939088	0.9319	10184.2592	10000.0000	101.8
CAL2_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	825791	959785	0.8604	9402.8487	10000.0000	94.0
CAL3_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	944880	1028724	0.9185	10037.8508	10000.0000	100.4
CAL4_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	772478	874908	0.8829	9649.0944	10000.0000	96.5
CAL5_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	911004	1009828	0.9021	9859.0685	10000.0000	98.6
CAL6_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	907462	986325	0.9200	10054.7612	10000.0000	100.5
CAL7_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	756578	802380	0.9429	10304.7320	10000.0000	103.0
CAL8_5371_041222.d	PFHxA C13	PFOA C13	Calibration	1.813	855567	889861	0.9615	10507.3850	10000.0000	105.1
ICV1_5371_041222.d	PFHxA C13	PFOA C13	QC	1.813	930614	1083565	0.8588	9385.9452	10000.0000	93.9
BIC1_5371_041222.d	PFHxA C13	PFOA C13	Sample			16027		ND		

PFHxA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	14078	939088	0.0150	213.5609	250.0000	85.4
CAL2_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	28193	959785	0.0294	418.3312	500.0000	83.7
CAL3_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	59788	1028724	0.0581	827.2138	1000.0000	82.7
CAL4_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	164117	874908	0.1876	2662.9291	2500.0000	106.5
CAL5_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	341872	1009828	0.3385	4791.5940	5000.0000	95.8
CAL6_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	666627	986325	0.6759	9502.7575	10000.0000	95.0
CAL7_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	1479620	802380	1.8440	25363.4804	25000.0000	101.5
CAL8_5371_041222.d	PFHxA	PFOA C13	Calibration	1.814	3339416	889861	3.7527	49934.1923	50000.0000	99.9
ICV1_5371_041222.d	PFHxA	PFOA C13	QC	1.814	359547	1083565	0.3318	4697.0178	5000.0000	93.9
BIC1_5371_041222.d	PFHxA	PFOA C13	Sample	1.814	40225	16027	2.5098	34111.5237		

M3HFPO-DA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	86211	939088	0.0918	9864.5100	10000.0000	98.6
CAL2_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	84590	959785	0.0881	9470.3400	10000.0000	94.7
CAL3_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	96429	1028724	0.0937	10072.3623	10000.0000	100.7
CAL4_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	77585	874908	0.0887	9528.7685	10000.0000	95.3
CAL5_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	97015	1009828	0.0961	10323.1950	10000.0000	103.2
CAL6_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	91576	986325	0.0928	9976.6243	10000.0000	99.8
CAL7_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	76692	802380	0.0956	10270.4531	10000.0000	102.7
CAL8_5371_041222.d	M3HFPO-DA	PFOA C13	Calibration	2.040	86903	889861	0.0977	10493.7468	10000.0000	104.9
ICV1_5371_041222.d	M3HFPO-DA	PFOA C13	QC	2.040	93688	1083565	0.0865	9290.7648	10000.0000	92.9
BIC1_5371_041222.d	M3HFPO-DA	PFOA C13	Sample			16027		ND		

HFPO-DA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	1015	939088	0.0011	233.4639	250.0000	93.4
CAL2_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	1859	959785	0.0019	417.7950	500.0000	83.6
CAL3_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	4196	1028724	0.0041	877.3791	1000.0000	87.7
CAL4_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	11177	874908	0.0128	2718.7970	2500.0000	108.8
CAL5_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	22797	1009828	0.0226	4748.7280	5000.0000	95.0
CAL6_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	46372	986325	0.0470	9621.9495	10000.0000	96.2
CAL7_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	107644	802380	0.1342	25259.3753	25000.0000	101.0
CAL8_5371_041222.d	HFPO-DA	PFOA C13	Calibration	2.041	265948	889861	0.2989	49959.0650	50000.0000	99.9
ICV1_5371_041222.d	HFPO-DA	PFOA C13	QC	2.041	19186	1083565	0.0177	3746.0855	5000.0000	74.9
BIC1_5371_041222.d	HFPO-DA	PFOA C13	Sample			16027		ND		

PFHpA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFHpA	PFOA C13	Calibration	2.617	7743	939088	0.0082	193.3957	250.0000	77.4
CAL2_5371_041222.d	PFHpA	PFOA C13	Calibration	2.617	16080	959785	0.0168	392.8562	500.0000	78.6
CAL3_5371_041222.d	PFHpA	PFOA C13	Calibration	2.608	35710	1028724	0.0347	813.4302	1000.0000	81.3

PFHpA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_5371_041222.d	PFHpA	PFOA C13	Calibration	2.617	95768	874908	0.1095	2557.8786	2500.0000	102.3
CAL5_5371_041222.d	PFHpA	PFOA C13	Calibration	2.617	208162	1009828	0.2061	4799.8648	5000.0000	96.0
CAL6_5371_041222.d	PFHpA	PFOA C13	Calibration	2.608	406223	986325	0.4119	9518.7661	10000.0000	95.2
CAL7_5371_041222.d	PFHpA	PFOA C13	Calibration	2.608	902758	802380	1.1251	25369.9476	25000.0000	101.5
CAL8_5371_041222.d	PFHpA	PFOA C13	Calibration	2.608	2044869	889861	2.2980	49932.6493	50000.0000	99.9
ICV1_5371_041222.d	PFHpA	PFOA C13	QC	2.617	215250	1083565	0.1986	4626.8227	5000.0000	92.5
BIC1_5371_041222.d	PFHpA	PFOA C13	Sample	2.608	96922	16027	6.0474	119184.7782		

PFHxS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	2949	368038	0.0080	189.5278	228.0000	83.1
CAL2_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	6119	369705	0.0166	391.1532	457.0000	85.6
CAL3_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	12731	391710	0.0325	767.0531	914.0000	83.9
CAL4_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	35291	334973	0.1054	2471.7289	2280.0000	108.4
CAL5_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	73673	382009	0.1929	4492.8138	4570.0000	98.3
CAL6_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	142973	373443	0.3829	8787.9480	9140.0000	96.1
CAL7_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	317103	294288	1.0775	23545.3169	22800.0000	103.3
CAL8_5371_041222.d	PFHxS	PFOS C13	Calibration	2.697	717704	322243	2.2272	45430.7998	45700.0000	99.4
ICV1_5371_041222.d	PFHxS	PFOS C13	QC	2.697	78039	417127	0.1871	4360.3893	4570.0000	95.4
BIC1_5371_041222.d	PFHxS	PFOS C13	Sample			18		ND		

ADONA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	ADONA	PFOA C13	Calibration	2.725	25514	939088	0.0272	197.6717	236.0000	83.8
CAL2_5371_041222.d	ADONA	PFOA C13	Calibration	2.733	51183	959785	0.0533	387.7891	472.0000	82.2
CAL3_5371_041222.d	ADONA	PFOA C13	Calibration	2.733	114933	1028724	0.1117	811.4758	945.0000	85.9
CAL4_5371_041222.d	ADONA	PFOA C13	Calibration	2.733	315747	874908	0.3609	2608.0932	2360.0000	110.5
CAL5_5371_041222.d	ADONA	PFOA C13	Calibration	2.733	655208	1009828	0.6488	4662.2374	4720.0000	98.8
CAL6_5371_041222.d	ADONA	PFOA C13	Calibration	2.725	1278259	986325	1.2960	9196.6413	9450.0000	97.3
CAL7_5371_041222.d	ADONA	PFOA C13	Calibration	2.725	2791353	802380	3.4788	23740.2945	23600.0000	100.6
CAL8_5371_041222.d	ADONA	PFOA C13	Calibration	2.725	6531884	889861	7.3403	47177.0608	47200.0000	100.0
ICV1_5371_041222.d	ADONA	PFOA C13	QC	2.725	584520	1083565	0.5394	3884.5956	4720.0000	82.3
BIC1_5371_041222.d	ADONA	PFOA C13	Sample			16027		ND		

PFOA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	20413	939088	0.0217	214.5450	250.0000	85.8
CAL2_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	41827	959785	0.0436	429.9969	500.0000	86.0
CAL3_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	95516	1028724	0.0928	915.5113	1000.0000	91.6
CAL4_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	248879	874908	0.2845	2797.5166	2500.0000	111.9
CAL5_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	517011	1009828	0.5120	5019.5059	5000.0000	100.4
CAL6_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	982741	986325	0.9964	9705.4928	10000.0000	97.1

PFOA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL7_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	2114017	802380	2.6347	25130.5905	25000.0000	100.5
CAL8_5371_041222.d	PFOA	PFOA C13	Calibration	3.163	4818851	889861	5.4153	49979.1729	50000.0000	100.0
ICV1_5371_041222.d	PFOA	PFOA C13	QC	3.163	540672	1083565	0.4990	4892.8736	5000.0000	97.9
BIC1_5371_041222.d	PFOA	PFOA C13	Sample	3.163	25204832	16027	1572.6421	2996909.8545		

PFOS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	2657	368038	0.0072	206.3023	232.0000	88.9
CAL2_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	5087	369705	0.0138	393.1103	464.0000	84.7
CAL3_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	10548	391710	0.0269	768.8972	928.0000	82.9
CAL4_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	30753	334973	0.0918	2613.2569	2320.0000	112.6
CAL5_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	62786	382009	0.1644	4662.4568	4640.0000	100.5
CAL6_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	119377	373443	0.3197	9003.3703	9280.0000	97.0
CAL7_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	251765	294288	0.8555	23531.8317	23200.0000	101.4
CAL8_5371_041222.d	PFOS	PFOS C13	Calibration	3.450	562072	322243	1.7443	46283.2053	46400.0000	99.7
ICV1_5371_041222.d	PFOS	PFOS C13	QC	3.450	63072	417127	0.1512	4292.0258	4640.0000	92.5
BIC1_5371_041222.d	PFOS	PFOS C13	Sample			18		ND		

PFNA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	16520	939088	0.0176	220.5076	250.0000	88.2
CAL2_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	32521	959785	0.0339	424.7375	500.0000	84.9
CAL3_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	73032	1028724	0.0710	889.8987	1000.0000	89.0
CAL4_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	191446	874908	0.2188	2742.9120	2500.0000	109.7
CAL5_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	391701	1009828	0.3879	4862.2208	5000.0000	97.2
CAL6_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	762769	986325	0.7733	9693.9576	10000.0000	96.9
CAL7_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	1659349	802380	2.0680	25922.9962	25000.0000	103.7
CAL8_5371_041222.d	PFNA	PFOA C13	Calibration	3.451	3513472	889861	3.9483	49492.7696	50000.0000	99.0
ICV1_5371_041222.d	PFNA	PFOA C13	QC	3.451	413147	1083565	0.3813	4779.4443	5000.0000	95.6
BIC1_5371_041222.d	PFNA	PFOA C13	Sample	3.393	19446	16027	1.2133	15208.7990		

9Cl-PF3ONS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	16225	368038	0.0441	203.9038	233.0000	87.5
CAL2_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	29068	369705	0.0786	363.4515	466.0000	78.0
CAL3_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	68236	391710	0.1742	804.0006	933.0000	86.2
CAL4_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	189913	334973	0.5670	2600.2126	2330.0000	111.6
CAL5_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	385283	382009	1.0086	4593.4742	4660.0000	98.6
CAL6_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	745767	373443	1.9970	8958.9714	9330.0000	96.0
CAL7_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	1651324	294288	5.6112	23941.8634	23300.0000	102.8
CAL8_5371_041222.d	9Cl-PF3ONS	PFOS C13	Calibration	3.579	3758963	322243	11.6650	46375.3416	46600.0000	99.5

9Cl-PF3ONS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
ICV1_5371_041222.d	9Cl-PF3ONS	PFOS C13	QC	3.579	499344	417127	1.1971	5436.1828	4660.0000	116.7
BIC1_5371_041222.d	9Cl-PF3ONS	PFOS C13	Sample			18		ND		

PFDA C13

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	841879	939088	0.8965	10398.8030	10000.0000	104.0
CAL2_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	823735	959785	0.8582	9955.2931	10000.0000	99.6
CAL3_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	919824	1028724	0.8941	10371.6096	10000.0000	103.7
CAL4_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	751965	874908	0.8595	9969.5458	10000.0000	99.7
CAL5_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	882516	1009828	0.8739	10137.1442	10000.0000	101.4
CAL6_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	856141	986325	0.8680	10068.5184	10000.0000	100.7
CAL7_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	679543	802380	0.8469	9823.7404	10000.0000	98.2
CAL8_5371_041222.d	PFDA C13	PFOA C13	Calibration	3.653	711561	889861	0.7996	9275.3455	10000.0000	92.8
ICV1_5371_041222.d	PFDA C13	PFOA C13	QC	3.653	890231	1083565	0.8216	9529.8934	10000.0000	95.3
BIC1_5371_041222.d	PFDA C13	PFOA C13	Sample			16027		ND		

PFDA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	17244	939088	0.0184	224.3679	250.0000	89.7
CAL2_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	33401	959785	0.0348	425.3564	500.0000	85.1
CAL3_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	67918	1028724	0.0660	807.4055	1000.0000	80.7
CAL4_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	185604	874908	0.2121	2601.2224	2500.0000	104.0
CAL5_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	408869	1009828	0.4049	4982.1082	5000.0000	99.6
CAL6_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	753471	986325	0.7639	9462.4740	10000.0000	94.6
CAL7_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	1604376	802380	1.9995	25367.0764	25000.0000	101.5
CAL8_5371_041222.d	PFDA	PFOA C13	Calibration	3.653	3370956	889861	3.7882	49924.9065	50000.0000	99.8
ICV1_5371_041222.d	PFDA	PFOA C13	QC	3.653	419109	1083565	0.3868	4757.7809	5000.0000	95.2
BIC1_5371_041222.d	PFDA	PFOA C13	Sample			16027		ND		

N-MeFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	4377	910925	0.0048	174.9788	250.0000	70.0
CAL2_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	9605	944002	0.0102	370.5297	500.0000	74.1
CAL3_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	21464	1004108	0.0214	778.4492	1000.0000	77.8
CAL4_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	58438	851627	0.0686	2498.9175	2500.0000	100.0
CAL5_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	129366	995146	0.1300	4734.1160	5000.0000	94.7
CAL6_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	249108	961093	0.2592	9439.0514	10000.0000	94.4
CAL7_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	558884	790745	0.7068	25738.9321	25000.0000	103.0
CAL8_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Calibration	3.741	1213567	887880	1.3668	49775.4670	50000.0000	99.6
ICV1_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	QC	3.741	158648	1029280	0.1541	5613.1349	5000.0000	112.3
BIC1_5371_041222.d	N-MeFOSAA	d3-N-MeFOSAA	Sample			190		ND		

PFUnA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	17612	939088	0.0188	249.7271	250.0000	99.9
CAL2_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	28843	959785	0.0301	400.1786	500.0000	80.0
CAL3_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	67914	1028724	0.0660	879.2544	1000.0000	87.9
CAL4_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	178713	874908	0.2043	2722.1724	2500.0000	108.9
CAL5_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	381196	1009828	0.3775	5034.5565	5000.0000	100.7
CAL6_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	732476	986325	0.7426	9920.9021	10000.0000	99.2
CAL7_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	1494451	802380	1.8625	25009.3207	25000.0000	100.0
CAL8_5371_041222.d	PFUnA	PFOA C13	Calibration	3.824	3285380	889861	3.6920	50000.0116	50000.0000	100.0
ICV1_5371_041222.d	PFUnA	PFOA C13	QC	3.824	393091	1083565	0.3628	4838.0449	5000.0000	96.8
BIC1_5371_041222.d	PFUnA	PFOA C13	Sample	4.103	5626	16027	0.3511	4681.5430		

d5-N-EtFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	895331	910925	0.9829	42459.1693	40000.0000	106.1
CAL2_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	874973	944002	0.9269	40039.8876	40000.0000	100.1
CAL3_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	977578	1004108	0.9736	42057.3360	40000.0000	105.1
CAL4_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	780628	851627	0.9166	39597.2953	40000.0000	99.0
CAL5_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	941195	995146	0.9458	40856.7014	40000.0000	102.1
CAL6_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	915511	961093	0.9526	41149.9211	40000.0000	102.9
CAL7_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	704788	790745	0.8913	38502.8586	40000.0000	96.3
CAL8_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	726292	887880	0.8180	35336.8306	40000.0000	88.3
ICV1_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	QC	3.831	975215	1029280	0.9475	40929.6264	40000.0000	102.3
BIC1_5371_041222.d	d5-N-EtFOSAA	d3-N-MeFOSAA	Sample			190		ND		

N-EtFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	4167	910925	0.0046	211.9931	250.0000	84.8
CAL2_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	8273	944002	0.0088	406.1789	500.0000	81.2
CAL3_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	20542	1004108	0.0205	948.1452	1000.0000	94.8
CAL4_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	52638	851627	0.0618	2864.6049	2500.0000	114.6
CAL5_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	113142	995146	0.1137	5269.2514	5000.0000	105.4
CAL6_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	207908	961093	0.2163	10025.7559	10000.0000	100.3
CAL7_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	441503	790745	0.5583	25876.7113	25000.0000	103.5
CAL8_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Calibration	3.831	948562	887880	1.0683	49513.5031	50000.0000	99.0
ICV1_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	QC	3.831	135132	1029280	0.1313	6084.6638	5000.0000	121.7
BIC1_5371_041222.d	N-EtFOSAA	d3-N-MeFOSAA	Sample			190		ND		

11Cl-PF3OUdS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	4928	368038	0.0134	175.3374	236.0000	74.3
CAL2_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	9880	369705	0.0267	349.8213	472.0000	74.1
CAL3_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	23628	391710	0.0603	788.8778	943.0000	83.7

11Cl-PF3OUdS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	63712	334973	0.1902	2478.5375	2360.0000	105.0
CAL5_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	137714	382009	0.3605	4675.8196	4720.0000	99.1
CAL6_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	259432	373443	0.6947	8930.0187	9430.0000	94.7
CAL7_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	587320	294288	1.9957	24824.5583	23600.0000	105.2
CAL8_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Calibration	3.903	1264436	322243	3.9239	46726.4476	47200.0000	99.0
ICV1_5371_041222.d	11Cl-PF3OUdS	PFOS C13	QC	3.903	118132	417127	0.2832	3681.0453	4720.0000	78.0
BIC1_5371_041222.d	11Cl-PF3OUdS	PFOS C13	Sample			18		ND		

PFDoA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	16392	939088	0.0175	215.3312	250.0000	86.1
CAL2_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	32159	959785	0.0335	413.2309	500.0000	82.6
CAL3_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	70390	1028724	0.0684	843.4270	1000.0000	84.3
CAL4_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	190456	874908	0.2177	2677.2086	2500.0000	107.1
CAL5_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	407088	1009828	0.4031	4943.9860	5000.0000	98.9
CAL6_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	774774	986325	0.7855	9578.9929	10000.0000	95.8
CAL7_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	1694159	802380	2.1114	25262.5900	25000.0000	101.1
CAL8_5371_041222.d	PFDoA	PFOA C13	Calibration	3.977	3825419	889861	4.2989	49953.4690	50000.0000	99.9
ICV1_5371_041222.d	PFDoA	PFOA C13	QC	3.977	432399	1083565	0.3991	4894.3180	5000.0000	97.9
BIC1_5371_041222.d	PFDoA	PFOA C13	Sample	4.051	3365	16027	0.2100	2582.5620		

PFTrDA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	20770	939088	0.0221	210.7592	250.0000	84.3
CAL2_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	41295	959785	0.0430	409.8493	500.0000	82.0
CAL3_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	94102	1028724	0.0915	870.5873	1000.0000	87.1
CAL4_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	254618	874908	0.2910	2759.8139	2500.0000	110.4
CAL5_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	534986	1009828	0.5298	5002.6919	5000.0000	100.1
CAL6_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	1049799	986325	1.0644	9957.4135	10000.0000	99.6
CAL7_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	2203902	802380	2.7467	24992.6836	25000.0000	100.0
CAL8_5371_041222.d	PFTrDA	PFOA C13	Calibration	4.107	5112827	889861	5.7456	50002.6455	50000.0000	100.0
ICV1_5371_041222.d	PFTrDA	PFOA C13	QC	4.107	570922	1083565	0.5269	4975.6839	5000.0000	99.5
BIC1_5371_041222.d	PFTrDA	PFOA C13	Sample	4.181	5947	16027	0.3711	3514.0071		

PFTA

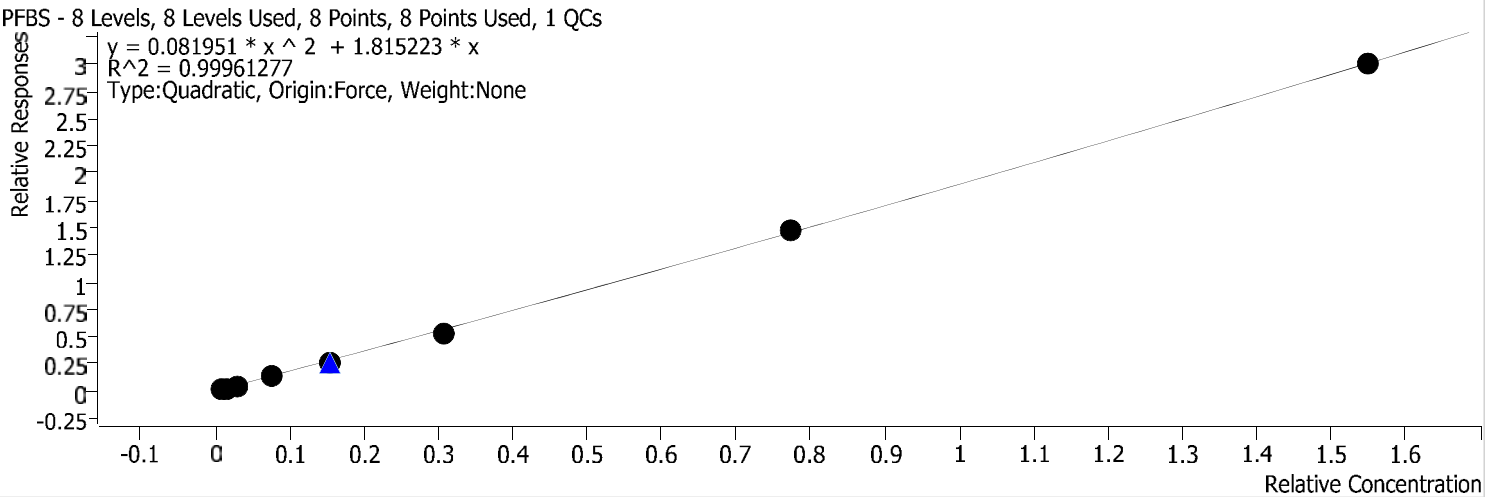
Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	17304	939088	0.0184	182.4343	250.0000	73.0
CAL2_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	37405	959785	0.0390	385.6862	500.0000	77.1
CAL3_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	85162	1028724	0.0828	818.4592	1000.0000	81.8
CAL4_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	249199	874908	0.2848	2803.5144	2500.0000	112.1
CAL5_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	519936	1009828	0.5149	5042.5733	5000.0000	100.9
CAL6_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	1025561	986325	1.0398	10070.7171	10000.0000	100.7

PFTA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL7_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	2134150	802380	2.6598	24944.6907	25000.0000	99.8
CAL8_5371_041222.d	PFTA	PFOA C13	Calibration	4.222	4997531	889861	5.6161	50001.1423	50000.0000	100.0
ICV1_5371_041222.d	PFTA	PFOA C13	QC	4.222	555217	1083565	0.5124	5018.5843	5000.0000	100.4
BIC1_5371_041222.d	PFTA	PFOA C13	Sample	4.321	3236	16027	0.2019	1991.0320		

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

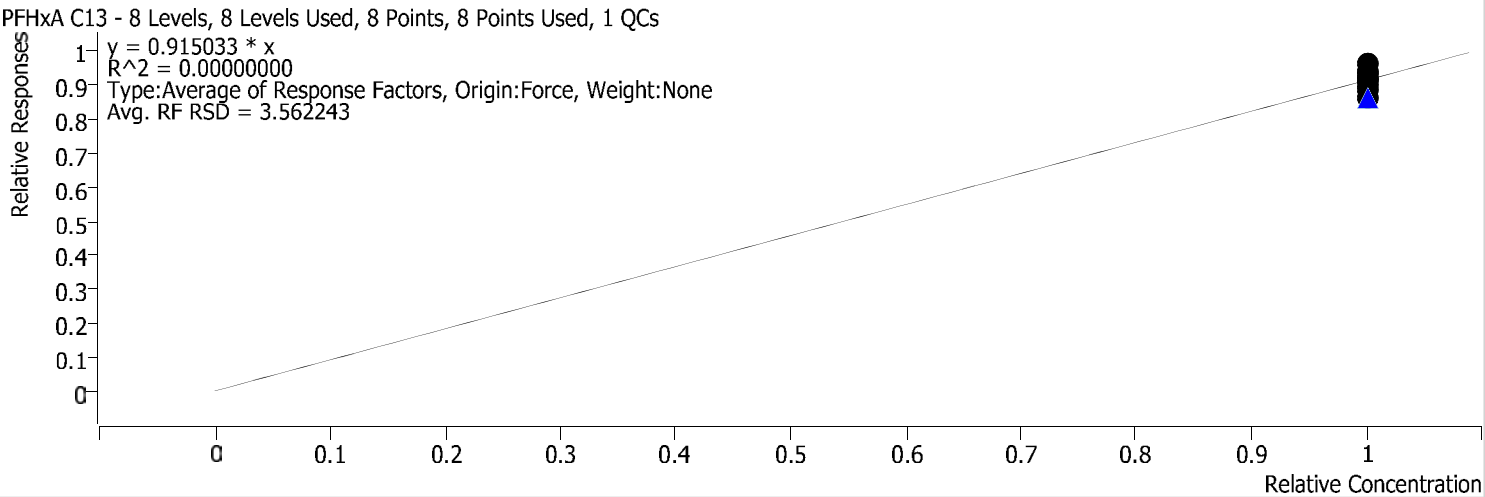
PFBS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	7879	444.0000	1.3776
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	17421	887.0000	1.4391
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	47477	2220.0000	1.8323
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	102489	4440.0000	1.7342
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	106829	4440.0000	1.6555
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	197607	8870.0000	1.7121
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	436963	22200.0000	1.9196
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	966140	44400.0000	1.9380

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

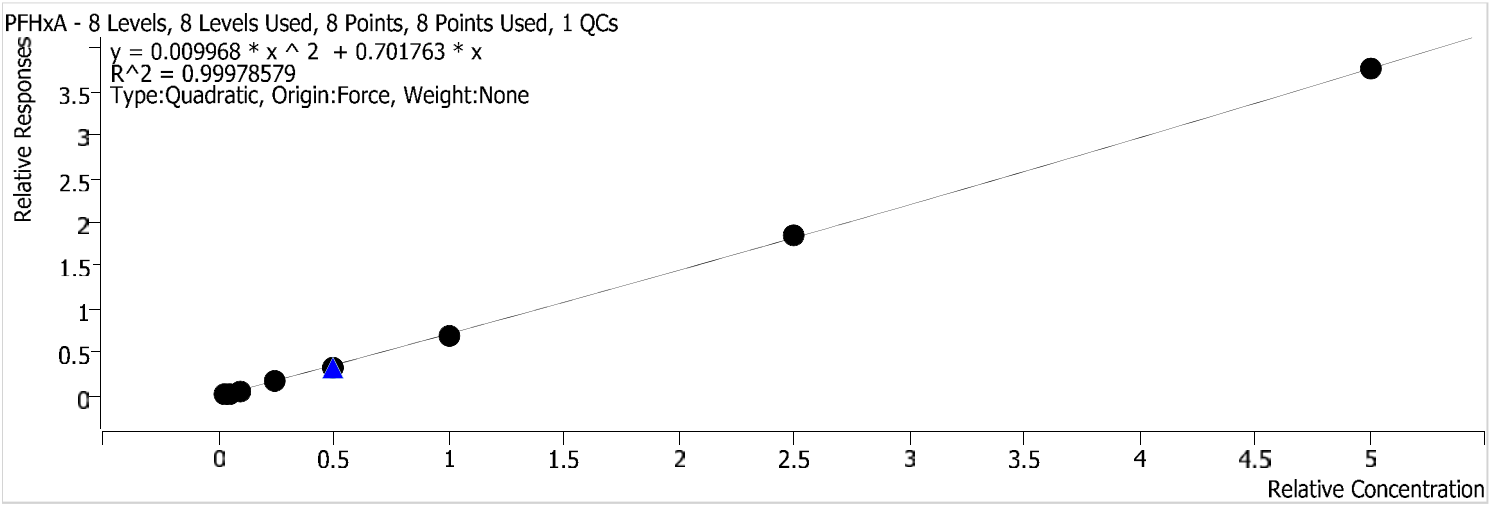
PFHxA C13



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	825791	10000.0000	0.8604
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	944880	10000.0000	0.9185
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	772478	10000.0000	0.8829
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	911004	10000.0000	0.9021
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	930614	10000.0000	0.8588
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	907462	10000.0000	0.9200
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	756578	10000.0000	0.9429
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	855567	10000.0000	0.9615

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

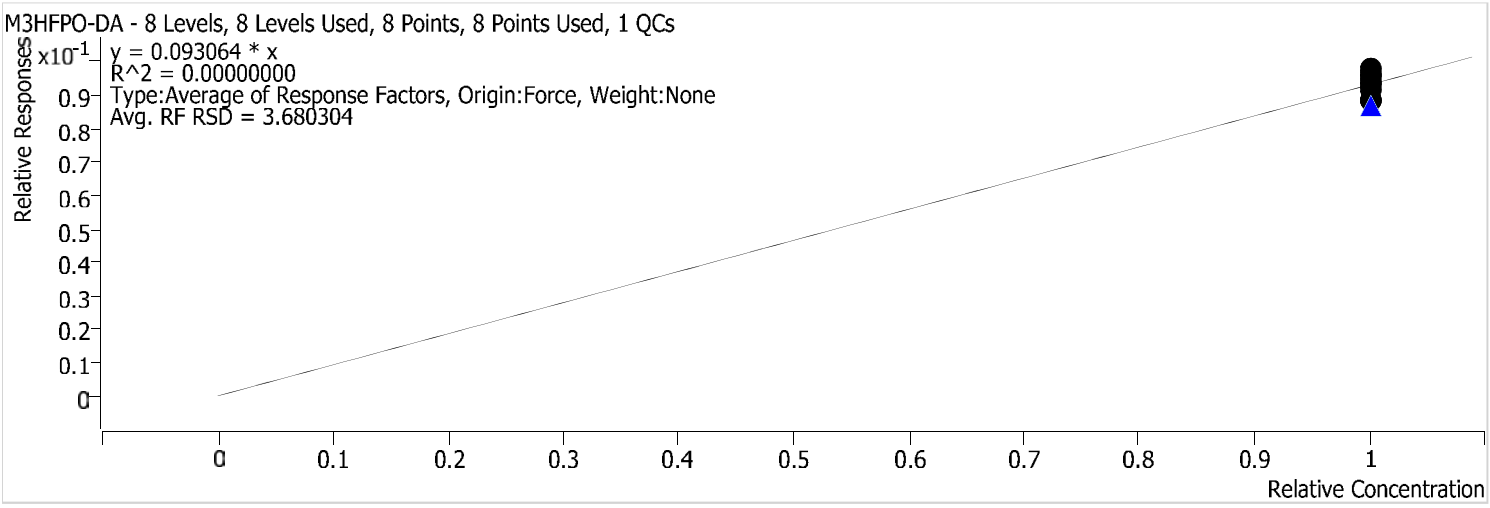
PFHxA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	59788	1000.0000	0.5812
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	164117	2500.0000	0.7503
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	341872	5000.0000	0.6771
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	359547	5000.0000	0.6636
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	666627	10000.0000	0.6759
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	1479620	25000.0000	0.7376
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	3339416	50000.0000	0.7505

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

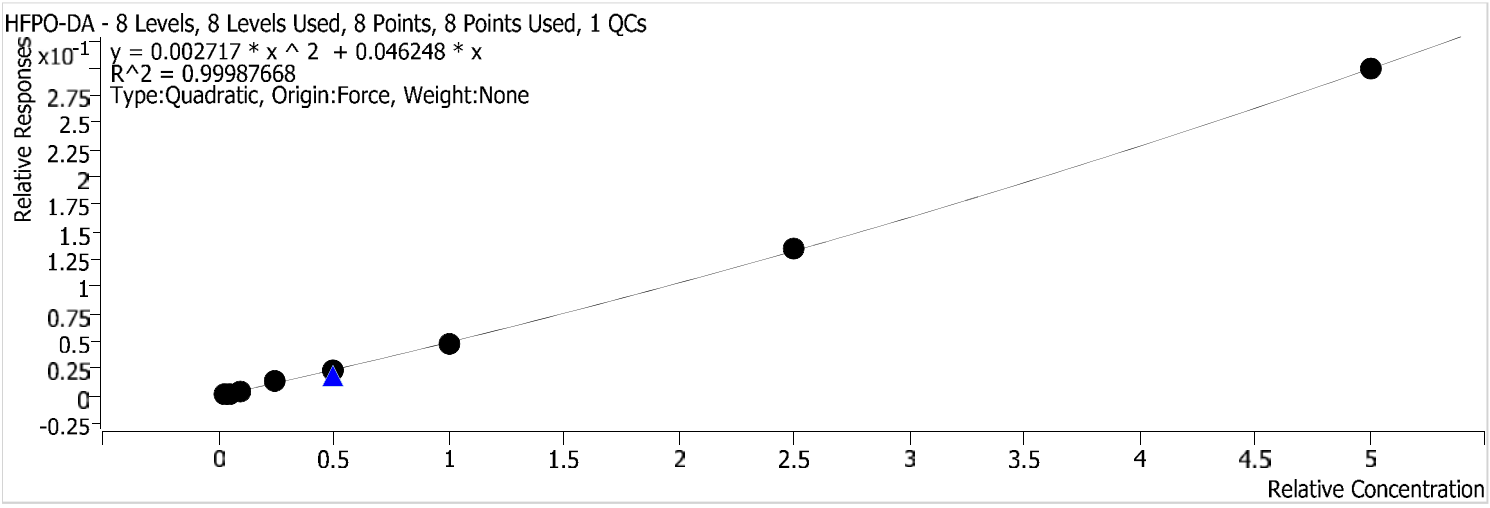
M3HFPO-DA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	84590	10000.0000	0.0881
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	96429	10000.0000	0.0937
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	77585	10000.0000	0.0887
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	97015	10000.0000	0.0961
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	93688	10000.0000	0.0865
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	91576	10000.0000	0.0928
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	76692	10000.0000	0.0956
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	86903	10000.0000	0.0977

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

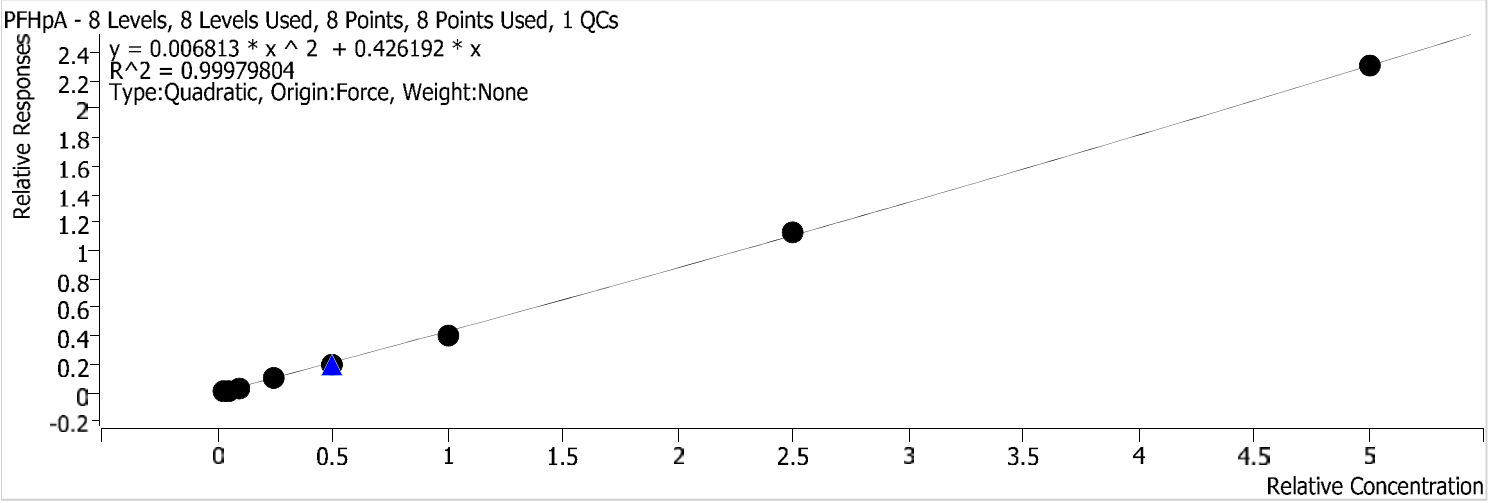
HFPO-DA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	1859	500.0000	0.0387
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	4196	1000.0000	0.0408
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	11177	2500.0000	0.0511
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	22797	5000.0000	0.0451
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	19186	5000.0000	0.0354
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	46372	10000.0000	0.0470
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	107644	25000.0000	0.0537
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	265948	50000.0000	0.0598

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

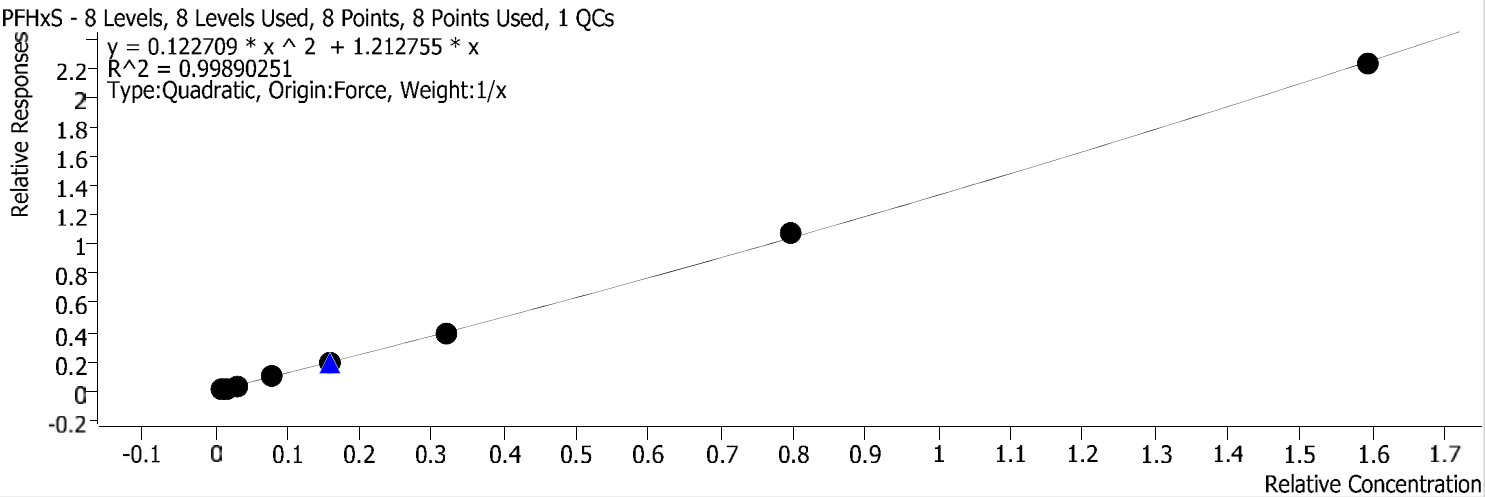
PFHpA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	16080	500.0000	0.3351
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	35710	1000.0000	0.3471
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	95768	2500.0000	0.4378
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	208162	5000.0000	0.4123
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	215250	5000.0000	0.3973
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	406223	10000.0000	0.4119
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	902758	25000.0000	0.4500
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	2044869	50000.0000	0.4596

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

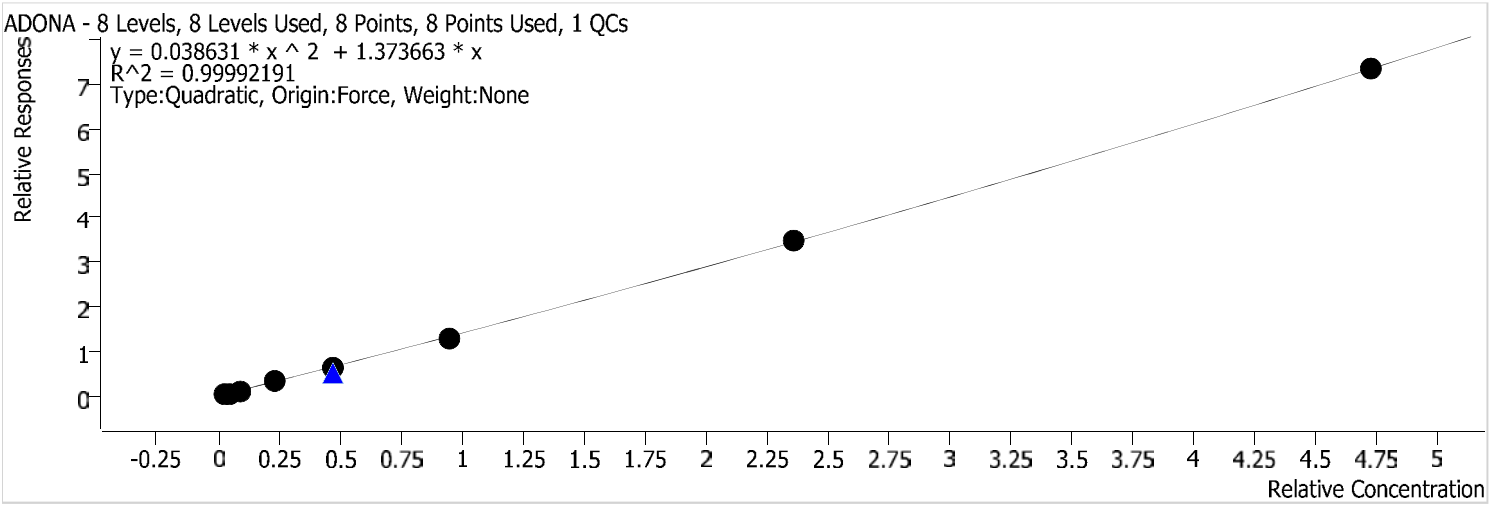
PFHxS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	6119	457.0000	1.0394
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	12731	914.0000	1.0205
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	35291	2280.0000	1.3262
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	73673	4570.0000	1.2112
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	78039	4570.0000	1.1749
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	142973	9140.0000	1.2022
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	317103	22800.0000	1.3564
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	717704	45700.0000	1.3987

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

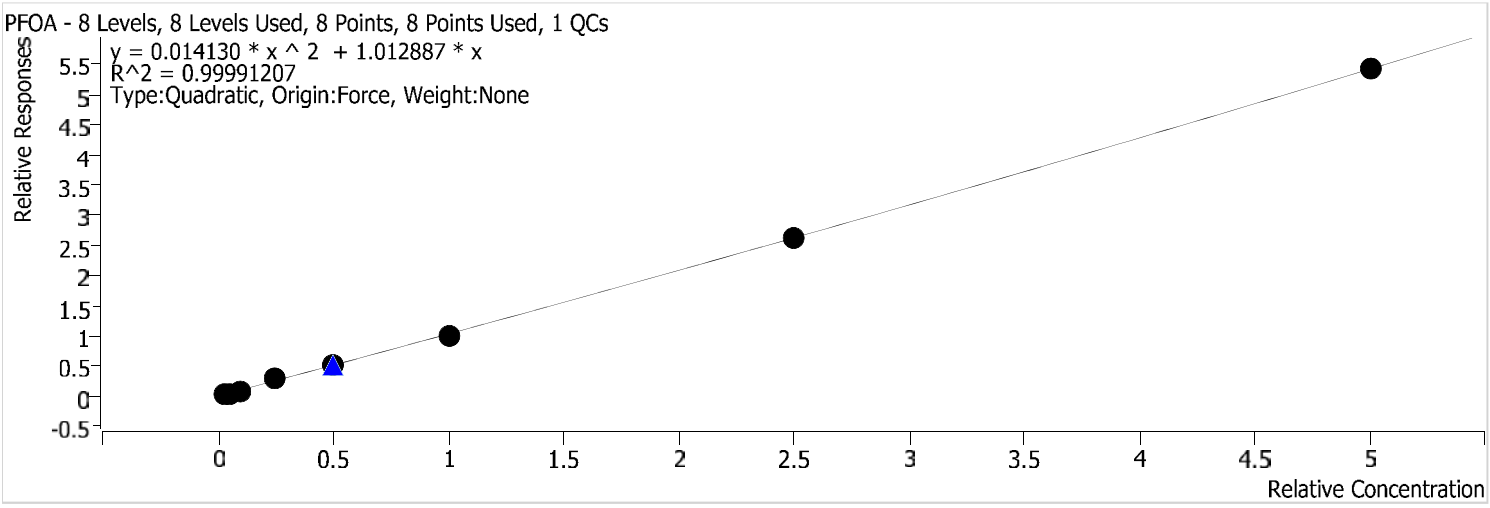
ADONA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	114933	945.0000	1.1823
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	315747	2360.0000	1.5292
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	655208	4720.0000	1.3746
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	584520	4720.0000	1.1429
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	1278259	9450.0000	1.3714
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	2791353	23600.0000	1.4741
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	6531884	47200.0000	1.5552

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

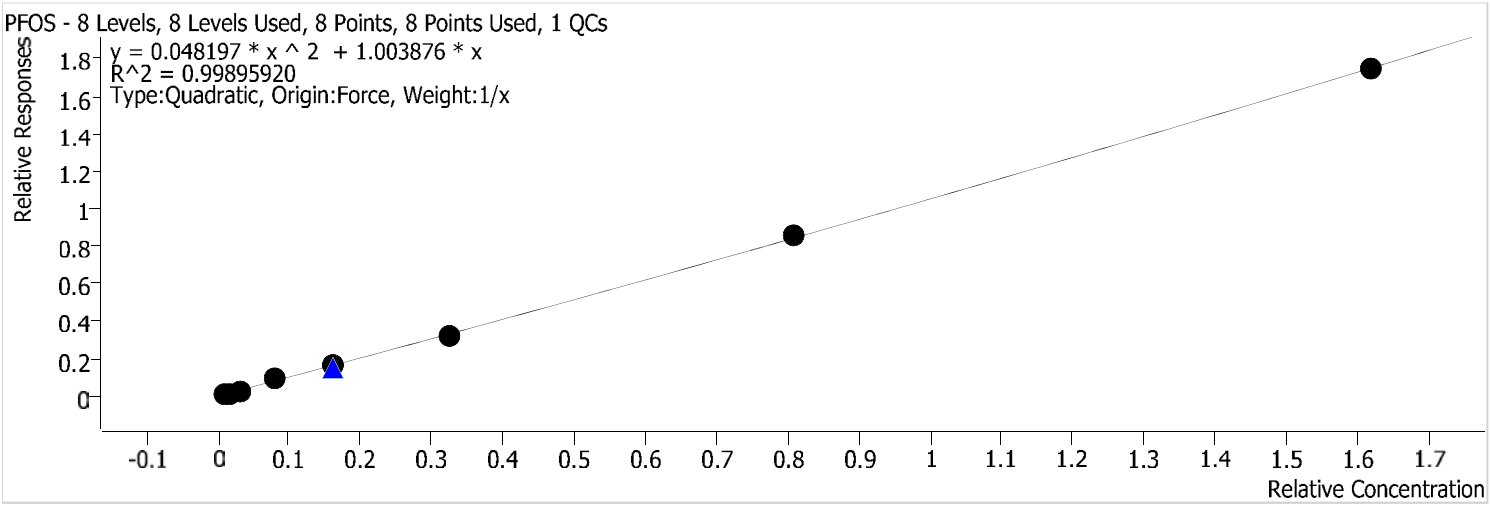
PFOA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	41827	500.0000	0.8716
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	95516	1000.0000	0.9285
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	248879	2500.0000	1.1379
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	517011	5000.0000	1.0240
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	540672	5000.0000	0.9980
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	982741	10000.0000	0.9964
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	2114017	25000.0000	1.0539
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	4818851	50000.0000	1.0831

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

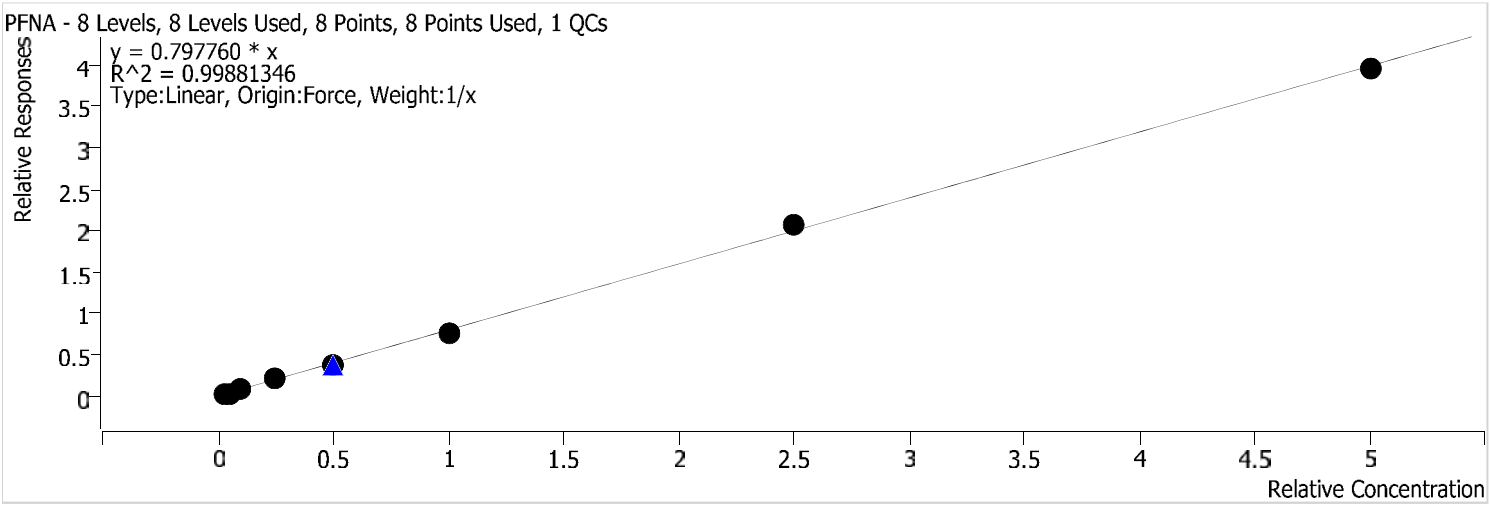
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	10548	928.0000	0.8328
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	30753	2320.0000	1.1357
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	62786	4640.0000	1.0166
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	63072	4640.0000	0.9353
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	119377	9280.0000	0.9886
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	251765	23200.0000	1.0583
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	562072	46400.0000	1.0789

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

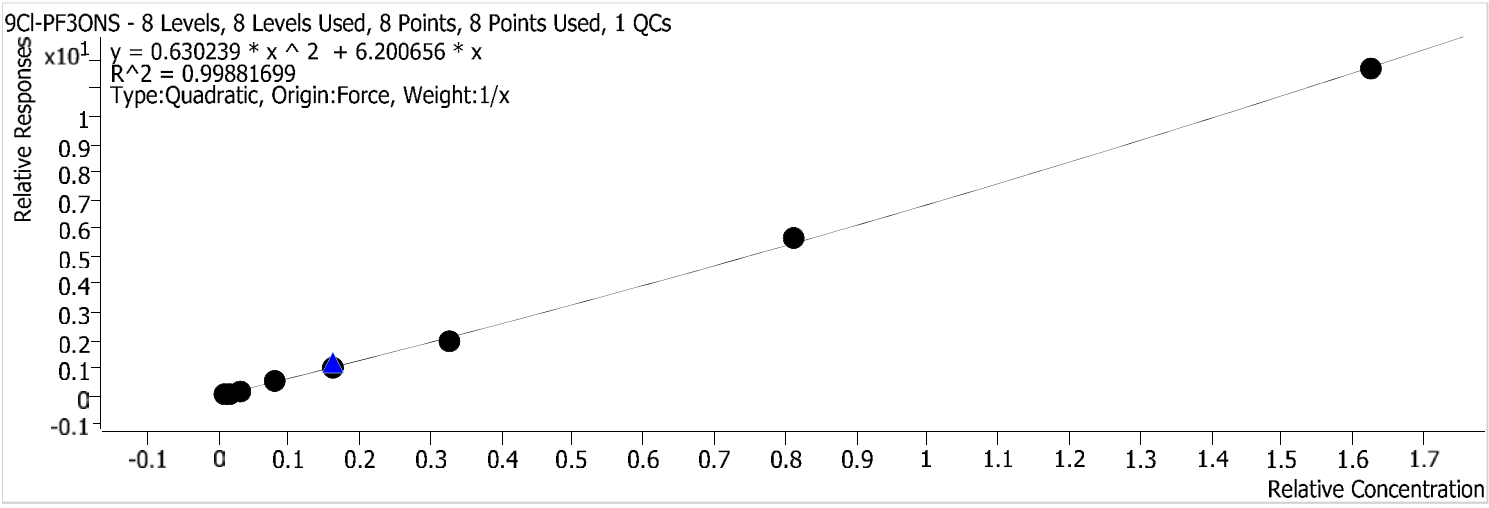
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	73032	1000.0000	0.7099
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	191446	2500.0000	0.8753
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	391701	5000.0000	0.7758
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	413147	5000.0000	0.7626
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	762769	10000.0000	0.7733
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	1659349	25000.0000	0.8272
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	3513472	50000.0000	0.7897

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

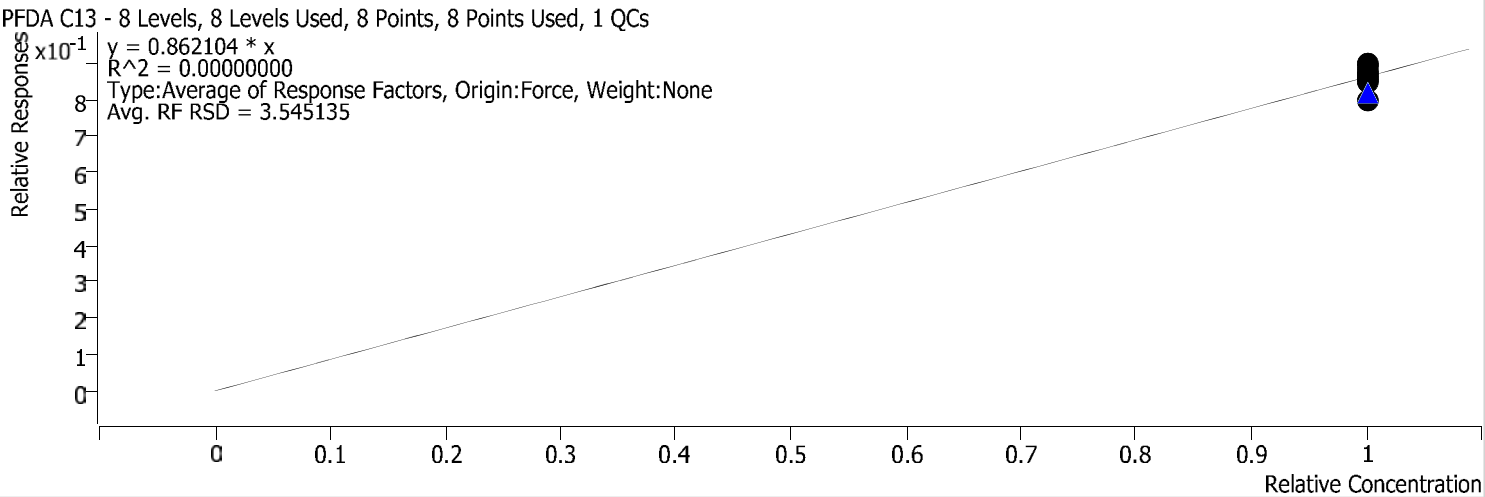
9Cl-PF3ONS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	68236	933.0000	5.3585
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	189913	2330.0000	6.9835
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	385283	4660.0000	6.2116
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	499344	4660.0000	7.3727
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	745767	9330.0000	6.1430
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	1651324	23300.0000	6.9117
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	3758963	46600.0000	7.1842

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

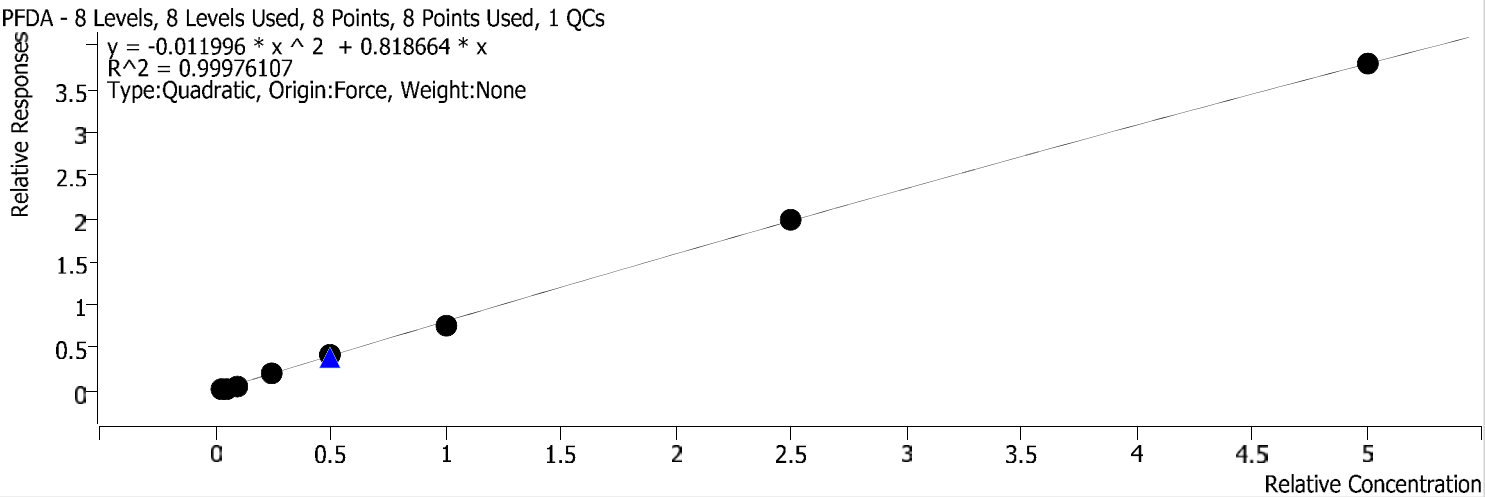
PFDA C13



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	919824	10000.0000	0.8941
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	751965	10000.0000	0.8595
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	882516	10000.0000	0.8739
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	890231	10000.0000	0.8216
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	856141	10000.0000	0.8680
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	679543	10000.0000	0.8469
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	711561	10000.0000	0.7996

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

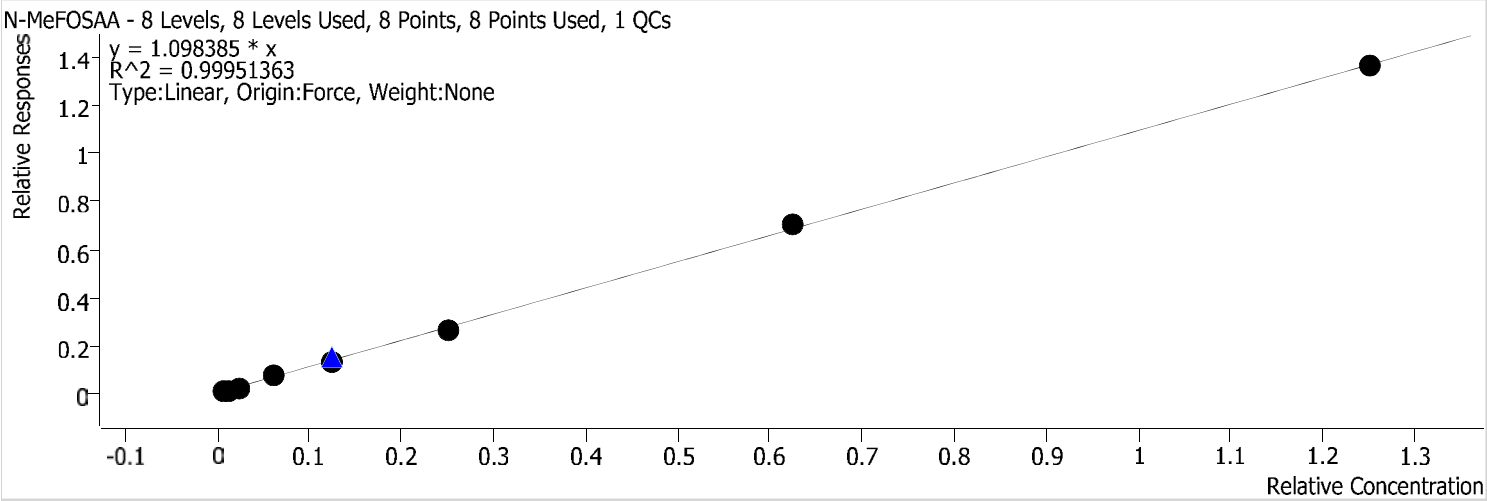
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	67918	1000.0000	0.6602
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	185604	2500.0000	0.8486
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	408869	5000.0000	0.8098
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	419109	5000.0000	0.7736
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	753471	10000.0000	0.7639
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	1604376	25000.0000	0.7998
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	3370956	50000.0000	0.7576

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

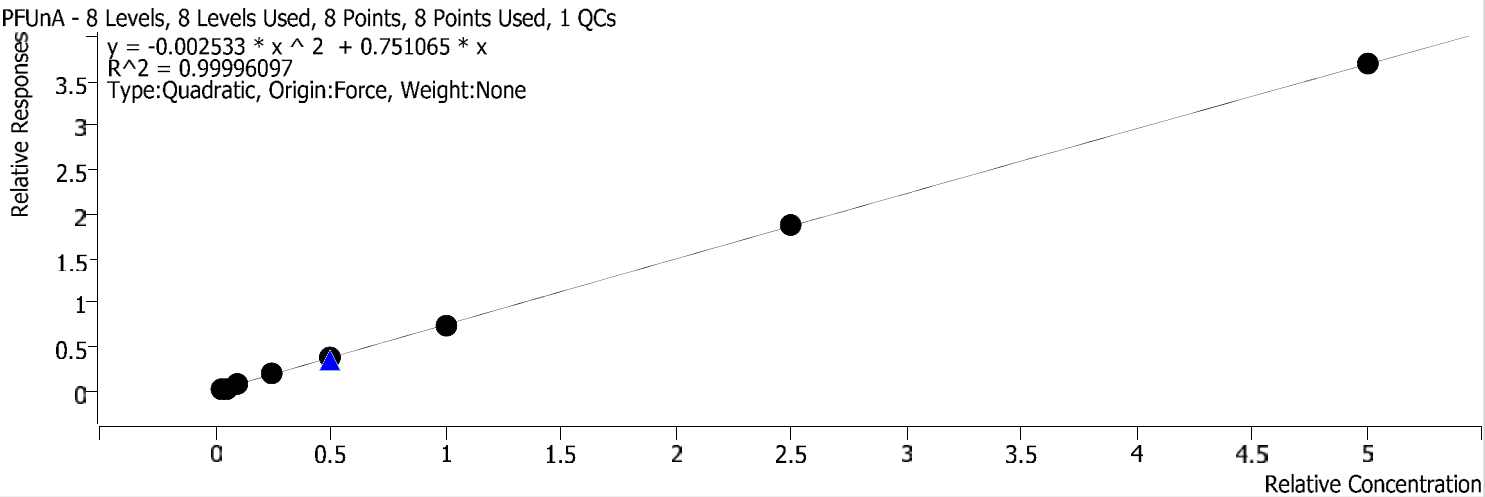
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	9605	500.0000	0.8140
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	21464	1000.0000	0.8550
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	58438	2500.0000	1.0979
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	129366	5000.0000	1.0400
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	158648	5000.0000	1.2331
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	249108	10000.0000	1.0368
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	558884	25000.0000	1.1308
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	1213567	50000.0000	1.0935

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

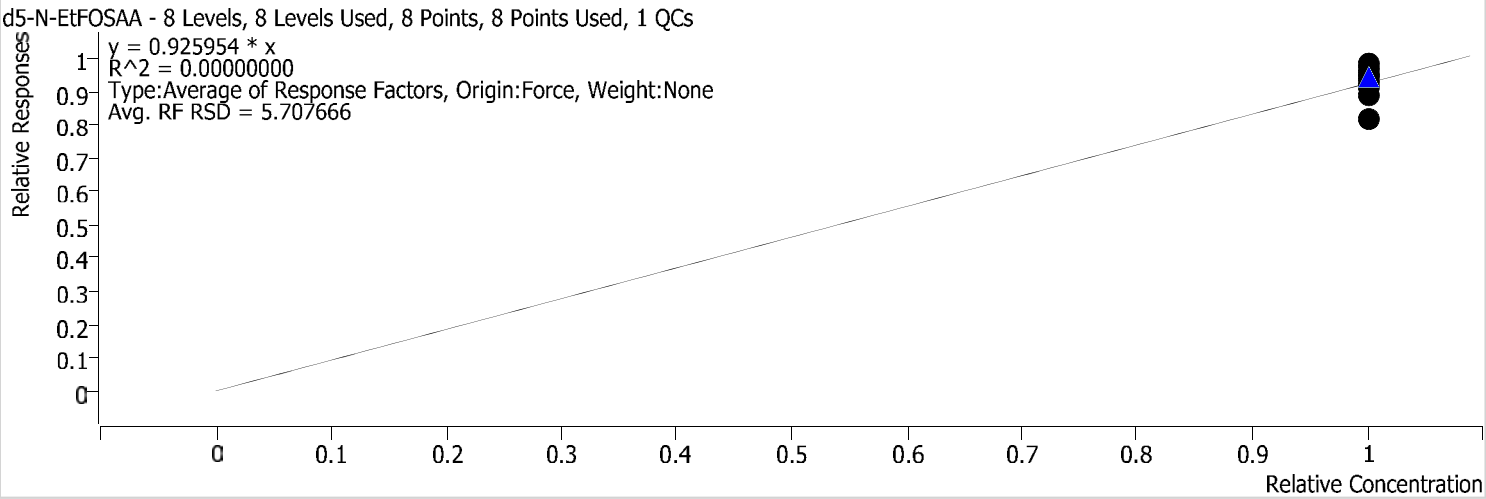
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	28843	500.0000	0.6010
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	67914	1000.0000	0.6602
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	178713	2500.0000	0.8171
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	381196	5000.0000	0.7550
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	393091	5000.0000	0.7256
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	732476	10000.0000	0.7426
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	1494451	25000.0000	0.7450
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	3285380	50000.0000	0.7384

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

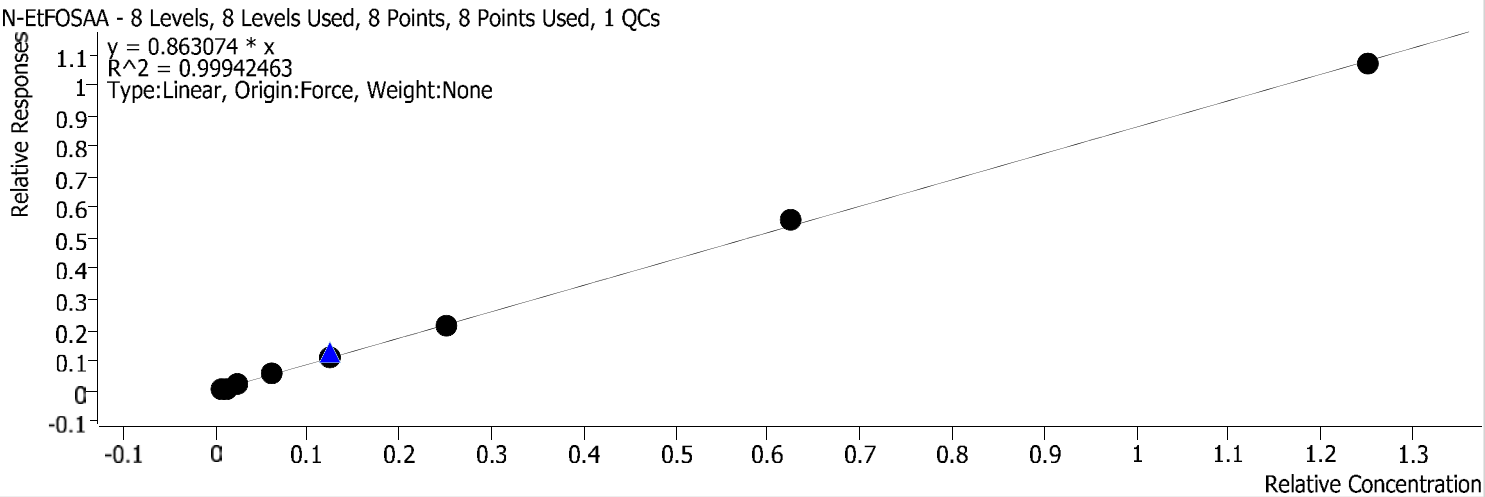
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	977578	40000.0000	0.9736
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	780628	40000.0000	0.9166
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	941195	40000.0000	0.9458
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D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	915511	40000.0000	0.9526
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	704788	40000.0000	0.8913
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	726292	40000.0000	0.8180

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

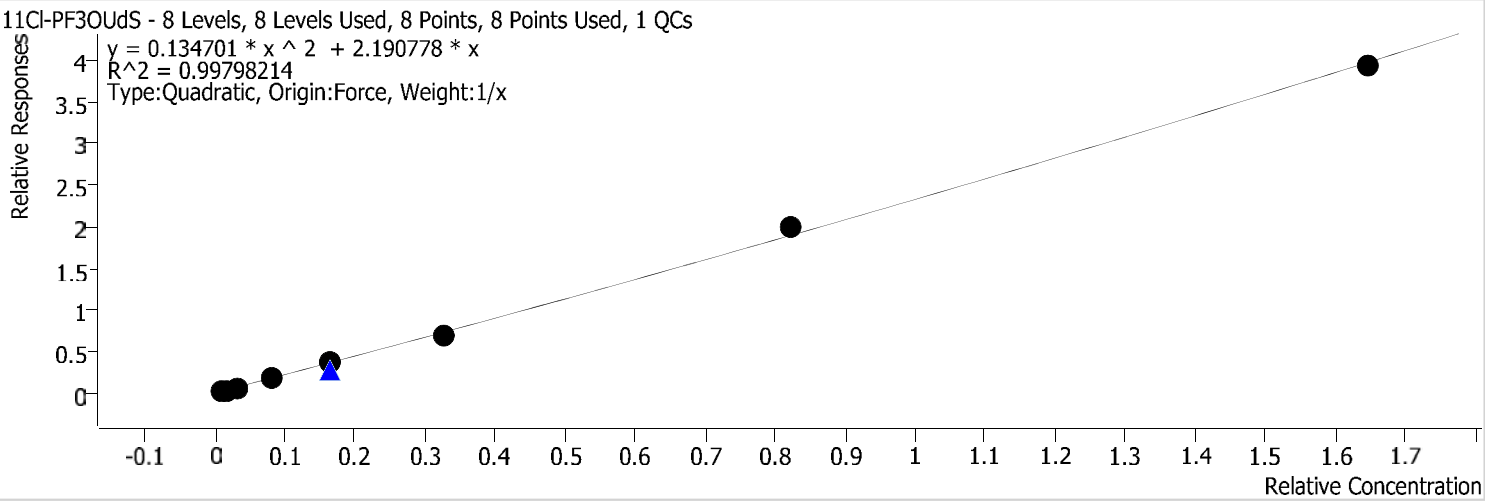
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Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	8273	500.0000	0.7011
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	20542	1000.0000	0.8183
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D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	113142	5000.0000	0.9096
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	135132	5000.0000	1.0503
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	207908	10000.0000	0.8653
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	441503	25000.0000	0.8933
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	948562	50000.0000	0.8547

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

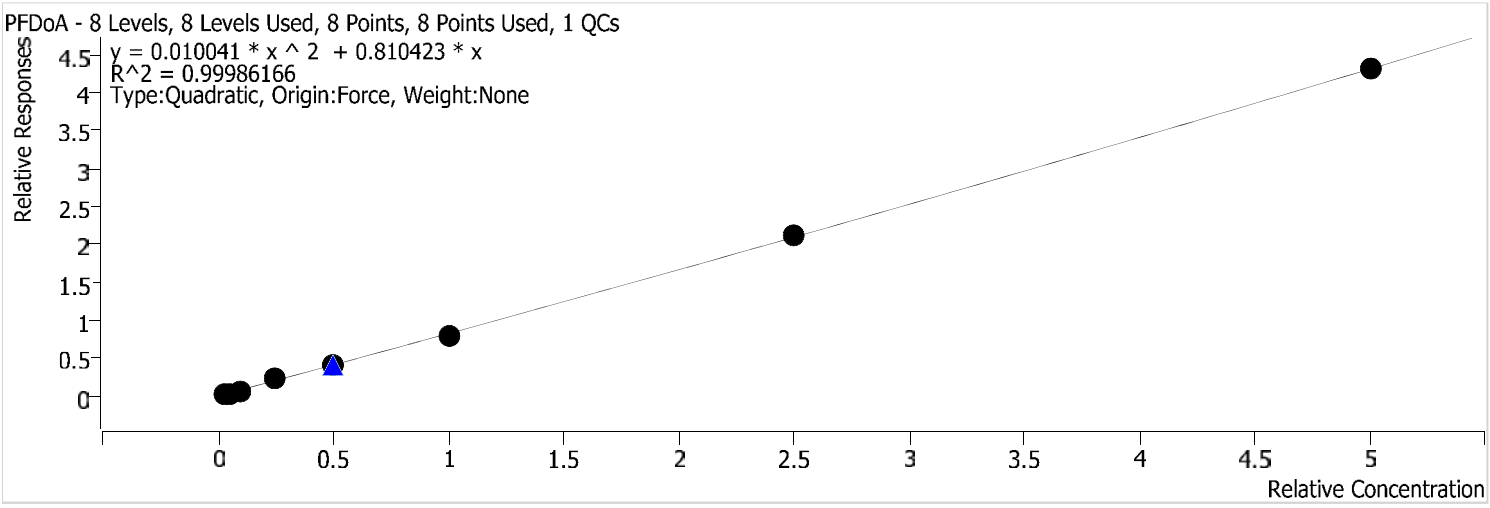
11Cl-PF3OUdS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	9880	472.0000	1.6249
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	23628	943.0000	1.8358
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	63712	2360.0000	2.3130
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	137714	4720.0000	2.1920
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	118132	4720.0000	1.7220
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	259432	9430.0000	2.1143
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	587320	23600.0000	2.4270
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	1264436	47200.0000	2.3859

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

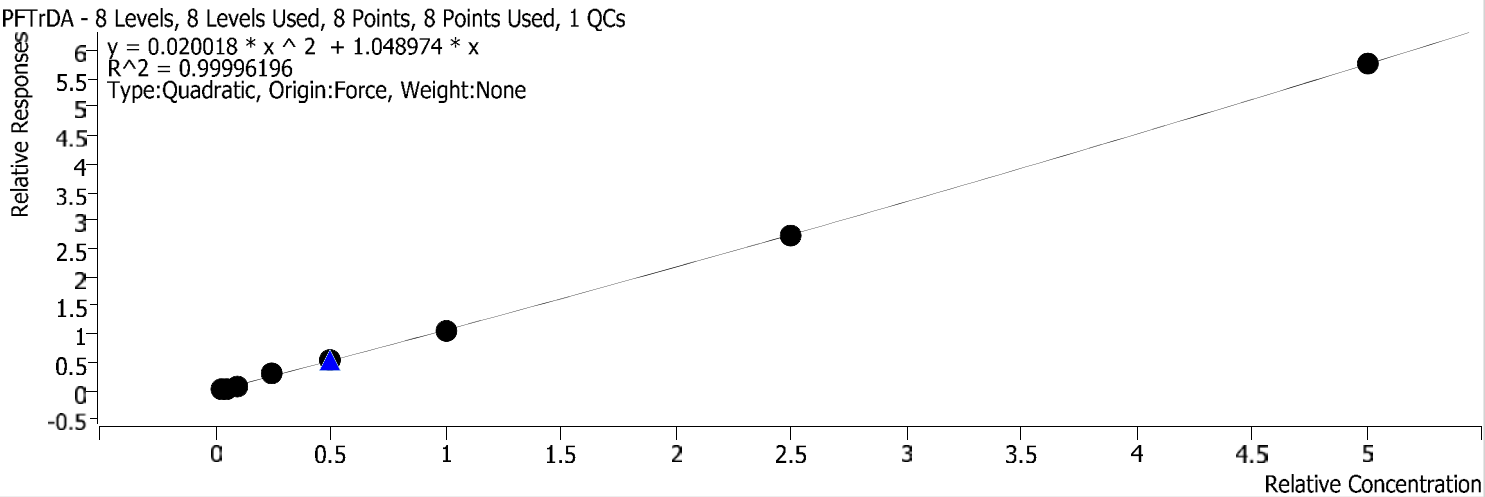
PFDoA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\APR2022\041222_B\CAL1_5371_041222.d	Calibration	1	x	16392	250.0000	0.6982
D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	32159	500.0000	0.6701
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	70390	1000.0000	0.6842
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	190456	2500.0000	0.8707
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	407088	5000.0000	0.8063
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	432399	5000.0000	0.7981
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	774774	10000.0000	0.7855
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	1694159	25000.0000	0.8446
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	3825419	50000.0000	0.8598

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Analyst Name**	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	**Reporter Name**	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

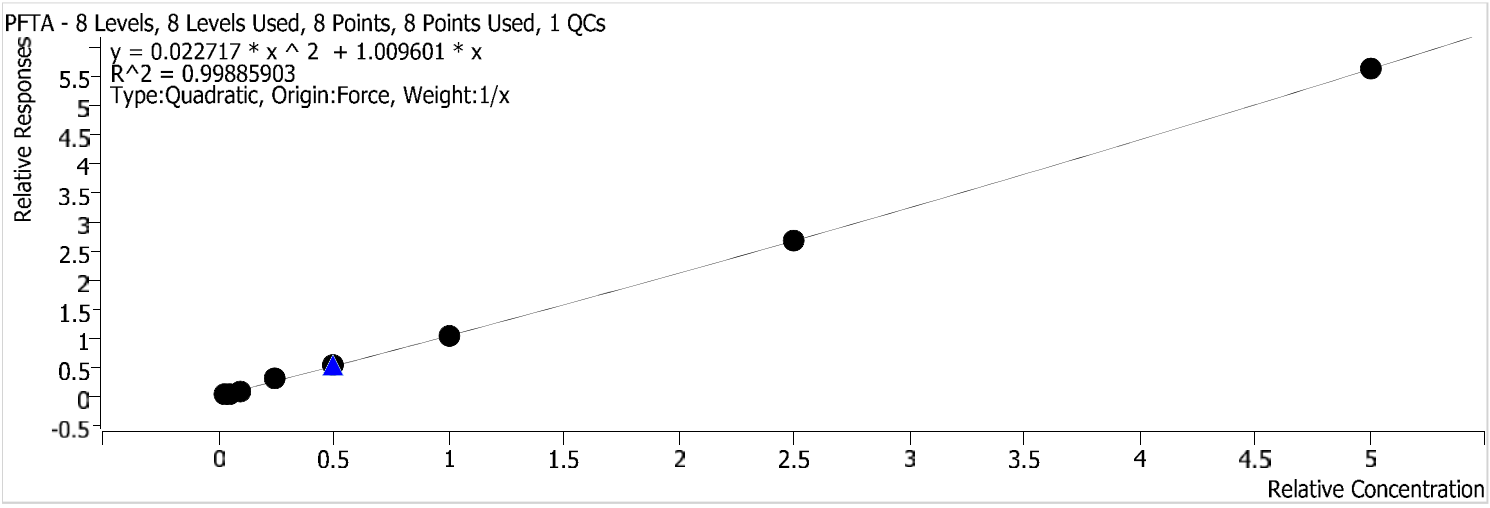
PFTrDA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\APR2022\041222_B\CAL1_5371_041222.d	Calibration	1	x	20770	250.0000	0.8847
D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	41295	500.0000	0.8605
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	94102	1000.0000	0.9147
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	254618	2500.0000	1.1641
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	534986	5000.0000	1.0596
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	570922	5000.0000	1.0538
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	1049799	10000.0000	1.0644
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	2203902	25000.0000	1.0987
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	5112827	50000.0000	1.1491

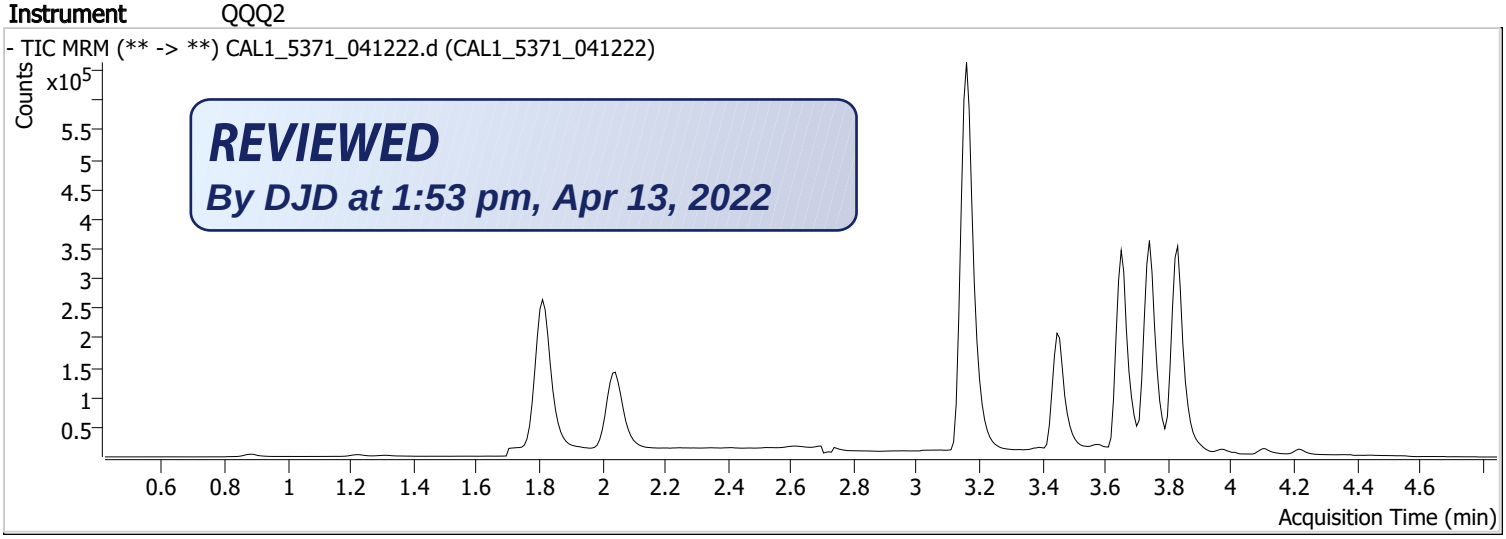
Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	Analyst Name	CONTEST\LLC6470
Report Time	4/13/2022 10:05:16 AM	Reporter Name	CONTEST\LLC6470
Last Calib Update	4/13/2022 10:03 AM	Batch State	Processed
Quant Batch Version	10.2	Quant Report Version	10.2

PFTA



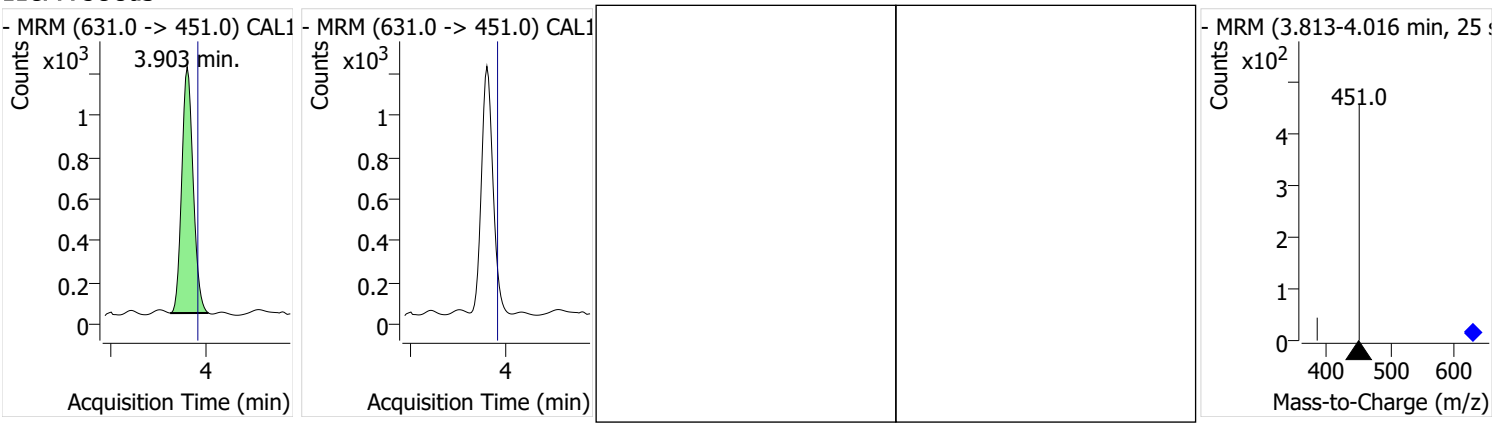
Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\APR2022\041222_B\CAL1_5371_041222.d	Calibration	1	x	17304	250.0000	0.7370
D:\MassHunter\Data\APR2022\041222_B\CAL2_5371_041222.d	Calibration	2	x	37405	500.0000	0.7795
D:\MassHunter\Data\APR2022\041222_B\CAL3_5371_041222.d	Calibration	3	x	85162	1000.0000	0.8278
D:\MassHunter\Data\APR2022\041222_B\CAL4_5371_041222.d	Calibration	4	x	249199	2500.0000	1.1393
D:\MassHunter\Data\APR2022\041222_B\CAL5_5371_041222.d	Calibration	5	x	519936	5000.0000	1.0298
D:\MassHunter\Data\APR2022\041222_B\ICV1_5371_041222.d	QC	5	x	555217	5000.0000	1.0248
D:\MassHunter\Data\APR2022\041222_B\CAL6_5371_041222.d	Calibration	6	x	1025561	10000.0000	1.0398
D:\MassHunter\Data\APR2022\041222_B\CAL7_5371_041222.d	Calibration	7	x	2134150	25000.0000	1.0639
D:\MassHunter\Data\APR2022\041222_B\CAL8_5371_041222.d	Calibration	8	x	4997531	50000.0000	1.1232

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 3:25 PM	**Data File**	CAL1_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL1_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203532	**Processing method**	5371_041222.m
Instrument	QQQ2		

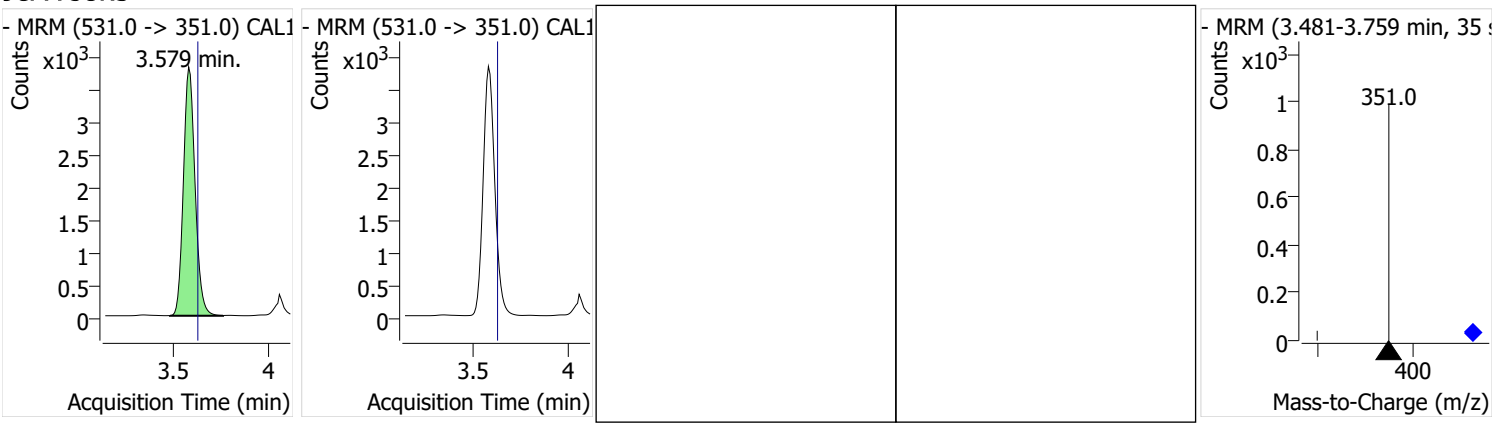


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	4928	PFOS C13	3.458	368038	175.3374	pg/ml			
9Cl-PF3ONS	3.579	16225	PFOS C13	3.458	368038	203.9038	pg/ml			
ADONA	2.725	25514	PFOA C13	3.162	939088	197.6717	pg/ml			
d5-N-EtFOSAA	3.831	895331	d3-N-MeFOSAA	3.741	910925	42459.1693	pg/ml			
HFPO-DA	2.041	1015	PFOA C13	3.162	939088	233.4639	pg/ml	✔	3	DRL 04/13/22
N-EtFOSAA	3.831	4167	d3-N-MeFOSAA	3.741	910925	211.9931	pg/ml			
N-MeFOSAA	3.741	4377	d3-N-MeFOSAA	3.741	910925	174.9788	pg/ml			
PFBS	1.308	4334	PFOS C13	3.458	368038	186.1496	pg/ml			
PFDA C13	3.653	841879	PFOA C13	3.162	939088	10398.8030	pg/ml			
PFDA	3.653	17244	PFOA C13	3.162	939088	224.3679	pg/ml			
PFDoA	3.977	16392	PFOA C13	3.162	939088	215.3312	pg/ml	✔	3	DRL 04/13/22
PFHpA	2.617	7743	PFOA C13	3.162	939088	193.3957	pg/ml	✔	3	DRL 04/13/22
PFHxA C13	1.813	875131	PFOA C13	3.162	939088	10184.2592	pg/ml			
PFHxA	1.814	14078	PFOA C13	3.162	939088	213.5609	pg/ml			
PFHxS	2.697	2949	PFOS C13	3.458	368038	189.5278	pg/ml			
PFNA	3.451	16520	PFOA C13	3.162	939088	220.5076	pg/ml	✔	3	DRL 04/13/22
PFOA	3.163	20413	PFOA C13	3.162	939088	214.5450	pg/ml	✔	3	DRL 04/13/22
PFOS	3.450	2657	PFOS C13	3.458	368038	206.3023	pg/ml			
M3HFPO-DA	2.040	86211	PFOA C13	3.162	939088	9864.5100	pg/ml			
PFTA	4.222	17304	PFOA C13	3.162	939088	182.4343	pg/ml	✔	3	DRL 04/13/22
PFTrDA	4.107	20770	PFOA C13	3.162	939088	210.7592	pg/ml	✔	3	DRL 04/13/22
PFUnA	3.824	17612	PFOA C13	3.162	939088	249.7271	pg/ml	✔	3	DRL 04/13/22

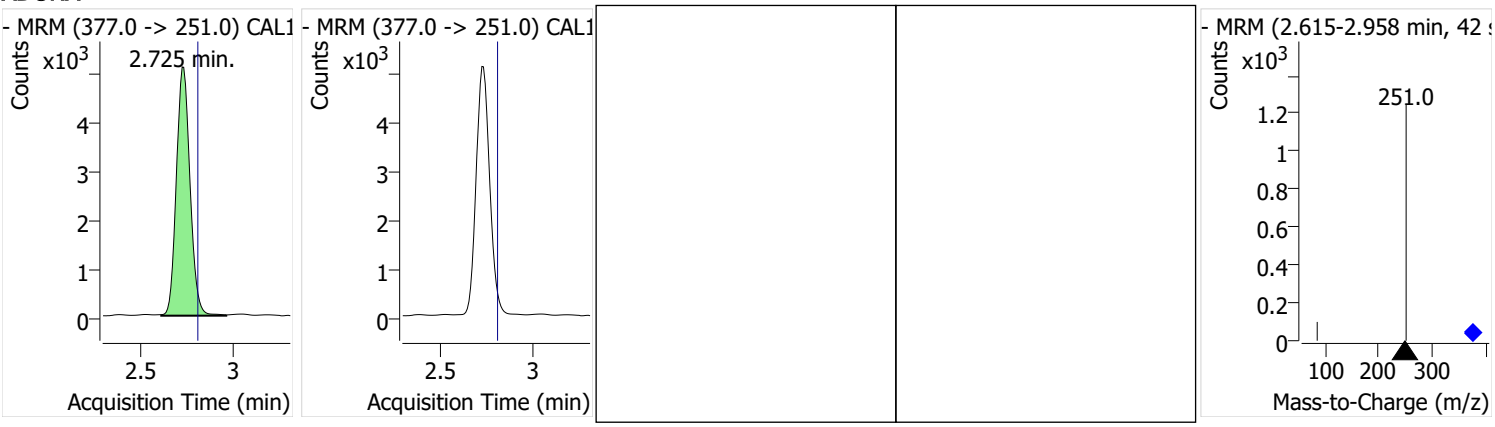
11Cl-PF3OUdS



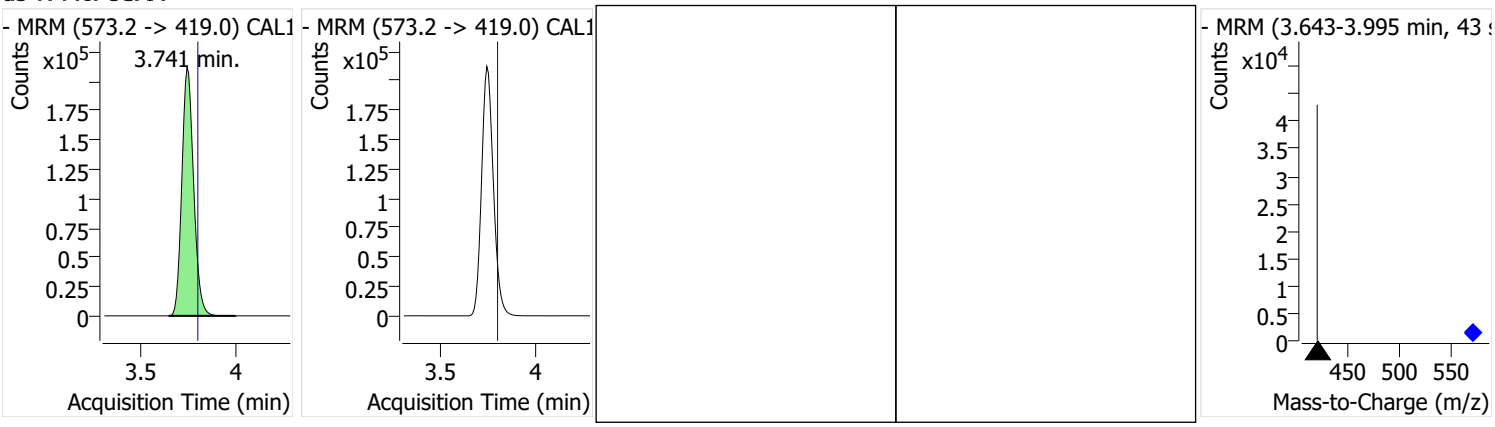
9Cl-PF3ONS



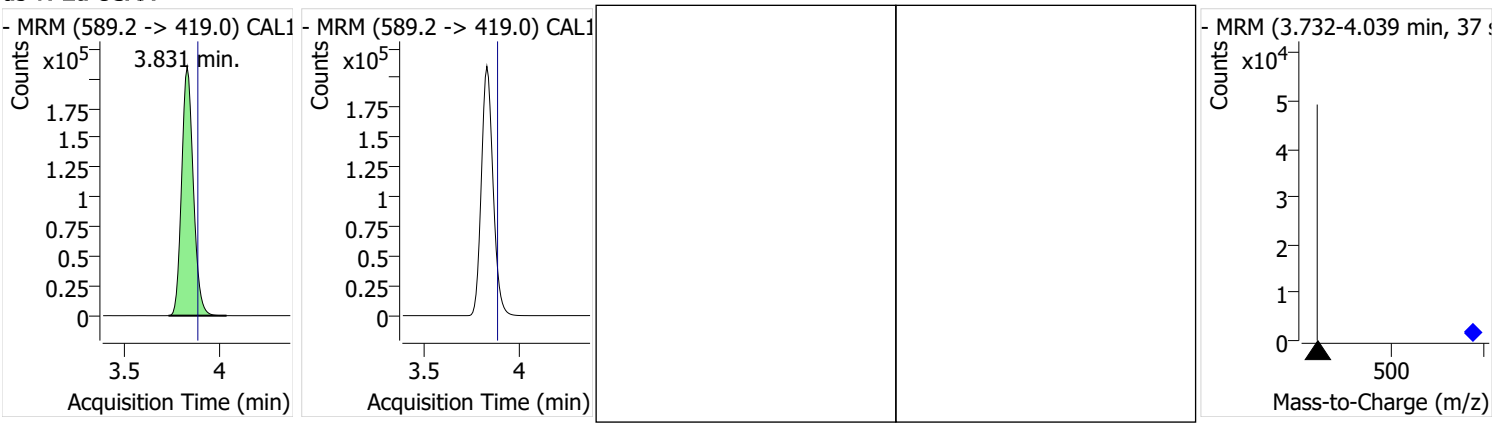
ADONA



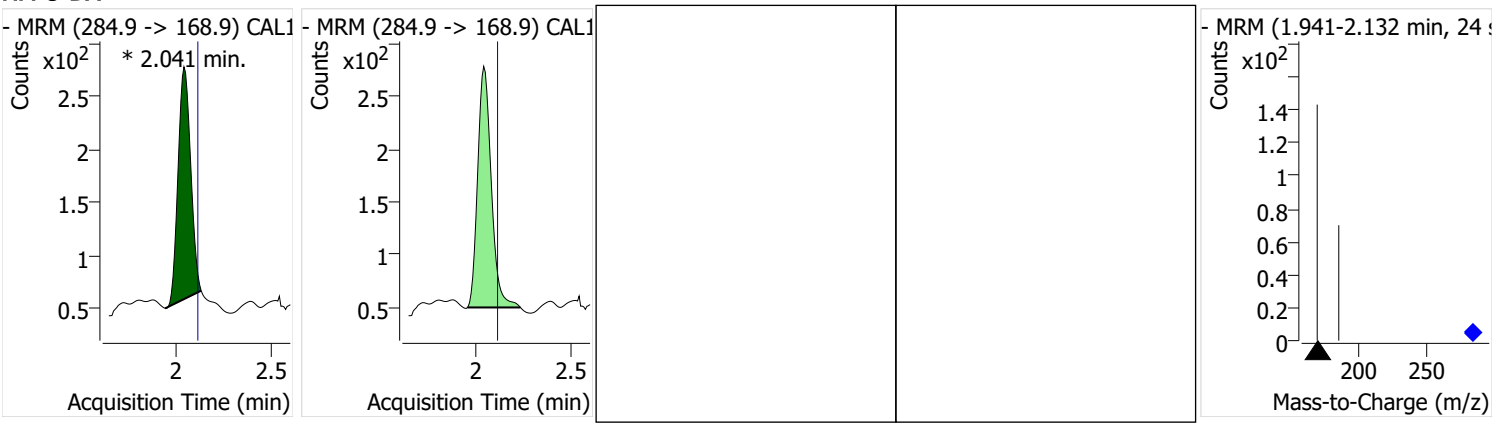
d3-N-MeFOSAA



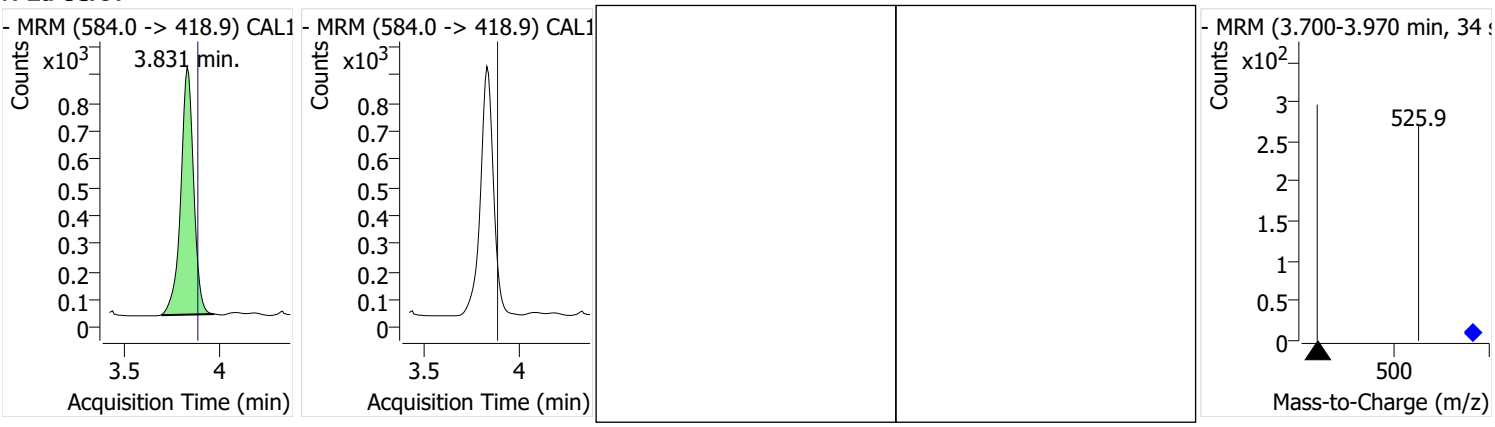
d5-N-EtFOSAA



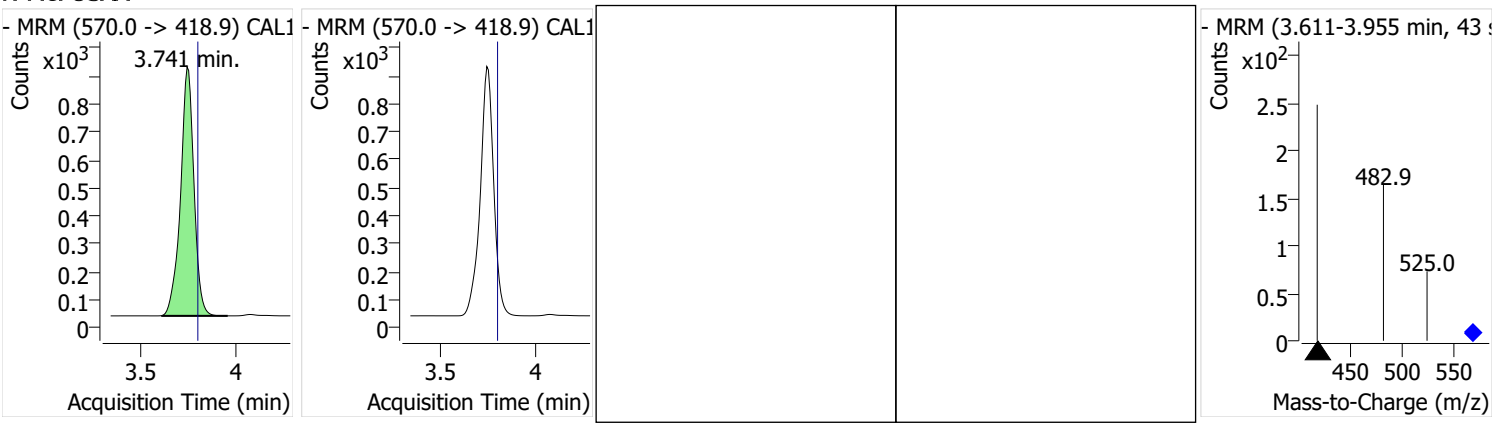
HFPO-DA



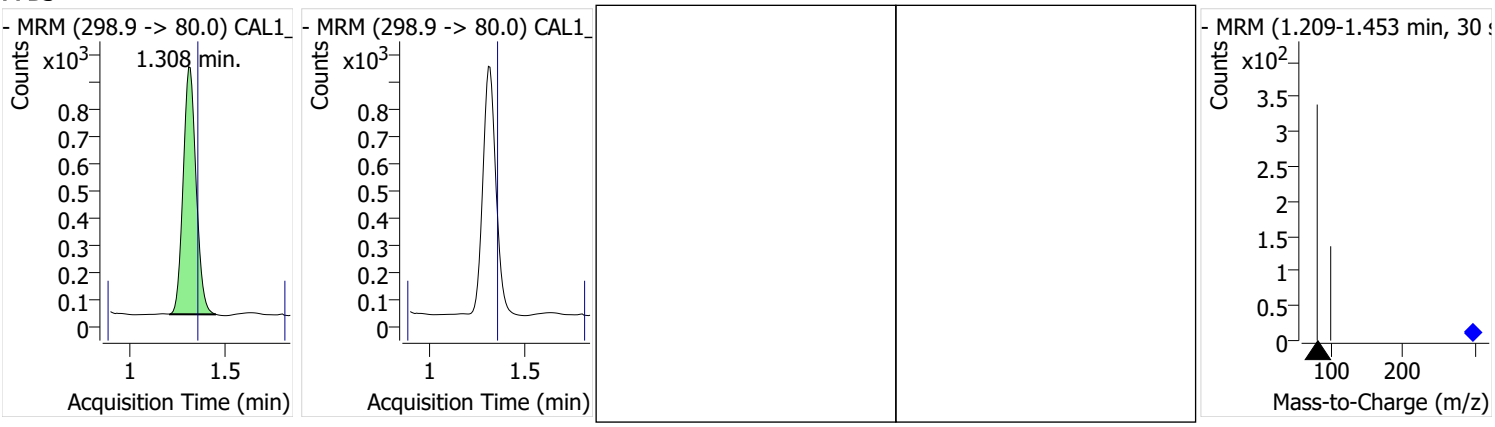
N-EtFOSAA



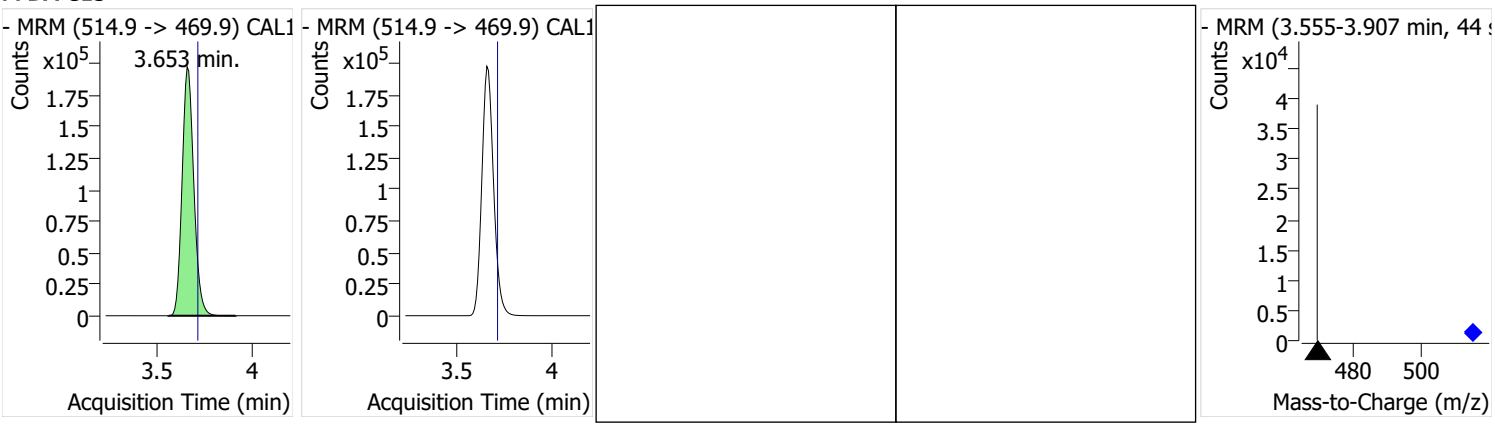
N-MeFOSAA



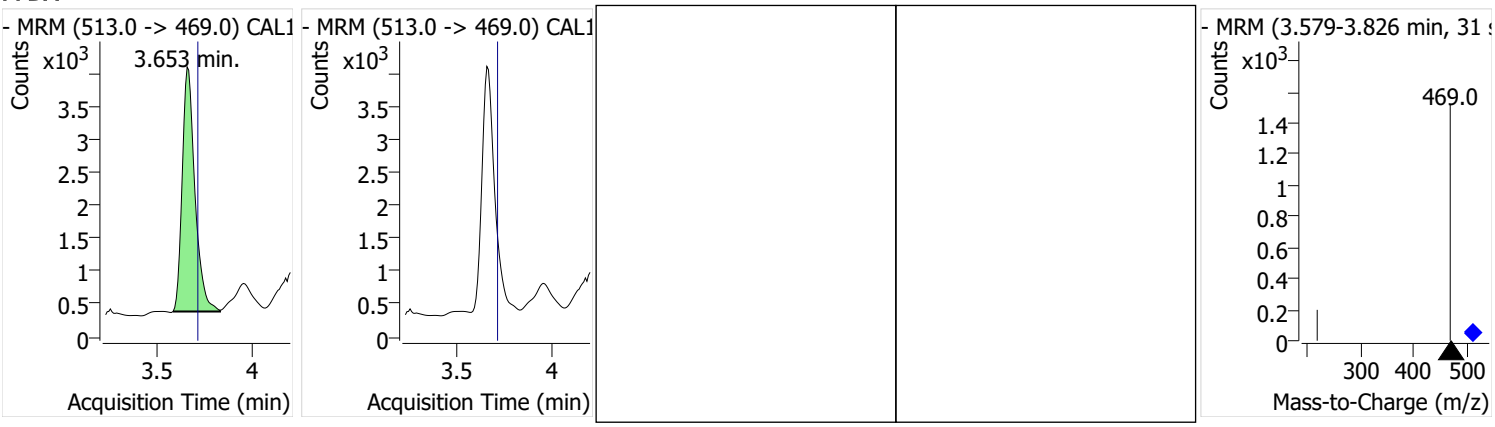
PFBS



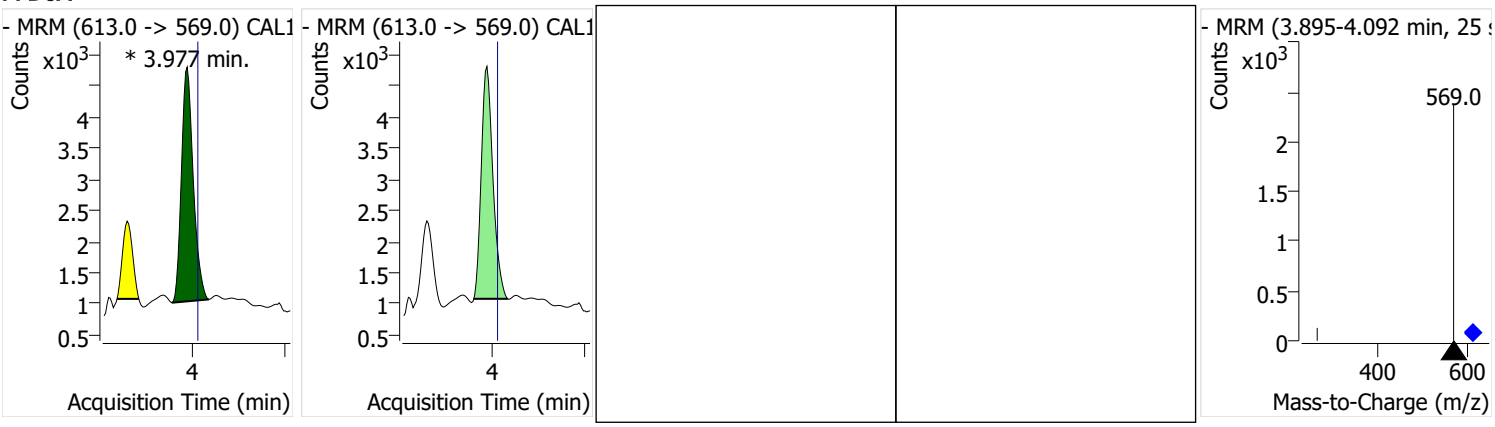
PFDA C13



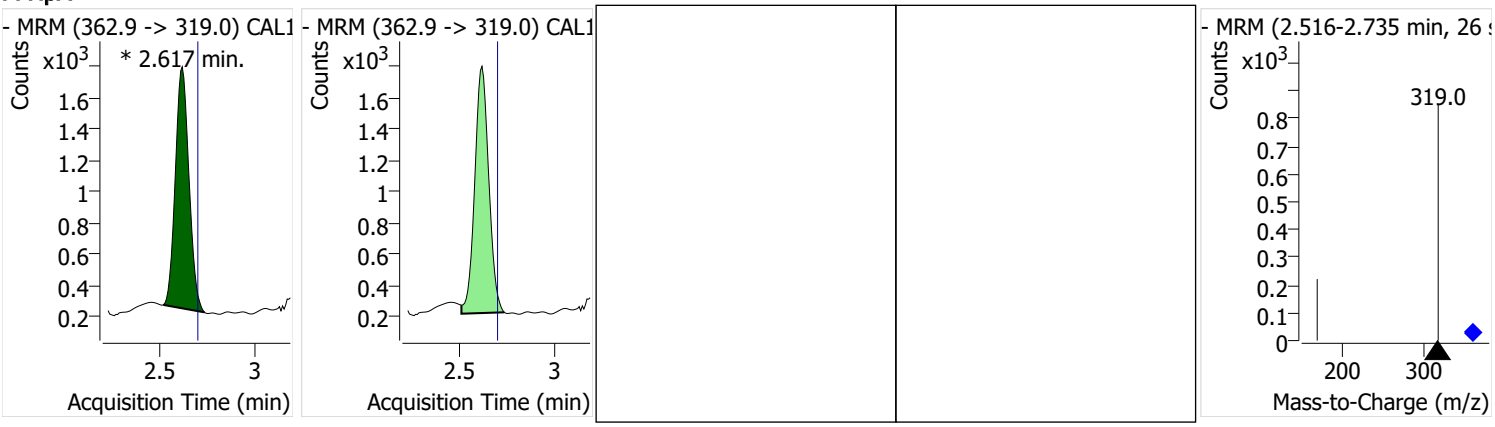
PFDA



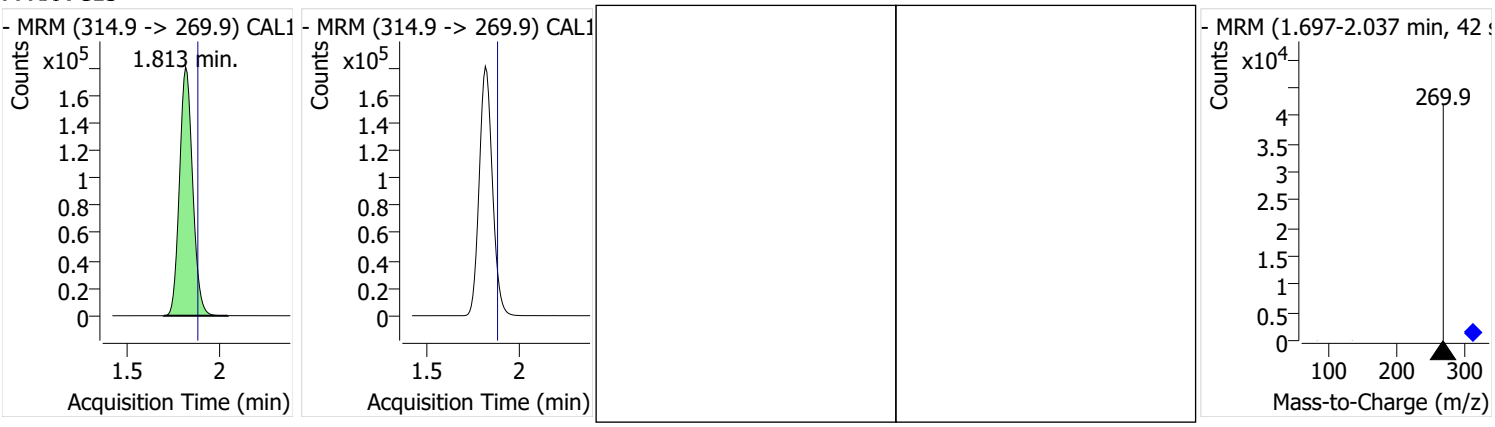
PFDoA



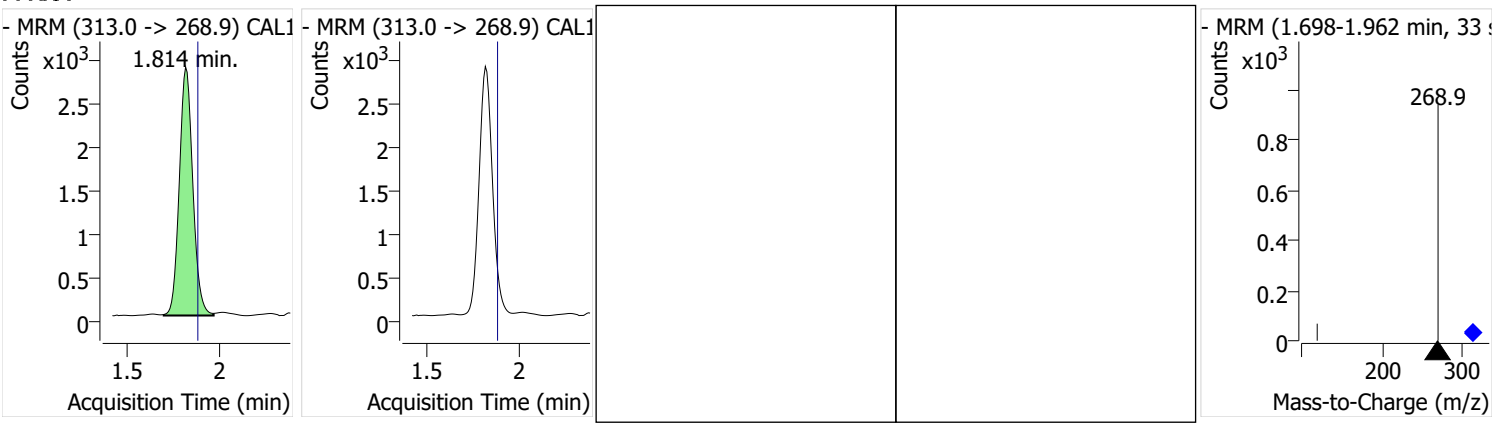
PFHpA



PFHxA C13



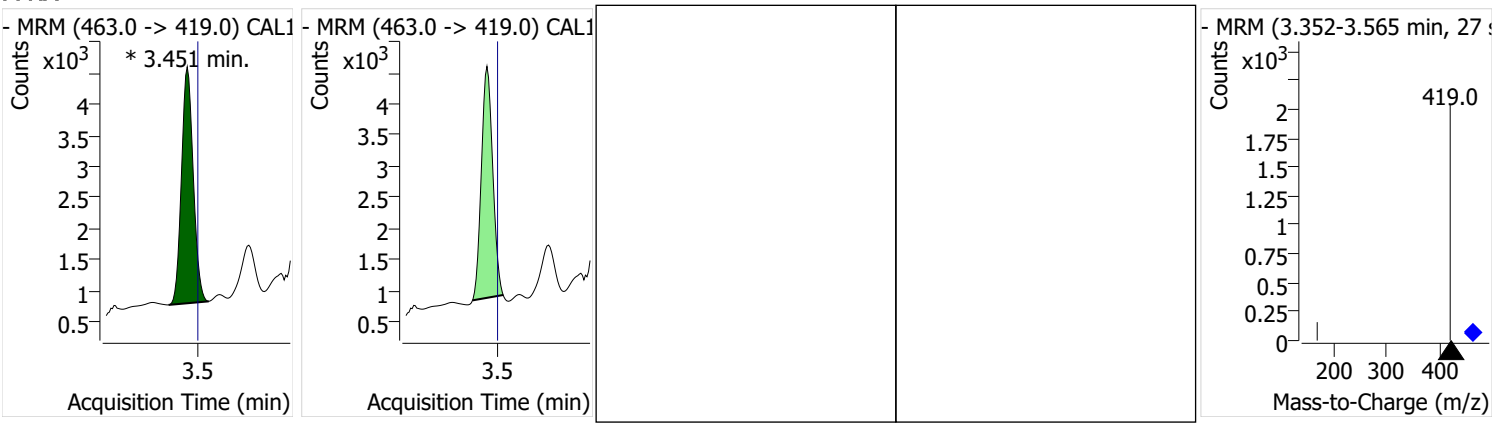
PFHxA



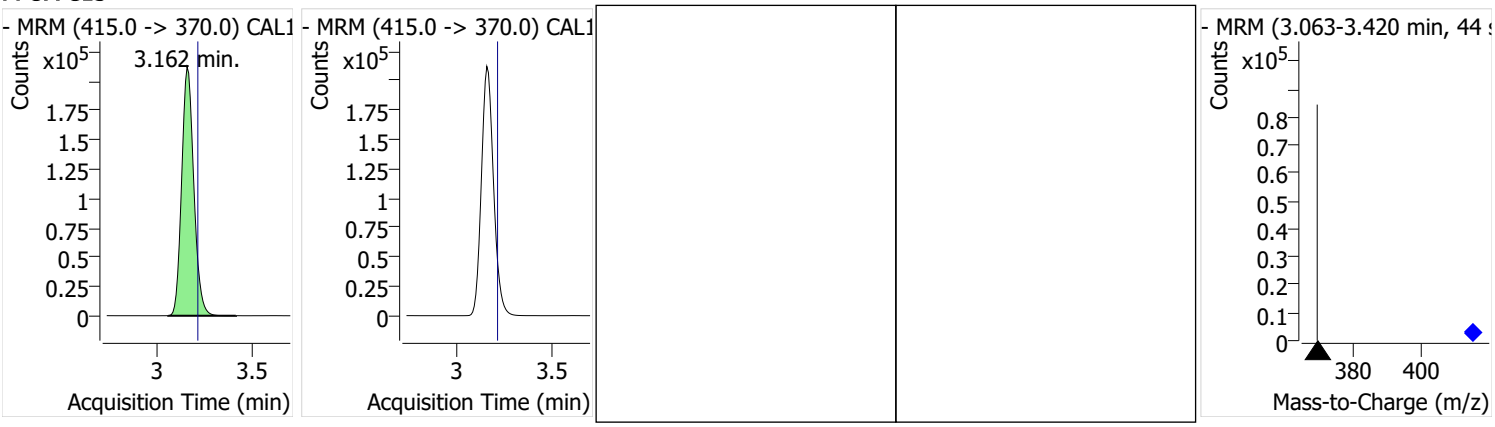
PFHxS



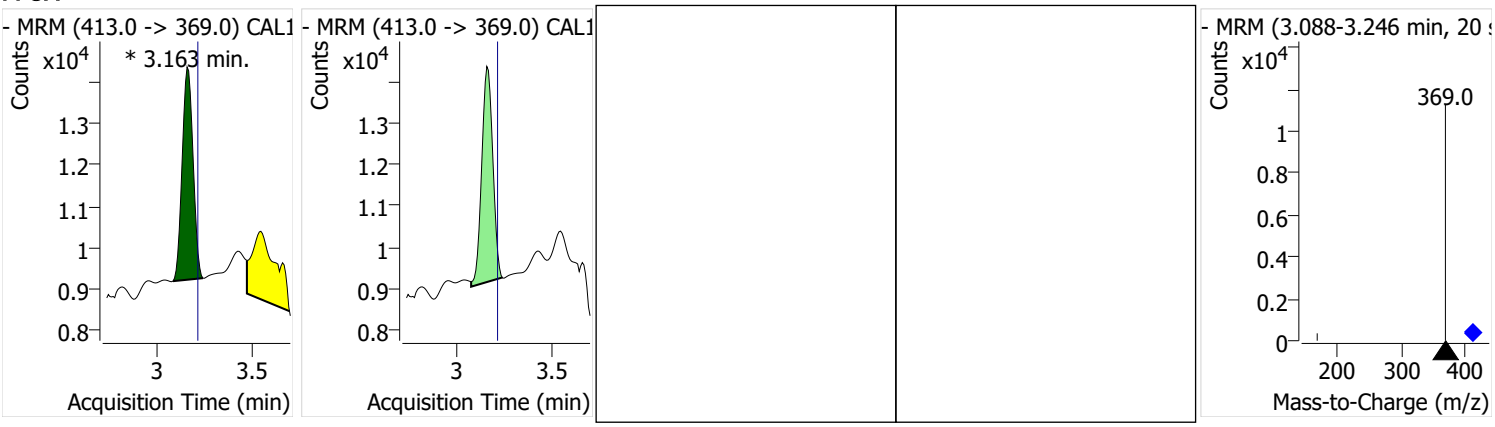
PFNA



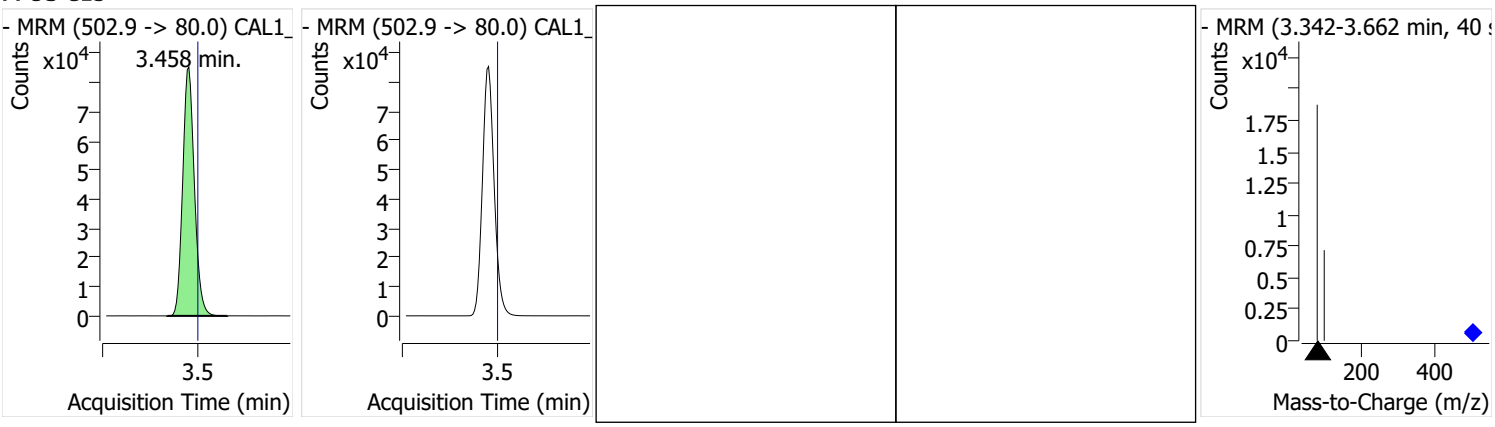
PFOA C13



PFOA



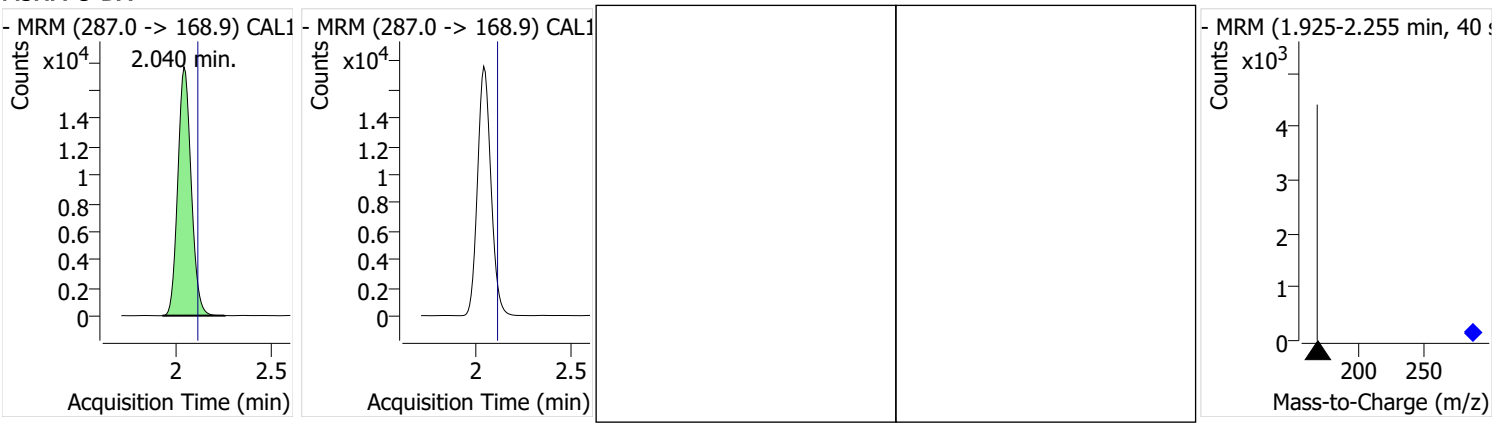
PFOS C13



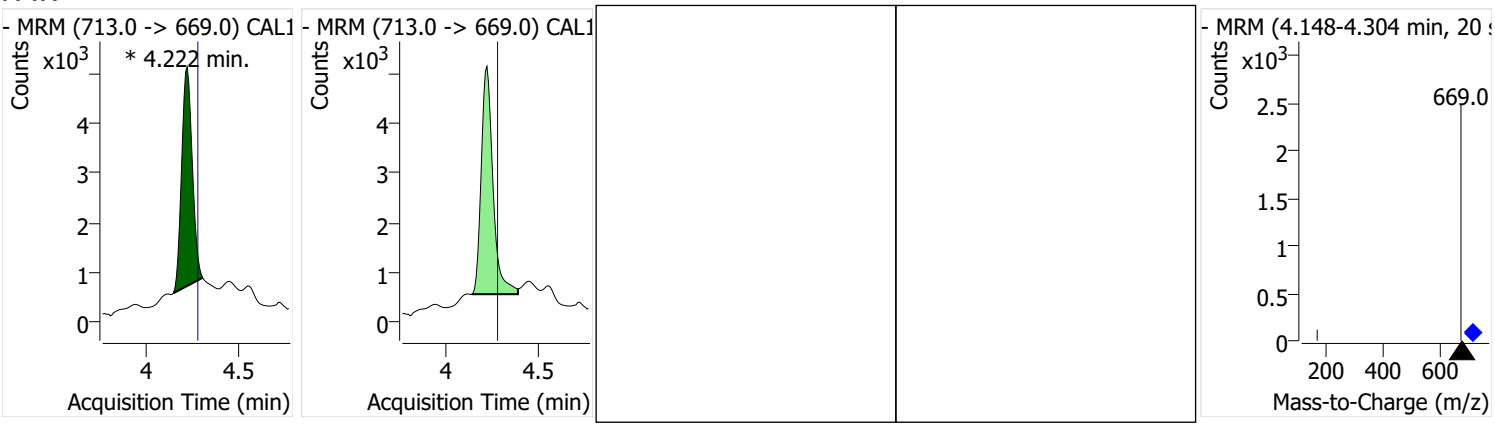
PFOS



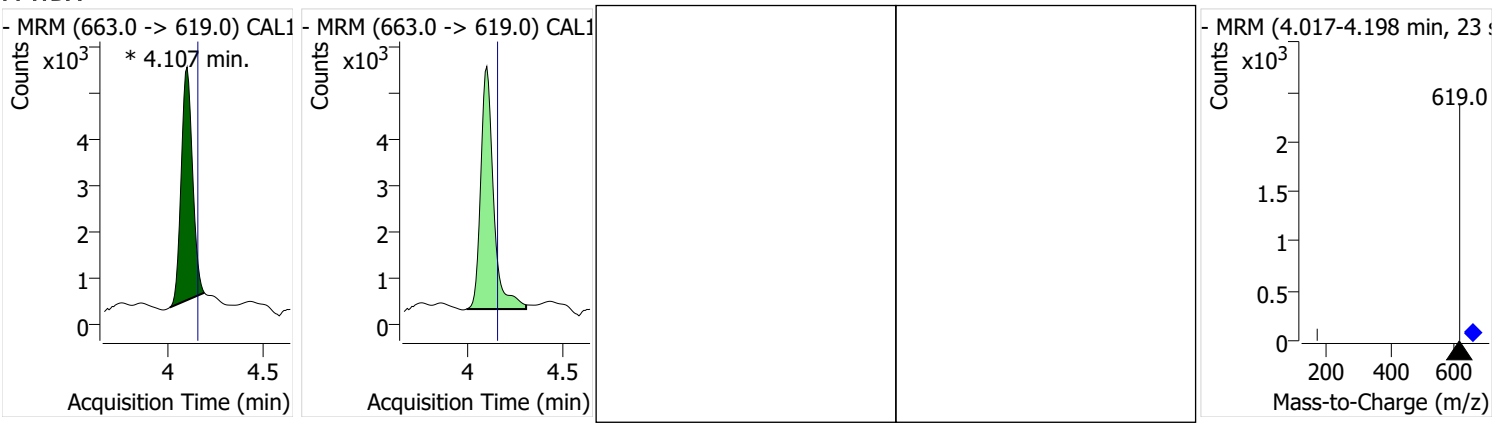
M3HFPO-DA



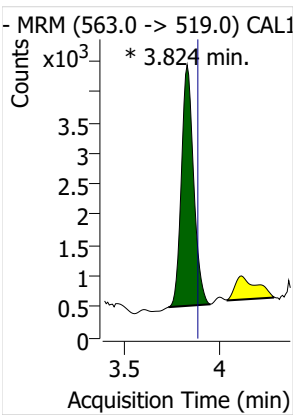
PFTA

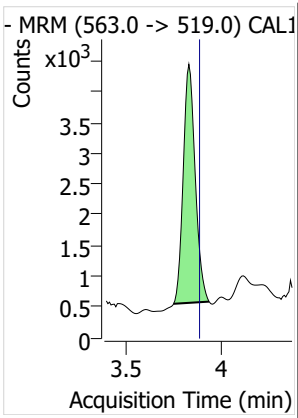


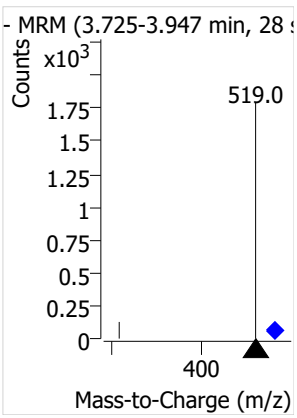
PFTrDA



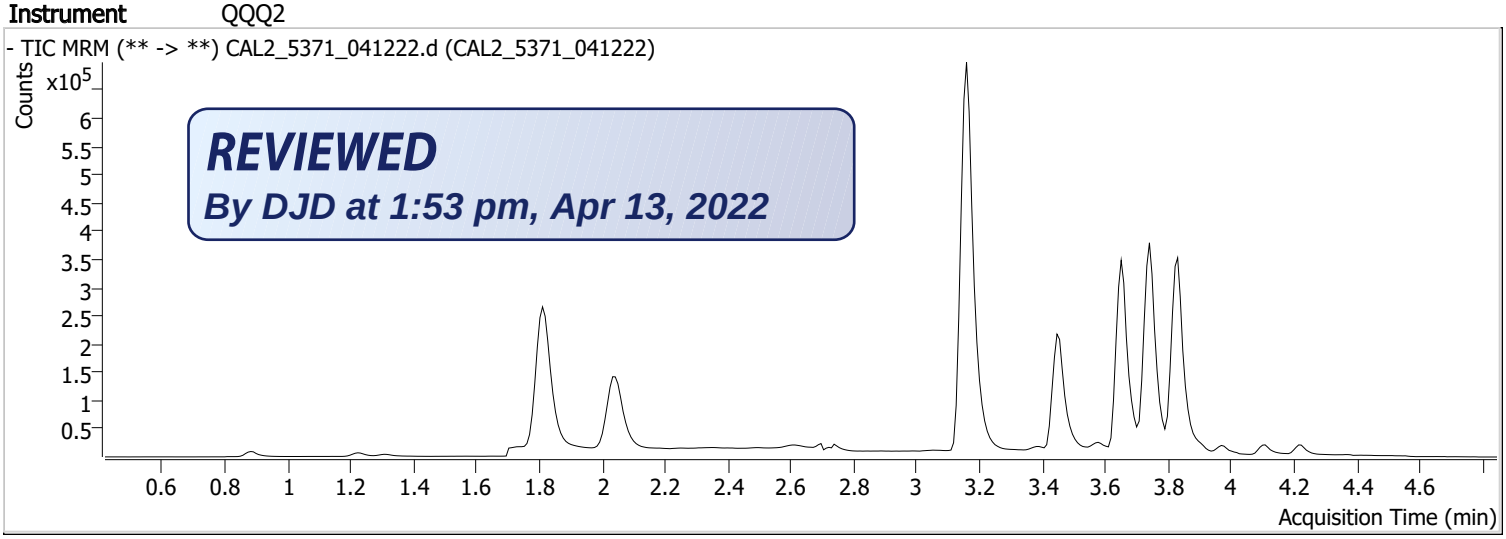
PFUnA


- MRM (563.0 -> 519.0) CAL1
Counts
x10^3
* 3.824 min.
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL1
Counts
x10^3
3.5
4
Acquisition Time (min)

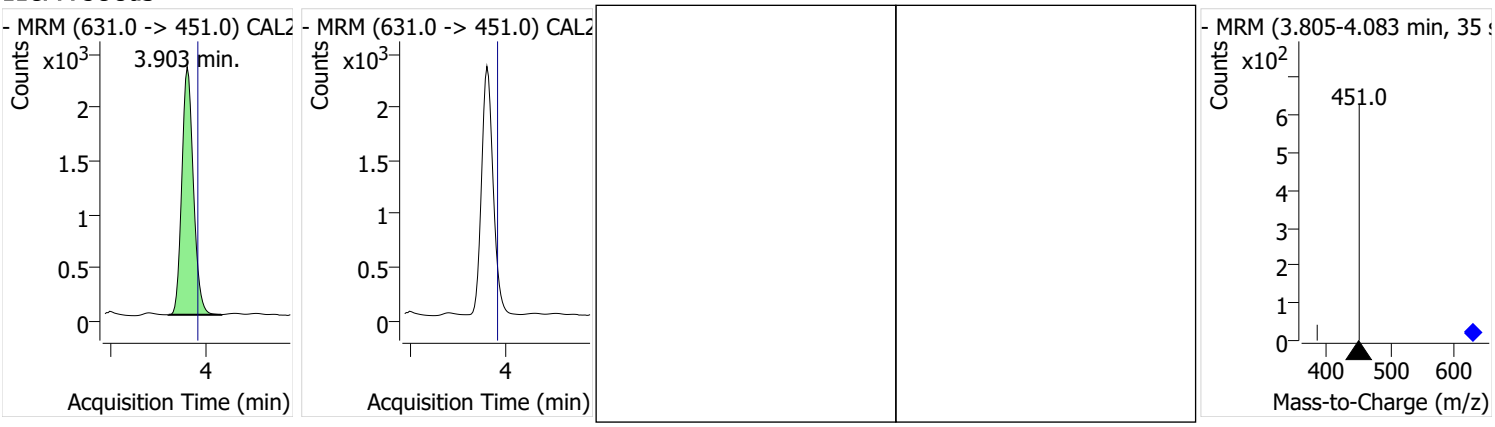

- MRM (3.725-3.947 min, 28
Counts
x10^3
519.0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 3:33 PM	**Data File**	CAL2_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL2_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203533	**Processing method**	5371_041222.m
Instrument	QQQ2		

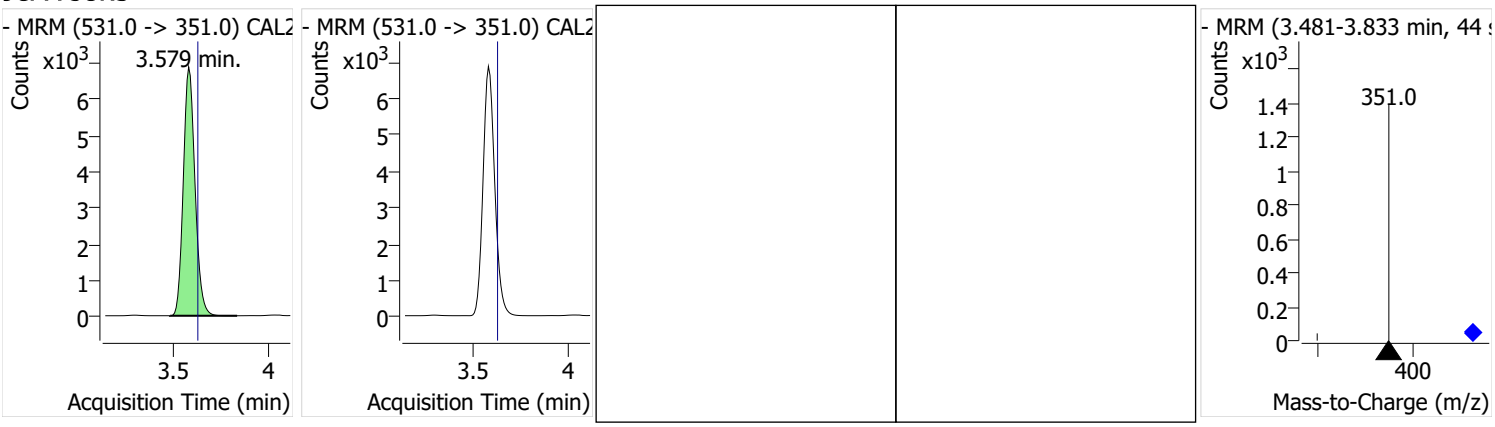


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	9880	PFOS C13	3.458	369705	349.8213	pg/ml			
9Cl-PF3ONS	3.579	29068	PFOS C13	3.458	369705	363.4515	pg/ml			
ADONA	2.733	51183	PFOA C13	3.162	959785	387.7891	pg/ml			
d5-N-EtFOSAA	3.831	874973	d3-N-MeFOSAA	3.741	944002	40039.8876	pg/ml			
HFPO-DA	2.041	1859	PFOA C13	3.162	959785	417.7950	pg/ml			
N-EtFOSAA	3.831	8273	d3-N-MeFOSAA	3.741	944002	406.1789	pg/ml			
N-MeFOSAA	3.741	9605	d3-N-MeFOSAA	3.741	944002	370.5297	pg/ml			
PFBS	1.316	7879	PFOS C13	3.458	369705	336.7721	pg/ml			
PFDA C13	3.653	823735	PFOA C13	3.162	959785	9955.2931	pg/ml			
PFDA	3.653	33401	PFOA C13	3.162	959785	425.3564	pg/ml			
PFDoA	3.977	32159	PFOA C13	3.162	959785	413.2309	pg/ml	✔	3	DRL 04/13/22
PFHpA	2.617	16080	PFOA C13	3.162	959785	392.8562	pg/ml			
PFHxA C13	1.813	825791	PFOA C13	3.162	959785	9402.8487	pg/ml			
PFHxA	1.814	28193	PFOA C13	3.162	959785	418.3312	pg/ml			
PFHxS	2.697	6119	PFOS C13	3.458	369705	391.1532	pg/ml			
PFNA	3.451	32521	PFOA C13	3.162	959785	424.7375	pg/ml			
PFOA	3.163	41827	PFOA C13	3.162	959785	429.9969	pg/ml	✔	3	DRL 04/13/22
PFOS	3.450	5087	PFOS C13	3.458	369705	393.1103	pg/ml			
M3HFPO-DA	2.040	84590	PFOA C13	3.162	959785	9470.3400	pg/ml			
PFTA	4.222	37405	PFOA C13	3.162	959785	385.6862	pg/ml	✔	3	DRL 04/13/22
PFTrDA	4.107	41295	PFOA C13	3.162	959785	409.8493	pg/ml	✔	3	DRL 04/13/22
PFUnA	3.824	28843	PFOA C13	3.162	959785	400.1786	pg/ml			

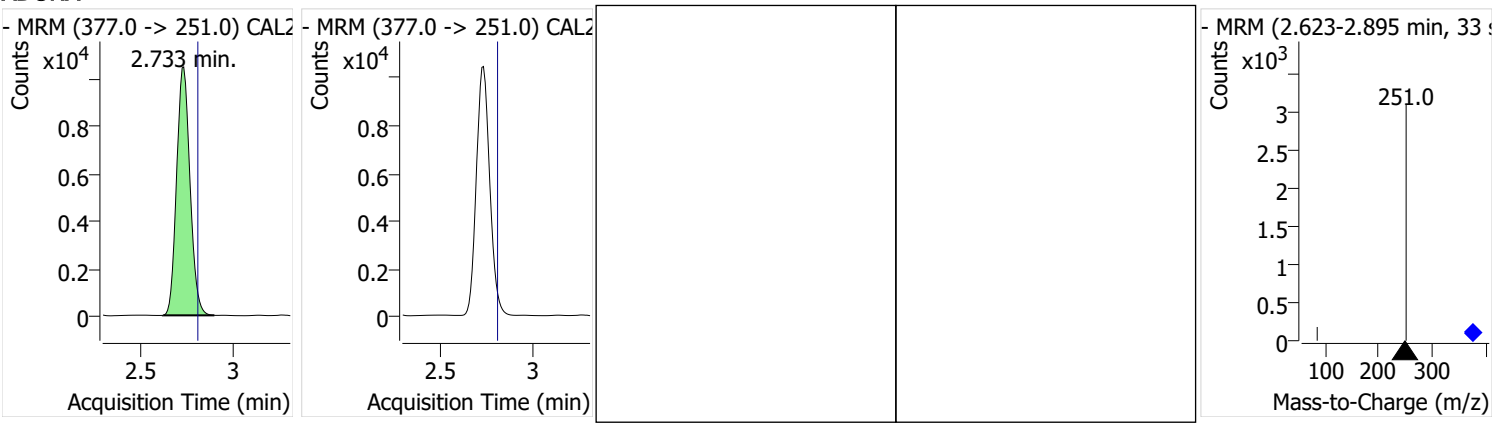
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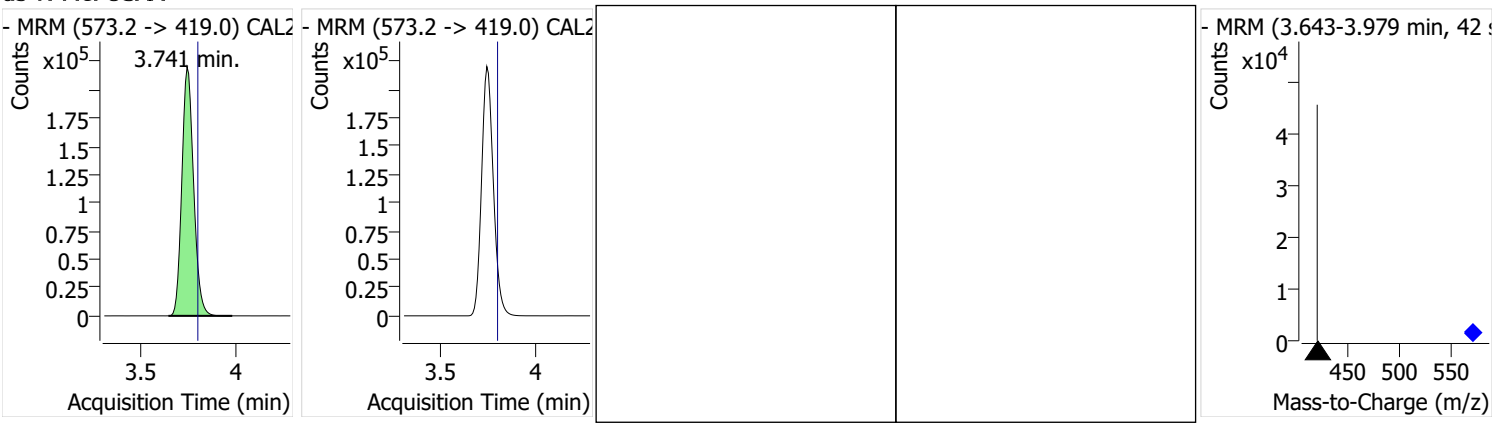
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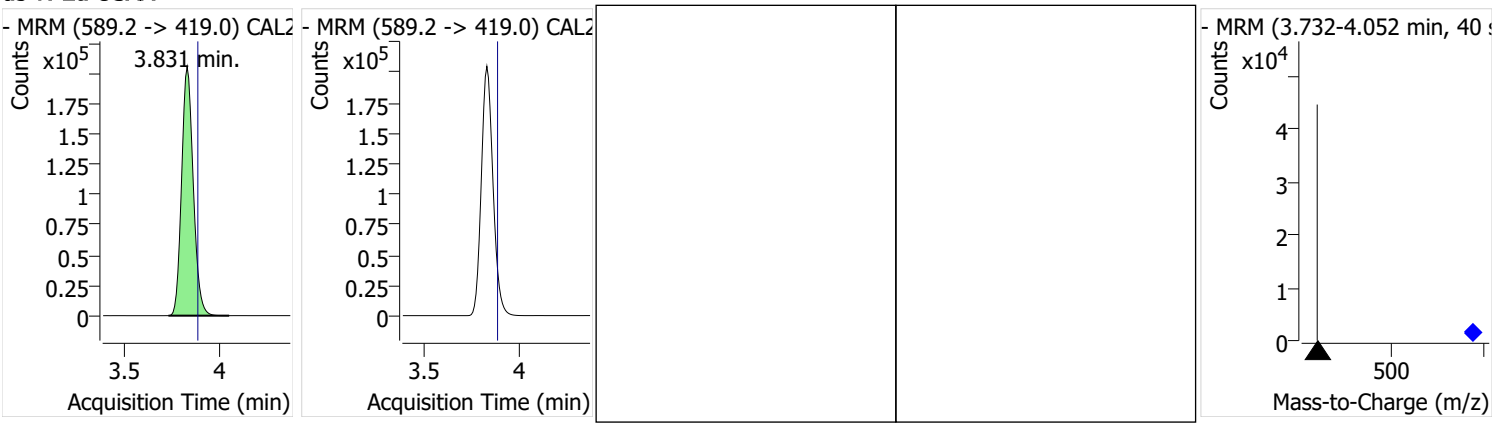
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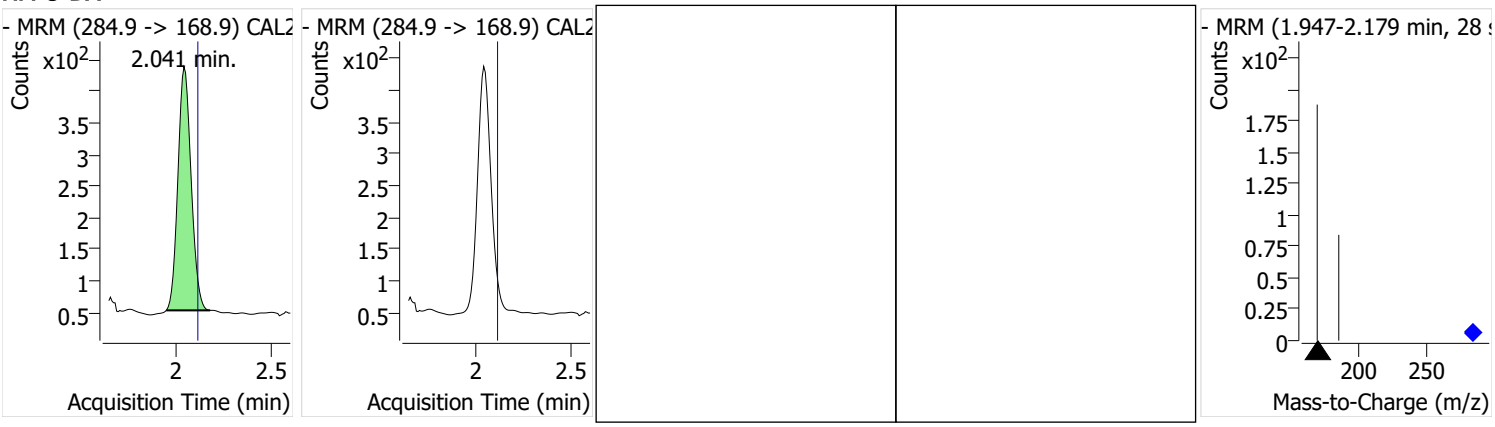
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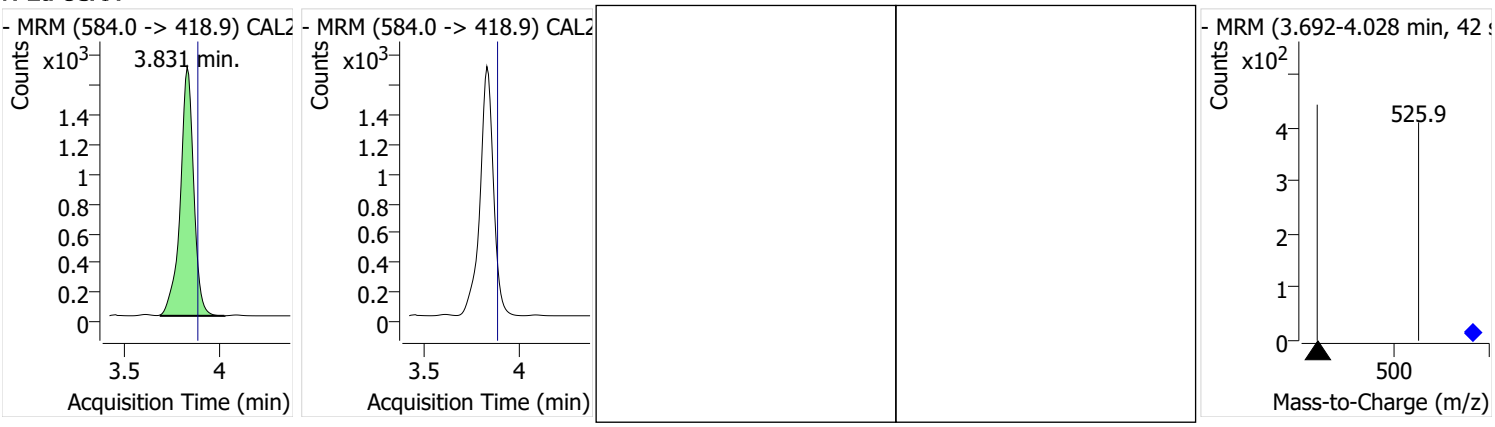
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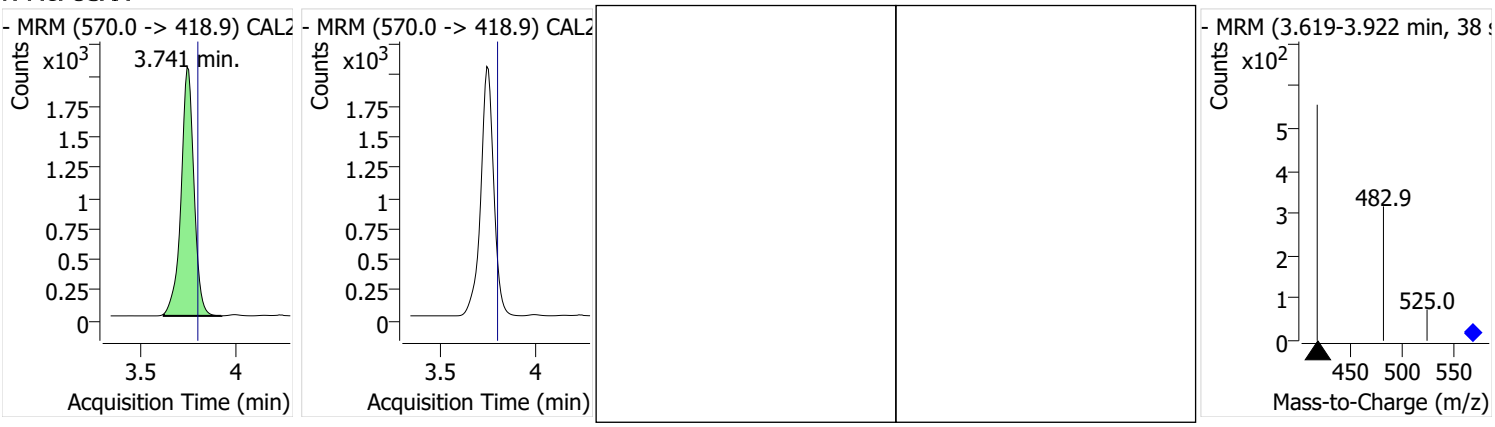
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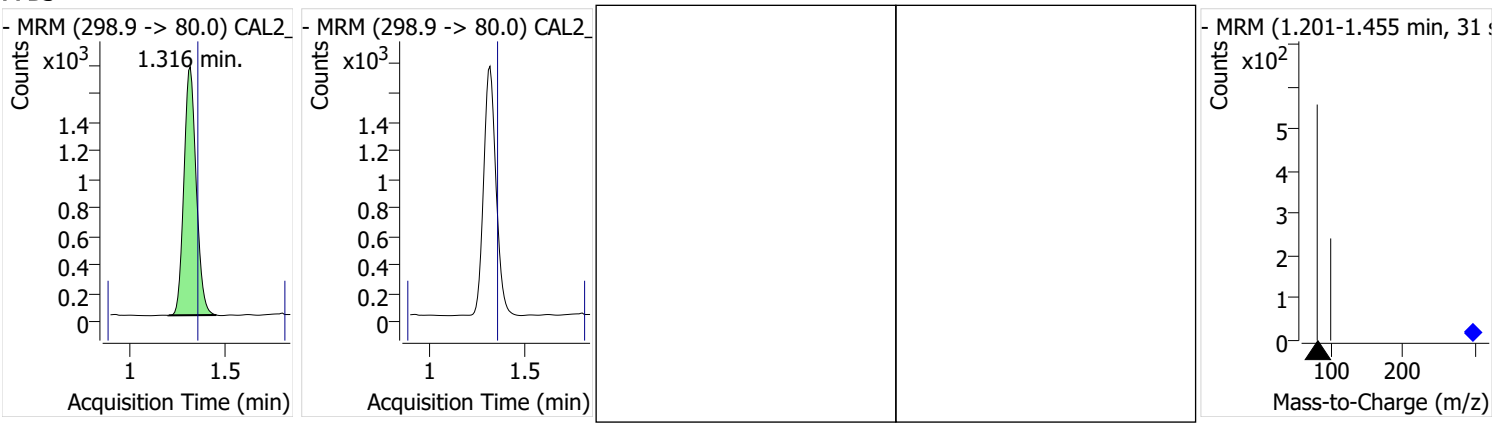
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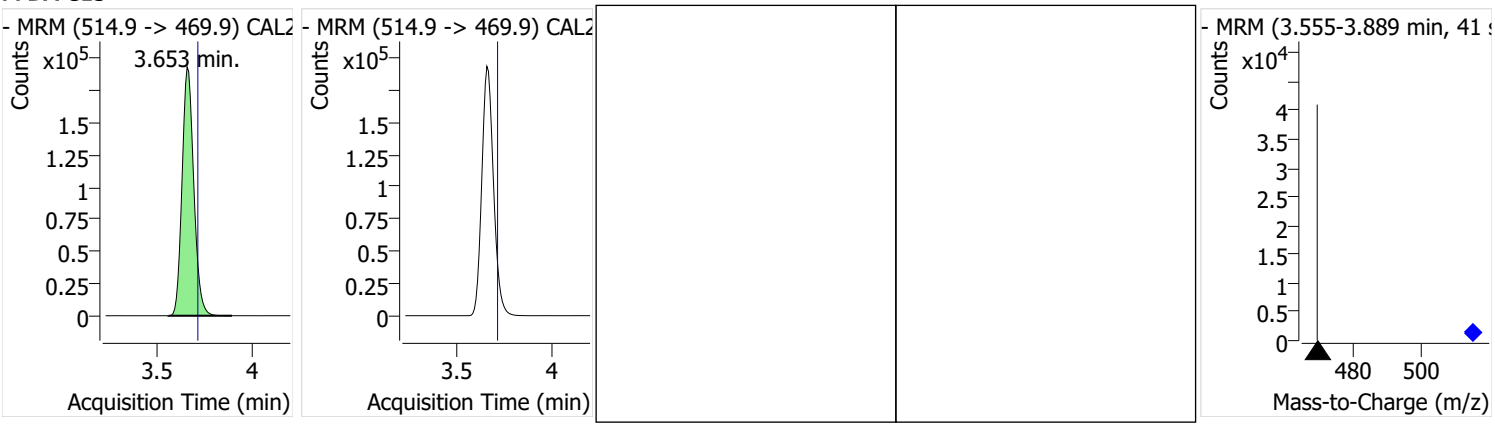
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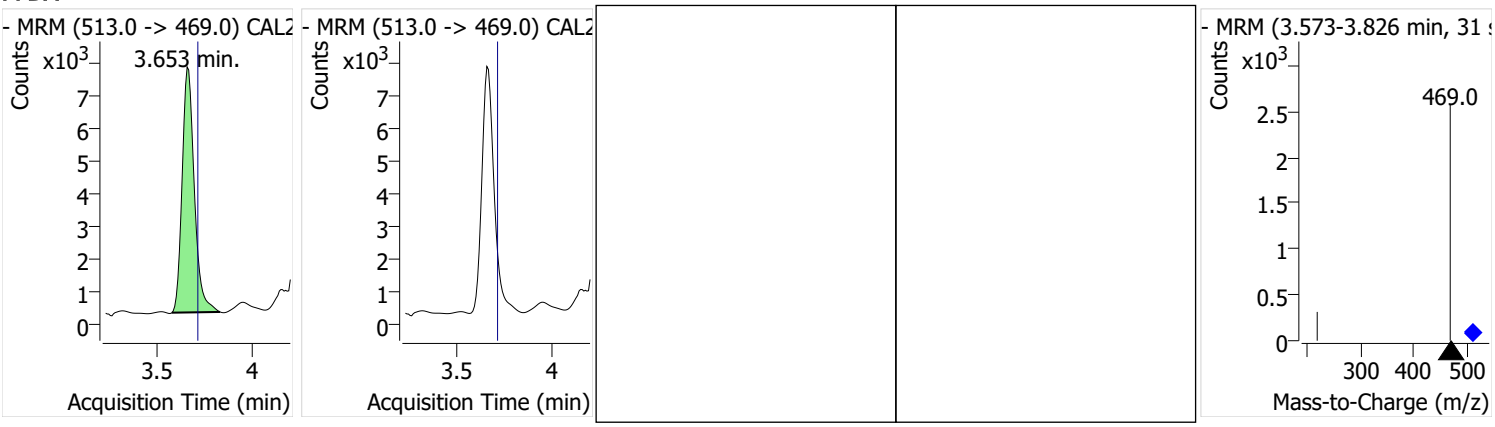
PFBS



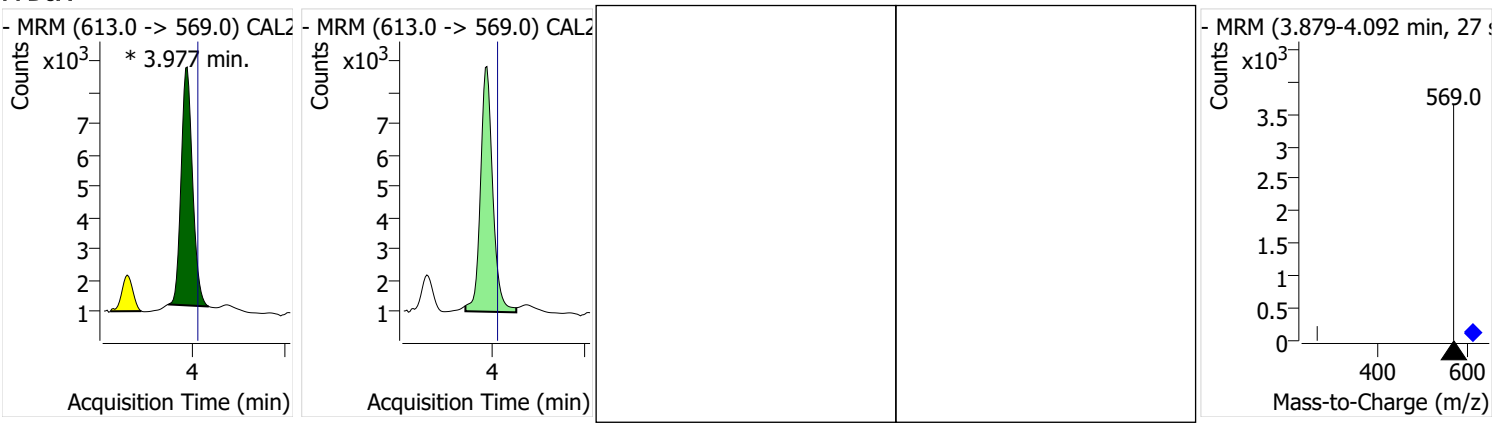
PFDA C13



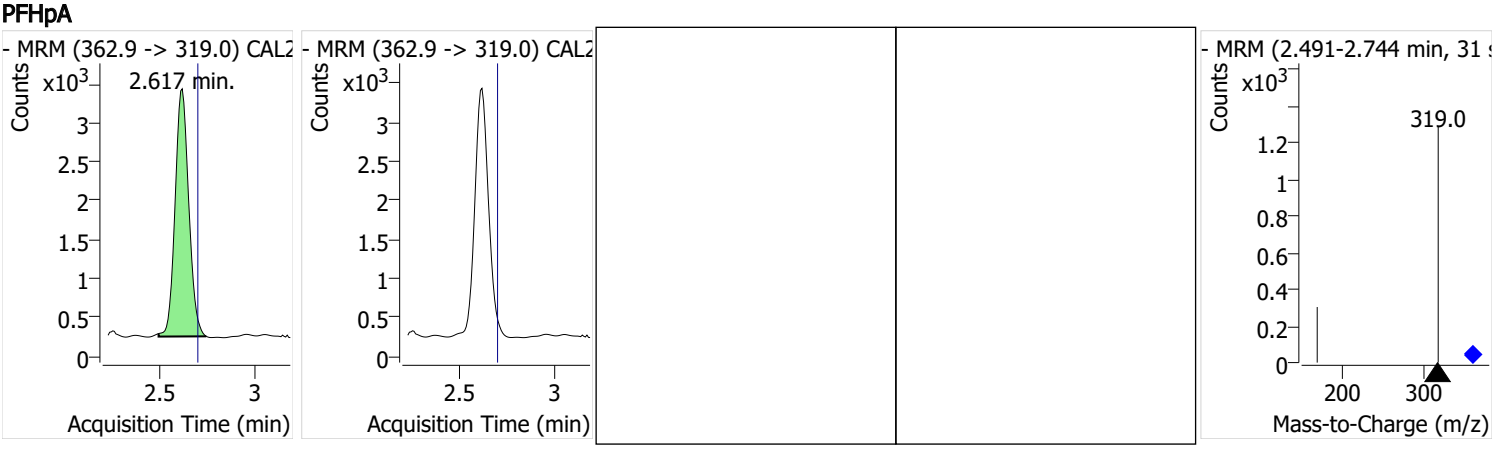
PFDA



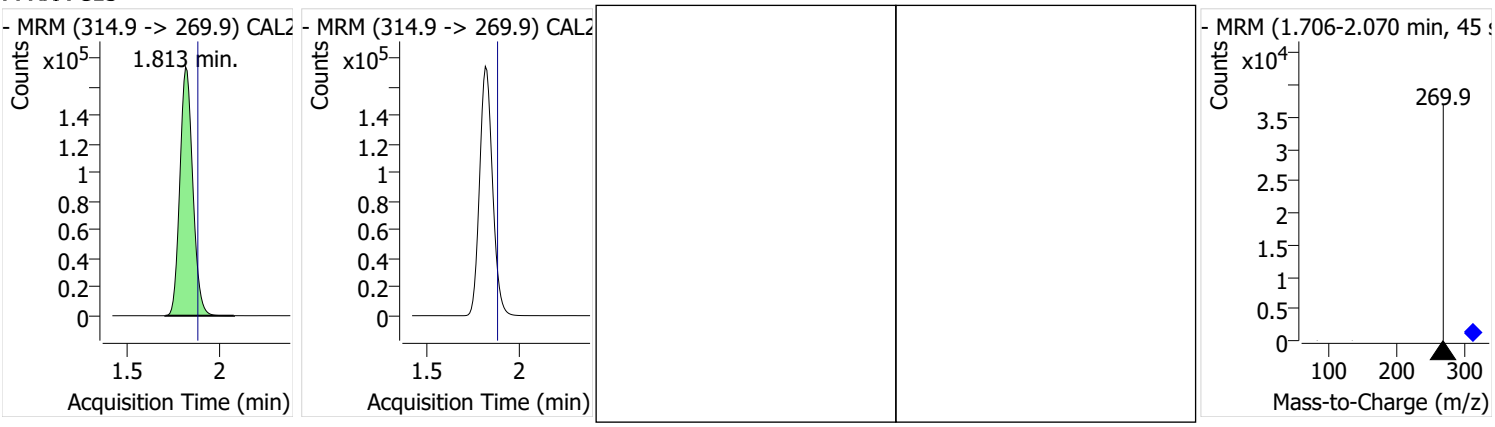
PFDoA



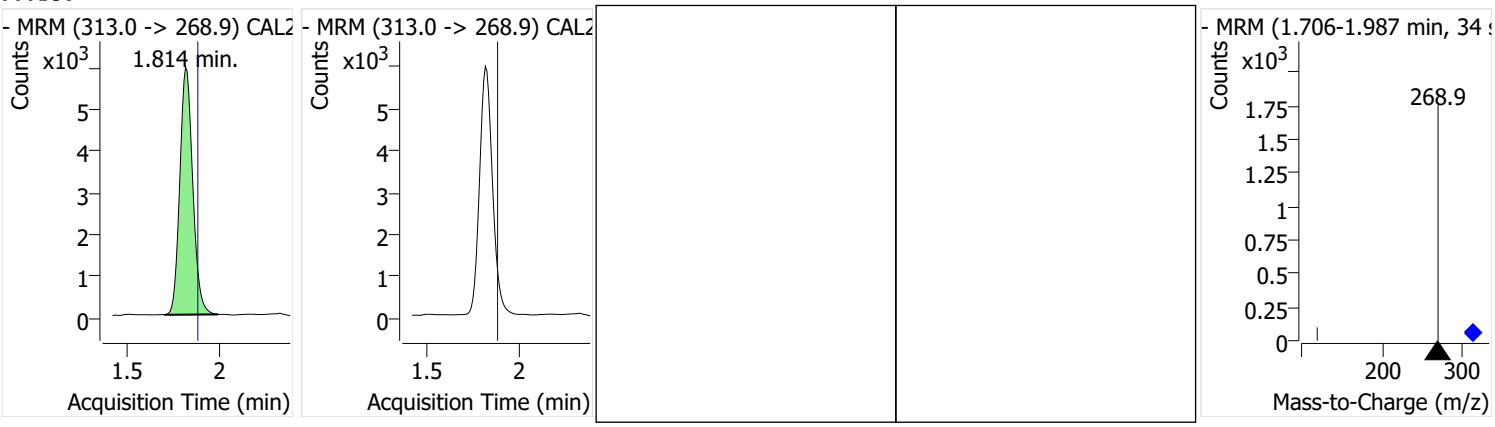
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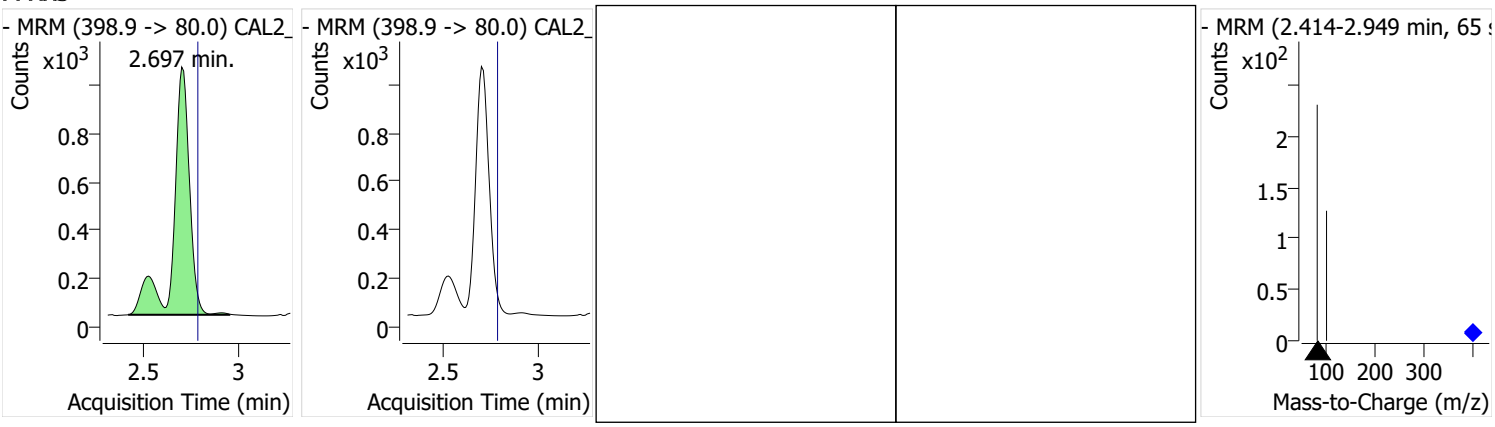
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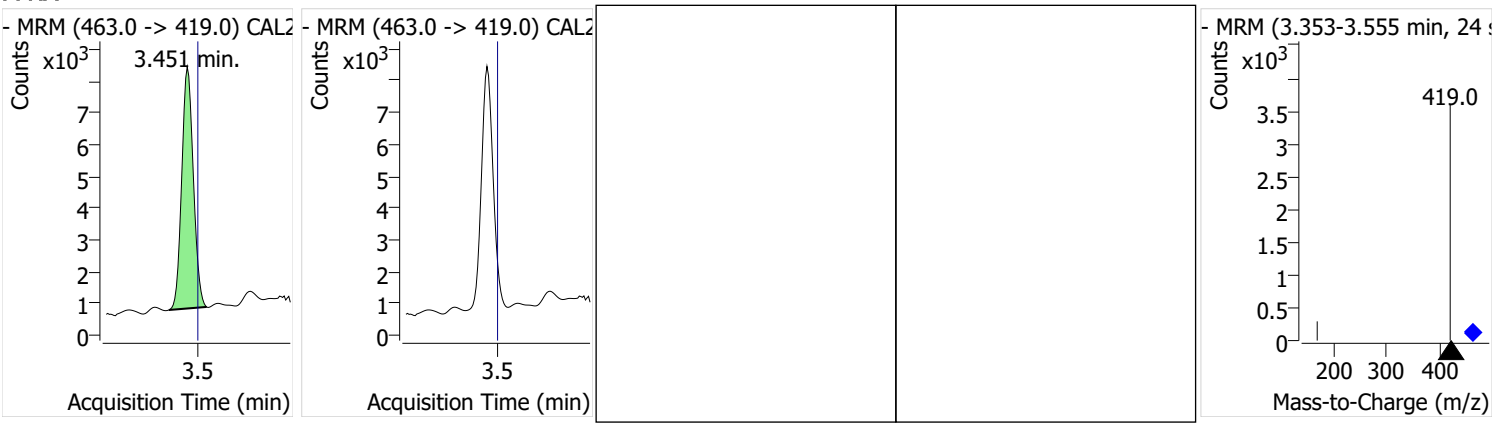
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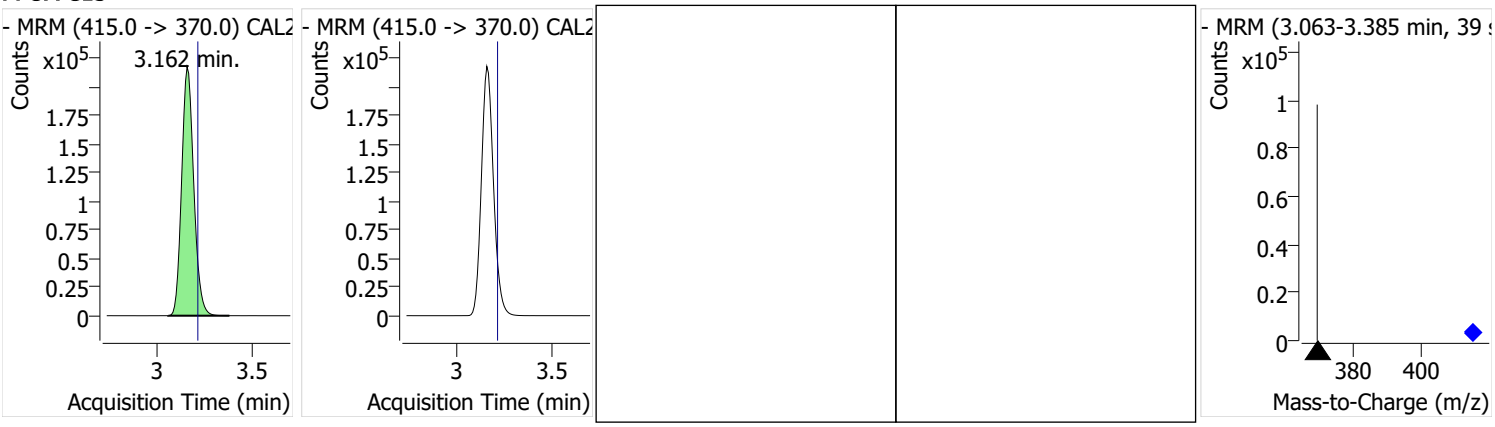
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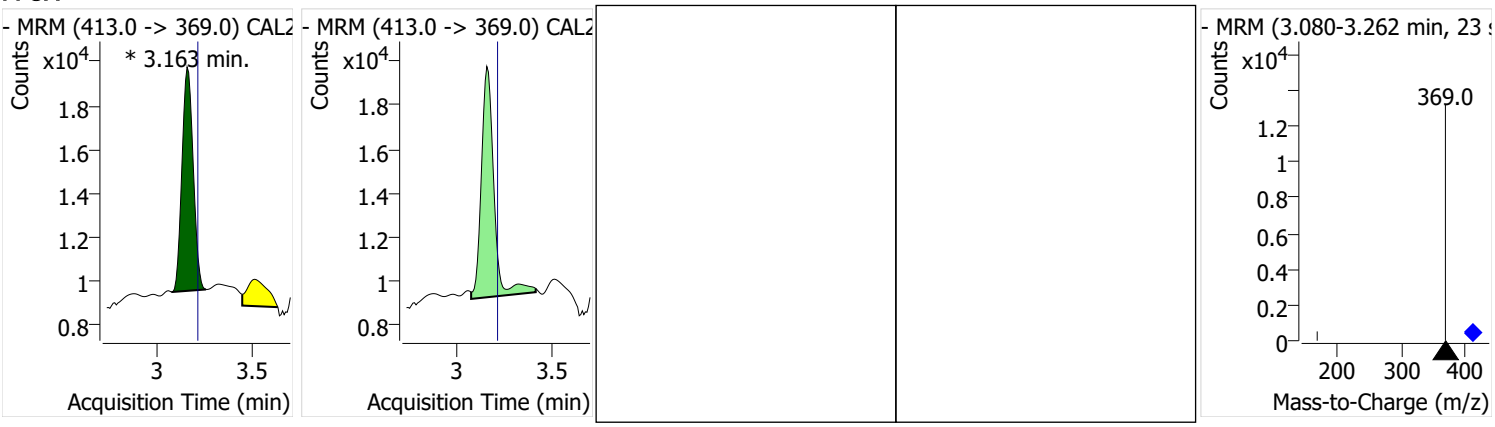
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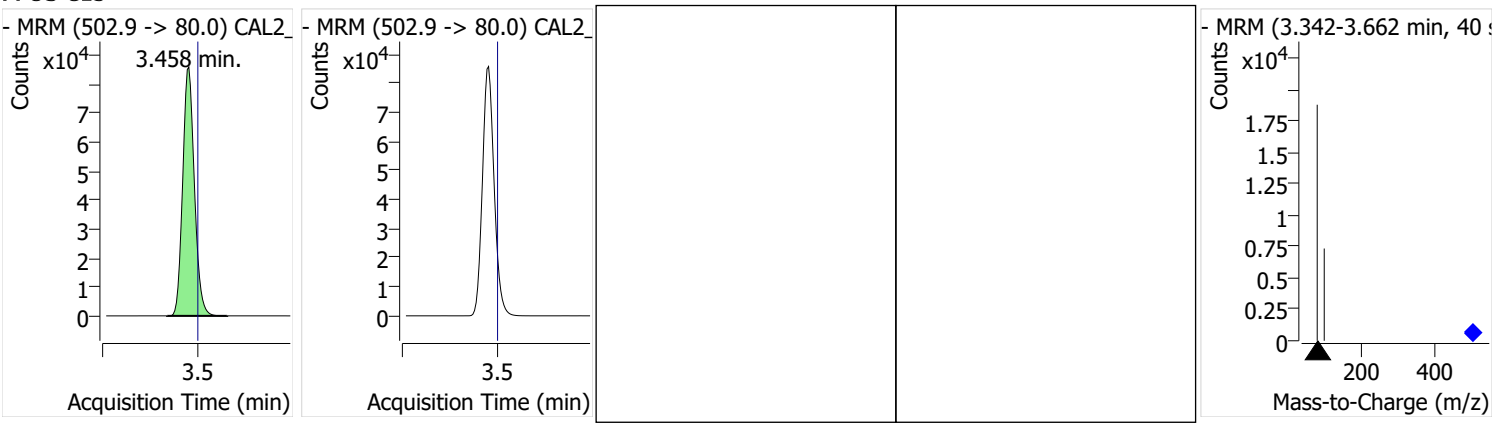
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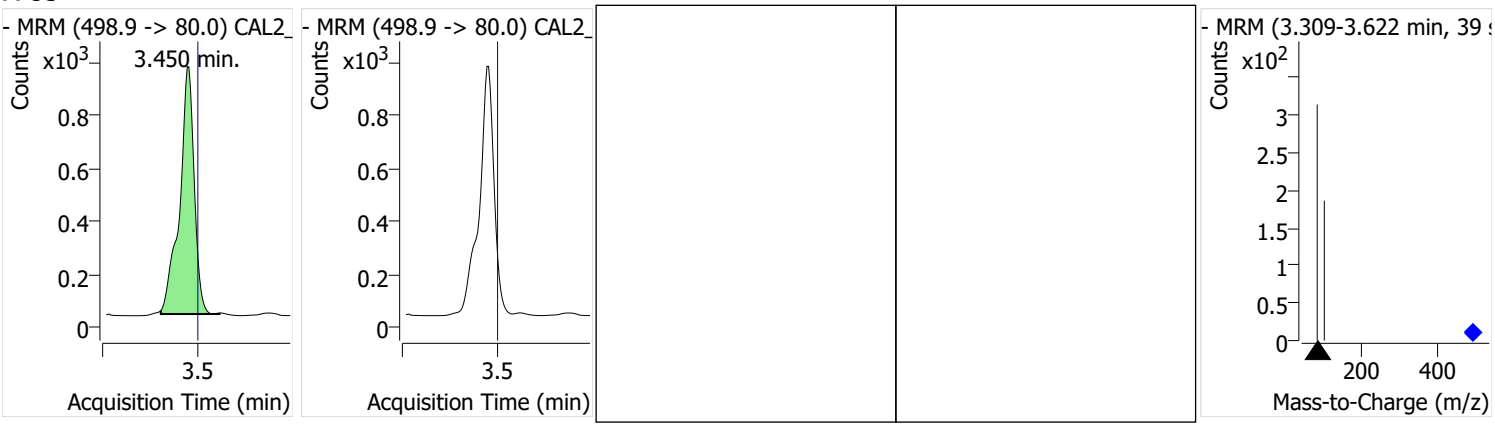
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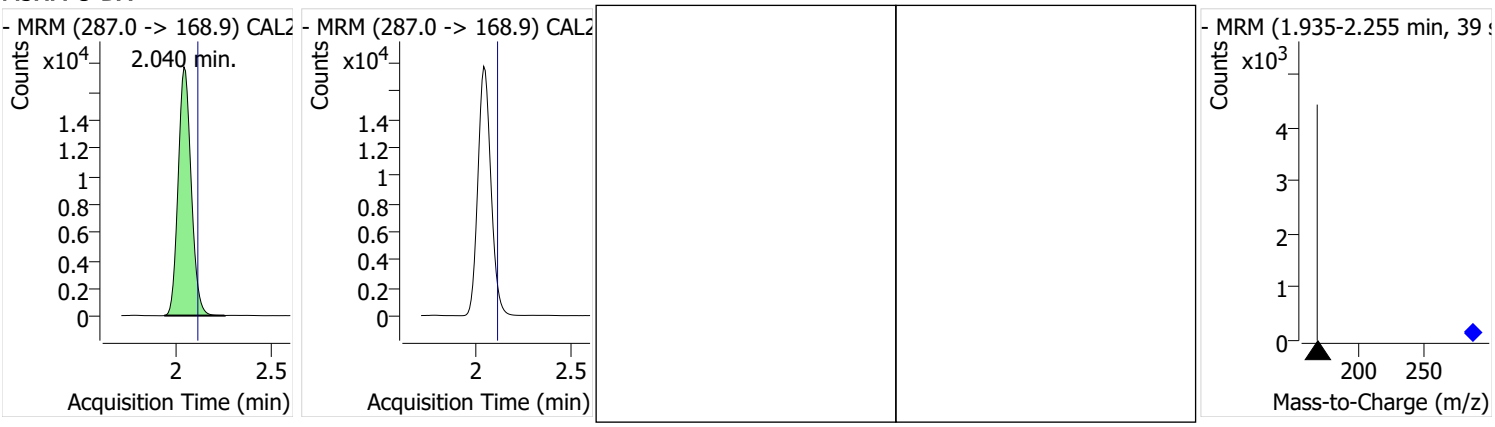
PFOS C13



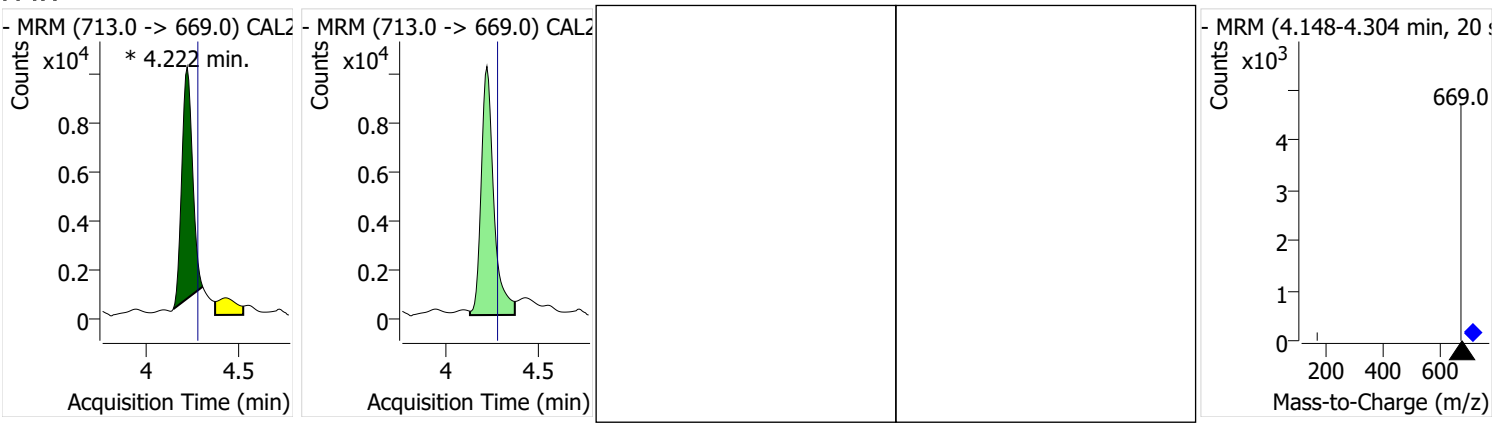
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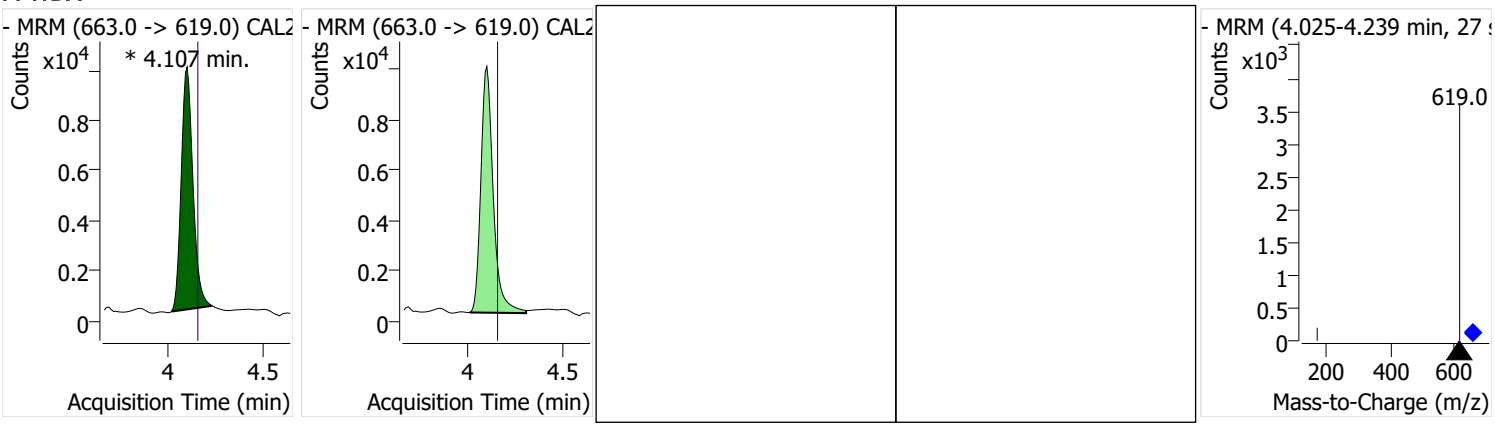
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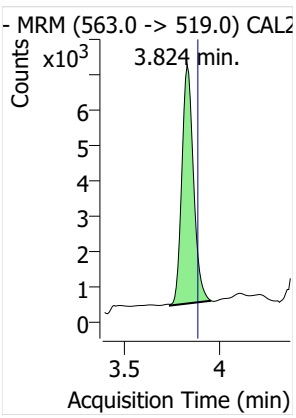
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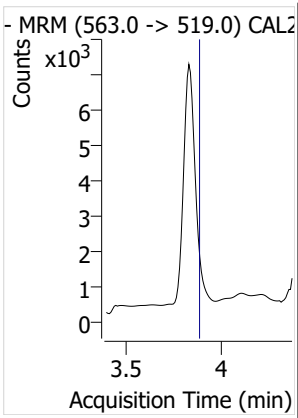


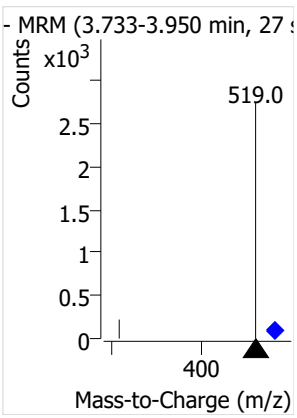
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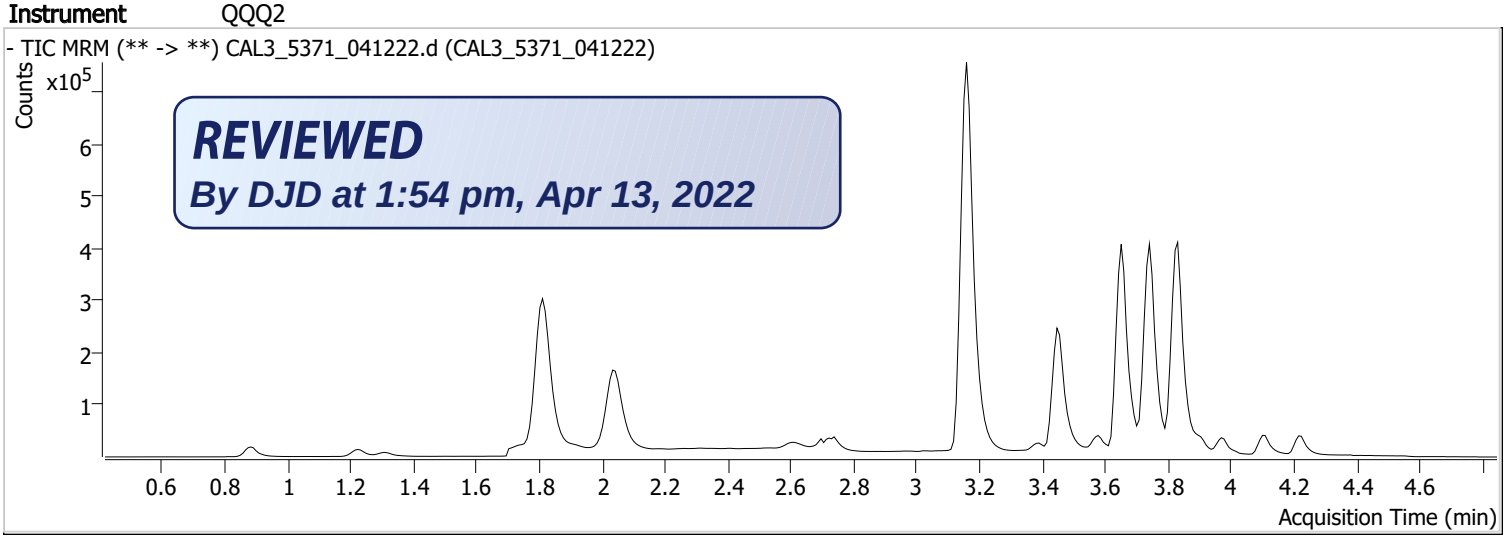
PFUnA


- MRM (563.0 -> 519.0) CAL2
Counts
x10^3
3.824 min.
6
5
4
3
2
1
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL2
Counts
x10^3
6
5
4
3
2
1
0
3.5
4
Acquisition Time (min)

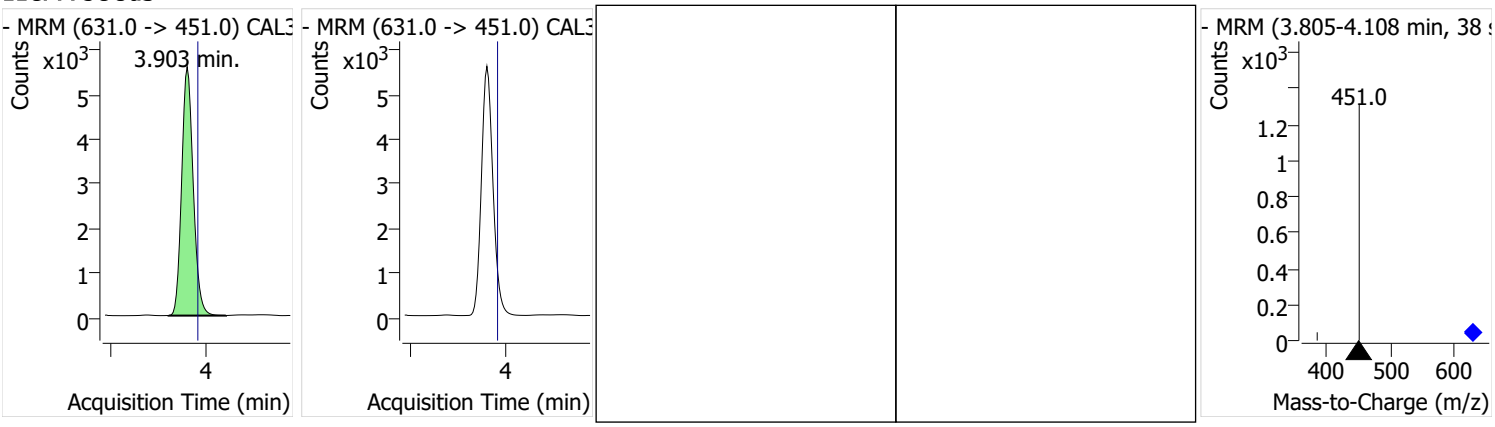

- MRM (3.733-3.950 min, 27
Counts
x10^3
519.0
2.5
2
1.5
1
0.5
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
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Acq. Time	4/12/2022 3:40 PM	**Data File**	CAL3_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL3_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203534	**Processing method**	5371_041222.m
Instrument	QQQ2		

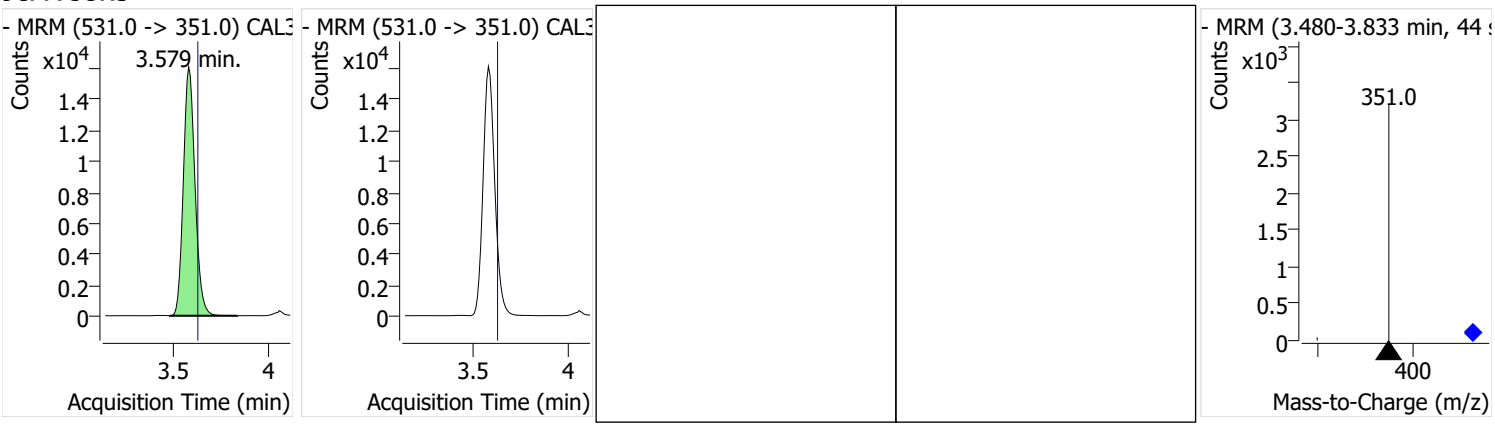


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	23628	PFOS C13	3.458	391710	788.8778	pg/ml			
9Cl-PF3ONS	3.579	68236	PFOS C13	3.458	391710	804.0006	pg/ml			
ADONA	2.733	114933	PFOA C13	3.162	1028724	811.4758	pg/ml			
d5-N-EtFOSAA	3.831	977578	d3-N-MeFOSAA	3.741	1004108	42057.3360	pg/ml			
HFPO-DA	2.041	4196	PFOA C13	3.162	1028724	877.3791	pg/ml			
N-EtFOSAA	3.831	20542	d3-N-MeFOSAA	3.741	1004108	948.1452	pg/ml			
N-MeFOSAA	3.741	21464	d3-N-MeFOSAA	3.741	1004108	778.4492	pg/ml			
PFBS	1.308	17421	PFOS C13	3.458	391710	702.4122	pg/ml			
PFDA C13	3.653	919824	PFOA C13	3.162	1028724	10371.6096	pg/ml			
PFDA	3.653	67918	PFOA C13	3.162	1028724	807.4055	pg/ml			
PFDoA	3.977	70390	PFOA C13	3.162	1028724	843.4270	pg/ml	✔	3	DRL 04/13/22
PFHpA	2.608	35710	PFOA C13	3.162	1028724	813.4302	pg/ml			
PFHxA C13	1.813	944880	PFOA C13	3.162	1028724	10037.8508	pg/ml			
PFHxA	1.814	59788	PFOA C13	3.162	1028724	827.2138	pg/ml			
PFHxS	2.697	12731	PFOS C13	3.458	391710	767.0531	pg/ml			
PFNA	3.451	73032	PFOA C13	3.162	1028724	889.8987	pg/ml			
PFOA	3.163	95516	PFOA C13	3.162	1028724	915.5113	pg/ml			
PFOS	3.450	10548	PFOS C13	3.458	391710	768.8972	pg/ml			
M3HFPO-DA	2.040	96429	PFOA C13	3.162	1028724	10072.3623	pg/ml			
PFTA	4.222	85162	PFOA C13	3.162	1028724	818.4592	pg/ml	✔	3	DRL 04/13/22
PFTrDA	4.107	94102	PFOA C13	3.162	1028724	870.5873	pg/ml			
PFUnA	3.824	67914	PFOA C13	3.162	1028724	879.2544	pg/ml			

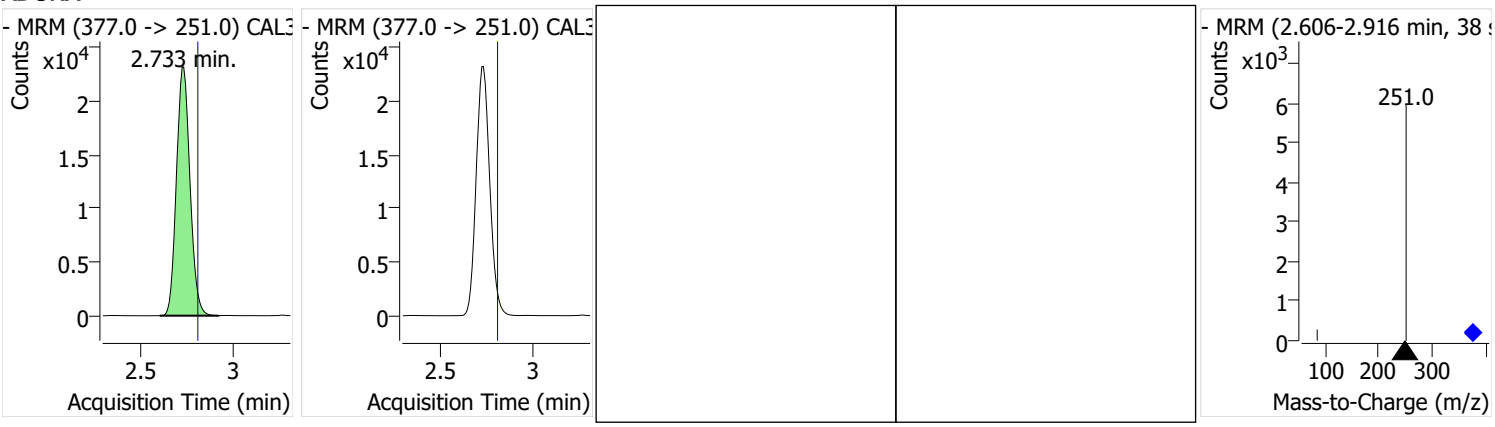
11Cl-PF3OUdS



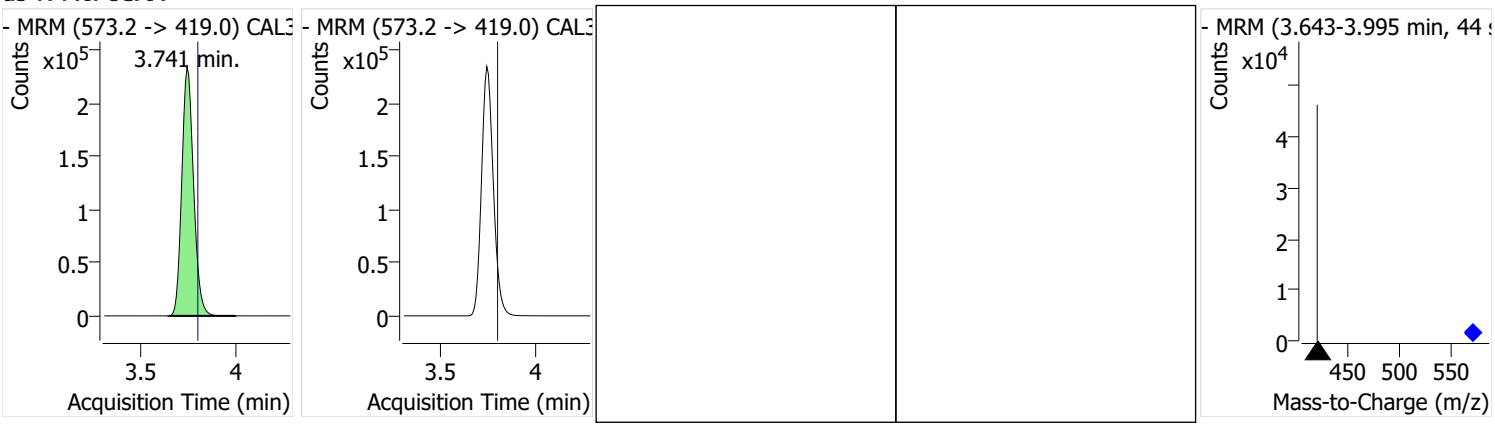
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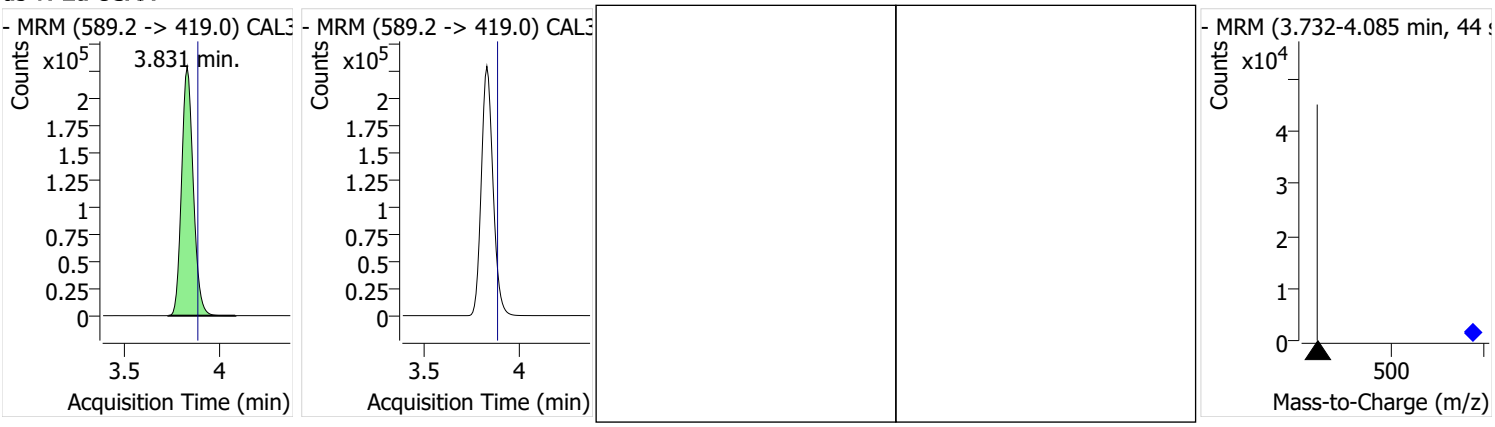
ADONA



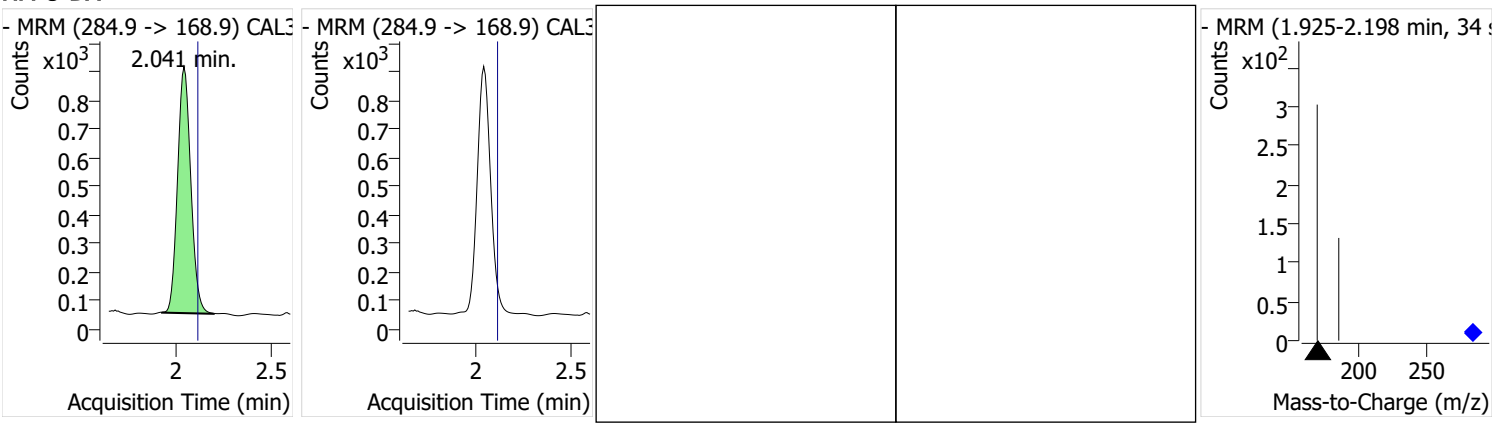
d3-N-MeFOSAA



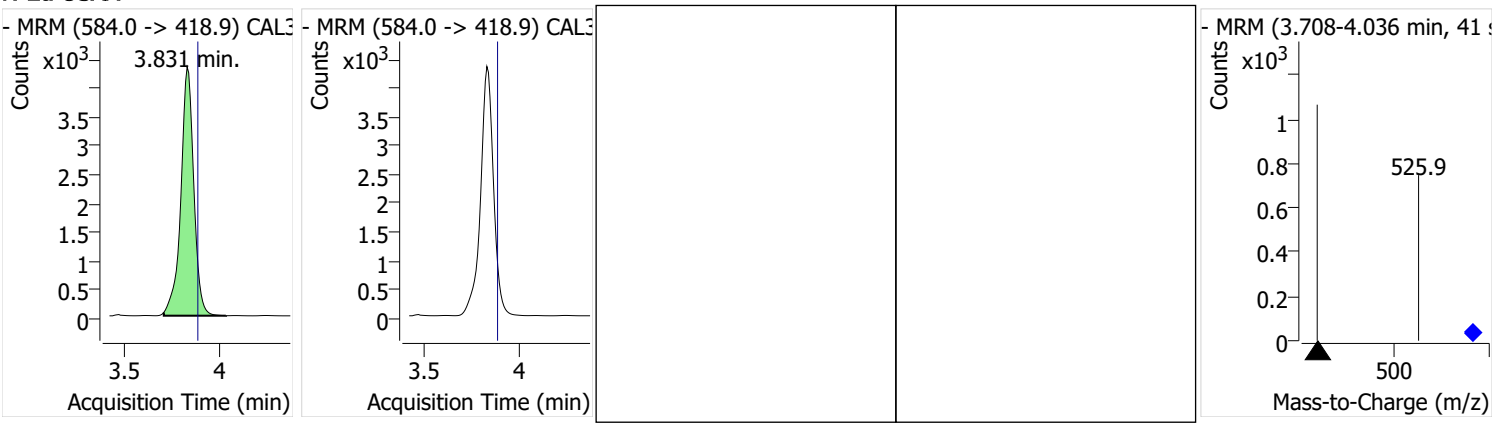
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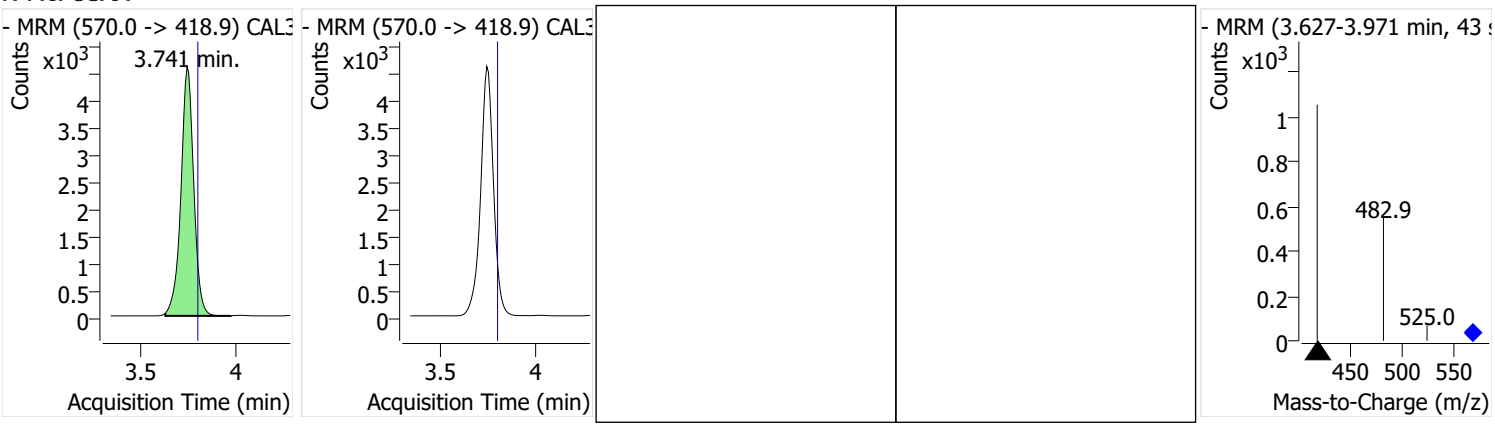
HFPO-DA



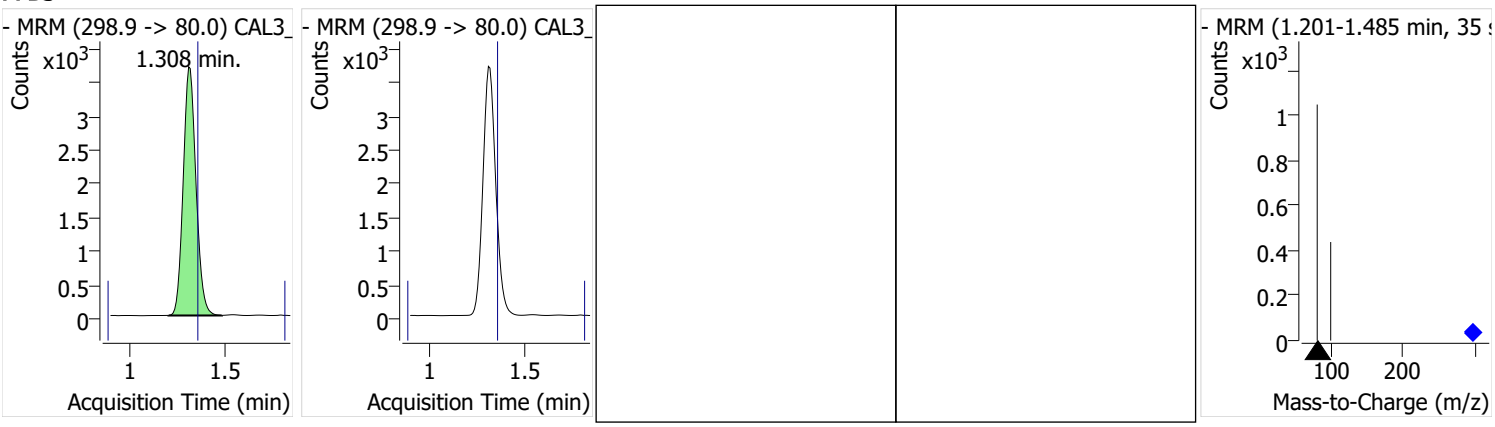
N-EtFOSAA



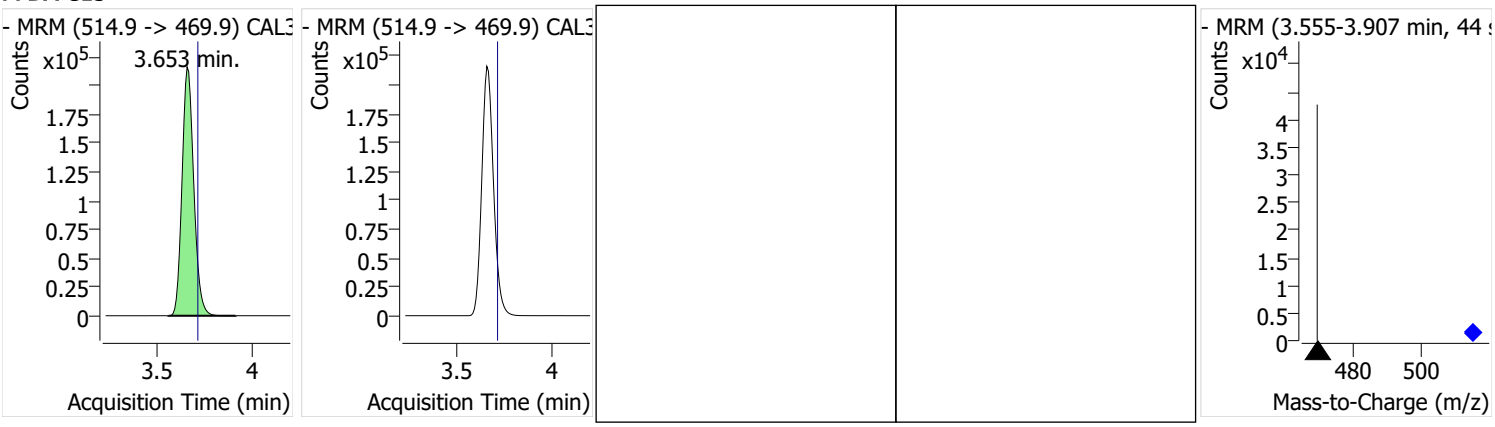
N-MeFOSAA



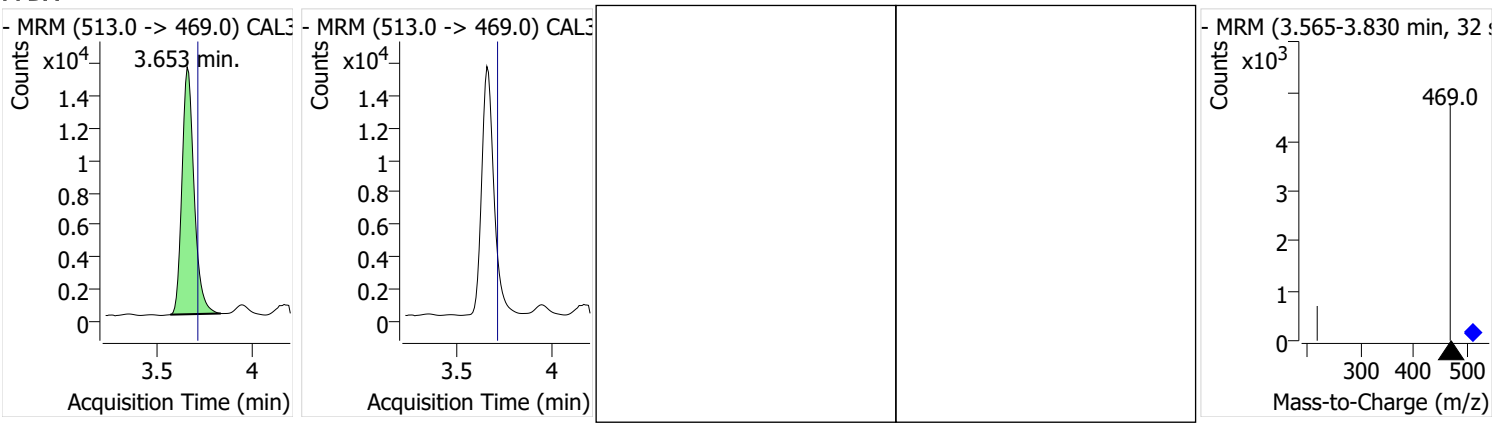
PFBS



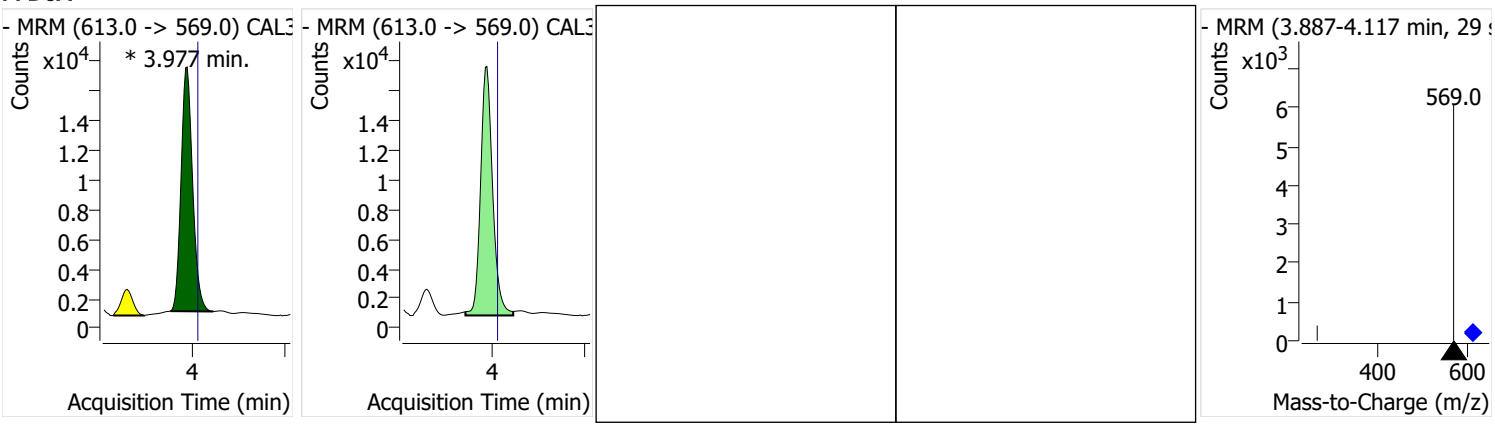
PFDA C13



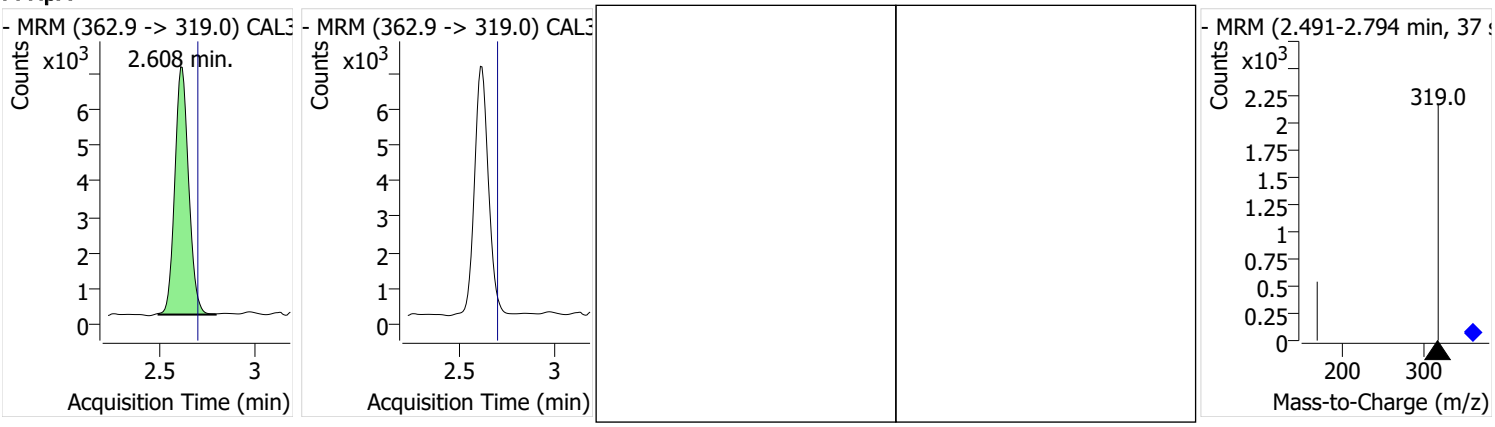
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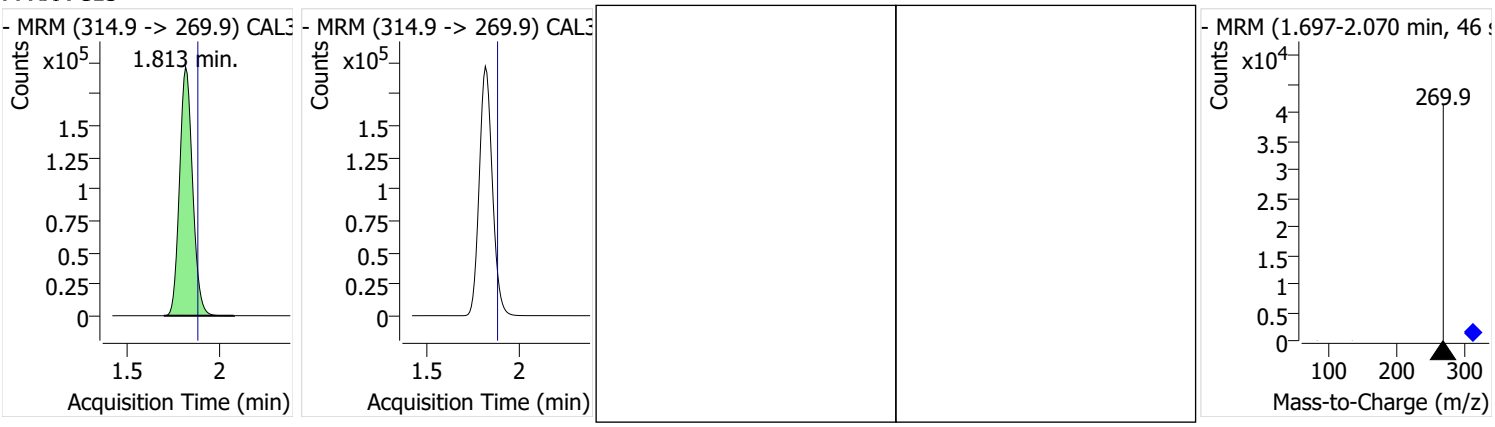
PFDoA



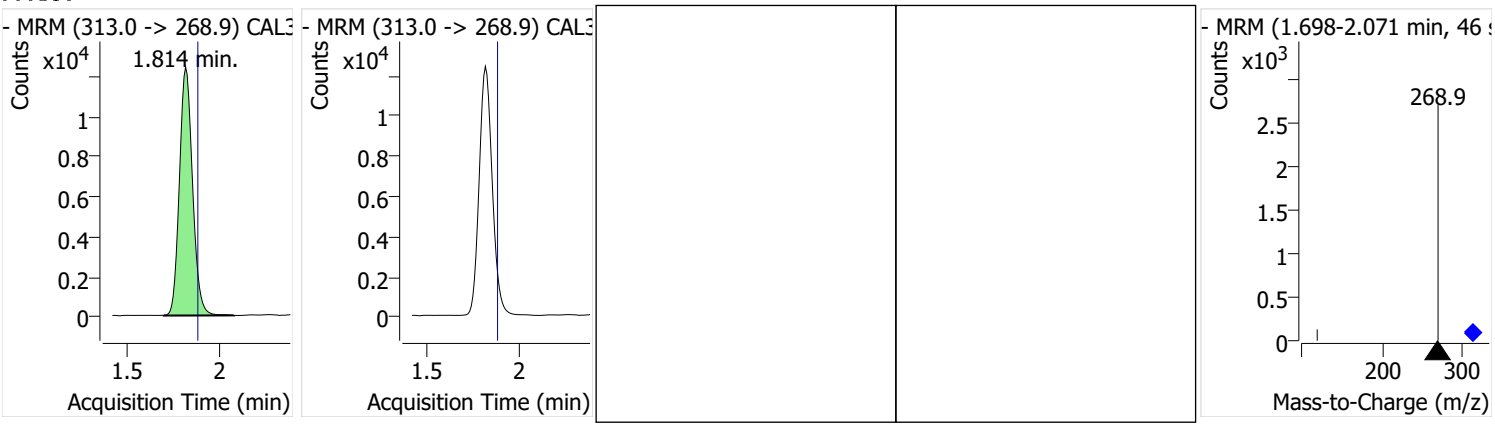
PFHpA



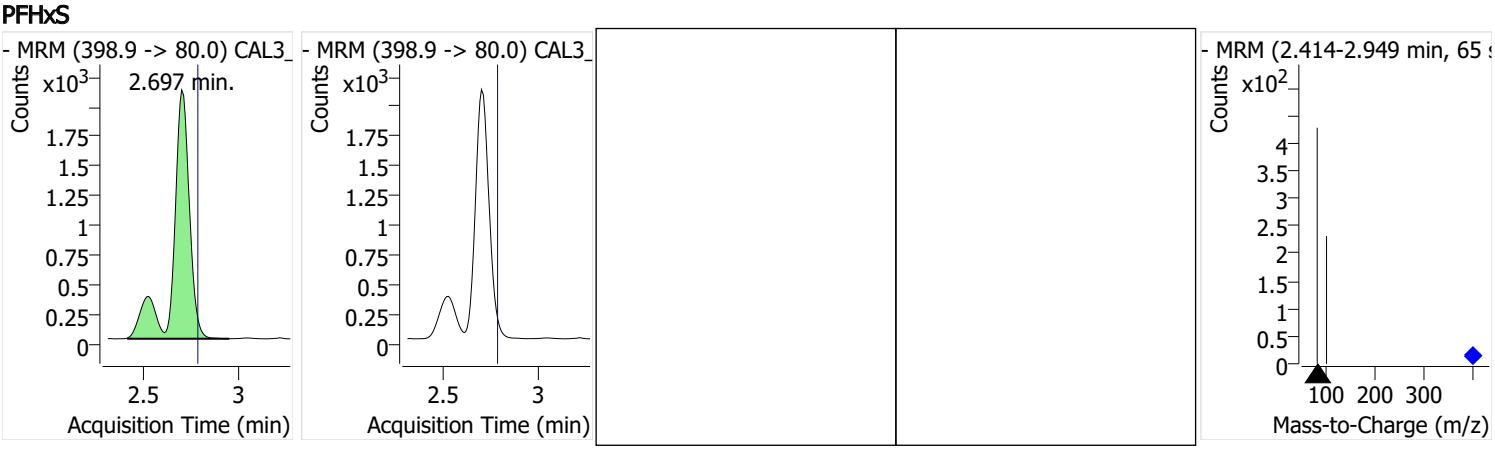
PFHxA C13



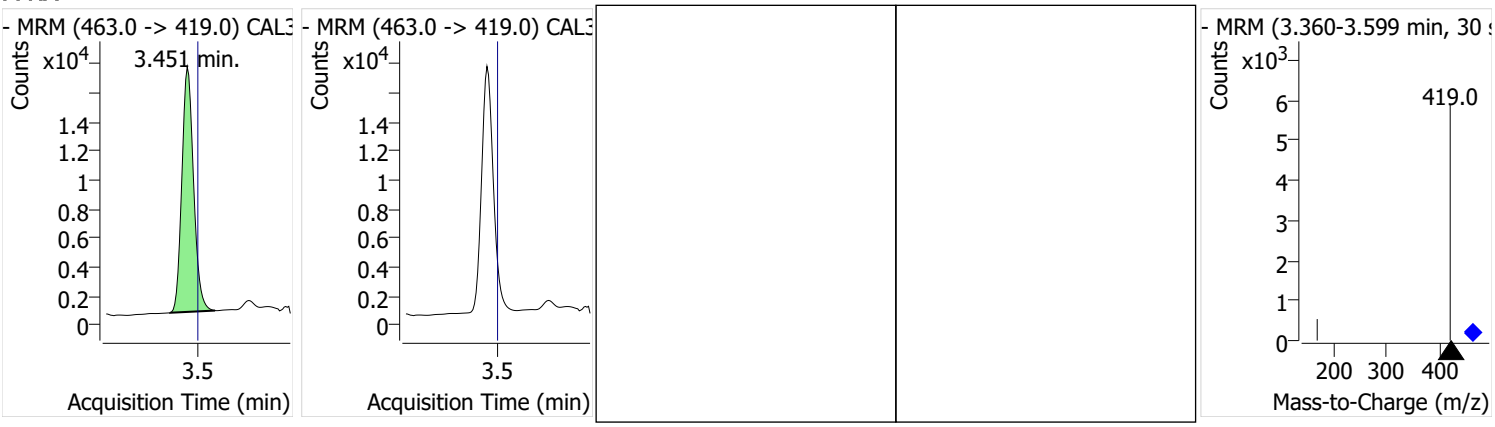
PFHxA



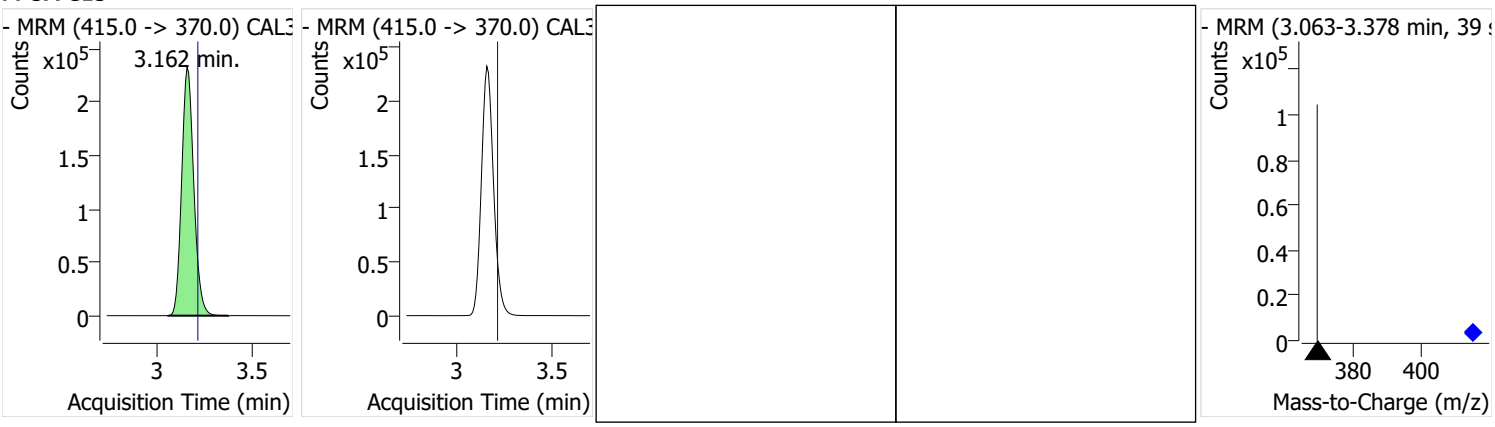
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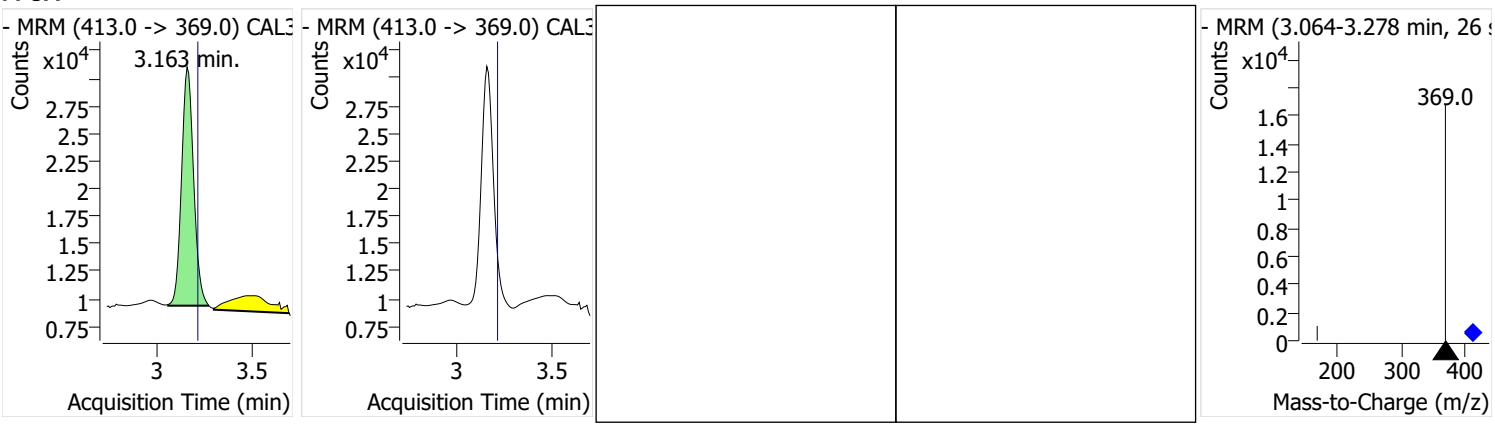
PFNA



PFOA C13



PFOA



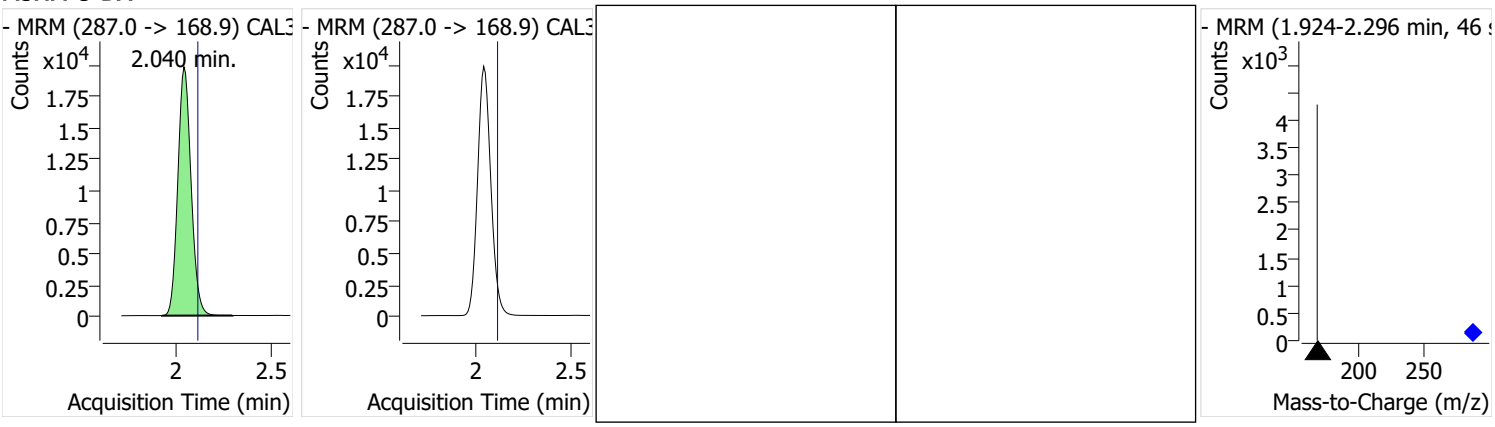
PFOS C13



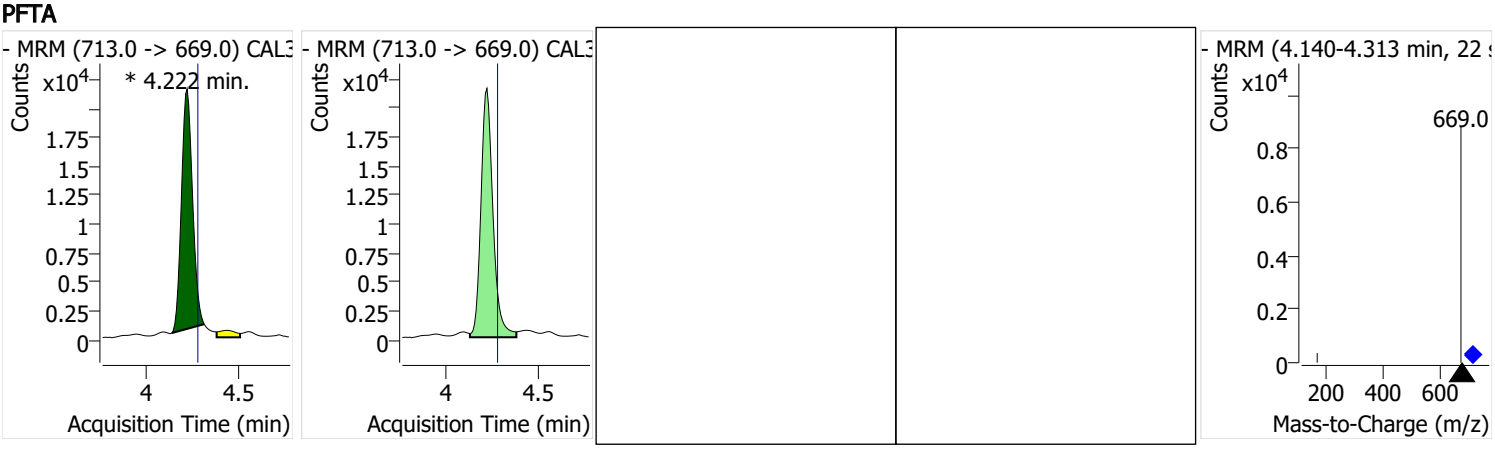
PFOS



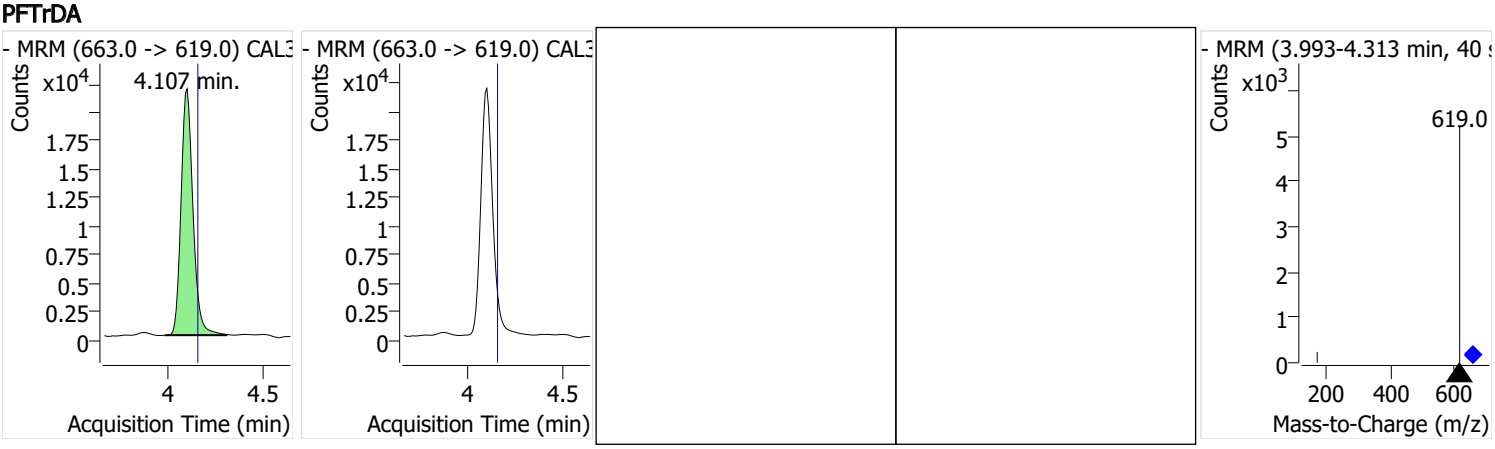
M3HFPO-DA



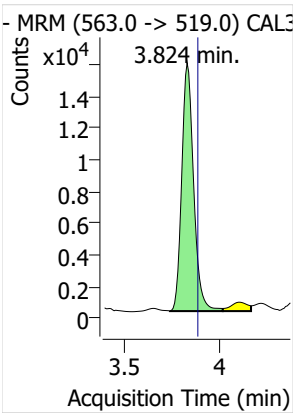
PFTA

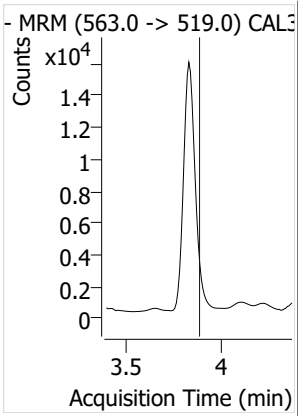


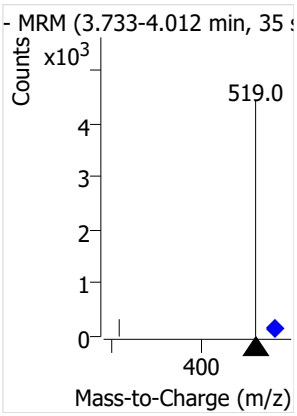
PFTrDA



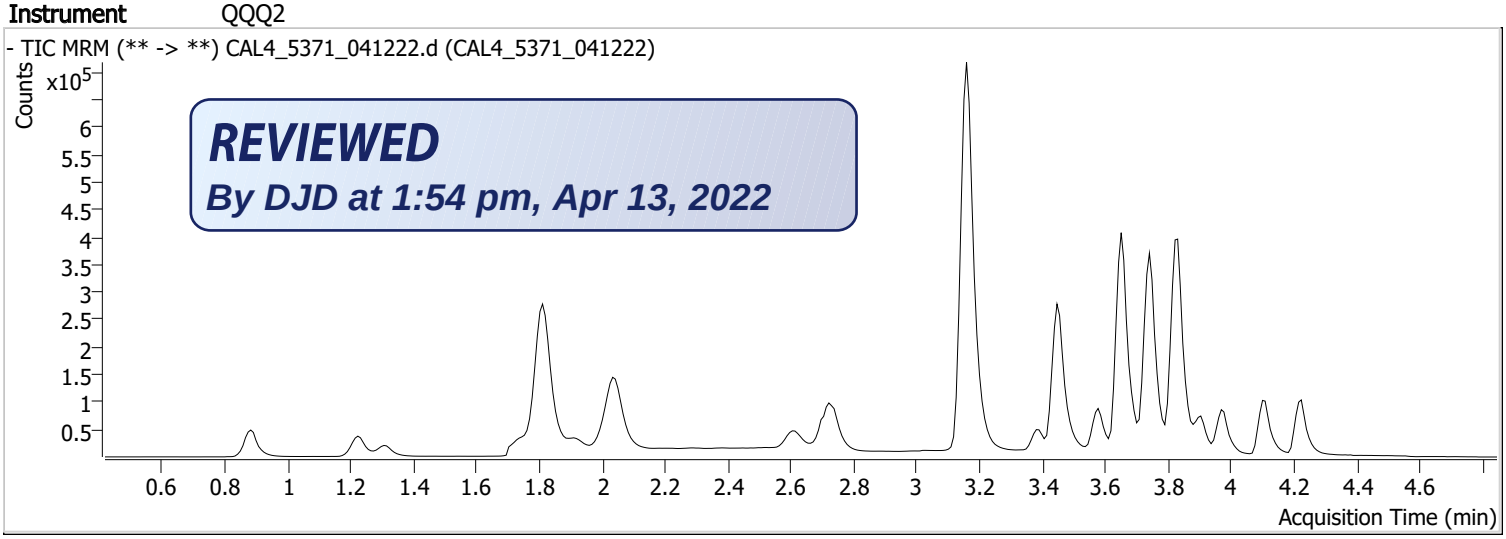
PFUnA


- MRM (563.0 -> 519.0) CAL3
Counts
x10^4
3.824 min.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL3
Counts
x10^4
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3.5
4
Acquisition Time (min)

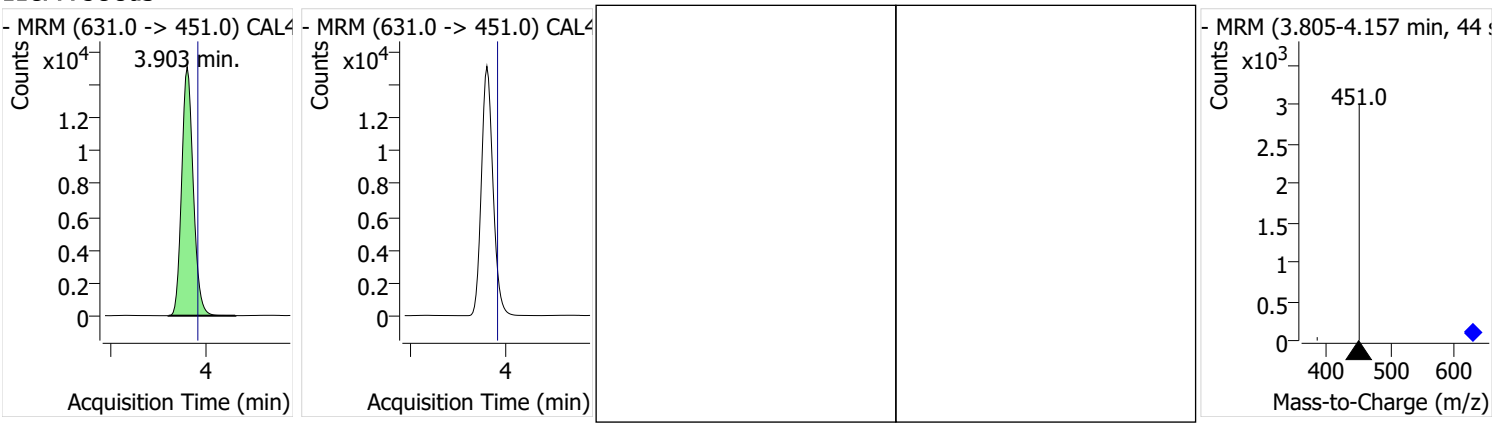

- MRM (3.733-4.012 min, 35
Counts
x10^3
519.0
4
3
2
1
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 3:47 PM	**Data File**	CAL4_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL4_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203535	**Processing method**	5371_041222.m
Instrument	QQQ2		

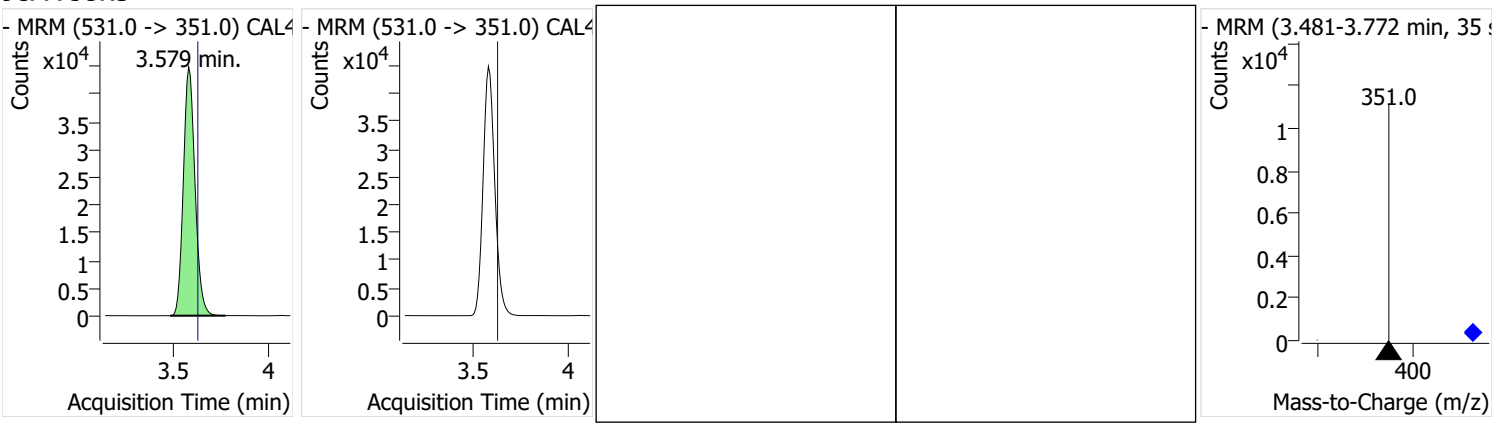


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	63712	PFOS C13	3.458	334973	2478.5375	pg/ml			
9Cl-PF3ONS	3.579	189913	PFOS C13	3.458	334973	2600.2126	pg/ml			
ADONA	2.733	315747	PFOA C13	3.162	874908	2608.0932	pg/ml			
d5-N-EtFOSAA	3.831	780628	d3-N-MeFOSAA	3.741	851627	39597.2953	pg/ml			
HFPO-DA	2.041	11177	PFOA C13	3.162	874908	2718.7970	pg/ml			
N-EtFOSAA	3.831	52638	d3-N-MeFOSAA	3.741	851627	2864.6049	pg/ml			
N-MeFOSAA	3.741	58438	d3-N-MeFOSAA	3.741	851627	2498.9175	pg/ml			
PFBS	1.308	47477	PFOS C13	3.458	334973	2233.0575	pg/ml			
PFDA C13	3.653	751965	PFOA C13	3.162	874908	9969.5458	pg/ml			
PFDA	3.653	185604	PFOA C13	3.162	874908	2601.2224	pg/ml			
PFDoA	3.977	190456	PFOA C13	3.162	874908	2677.2086	pg/ml			
PFHpA	2.617	95768	PFOA C13	3.162	874908	2557.8786	pg/ml			
PFHxA C13	1.813	772478	PFOA C13	3.162	874908	9649.0944	pg/ml			
PFHxA	1.814	164117	PFOA C13	3.162	874908	2662.9291	pg/ml			
PFHxS	2.697	35291	PFOS C13	3.458	334973	2471.7289	pg/ml			
PFNA	3.451	191446	PFOA C13	3.162	874908	2742.9120	pg/ml			
PFOA	3.163	248879	PFOA C13	3.162	874908	2797.5166	pg/ml			
PFOS	3.450	30753	PFOS C13	3.458	334973	2613.2569	pg/ml			
M3HFPO-DA	2.040	77585	PFOA C13	3.162	874908	9528.7685	pg/ml			
PFTA	4.222	249199	PFOA C13	3.162	874908	2803.5144	pg/ml			
PFTrDA	4.107	254618	PFOA C13	3.162	874908	2759.8139	pg/ml			
PFUnA	3.824	178713	PFOA C13	3.162	874908	2722.1724	pg/ml			

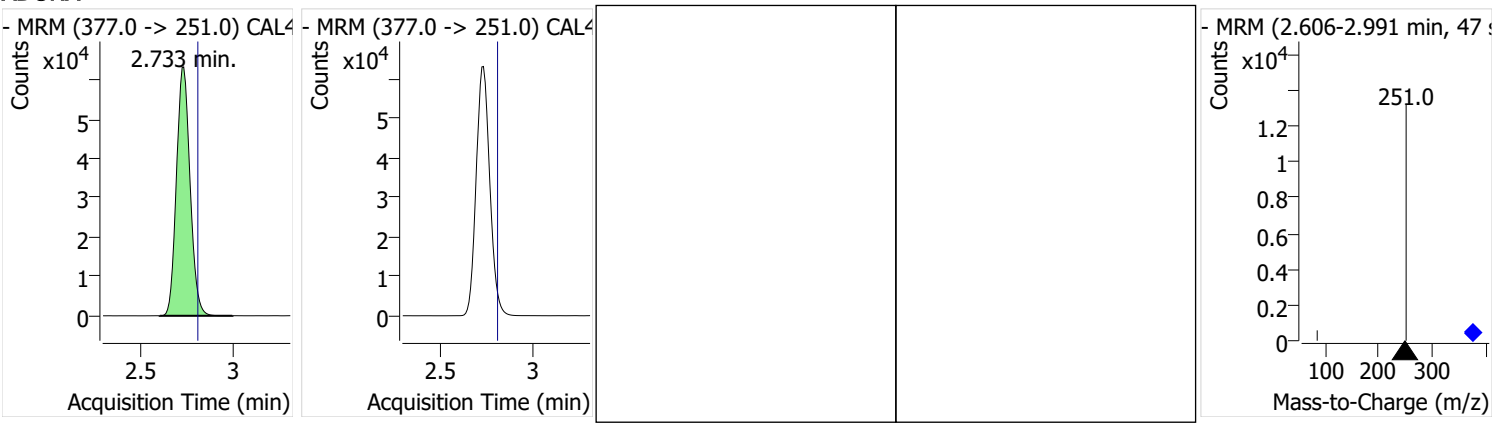
11Cl-PF3OUdS



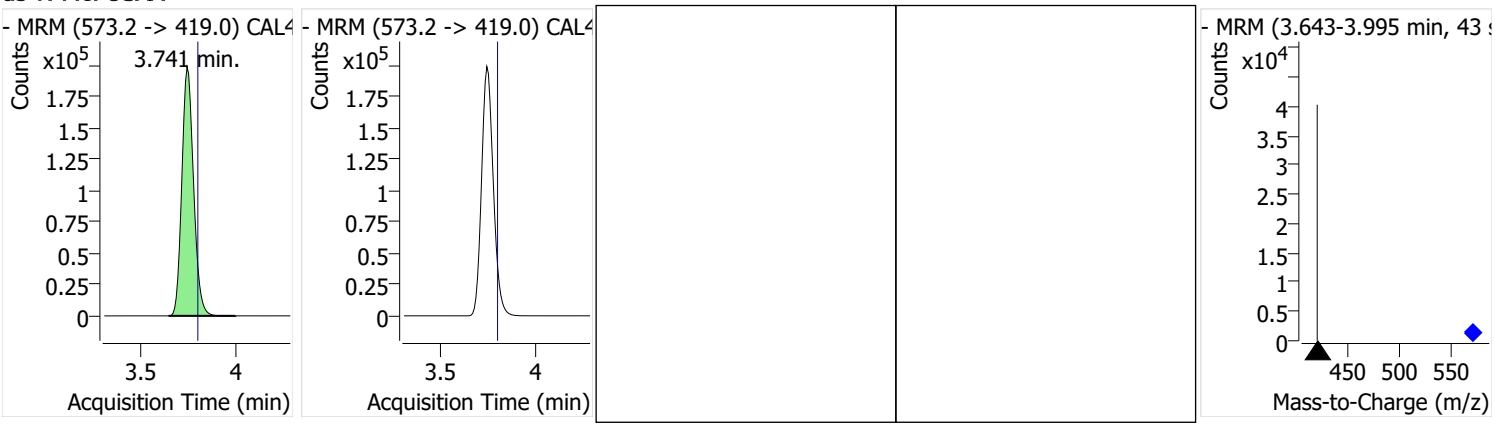
9Cl-PF3ONS



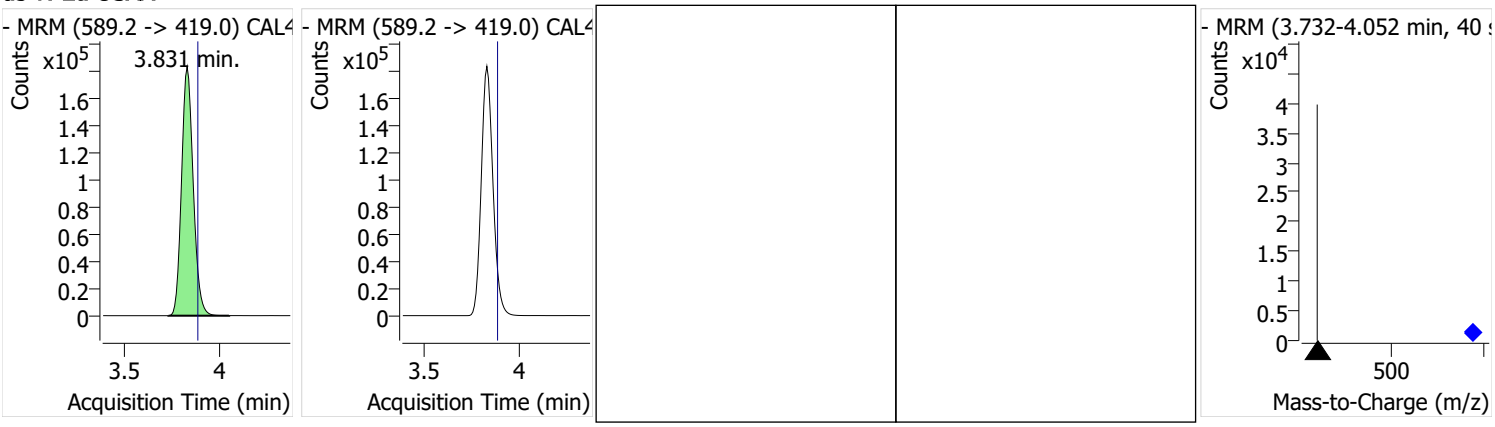
ADONA



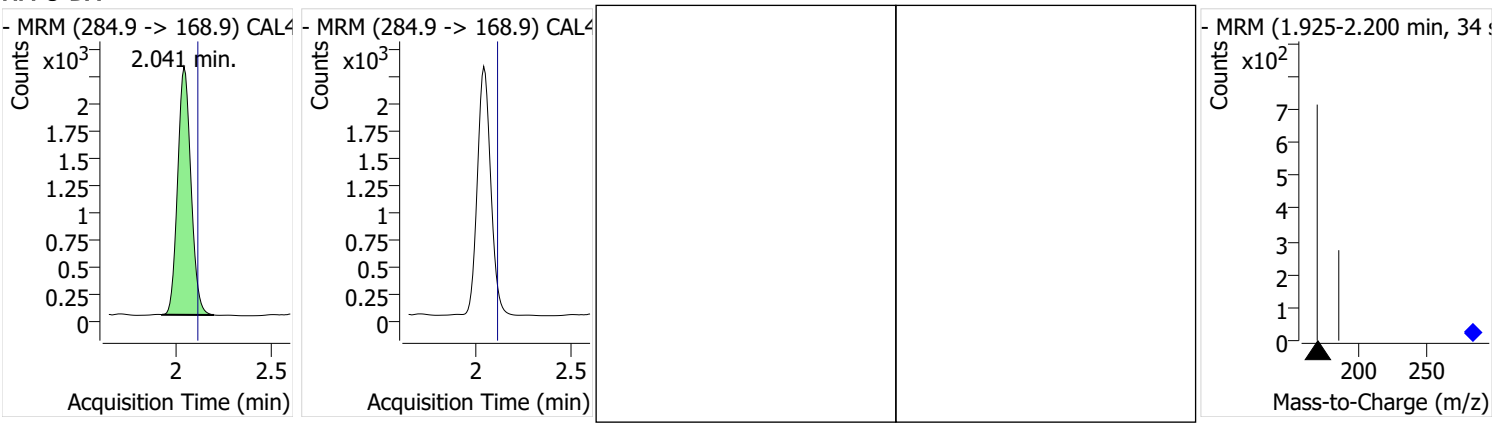
d3-N-MeFOSAA



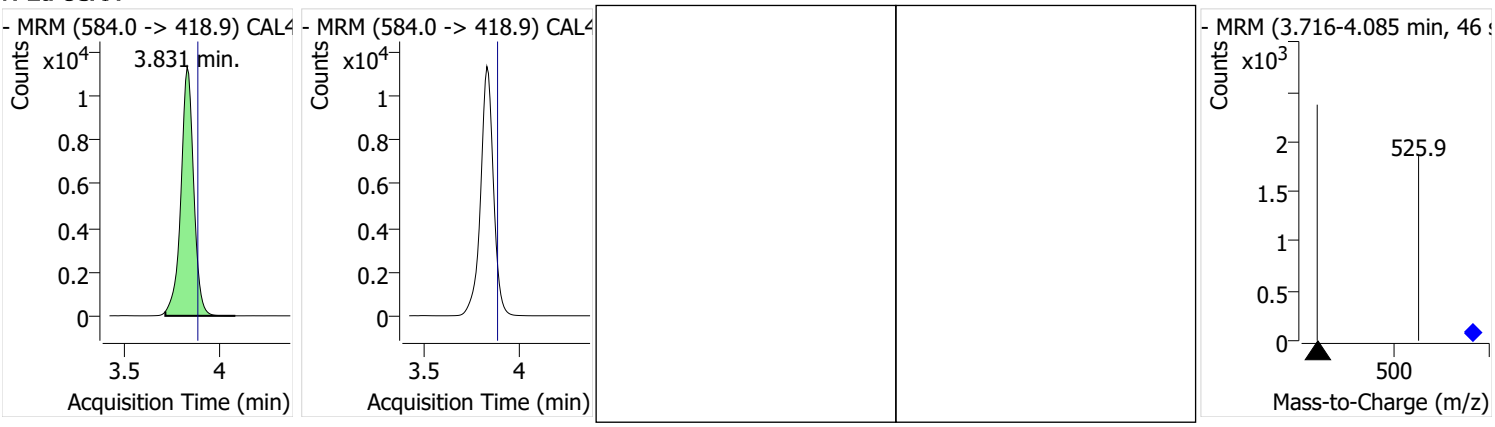
d5-N-EtFOSAA



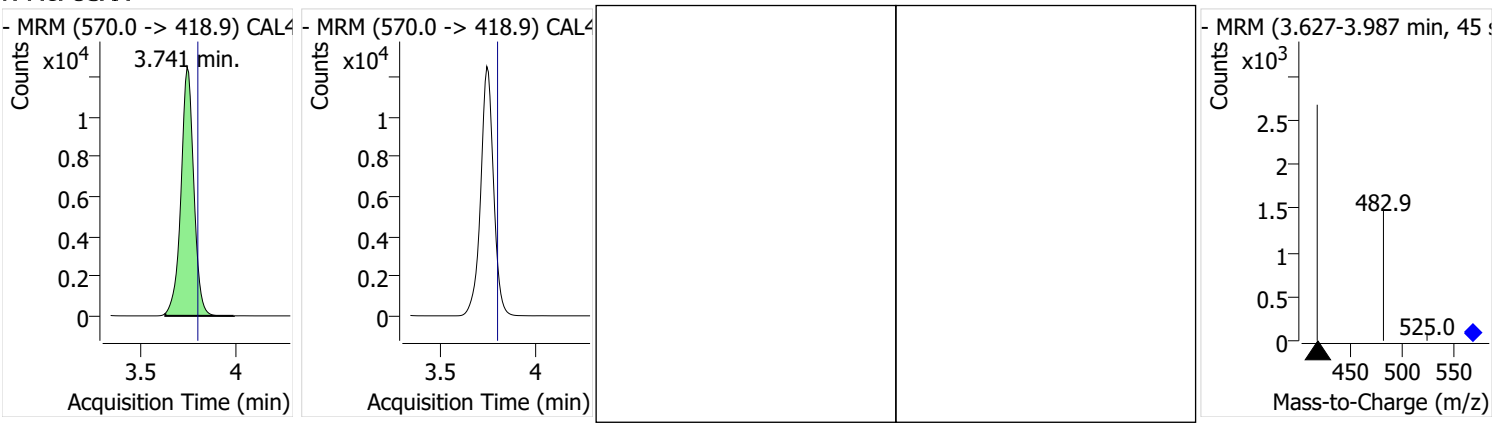
HFPO-DA



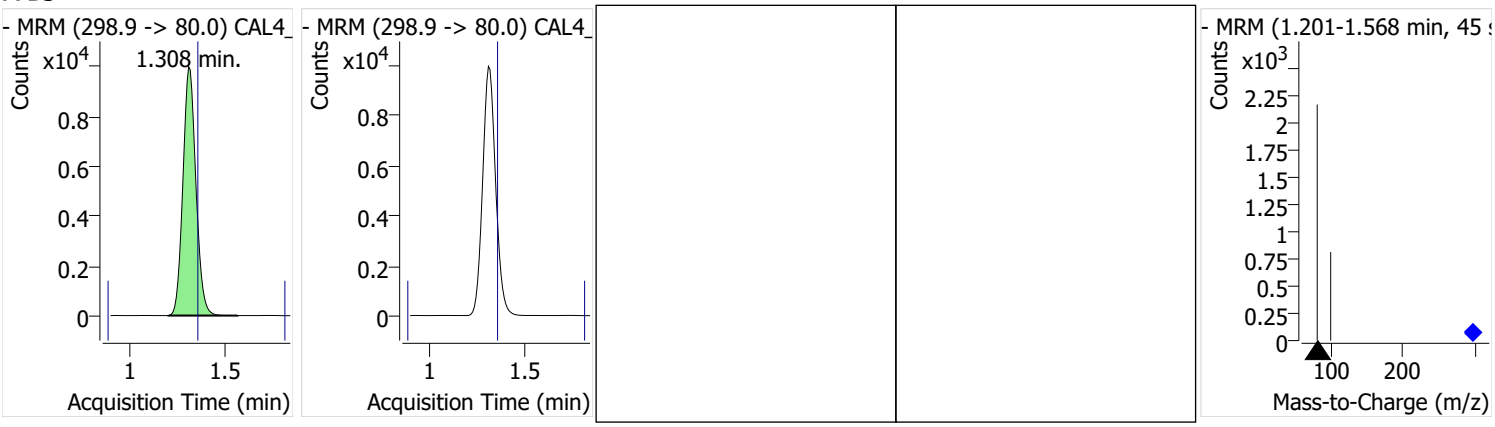
N-EtFOSAA



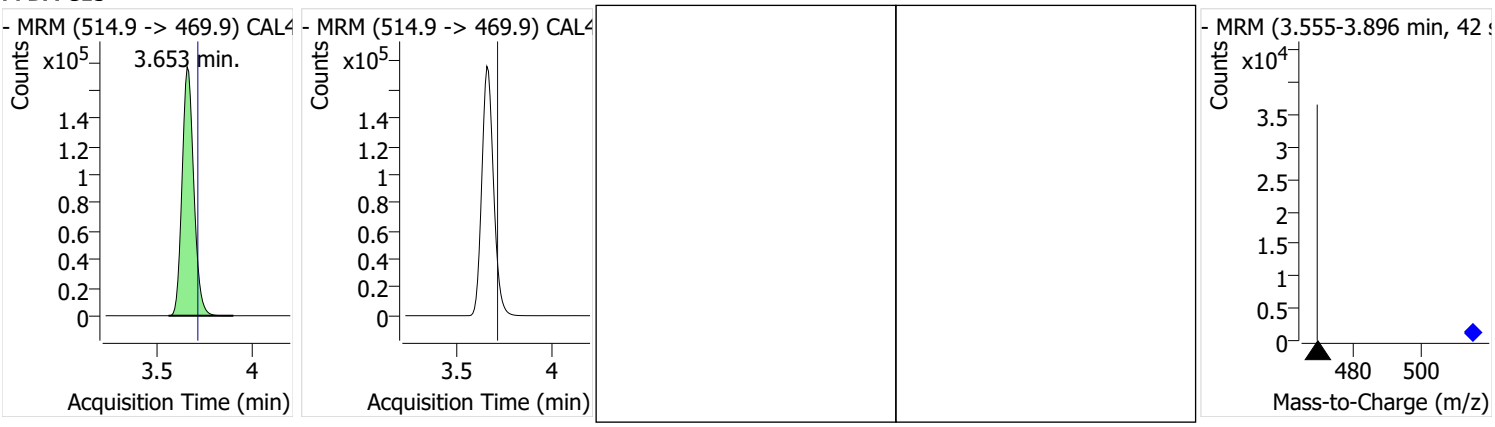
N-MeFOSAA



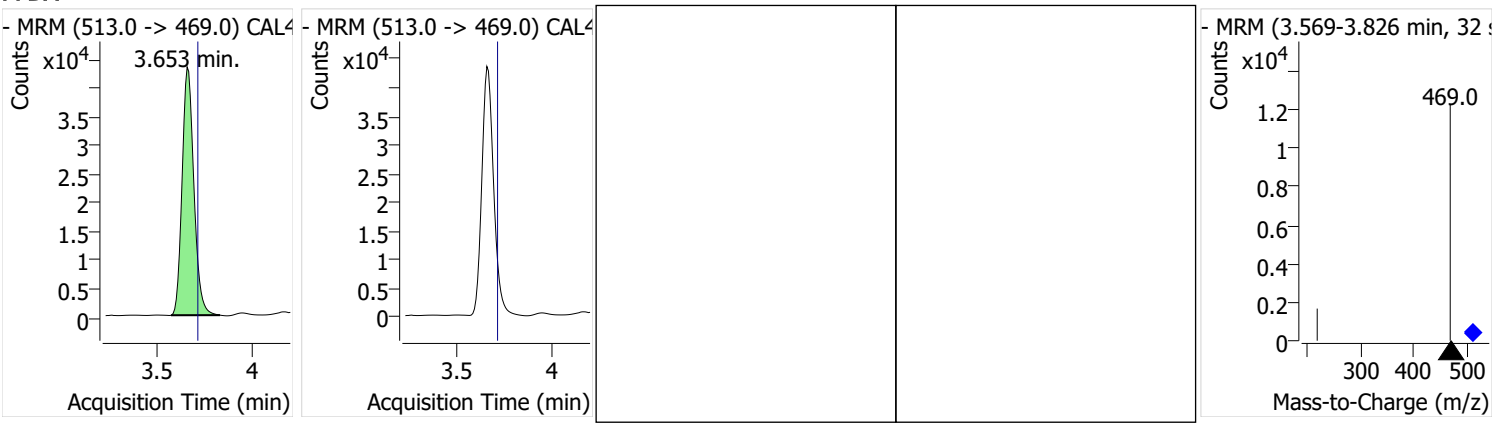
PFBS



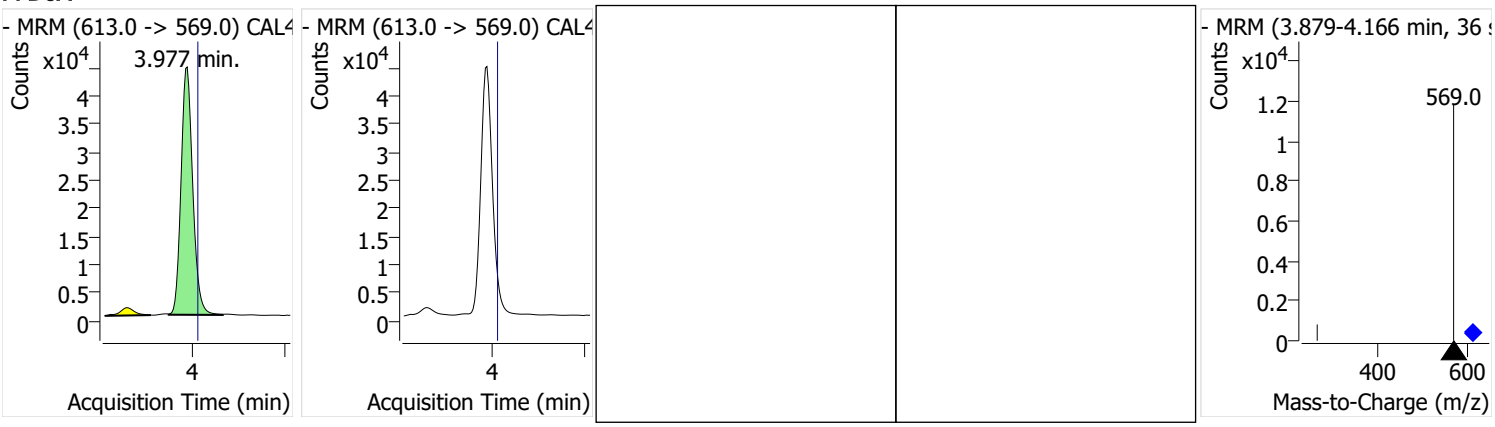
PFDA C13



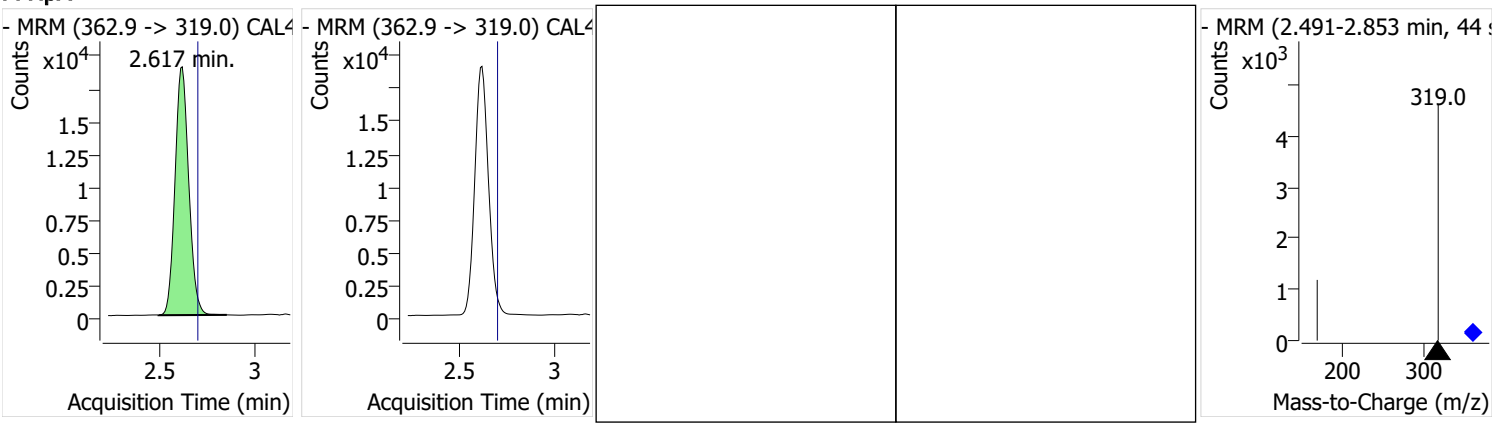
PFDA



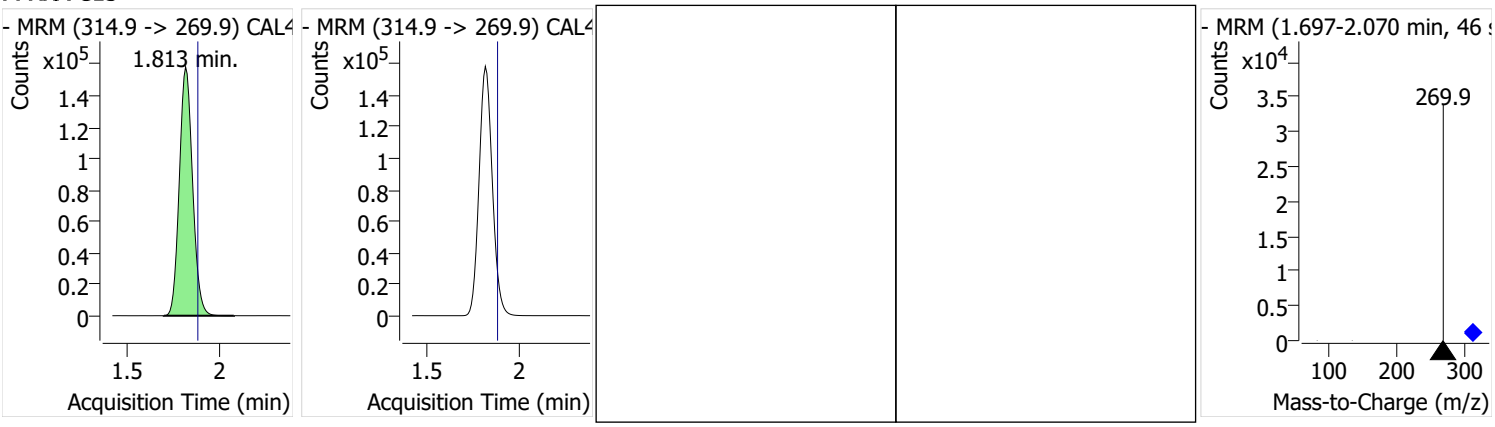
PFDoA



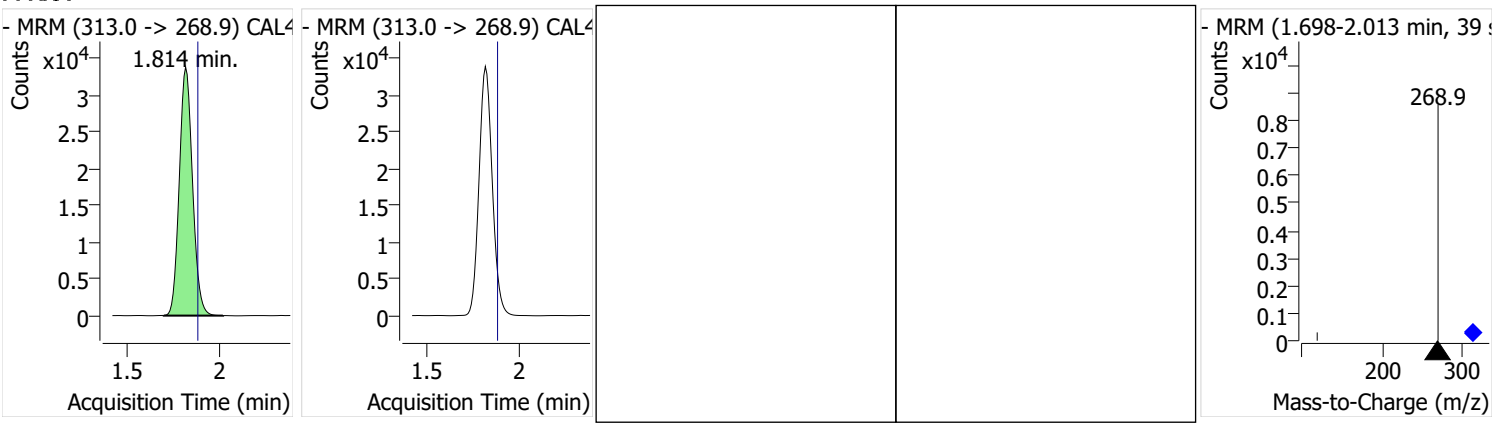
PFHpA



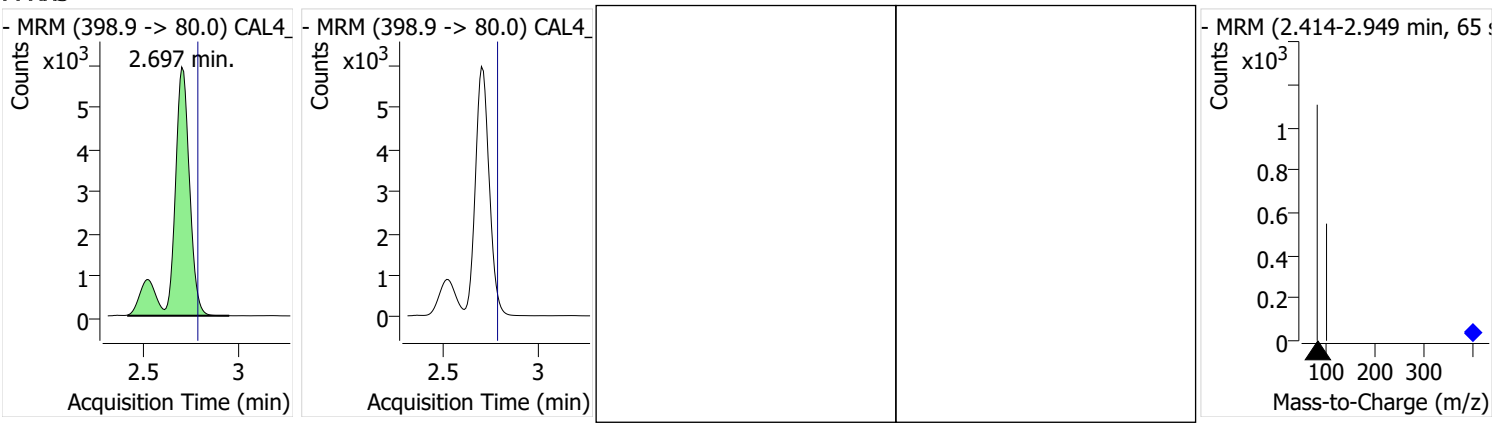
PFHxA C13



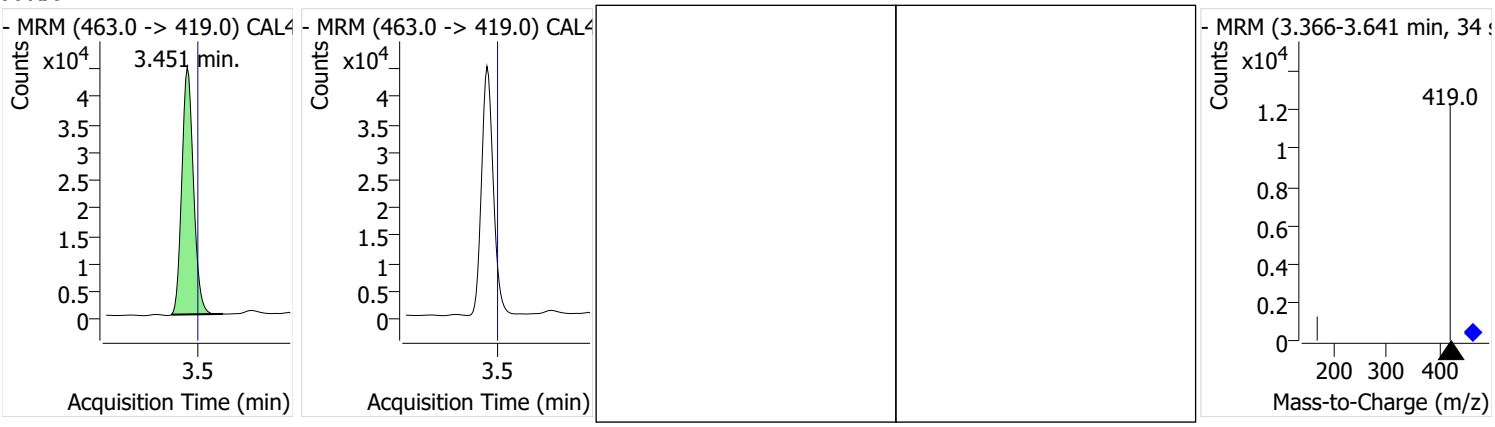
PFHxA



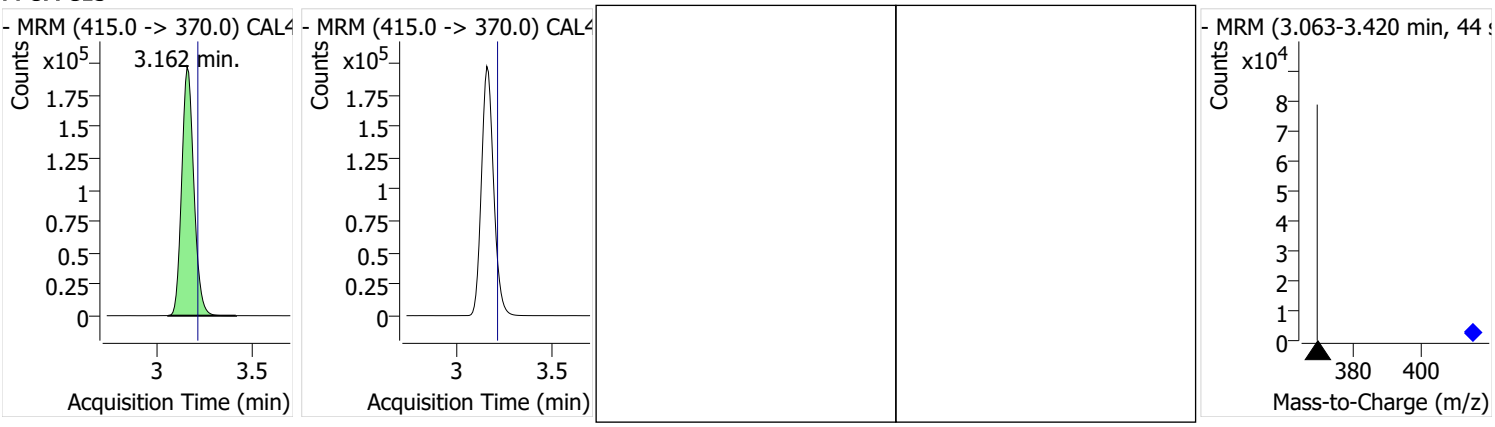
PFHxS



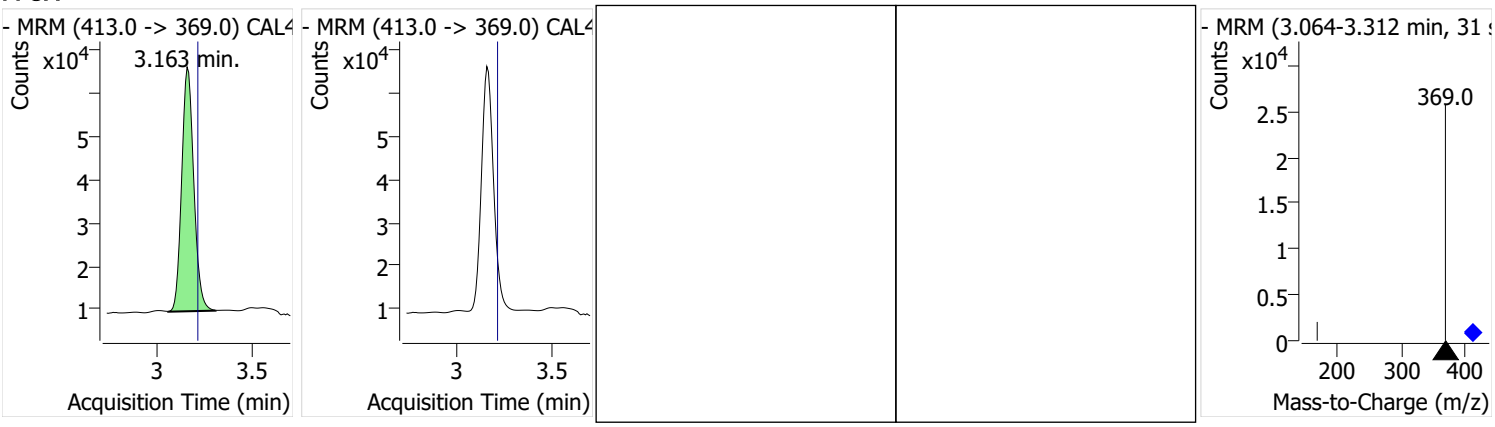
PFNA



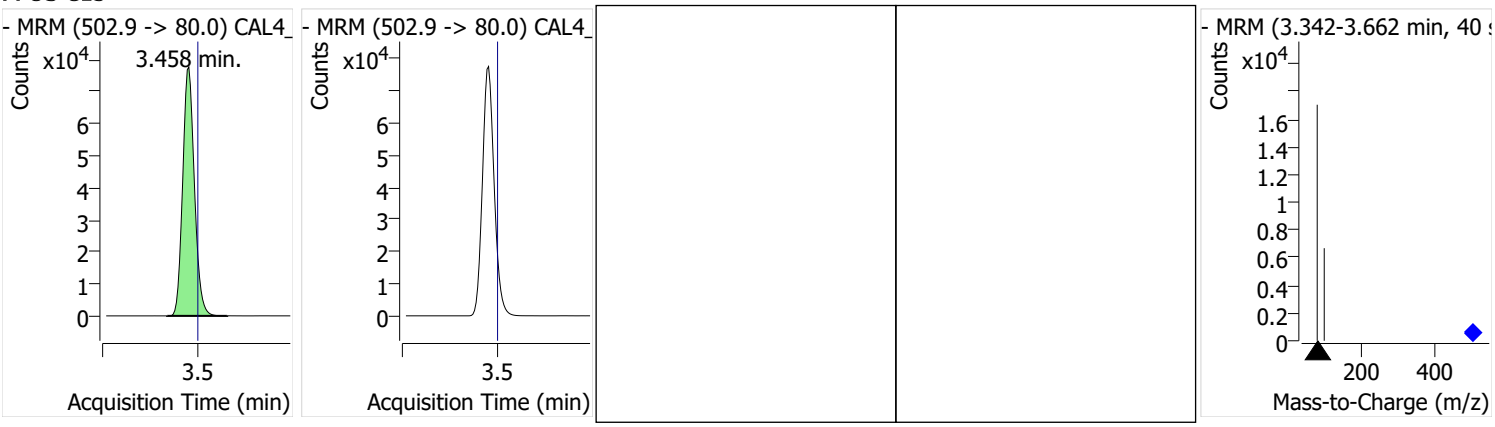
PFOA C13



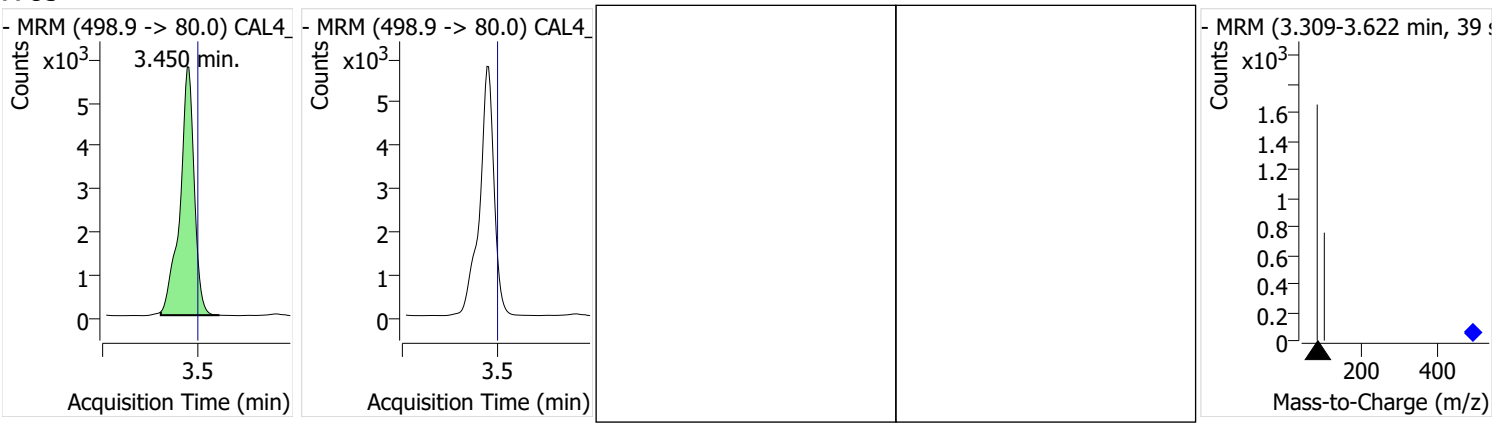
PFOA



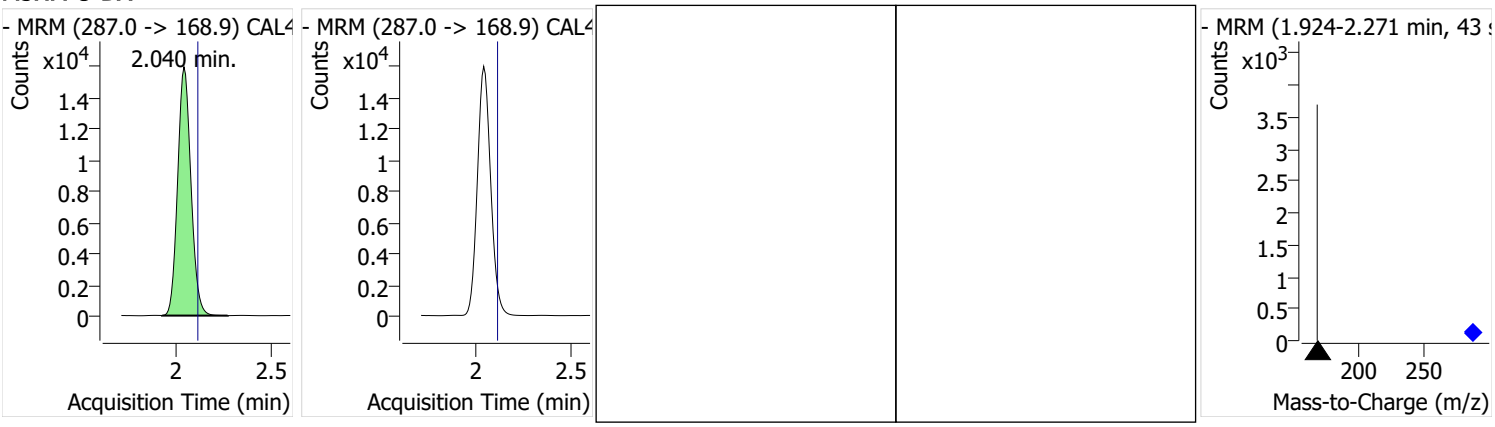
PFOS C13



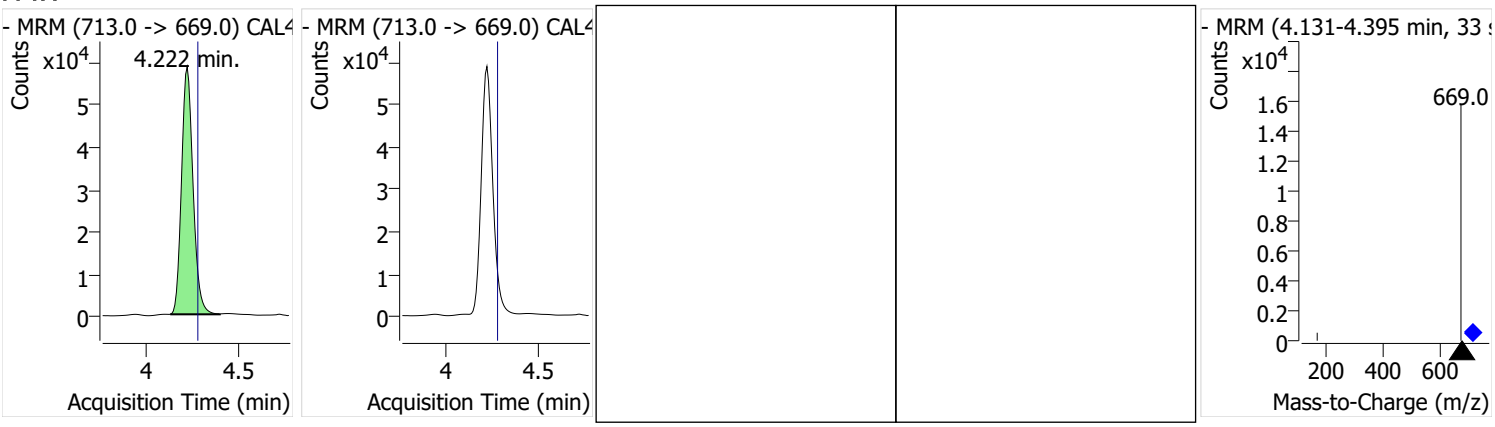
PFOS



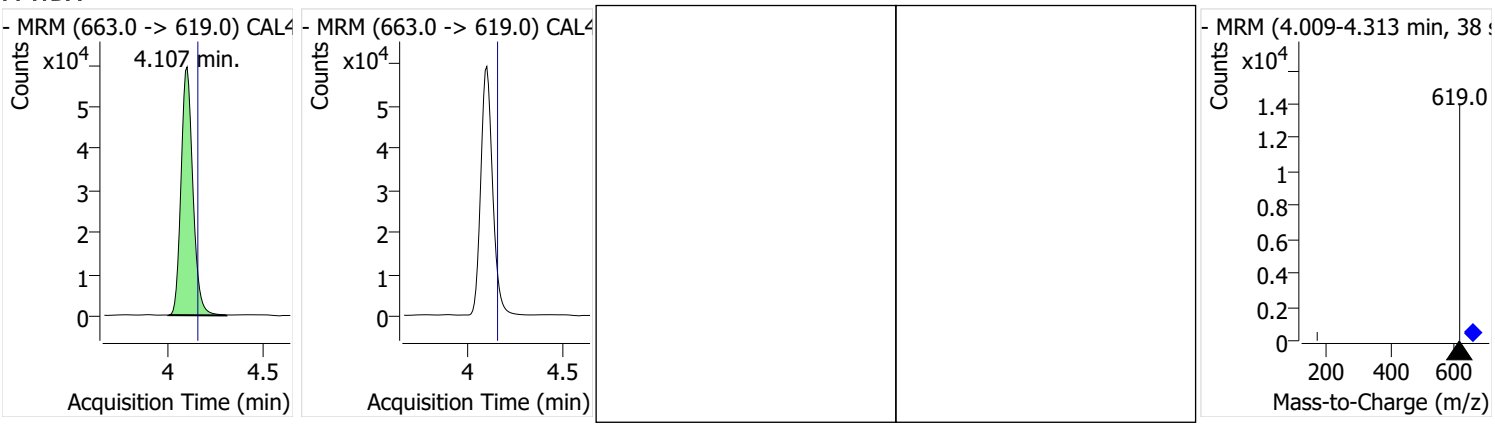
M3HFPO-DA



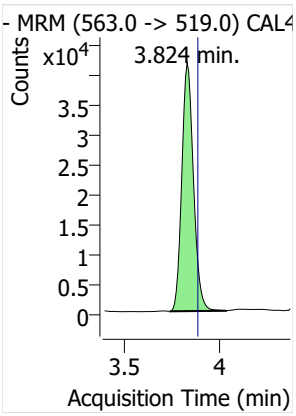
PFTA

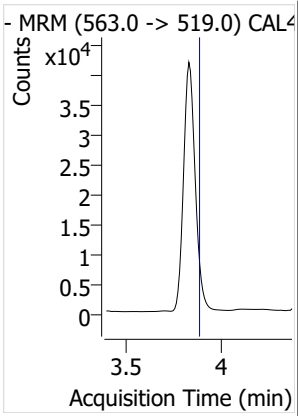


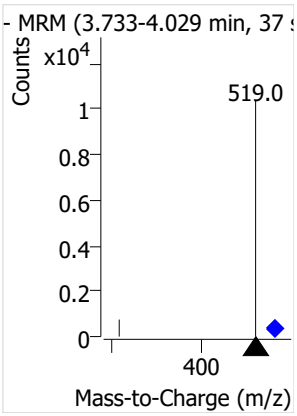
PFTrDA



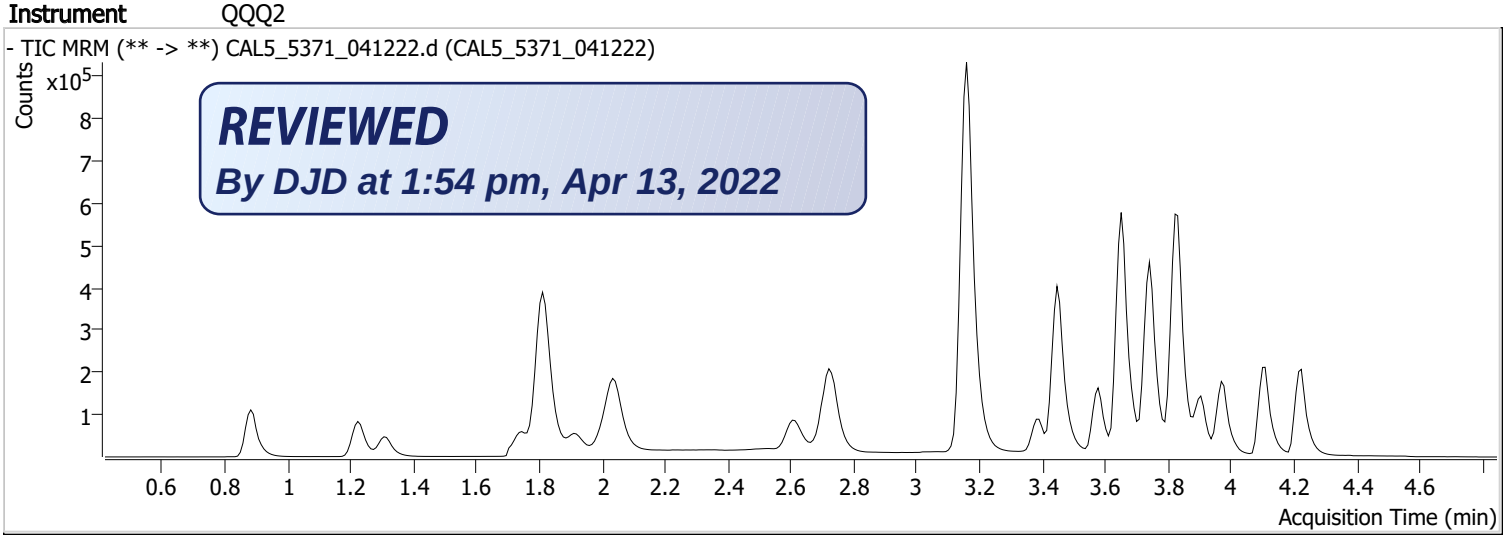
PFUnA


- MRM (563.0 -> 519.0) CAL4
Counts
x10^4
3.824 min.
3.5
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL4
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)

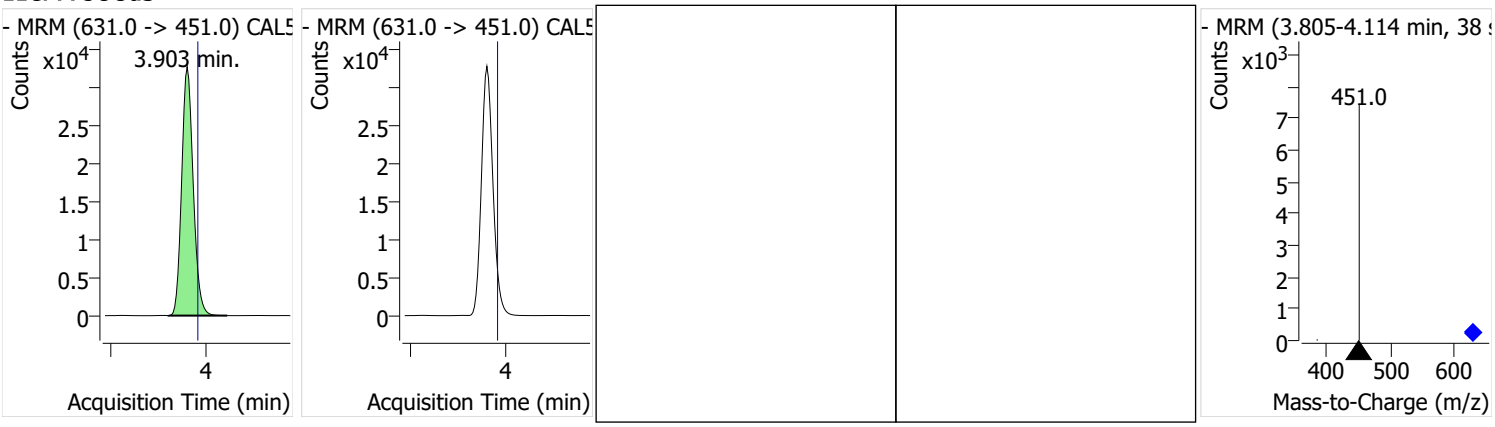

- MRM (3.733-4.029 min, 37
Counts
x10^4
519.0
1
0.8
0.6
0.4
0.2
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 3:54 PM	**Data File**	CAL5_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL5_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203536	**Processing method**	5371_041222.m
Instrument	QQQ2		

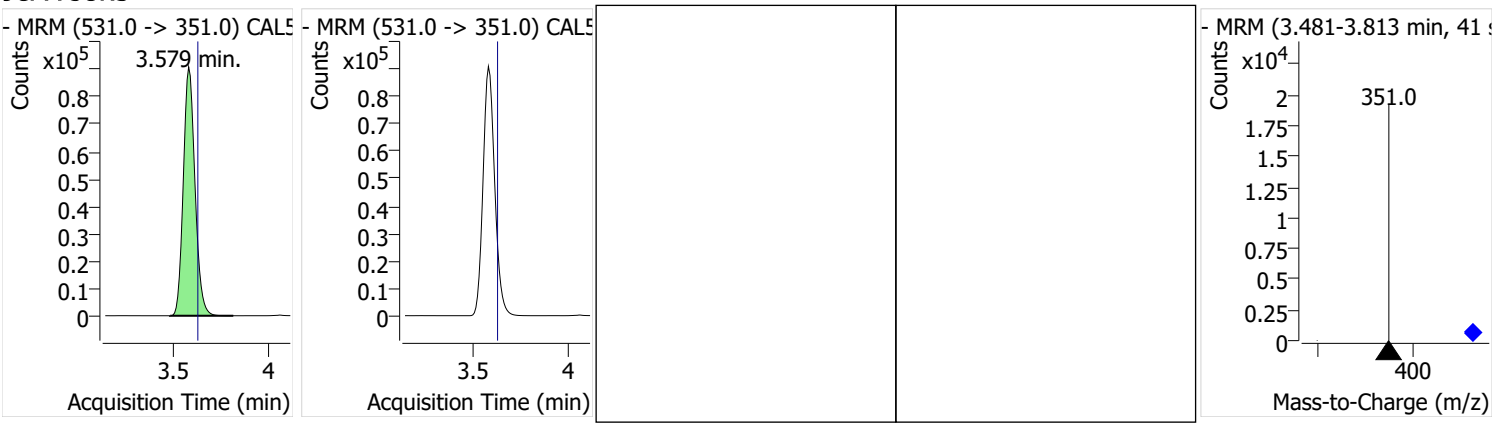


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	137714	PFOS C13	3.458	382009	4675.8196	pg/ml			
9Cl-PF3ONS	3.579	385283	PFOS C13	3.458	382009	4593.4742	pg/ml			
ADONA	2.733	655208	PFOA C13	3.162	1009828	4662.2374	pg/ml			
d5-N-EtFOSAA	3.831	941195	d3-N-MeFOSAA	3.741	995146	40856.7014	pg/ml			
HFPO-DA	2.041	22797	PFOA C13	3.162	1009828	4748.7280	pg/ml			
N-EtFOSAA	3.831	113142	d3-N-MeFOSAA	3.741	995146	5269.2514	pg/ml			
N-MeFOSAA	3.741	129366	d3-N-MeFOSAA	3.741	995146	4734.1160	pg/ml			
PFBS	1.316	102489	PFOS C13	3.458	382009	4213.9112	pg/ml			
PFDA C13	3.653	882516	PFOA C13	3.162	1009828	10137.1442	pg/ml			
PFDA	3.653	408869	PFOA C13	3.162	1009828	4982.1082	pg/ml			
PFDoA	3.977	407088	PFOA C13	3.162	1009828	4943.9860	pg/ml			
PFHpA	2.617	208162	PFOA C13	3.162	1009828	4799.8648	pg/ml			
PFHxA C13	1.813	911004	PFOA C13	3.162	1009828	9859.0685	pg/ml			
PFHxA	1.814	341872	PFOA C13	3.162	1009828	4791.5940	pg/ml			
PFHxS	2.697	73673	PFOS C13	3.458	382009	4492.8138	pg/ml			
PFNA	3.451	391701	PFOA C13	3.162	1009828	4862.2208	pg/ml			
PFOA	3.163	517011	PFOA C13	3.162	1009828	5019.5059	pg/ml			
PFOS	3.450	62786	PFOS C13	3.458	382009	4662.4568	pg/ml			
M3HFPO-DA	2.040	97015	PFOA C13	3.162	1009828	10323.1950	pg/ml			
PFTA	4.222	519936	PFOA C13	3.162	1009828	5042.5733	pg/ml			
PFTrDA	4.107	534986	PFOA C13	3.162	1009828	5002.6919	pg/ml			
PFUnA	3.824	381196	PFOA C13	3.162	1009828	5034.5565	pg/ml			

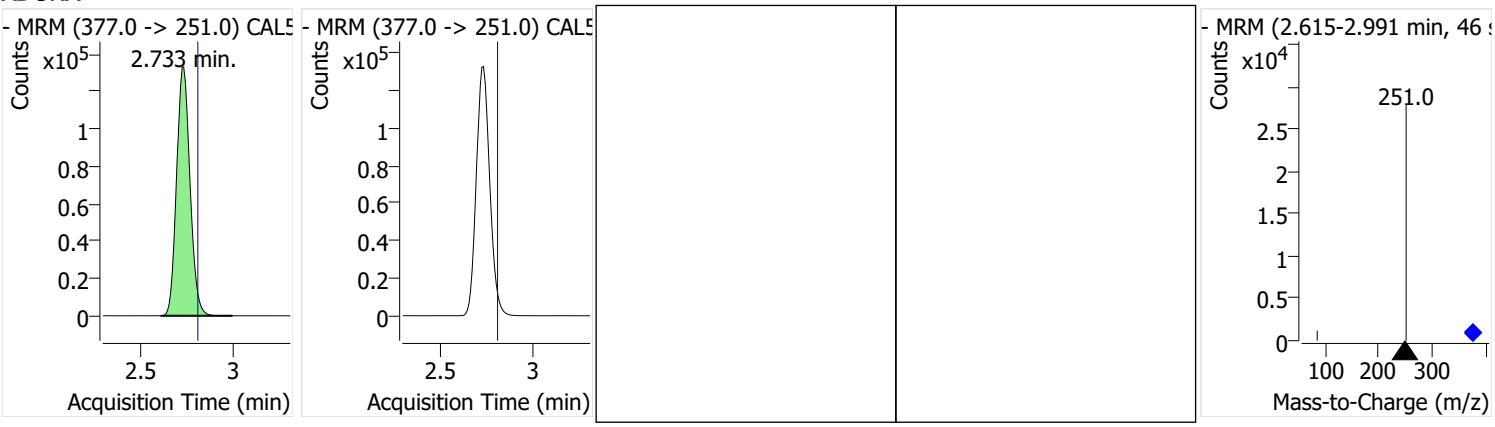
11Cl-PF3OUdS



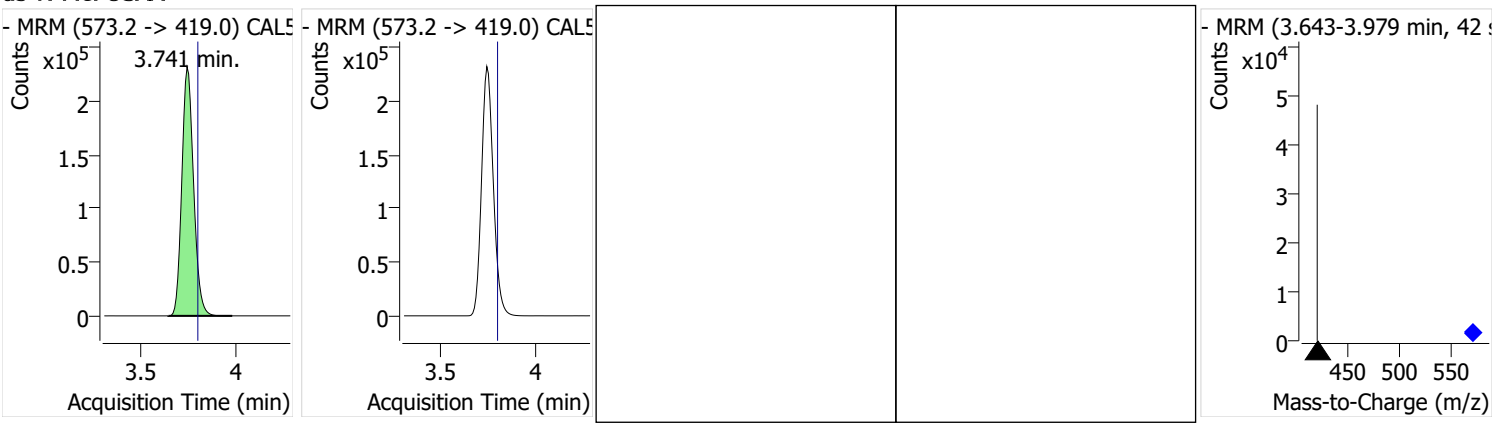
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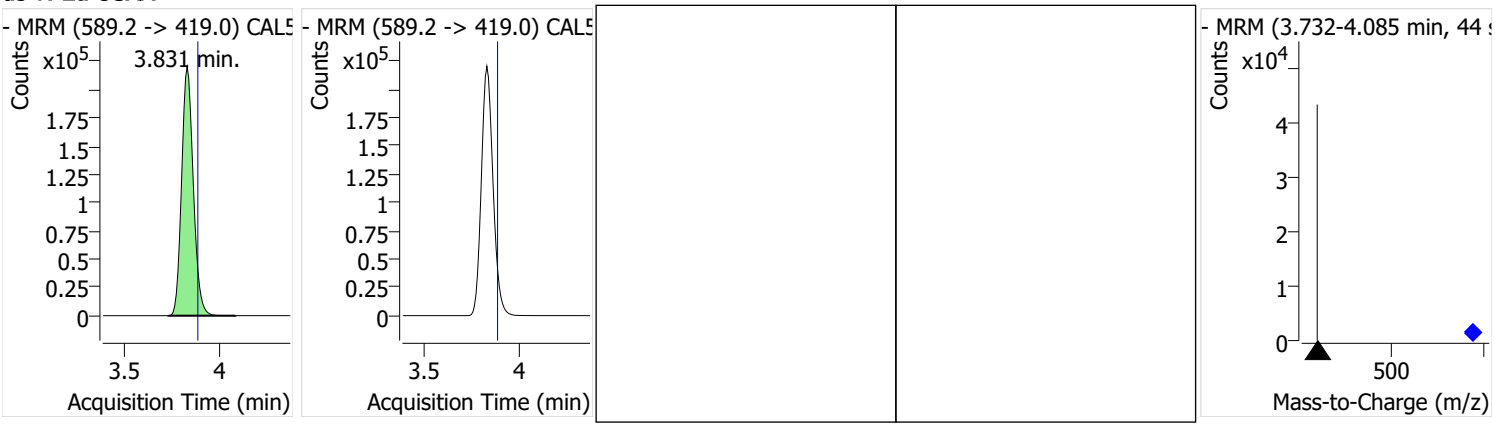
ADONA



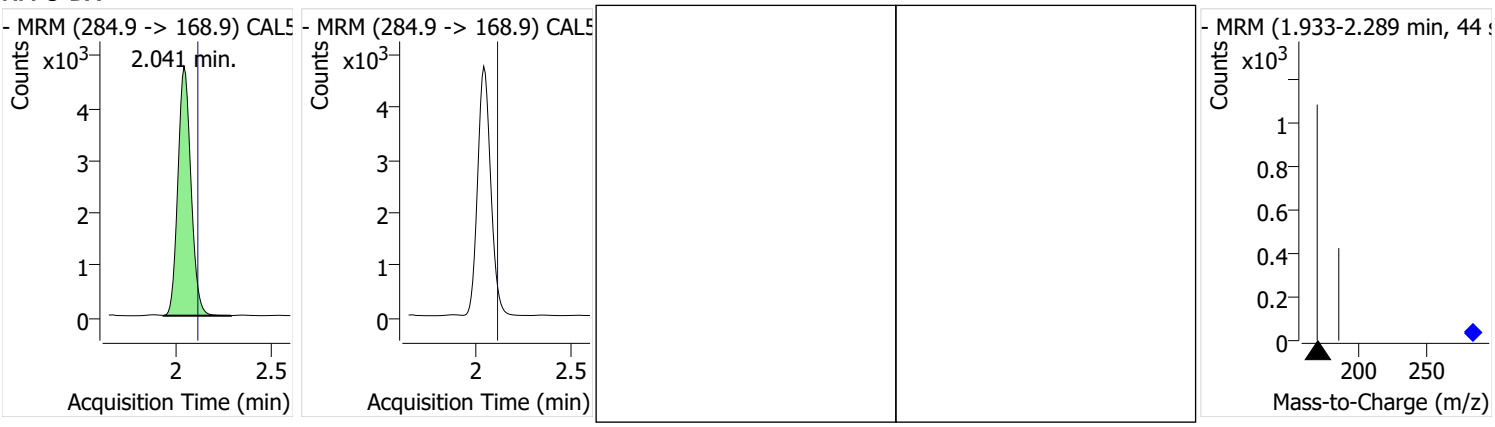
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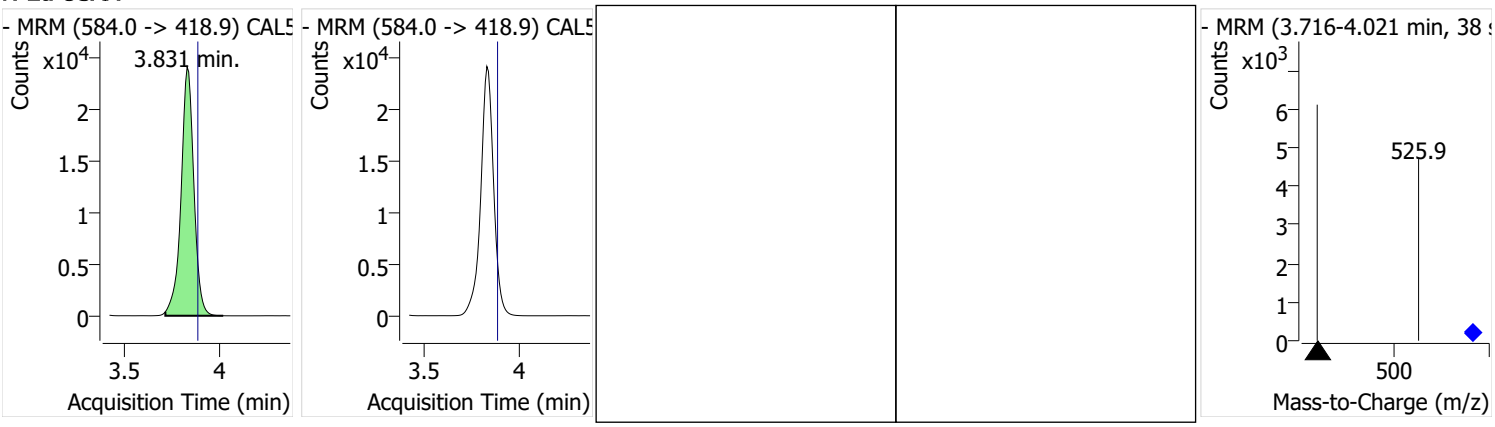
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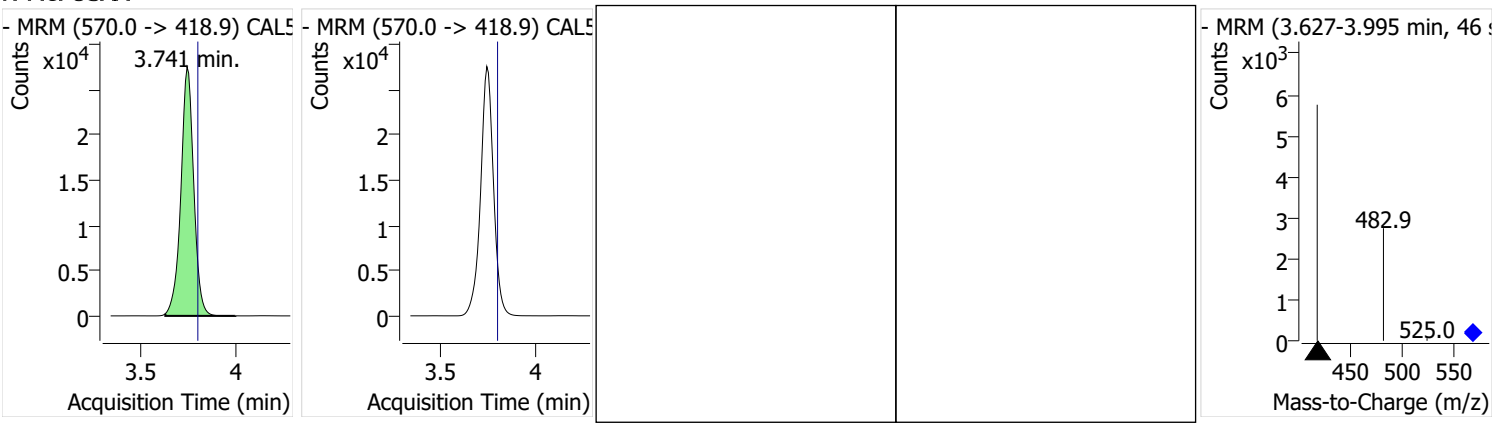
HFPO-DA



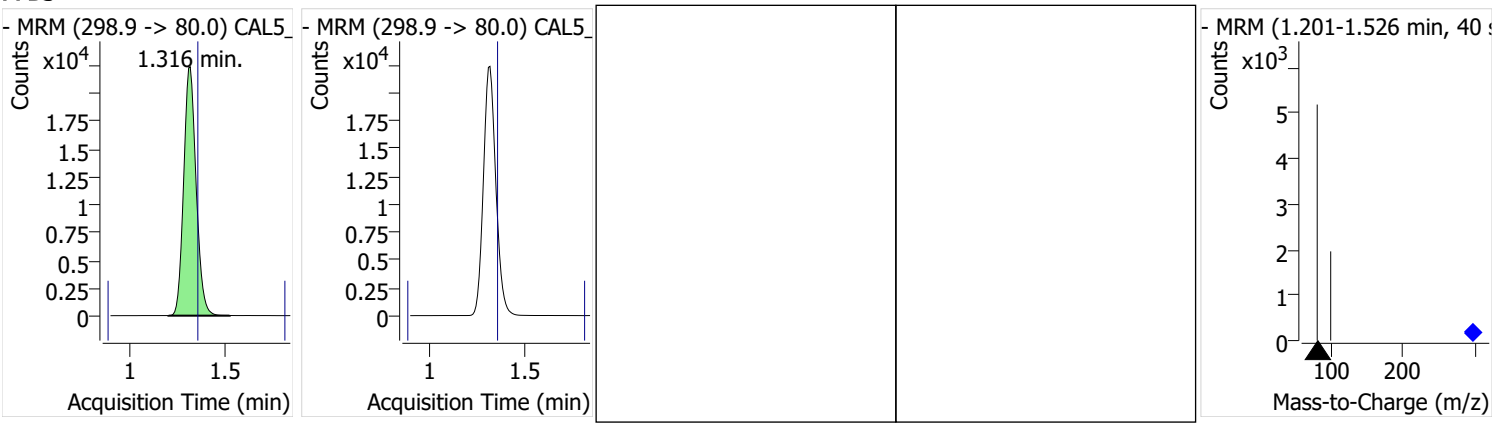
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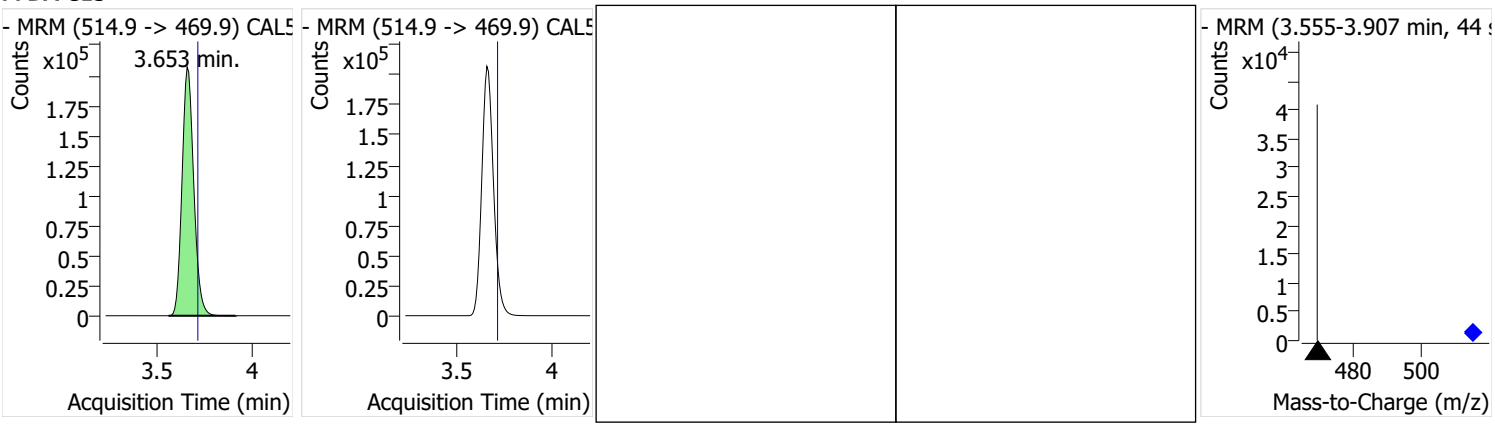
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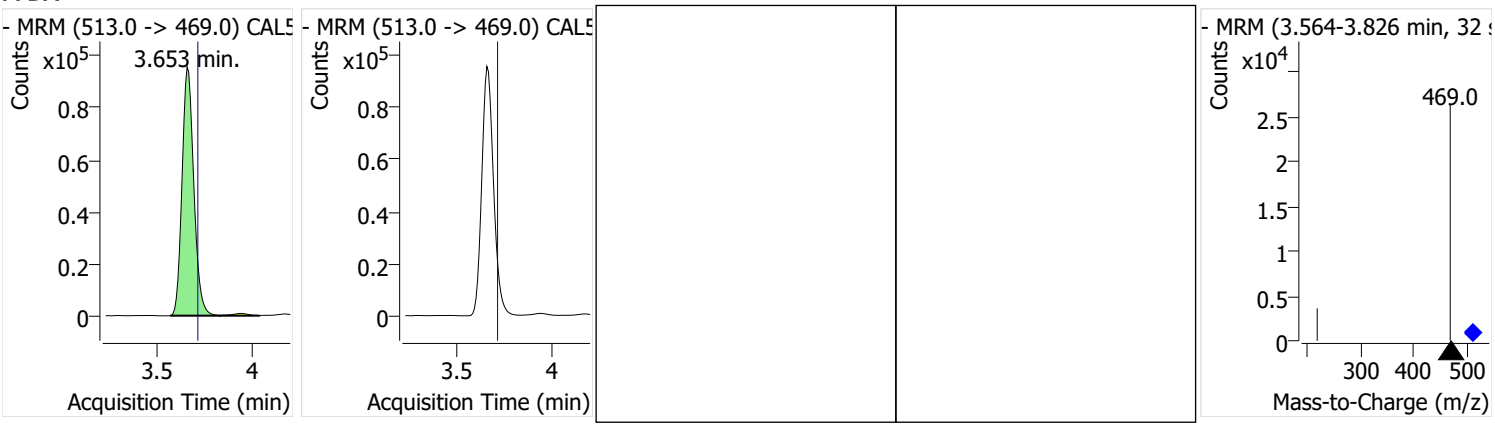
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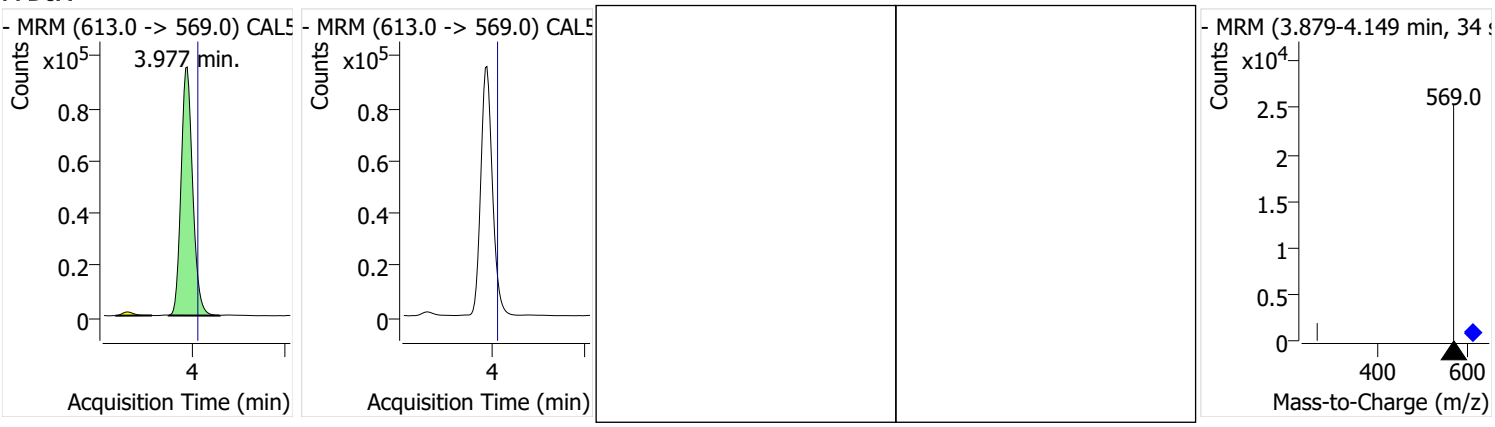
PFDA C13



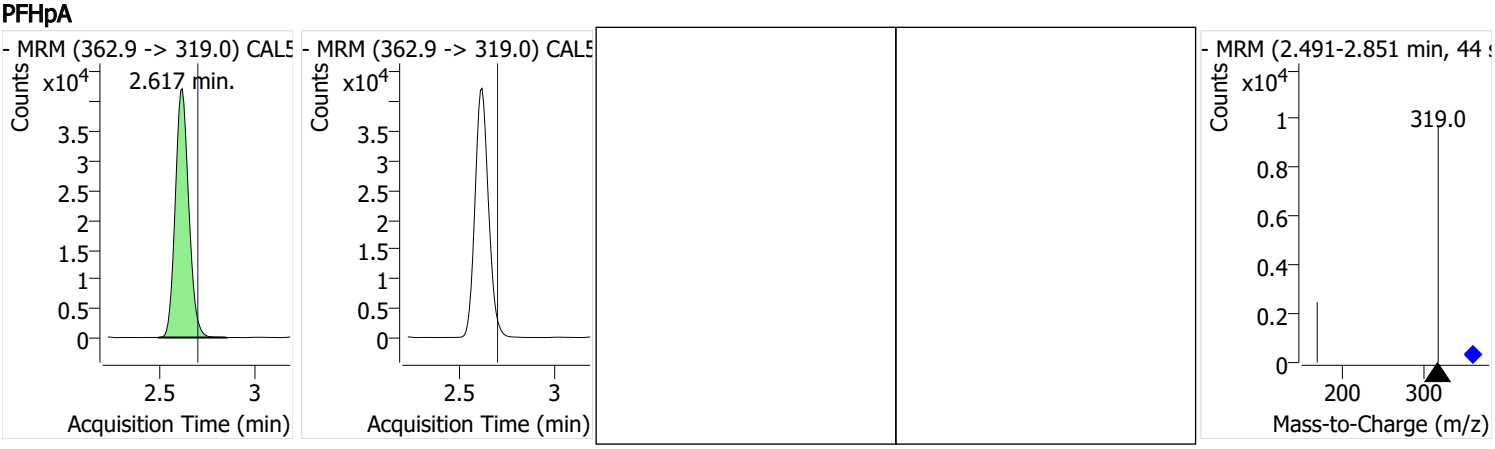
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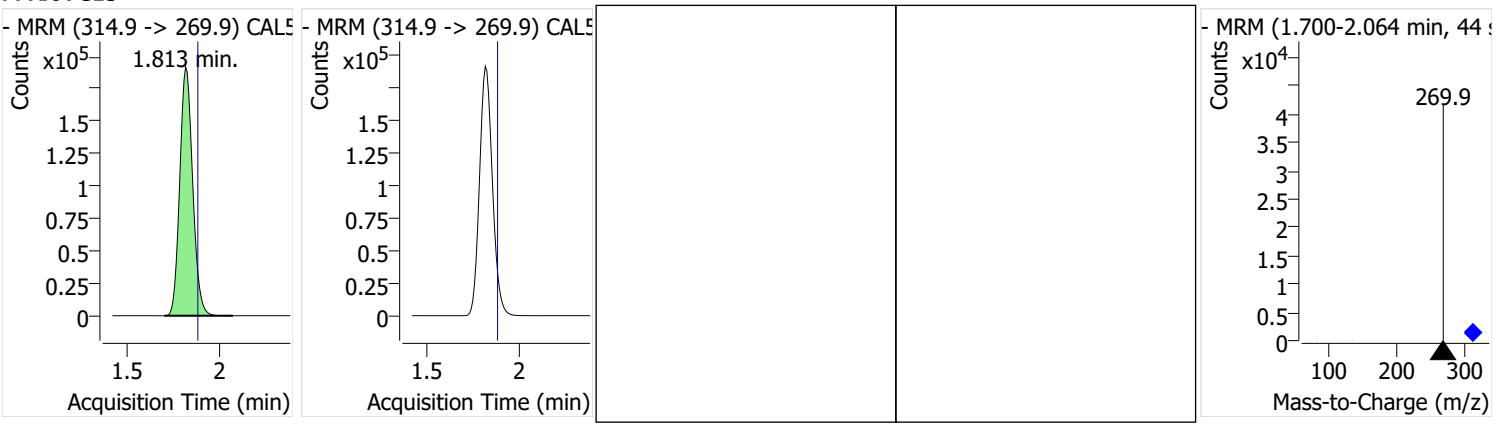
PFDoA



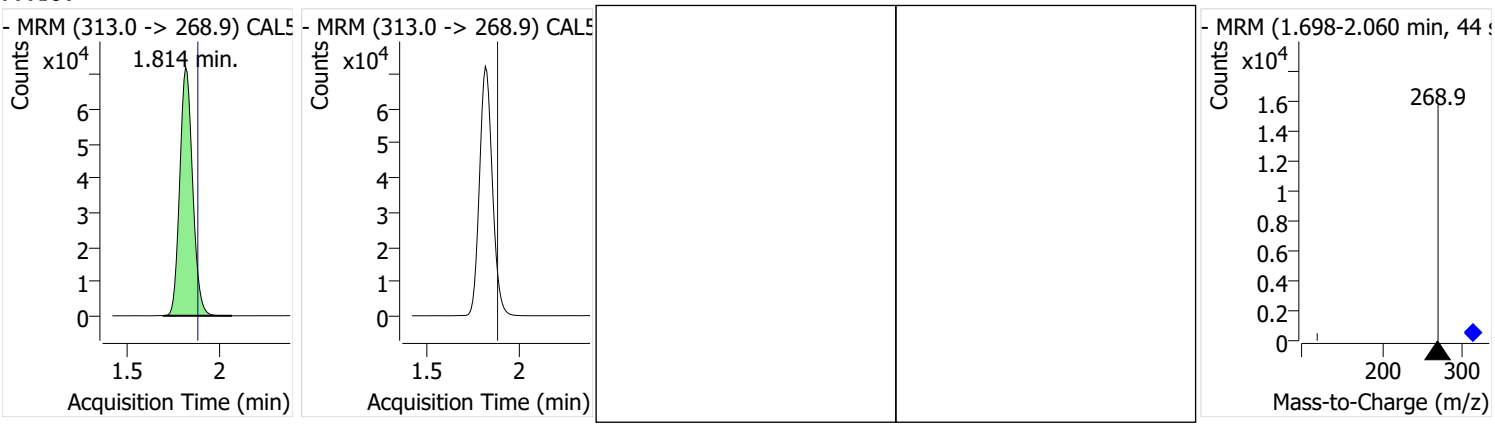
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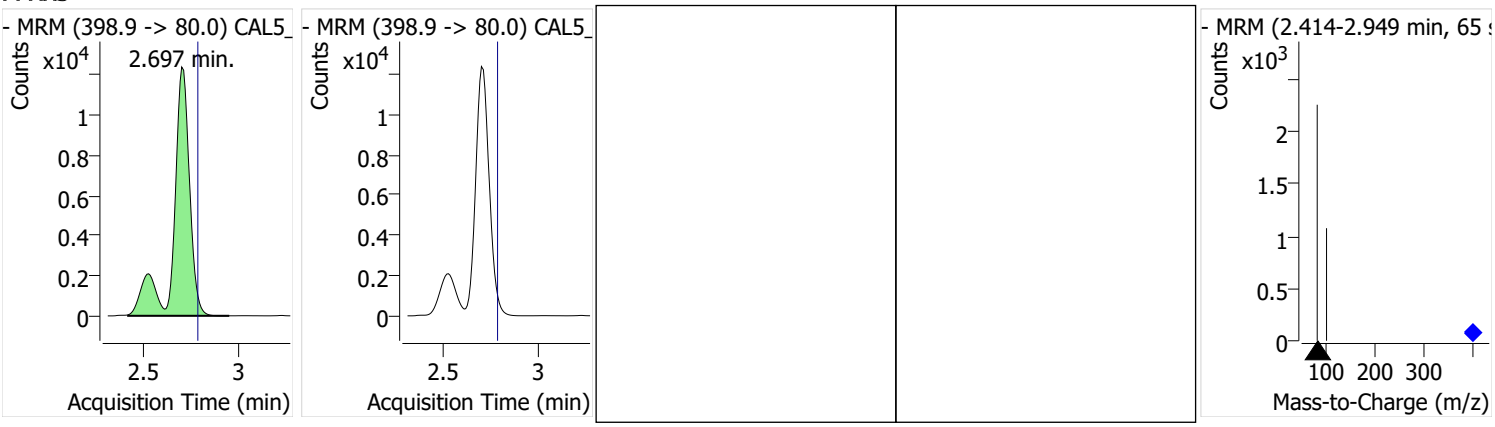
PFHxA C13



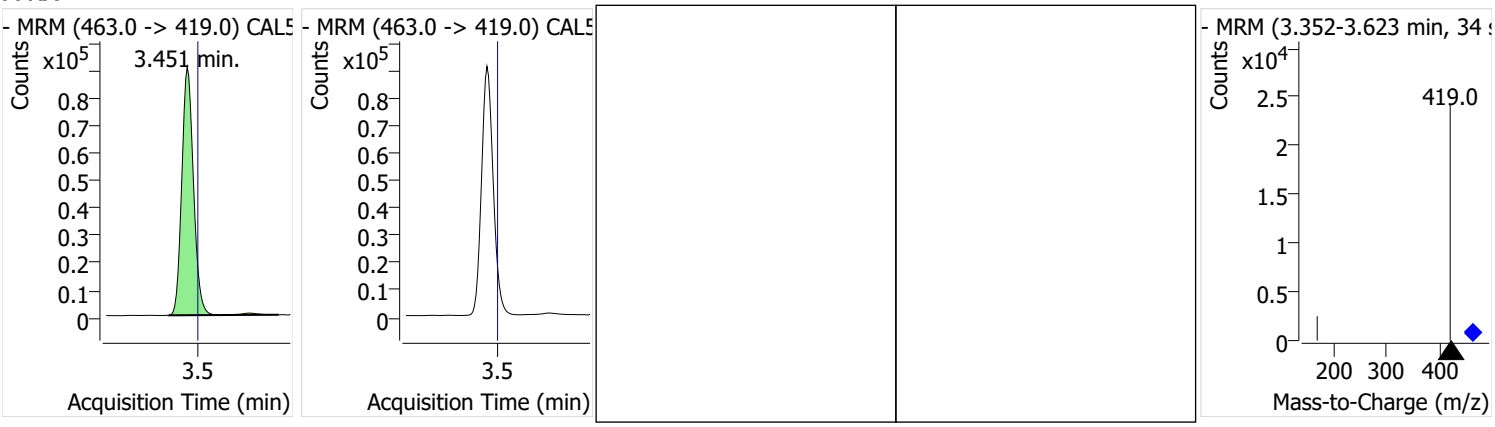
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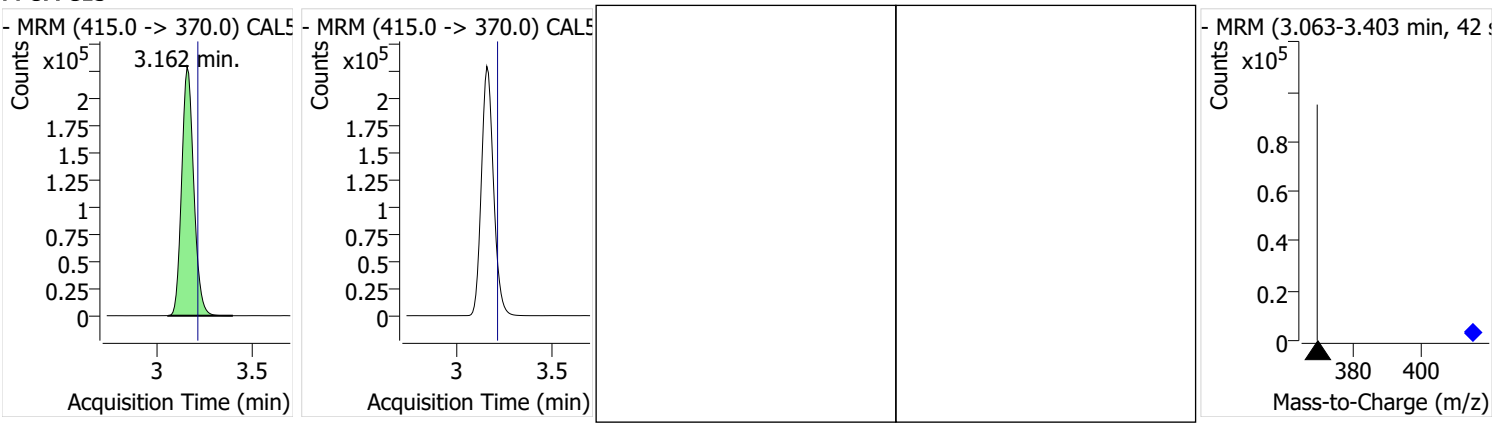
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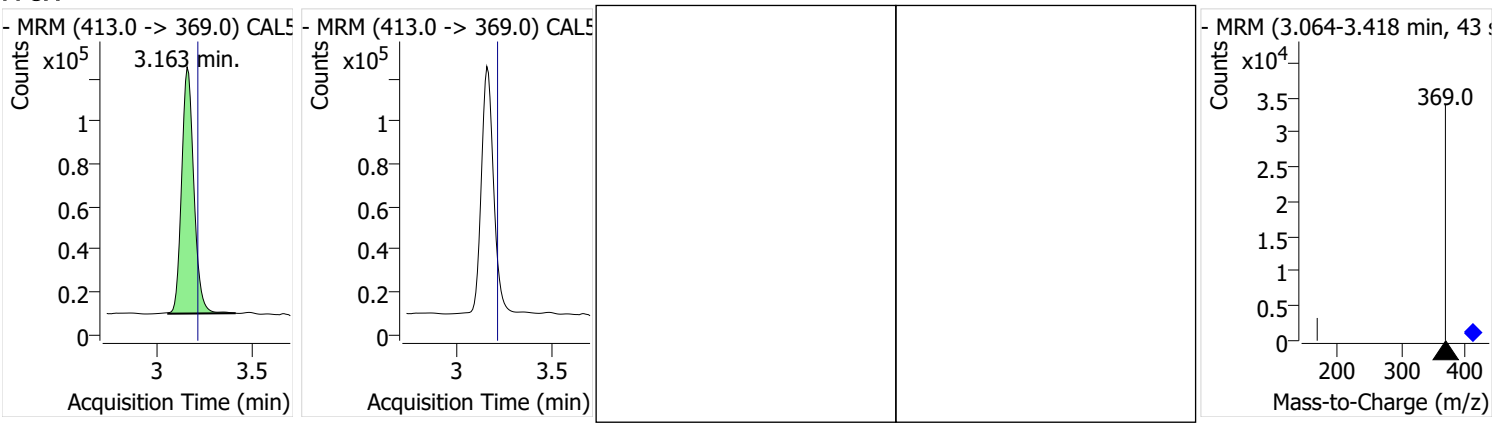
PFNA



PFOA C13



PFOA



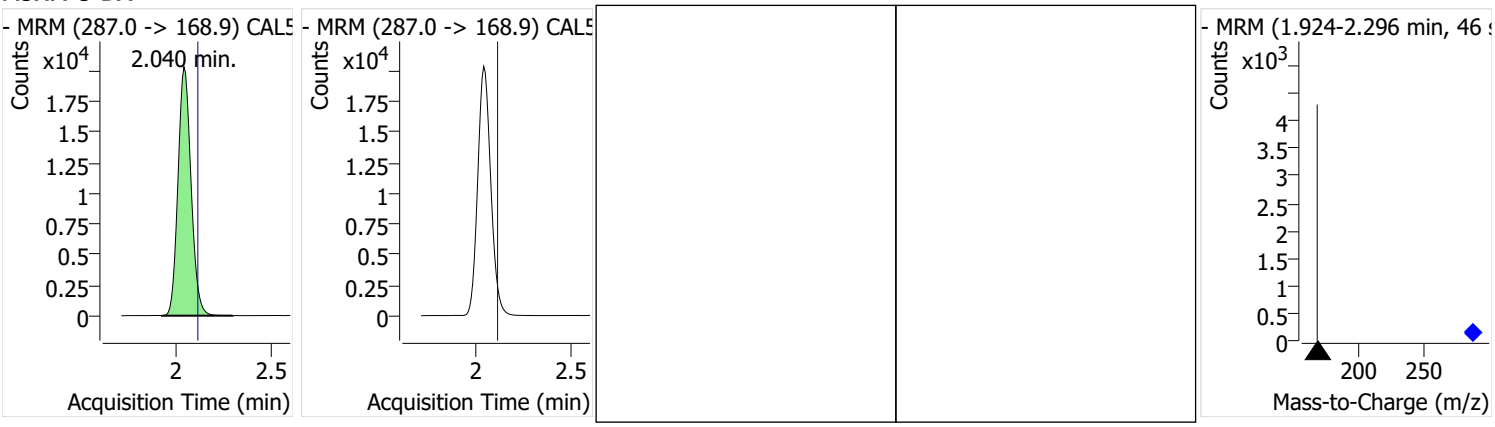
PFOS C13



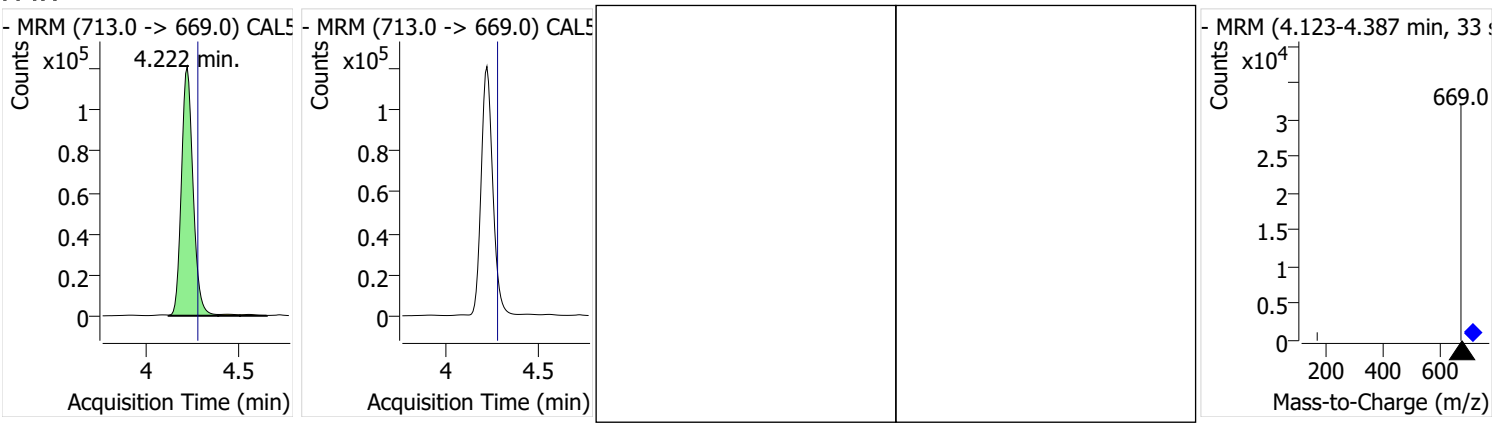
PFOS



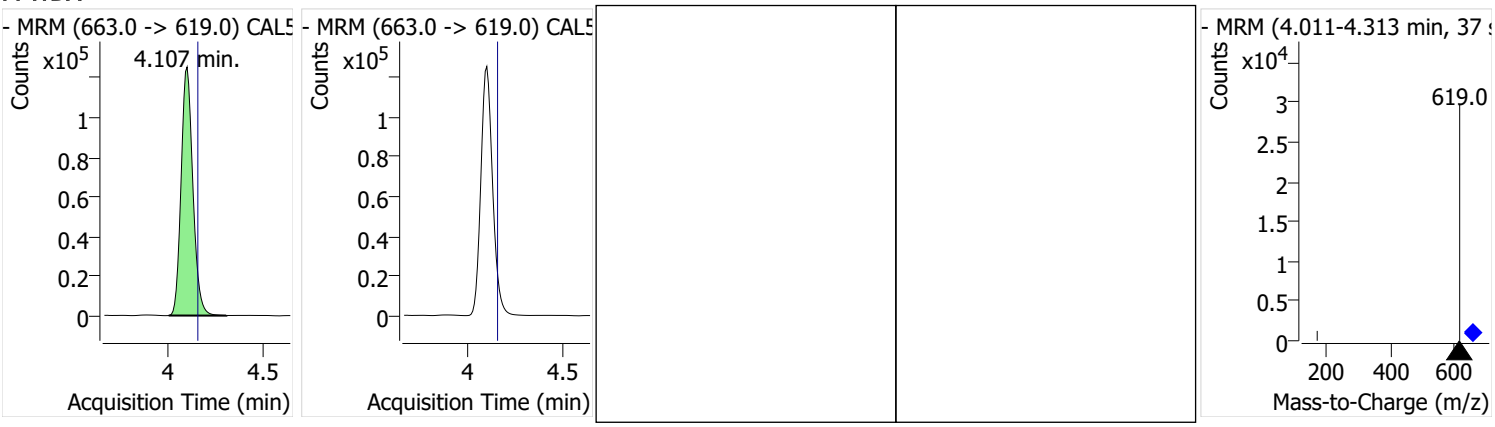
M3HFPO-DA



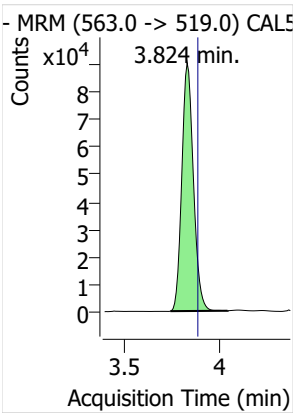
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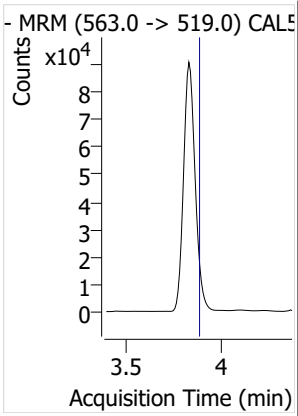


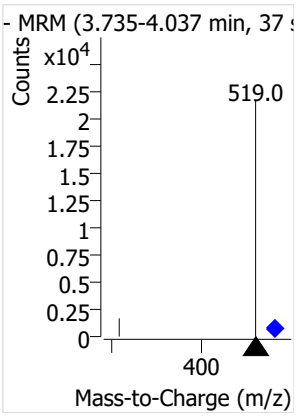
PFTrDA



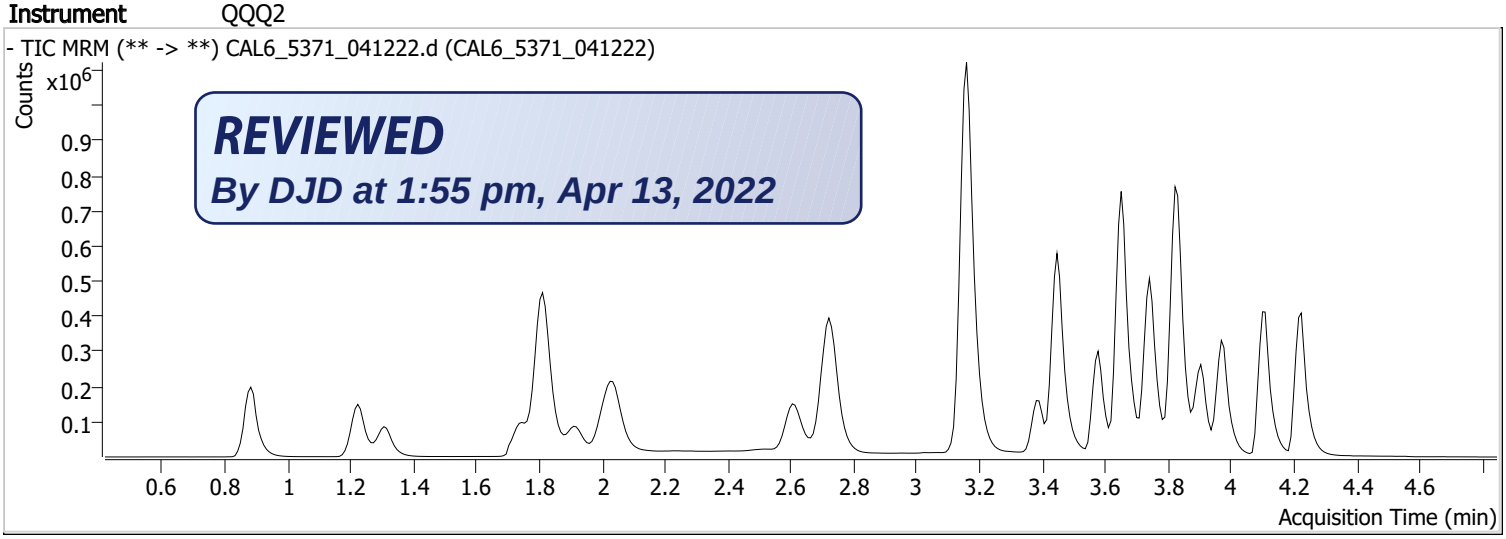
PFUnA


- MRM (563.0 -> 519.0) CAL5
Counts
x10^4
3.824 min.
8
7
6
5
4
3
2
1
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL5
Counts
x10^4
8
7
6
5
4
3
2
1
0
3.5
4
Acquisition Time (min)

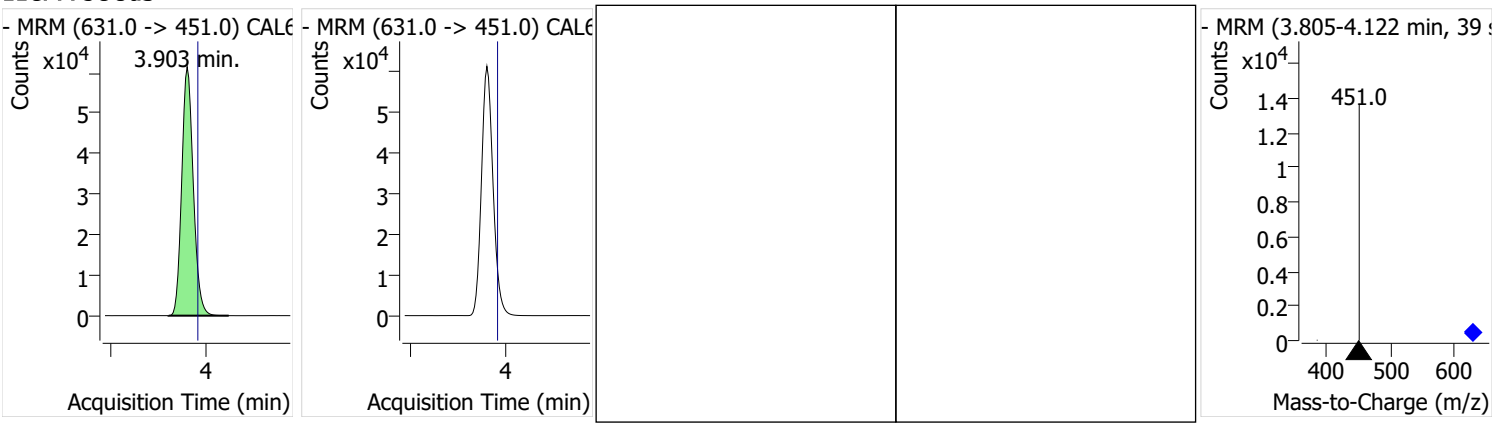

- MRM (3.735-4.037 min, 37
Counts
x10^4
519.0
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 4:01 PM	**Data File**	CAL6_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL6_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203537	**Processing method**	5371_041222.m
Instrument	QQQ2		

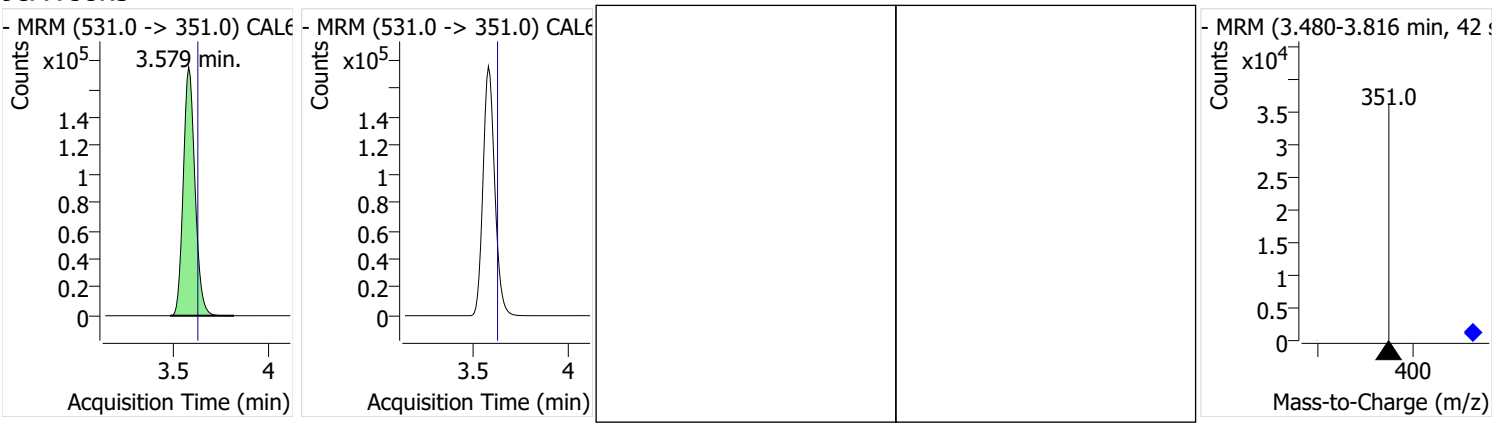


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	259432	PFOS C13	3.458	373443	8930.0187	pg/ml			
9Cl-PF3ONS	3.579	745767	PFOS C13	3.458	373443	8958.9714	pg/ml			
ADONA	2.725	1278259	PFOA C13	3.162	986325	9196.6413	pg/ml			
d5-N-EtFOSAA	3.831	915511	d3-N-MeFOSAA	3.741	961093	41149.9211	pg/ml			
HFPO-DA	2.041	46372	PFOA C13	3.162	986325	9621.9495	pg/ml			
N-EtFOSAA	3.831	207908	d3-N-MeFOSAA	3.741	961093	10025.7559	pg/ml			
N-MeFOSAA	3.741	249108	d3-N-MeFOSAA	3.741	961093	9439.0514	pg/ml			
PFBS	1.308	197607	PFOS C13	3.458	373443	8258.9496	pg/ml			
PFDA C13	3.653	856141	PFOA C13	3.162	986325	10068.5184	pg/ml			
PFDA	3.653	753471	PFOA C13	3.162	986325	9462.4740	pg/ml			
PFDoA	3.977	774774	PFOA C13	3.162	986325	9578.9929	pg/ml			
PFHpA	2.608	406223	PFOA C13	3.162	986325	9518.7661	pg/ml			
PFHxA C13	1.813	907462	PFOA C13	3.162	986325	10054.7612	pg/ml			
PFHxA	1.814	666627	PFOA C13	3.162	986325	9502.7575	pg/ml			
PFHxS	2.697	142973	PFOS C13	3.458	373443	8787.9480	pg/ml			
PFNA	3.451	762769	PFOA C13	3.162	986325	9693.9576	pg/ml			
PFOA	3.163	982741	PFOA C13	3.162	986325	9705.4928	pg/ml			
PFOS	3.450	119377	PFOS C13	3.458	373443	9003.3703	pg/ml			
M3HFPO-DA	2.040	91576	PFOA C13	3.162	986325	9976.6243	pg/ml			
PFTA	4.222	1025561	PFOA C13	3.162	986325	10070.7171	pg/ml			
PFTrDA	4.107	1049799	PFOA C13	3.162	986325	9957.4135	pg/ml			
PFUnA	3.824	732476	PFOA C13	3.162	986325	9920.9021	pg/ml			

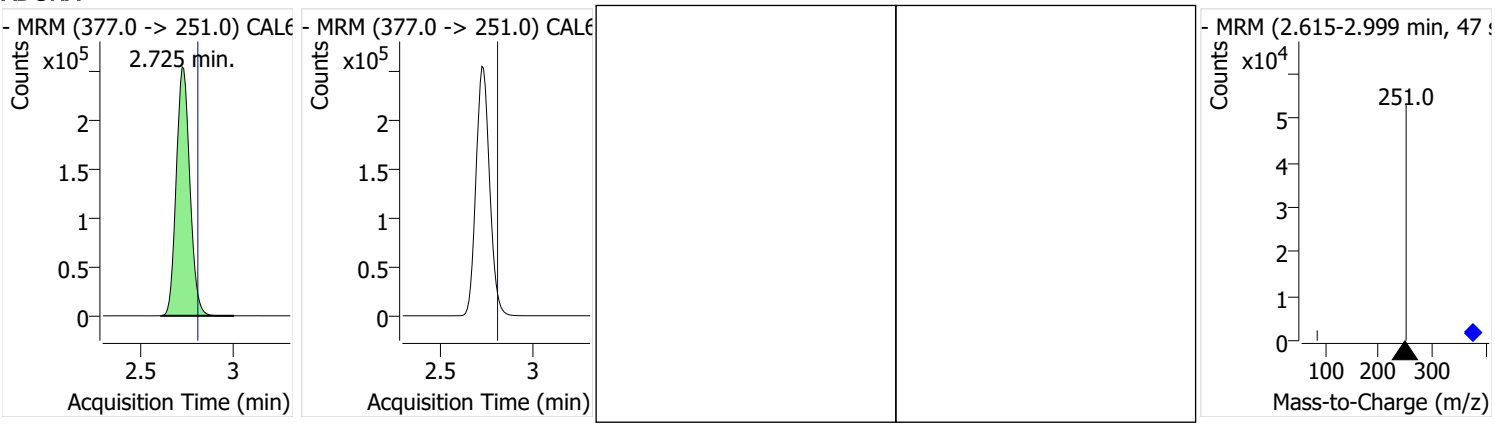
11Cl-PF3OUdS



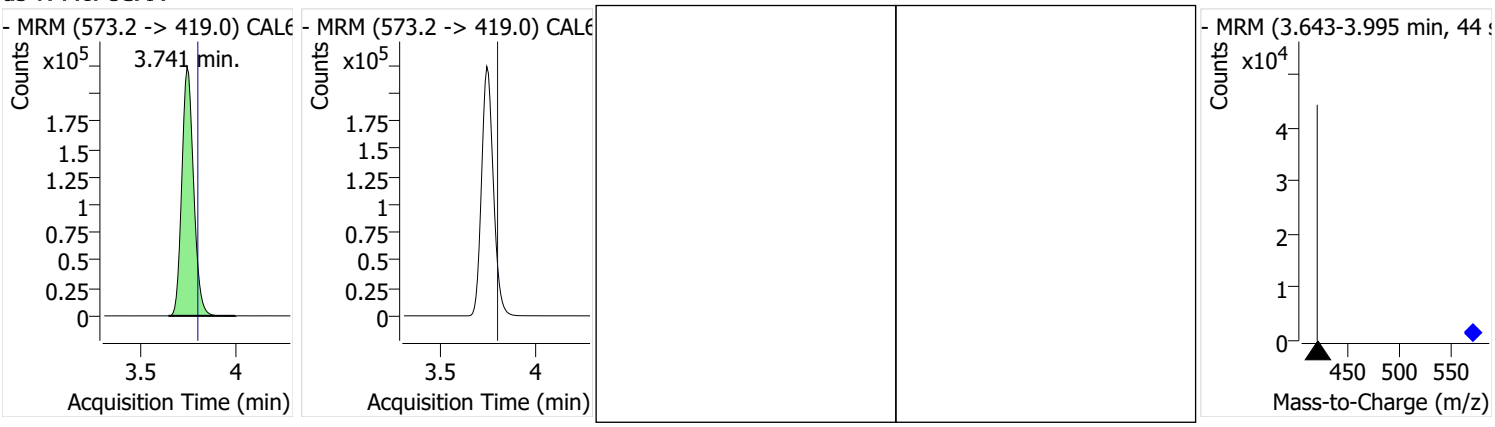
9Cl-PF3ONS



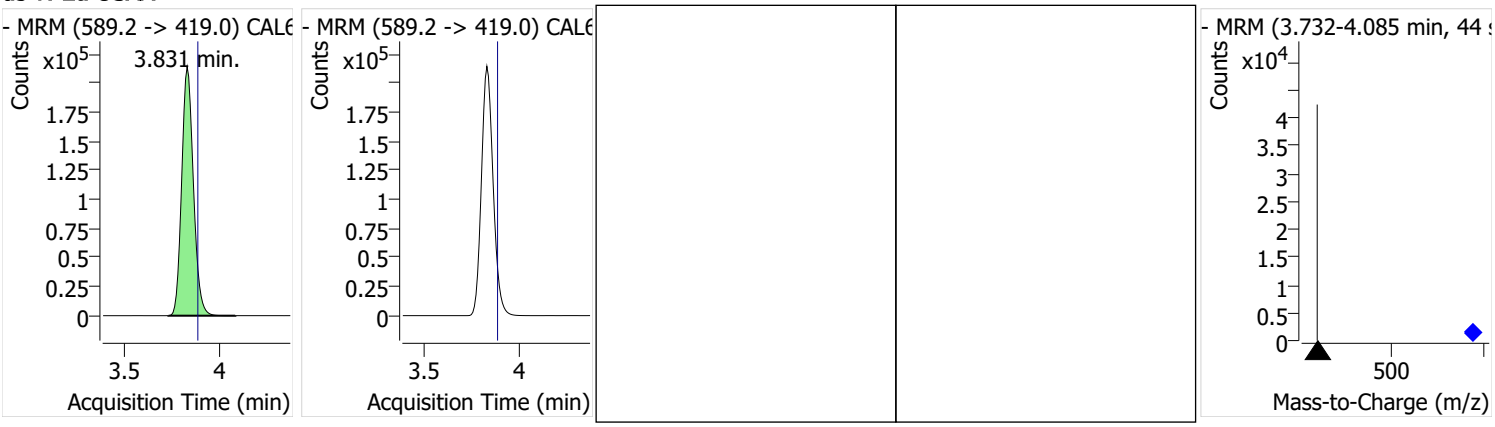
ADONA



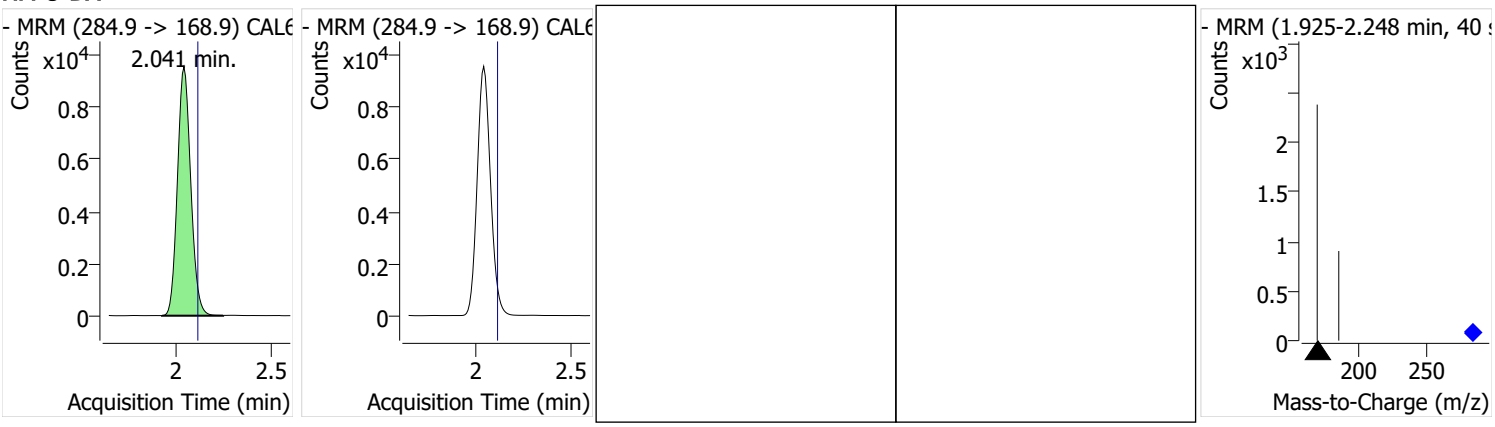
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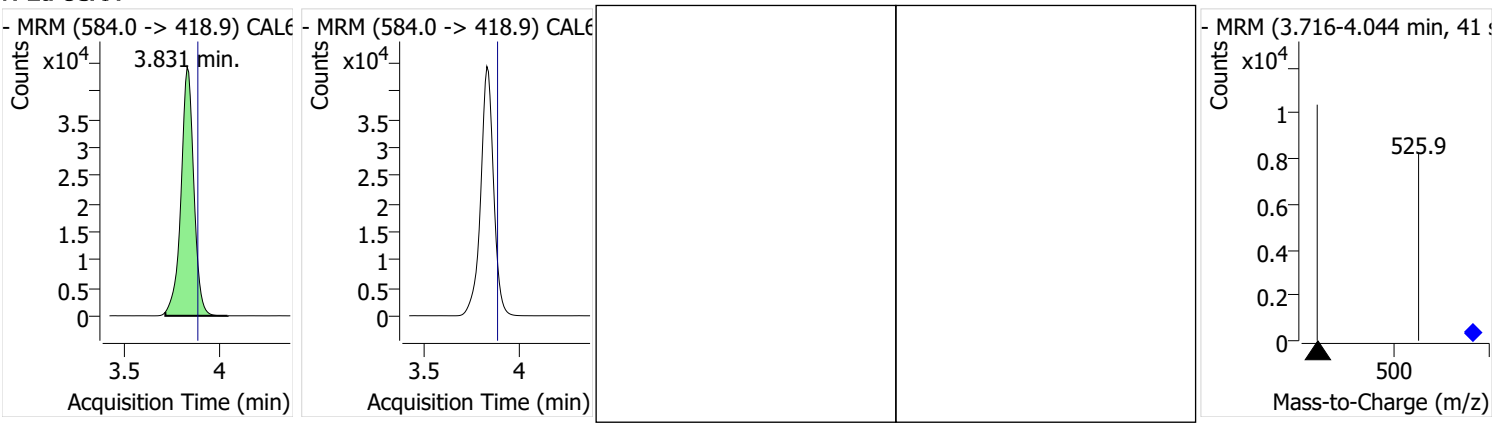
d5-N-EtFOSAA



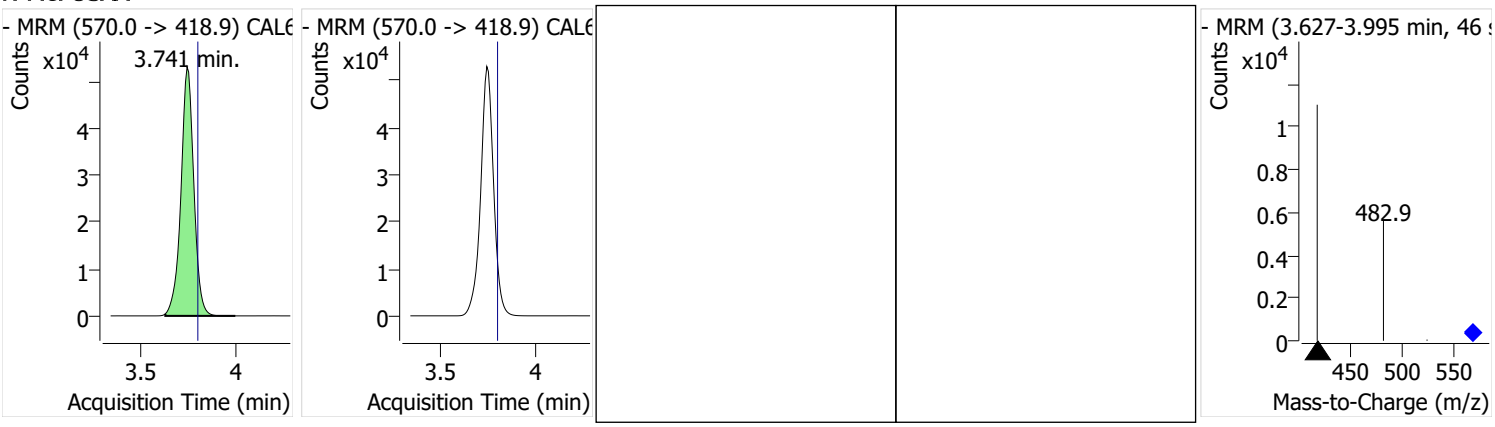
HFPO-DA



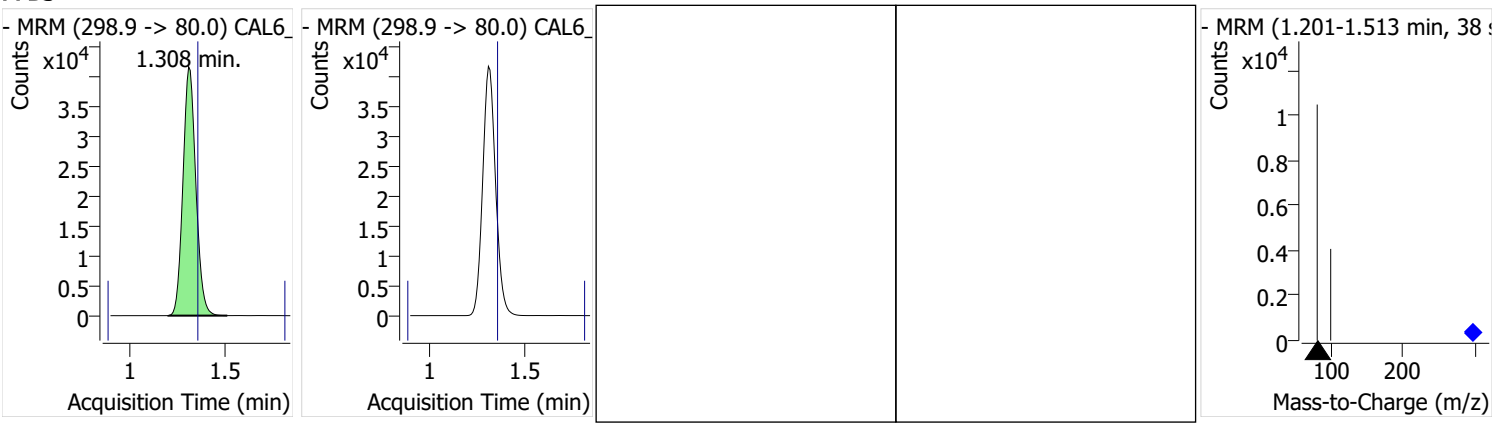
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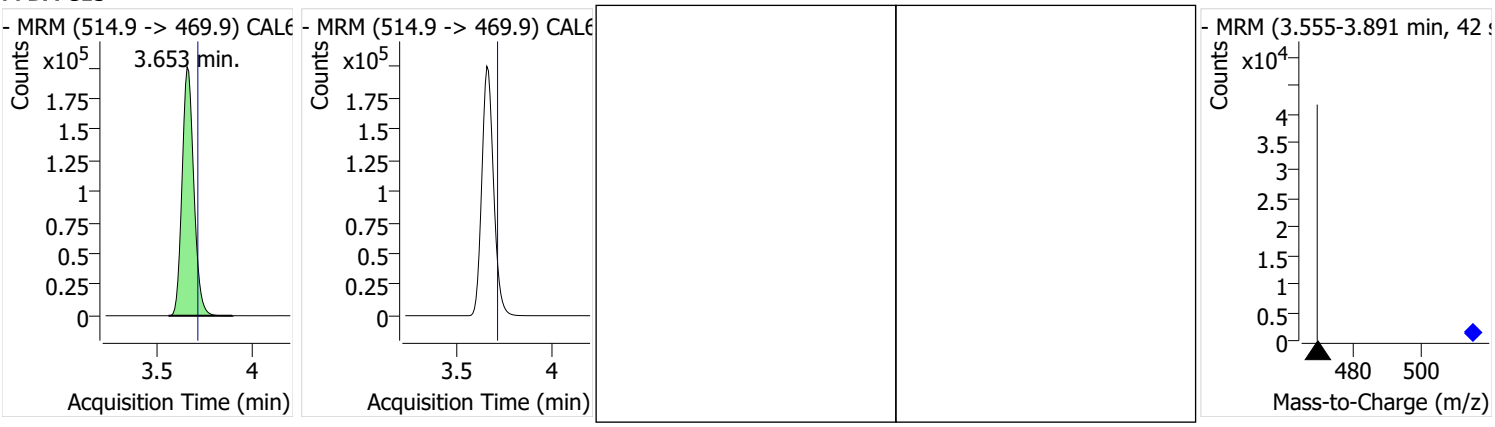
N-MeFOSAA



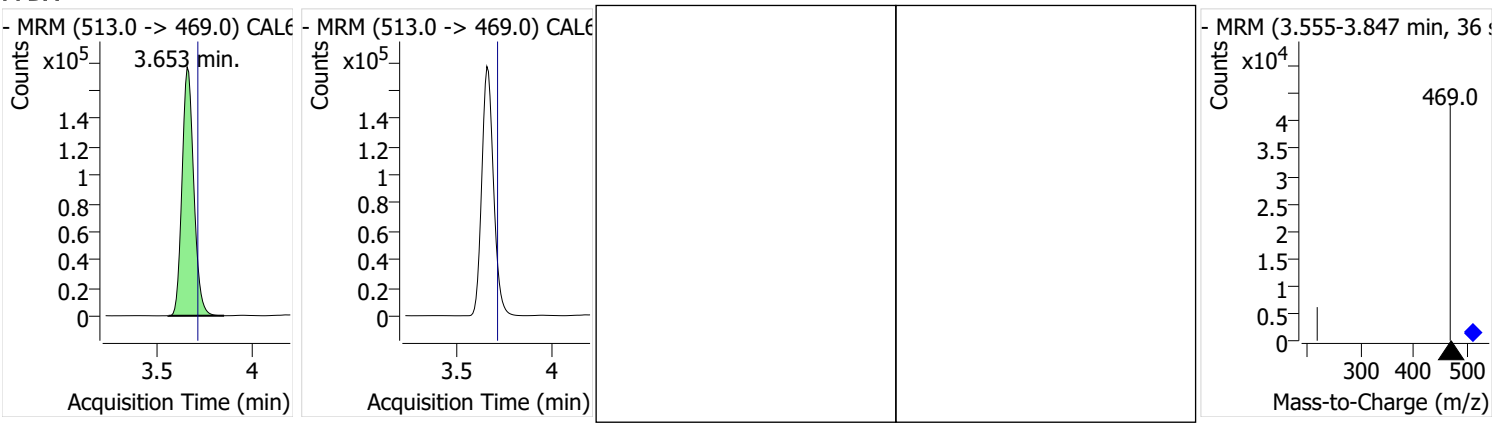
PFBS



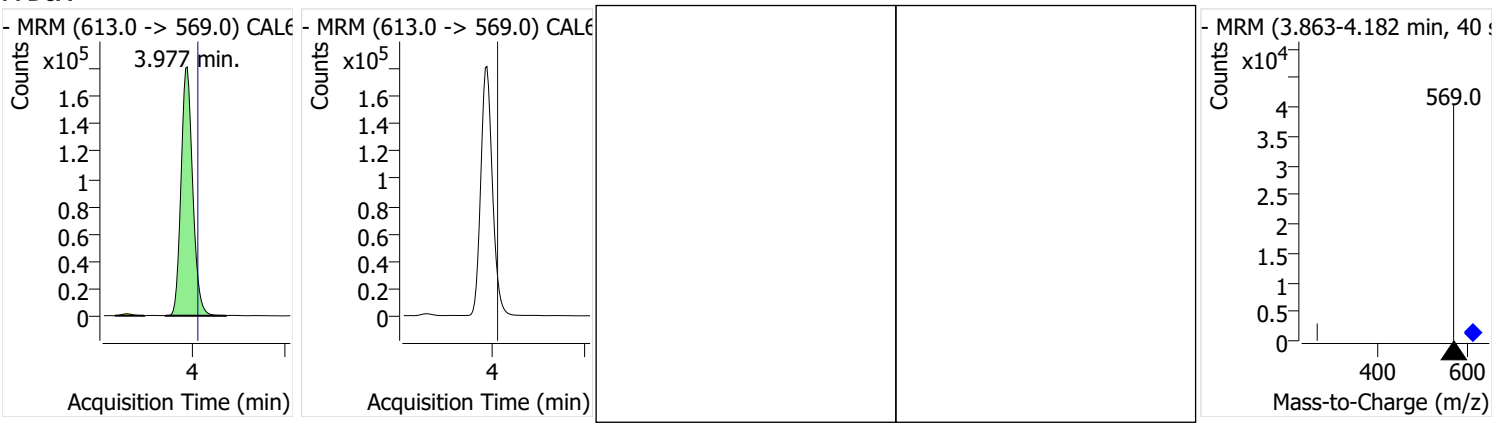
PFDA C13



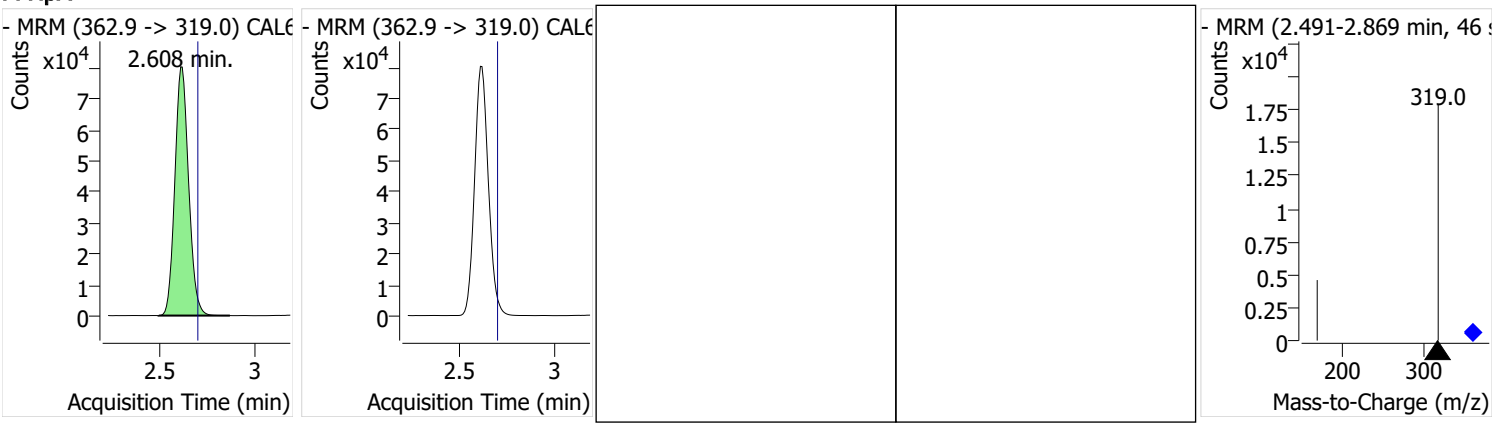
PFDA



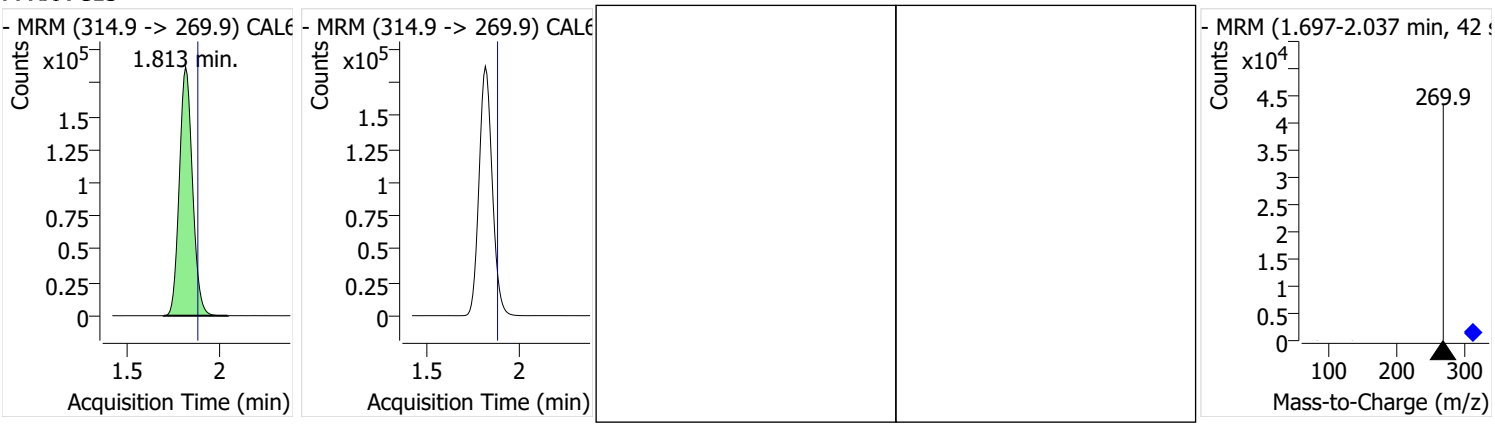
PFDoA



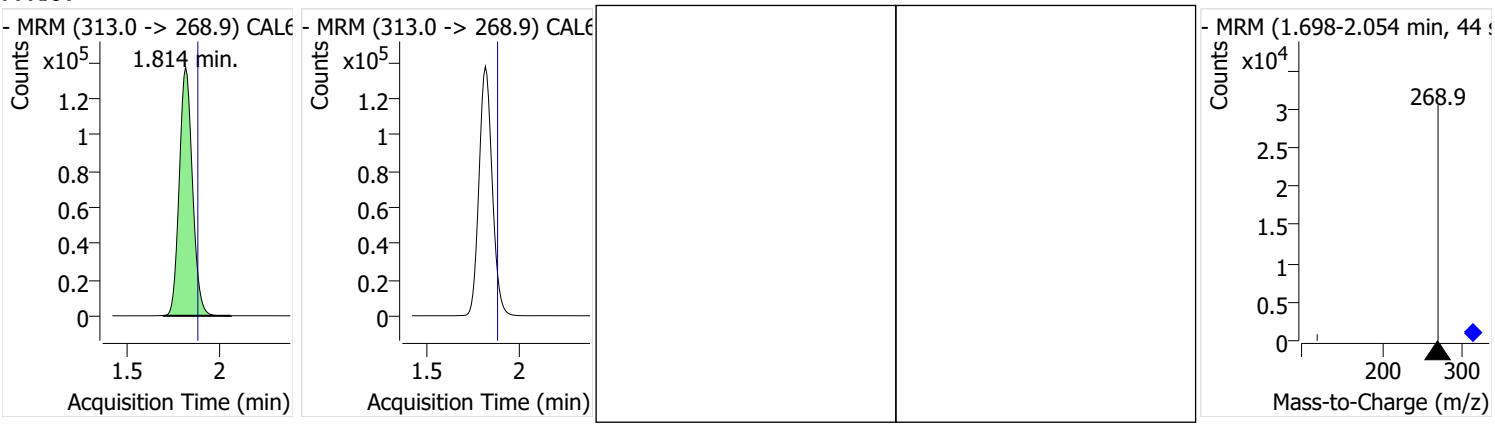
PFHpA



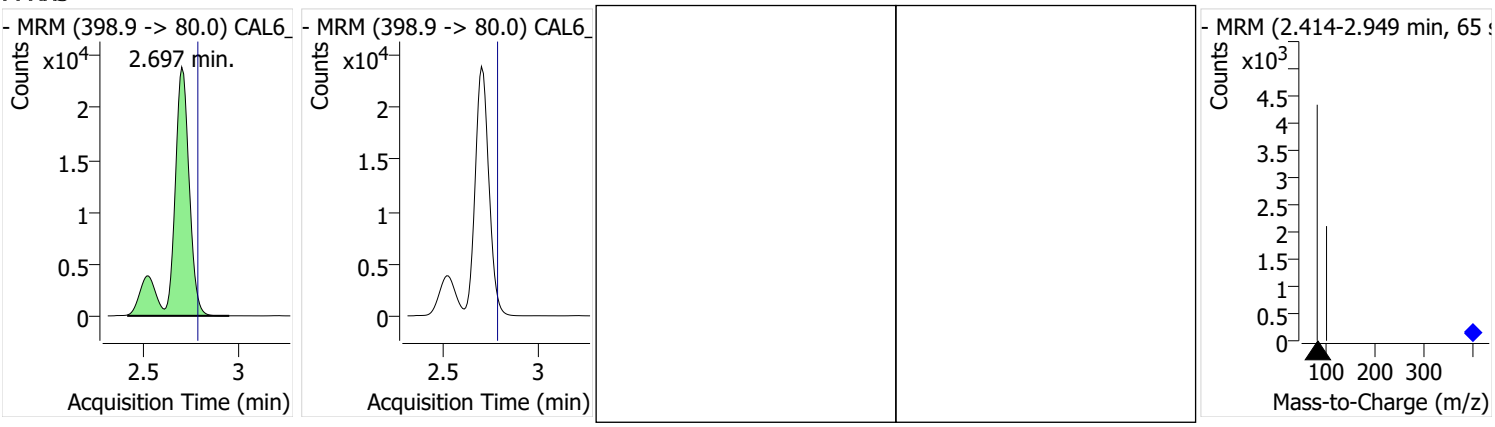
PFHxA C13



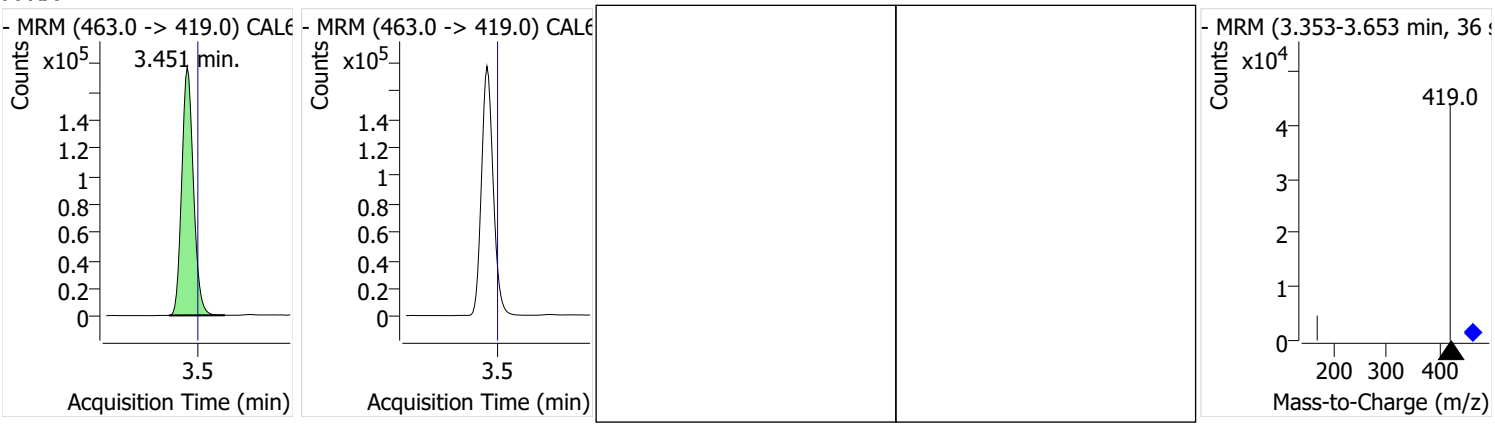
PFHxA



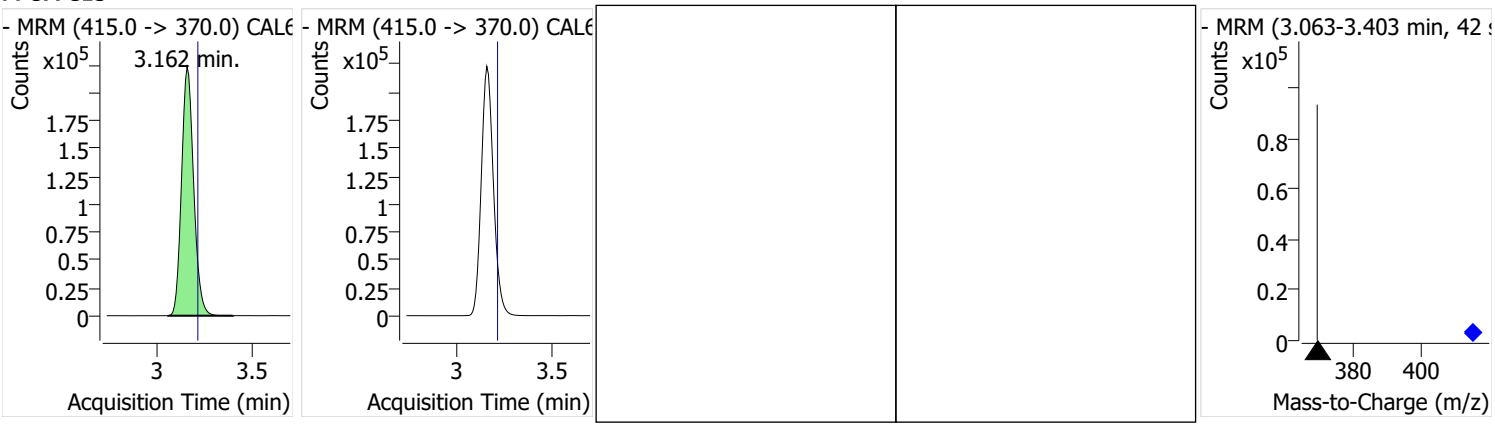
PFHxS



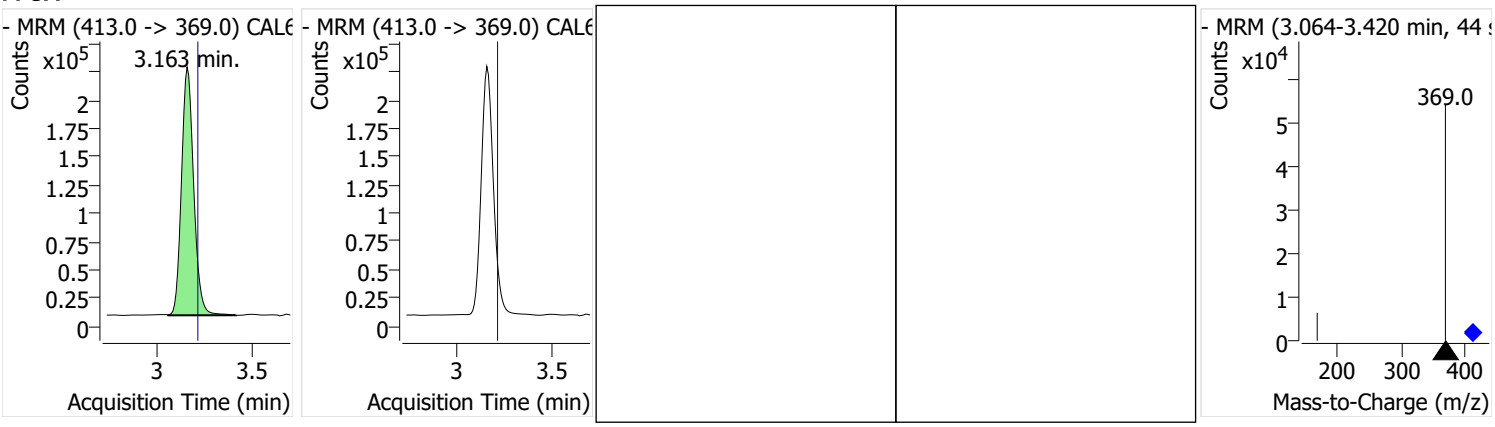
PFNA



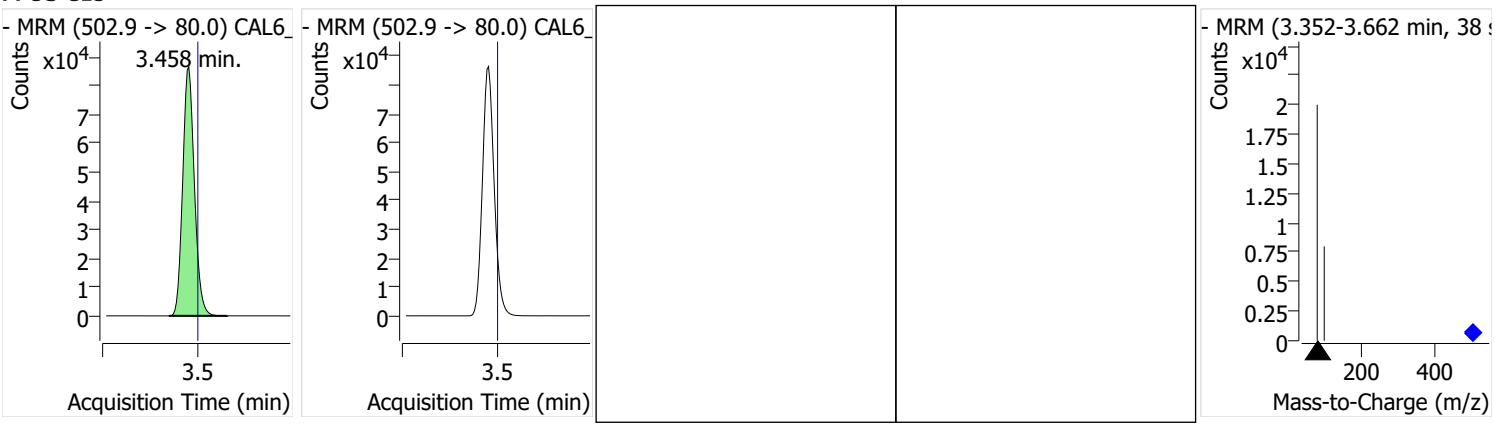
PFOA C13



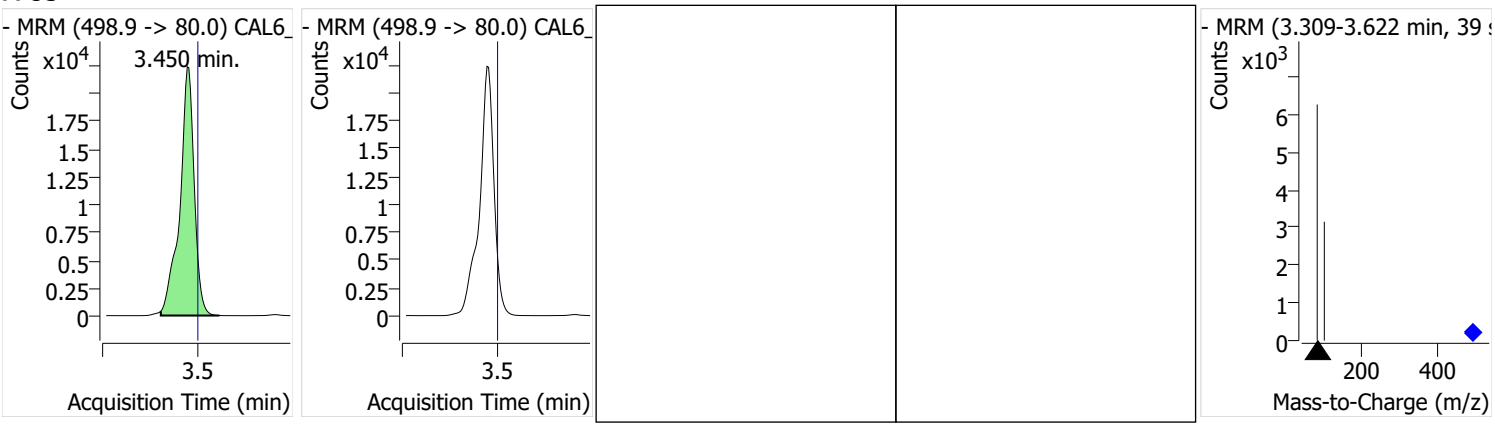
PFOA



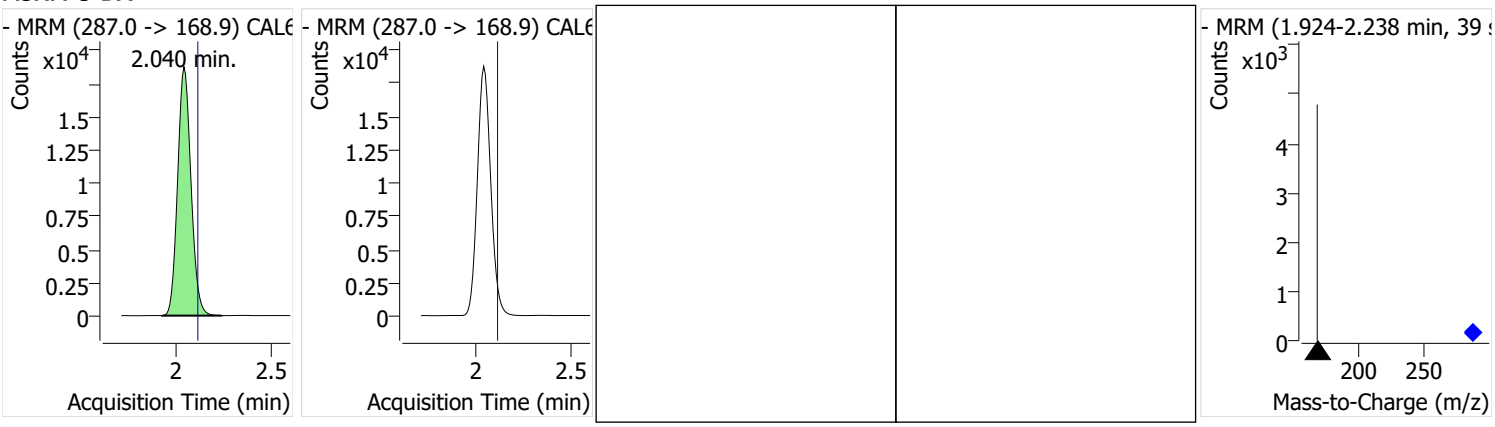
PFOS C13



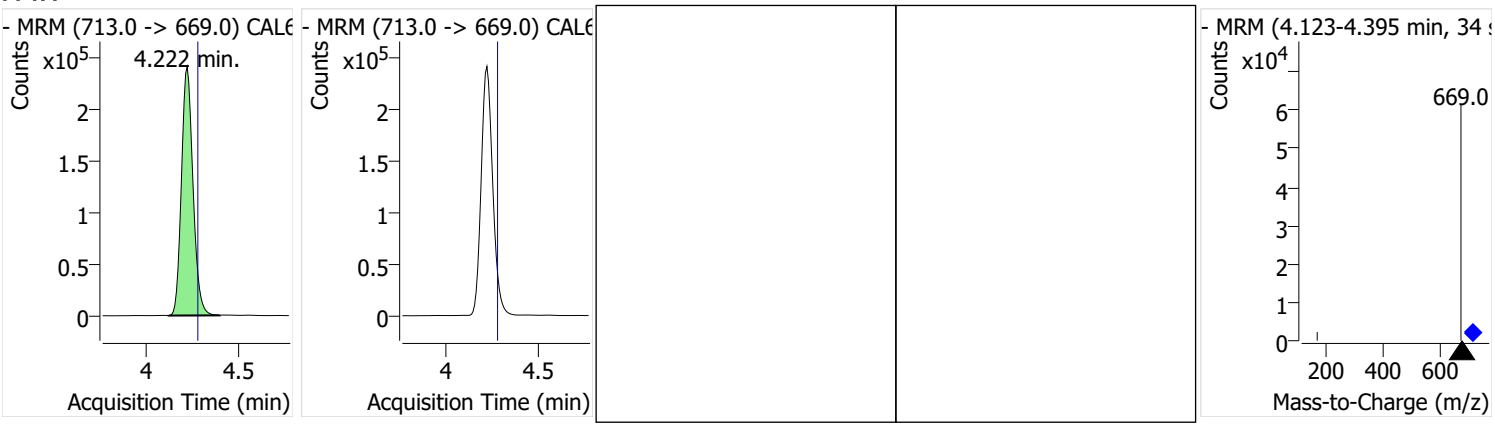
PFOS



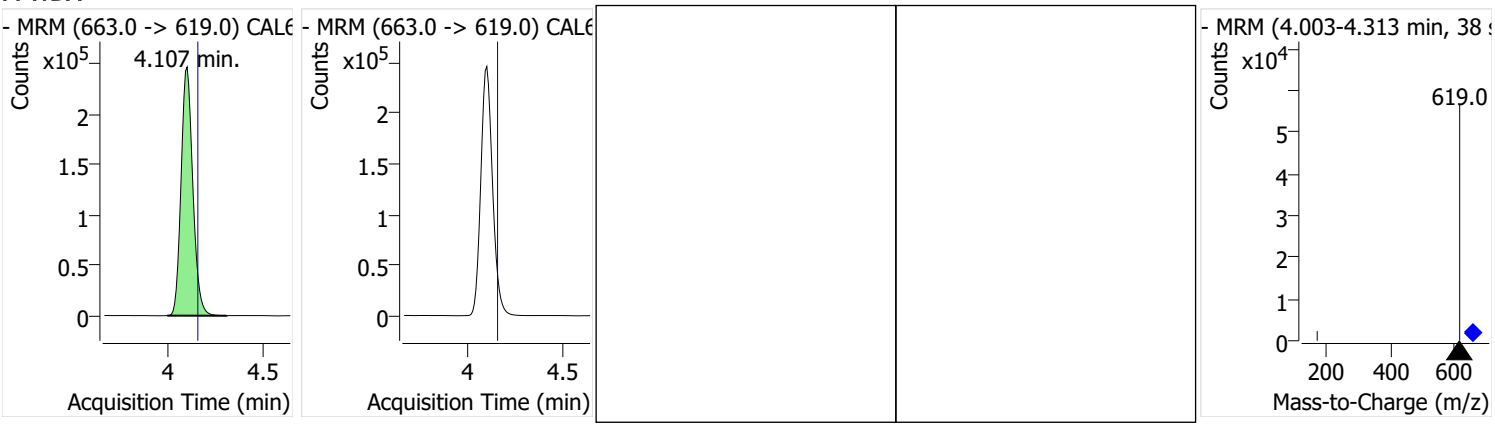
M3HFPO-DA



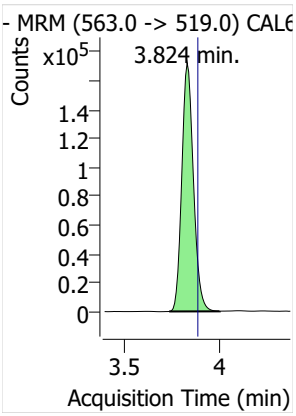
PFTA

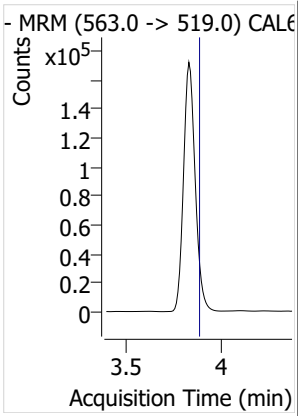


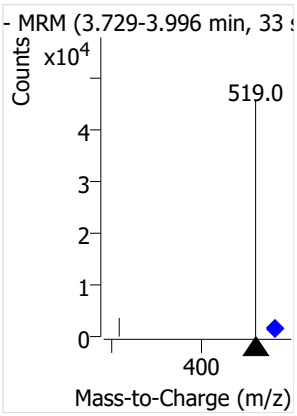
PFTrDA



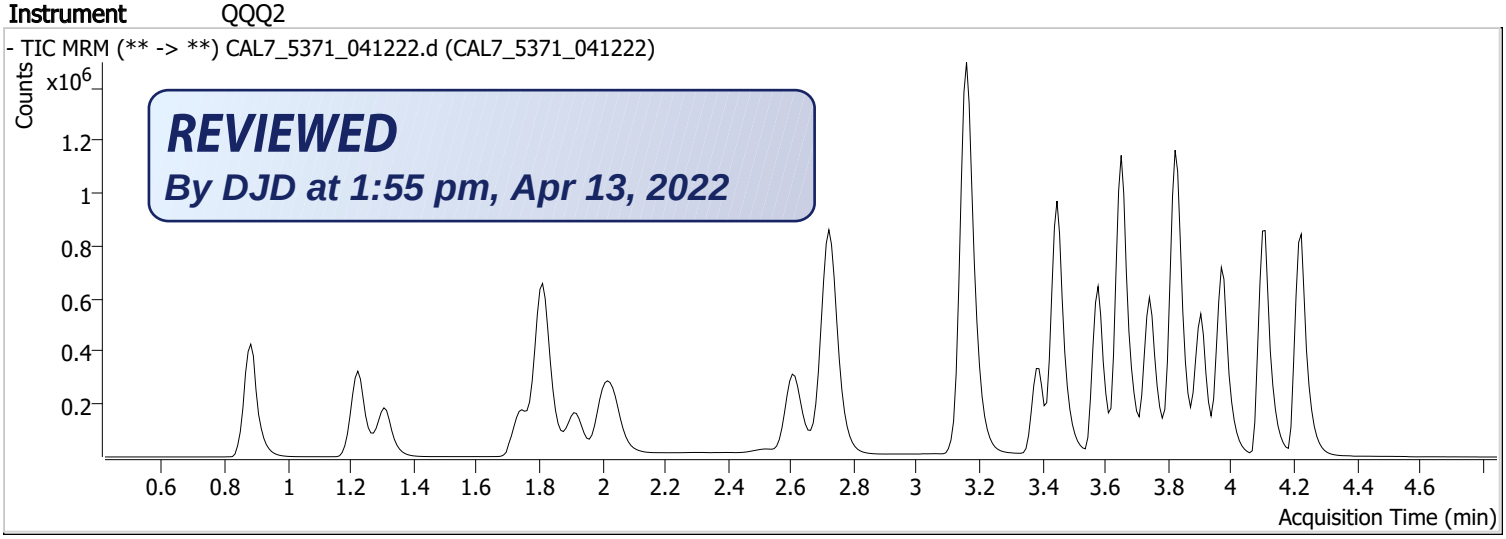
PFUnA


- MRM (563.0 -> 519.0) CAL6
Counts
x10^5
3.824 min.
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL6
Counts
x10^5
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3.5
4
Acquisition Time (min)

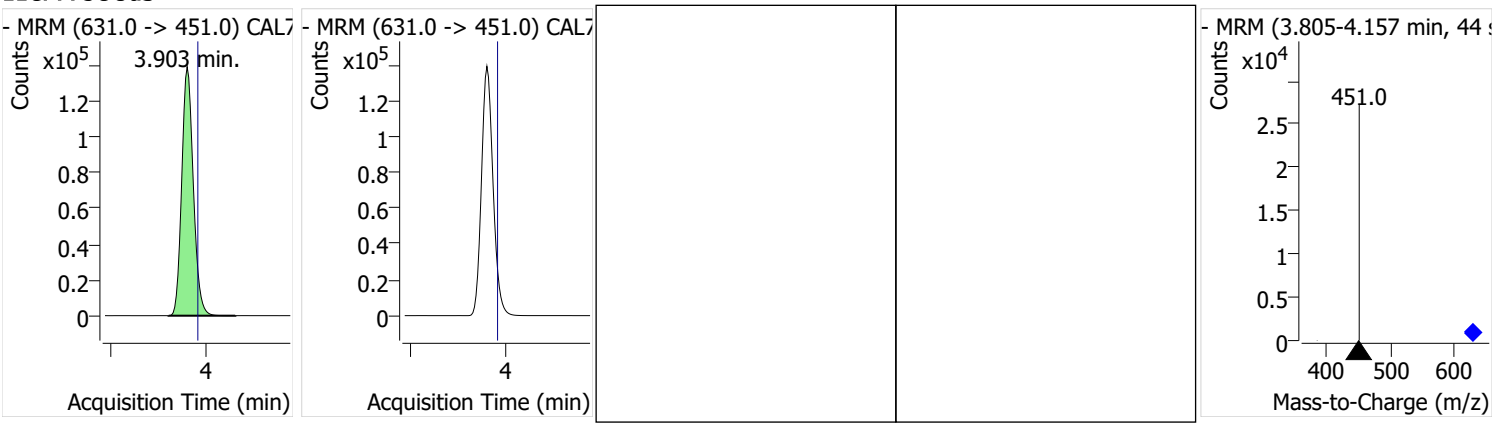

- MRM (3.729-3.996 min, 33
Counts
x10^4
519.0
4
3
2
1
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 4:08 PM	**Data File**	CAL7_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL7_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203538	**Processing method**	5371_041222.m
Instrument	QQQ2		

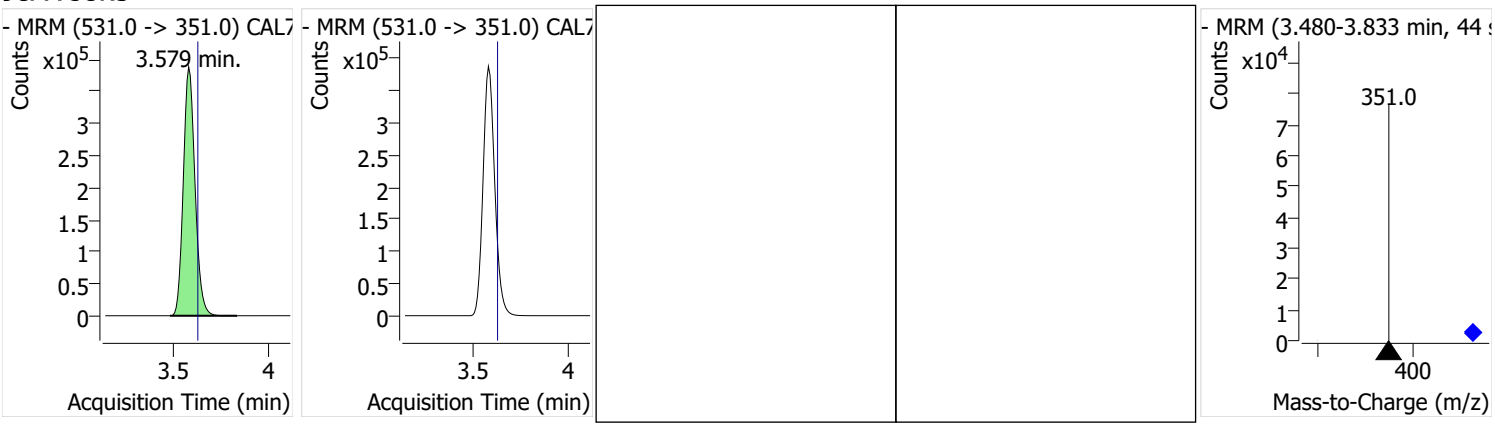


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	587320	PFOS C13	3.458	294288	24824.5583	pg/ml			
9Cl-PF3ONS	3.579	1651324	PFOS C13	3.458	294288	23941.8634	pg/ml			
ADONA	2.725	2791353	PFOA C13	3.162	802380	23740.2945	pg/ml			
d5-N-EtFOSAA	3.831	704788	d3-N-MeFOSAA	3.741	790745	38502.8586	pg/ml			
HFPO-DA	2.041	107644	PFOA C13	3.162	802380	25259.3753	pg/ml			
N-EtFOSAA	3.831	441503	d3-N-MeFOSAA	3.741	790745	25876.7113	pg/ml			
N-MeFOSAA	3.741	558884	d3-N-MeFOSAA	3.741	790745	25738.9321	pg/ml			
PFBS	1.308	436963	PFOS C13	3.458	294288	22667.7178	pg/ml			
PFDA C13	3.653	679543	PFOA C13	3.162	802380	9823.7404	pg/ml			
PFDA	3.653	1604376	PFOA C13	3.162	802380	25367.0764	pg/ml			
PFDoA	3.977	1694159	PFOA C13	3.162	802380	25262.5900	pg/ml			
PFHpA	2.608	902758	PFOA C13	3.162	802380	25369.9476	pg/ml			
PFHxA C13	1.813	756578	PFOA C13	3.162	802380	10304.7320	pg/ml			
PFHxA	1.814	1479620	PFOA C13	3.162	802380	25363.4804	pg/ml			
PFHxS	2.697	317103	PFOS C13	3.458	294288	23545.3169	pg/ml			
PFNA	3.451	1659349	PFOA C13	3.162	802380	25922.9962	pg/ml			
PFOA	3.163	2114017	PFOA C13	3.162	802380	25130.5905	pg/ml			
PFOS	3.450	251765	PFOS C13	3.458	294288	23531.8317	pg/ml			
M3HFPO-DA	2.040	76692	PFOA C13	3.162	802380	10270.4531	pg/ml			
PFTA	4.222	2134150	PFOA C13	3.162	802380	24944.6907	pg/ml			
PFTrDA	4.107	2203902	PFOA C13	3.162	802380	24992.6836	pg/ml			
PFUnA	3.824	1494451	PFOA C13	3.162	802380	25009.3207	pg/ml			

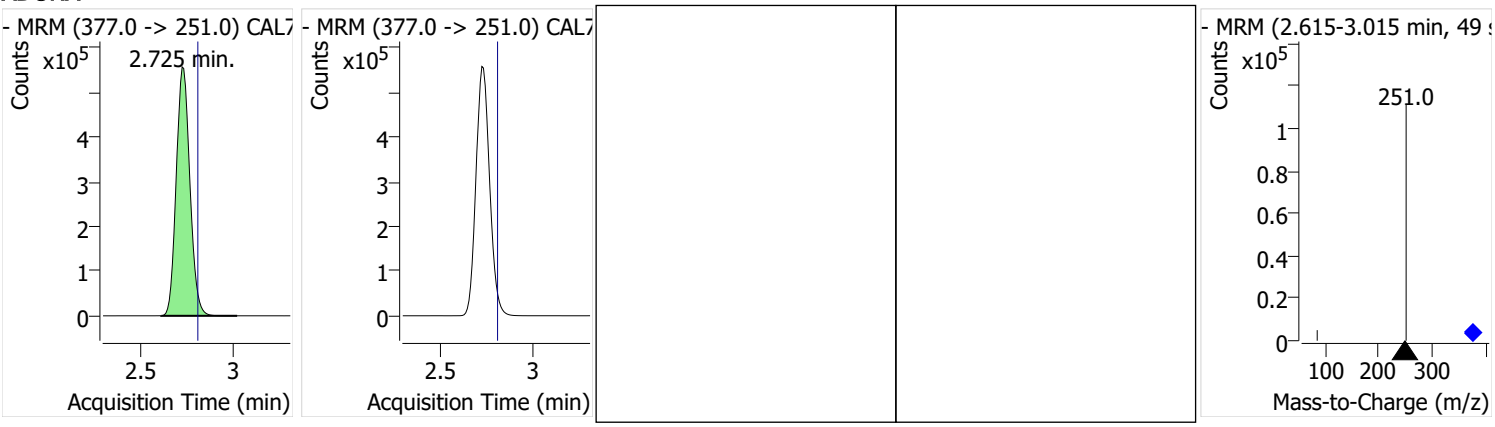
11Cl-PF3OUdS



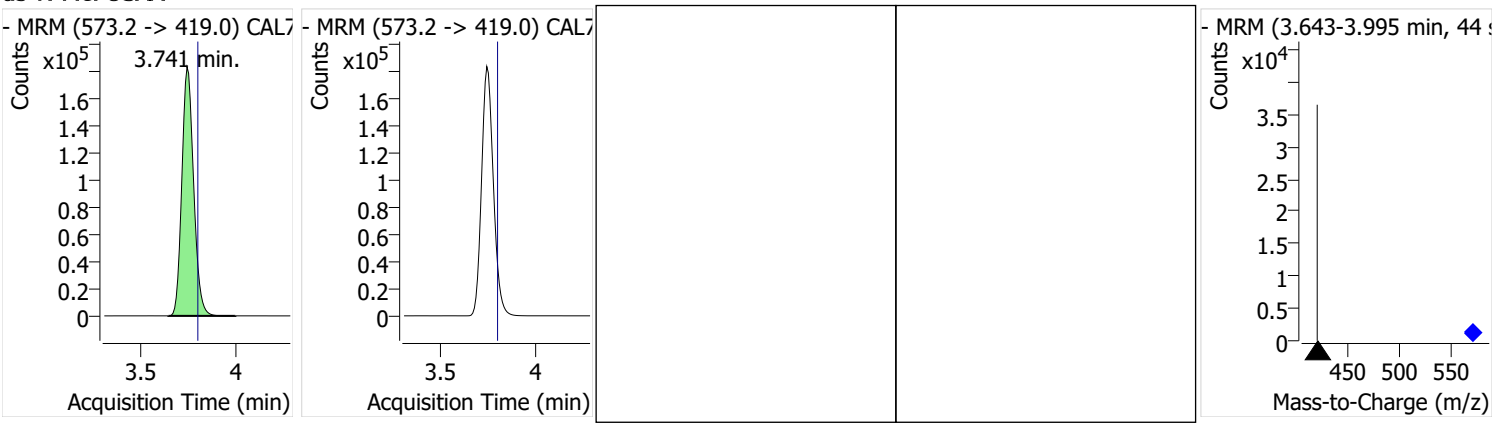
9Cl-PF3ONS



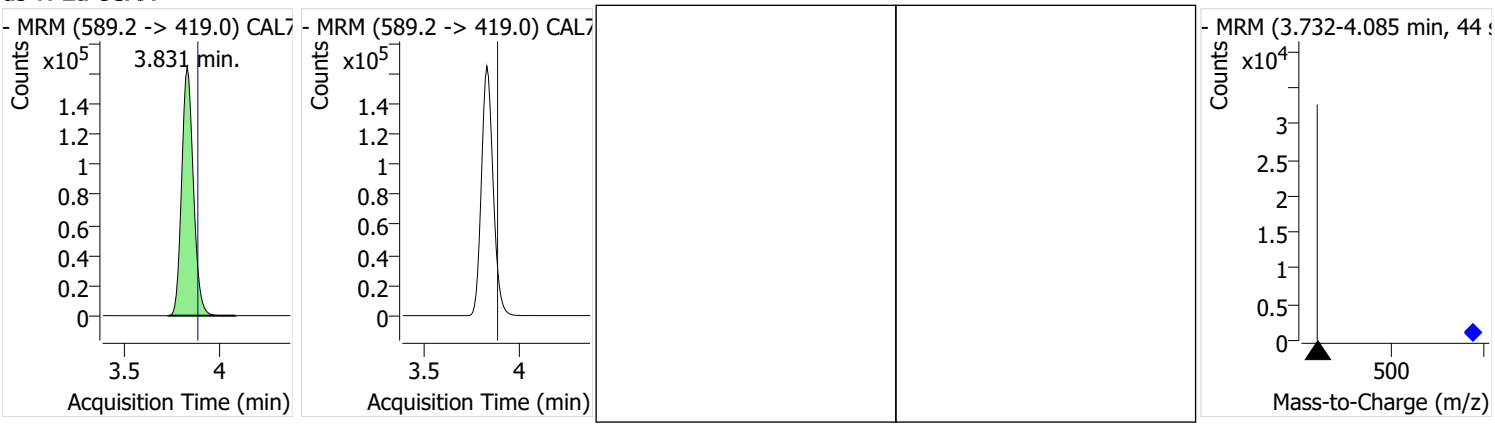
ADONA



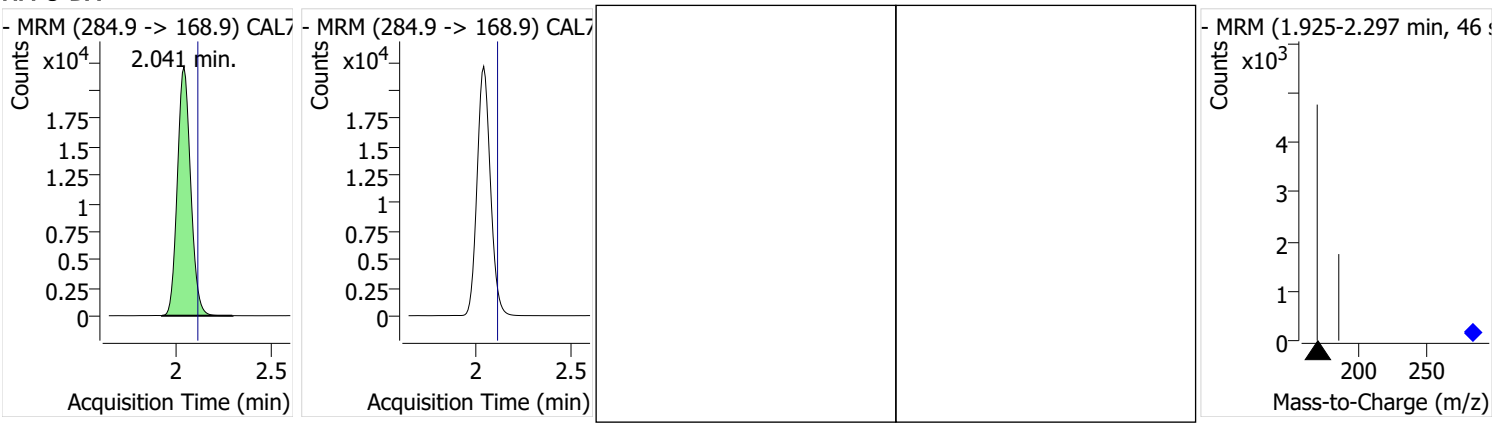
d3-N-MeFOSAA



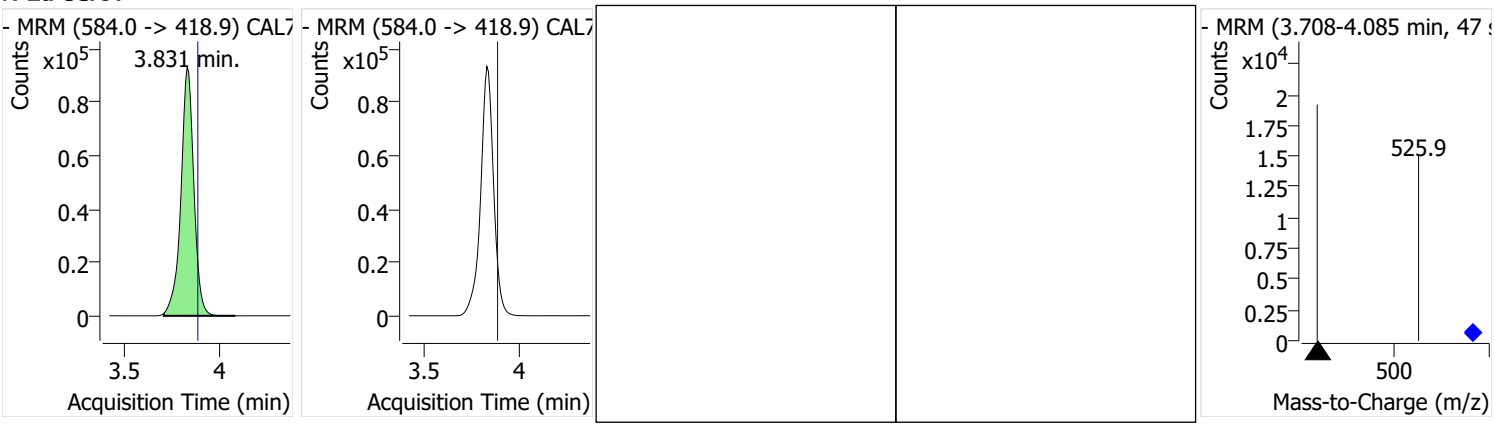
d5-N-EtFOSAA



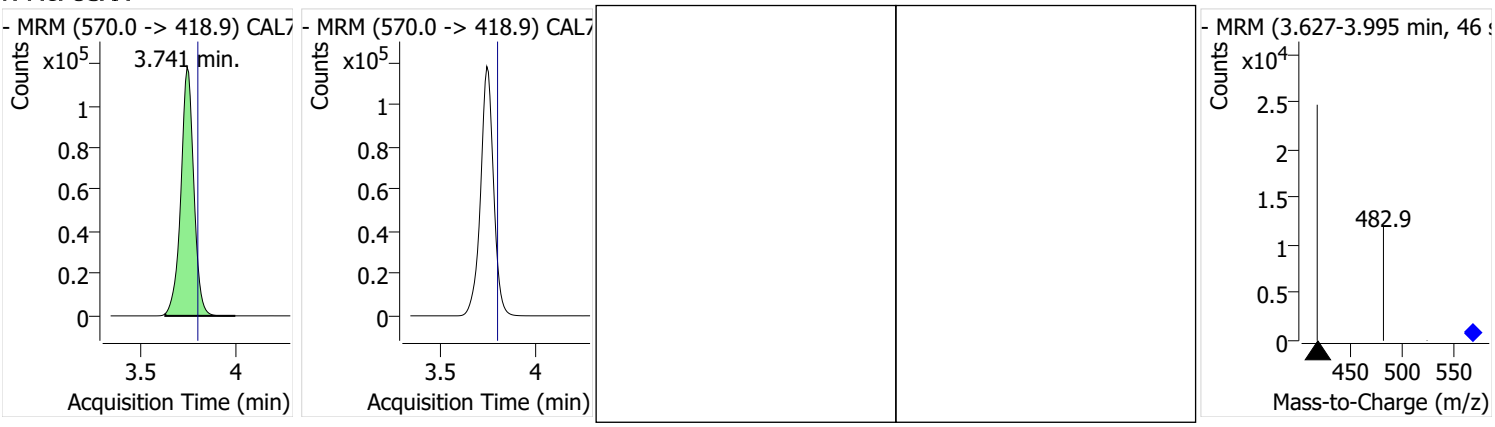
HFPO-DA



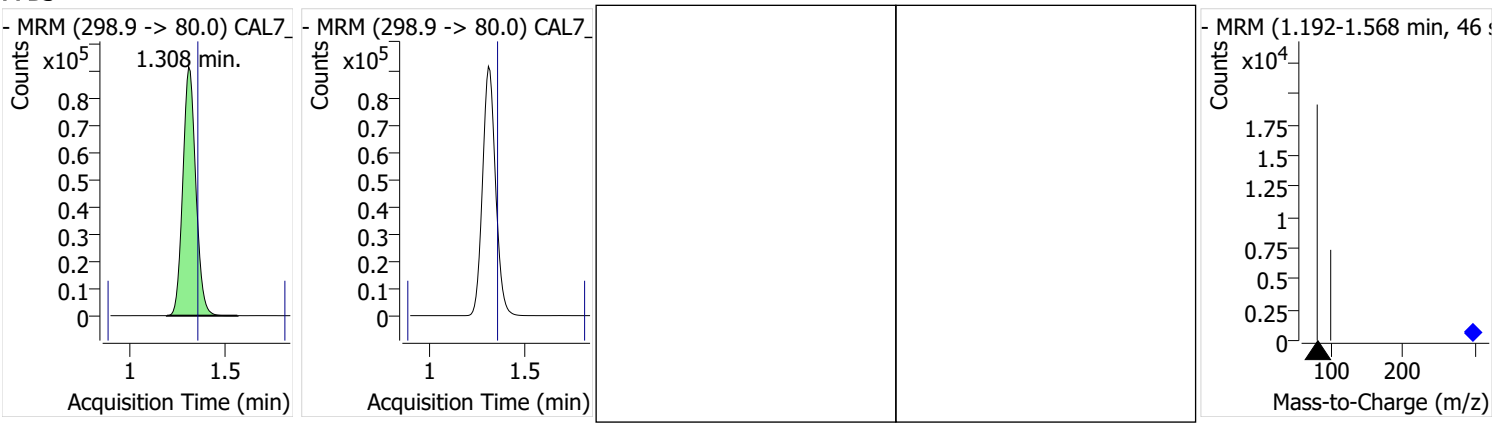
N-EtFOSAA



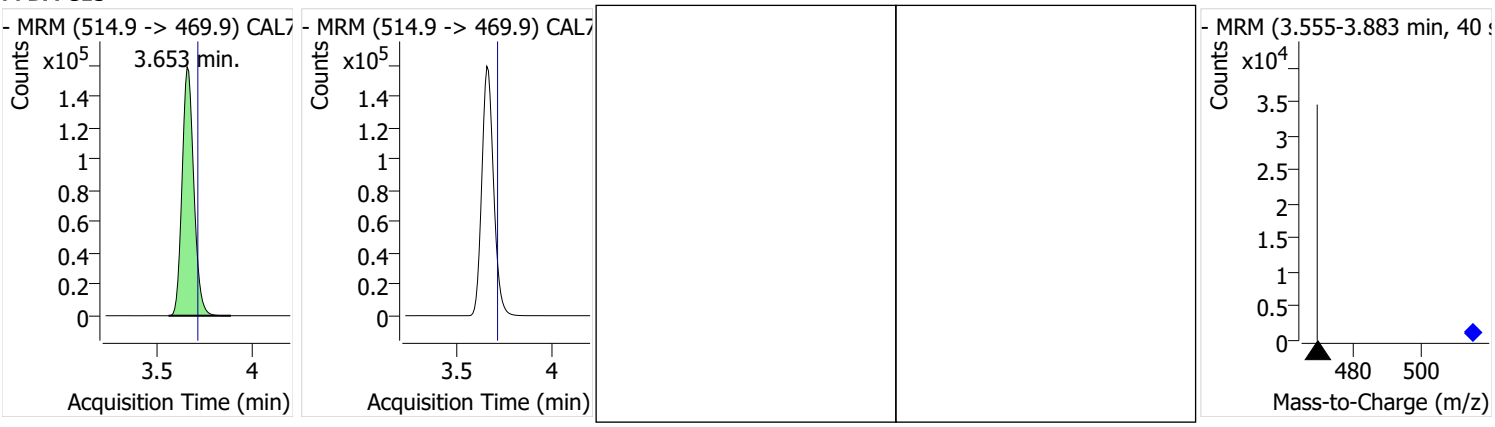
N-MeFOSAA



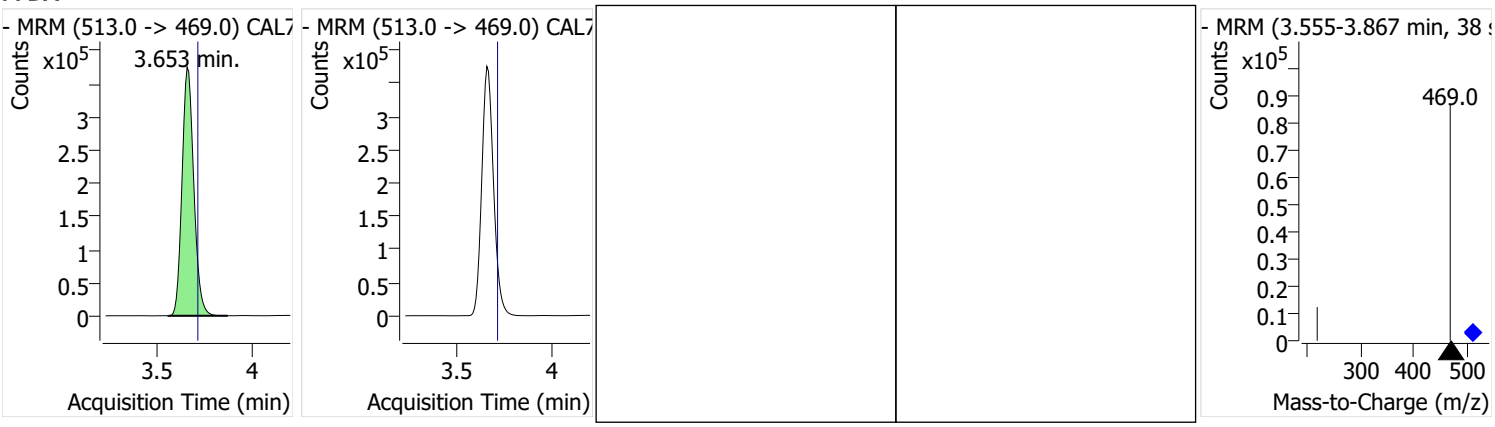
PFBS



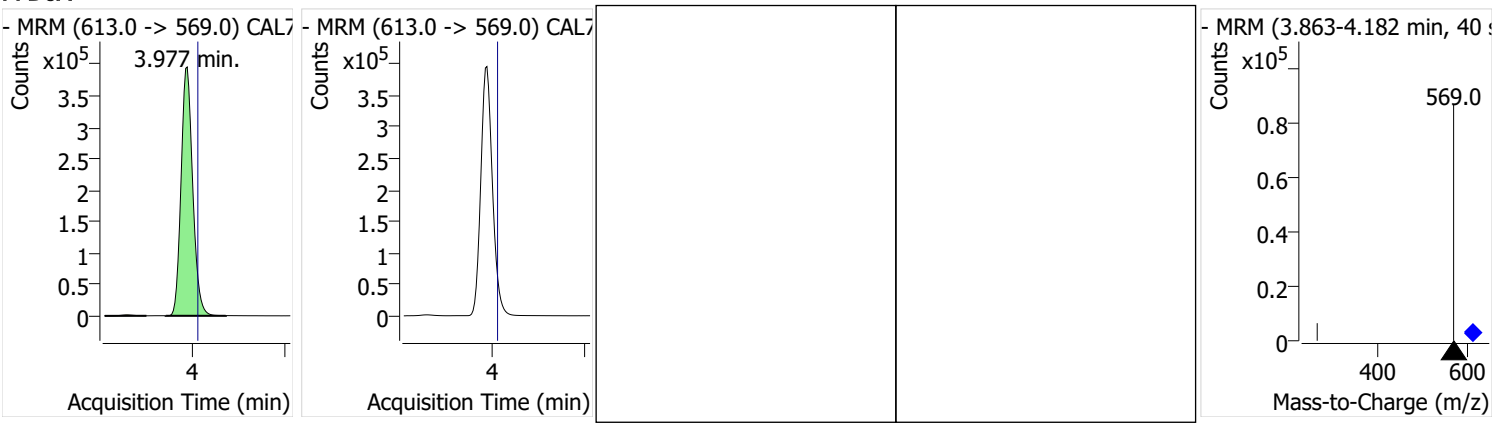
PFDA C13



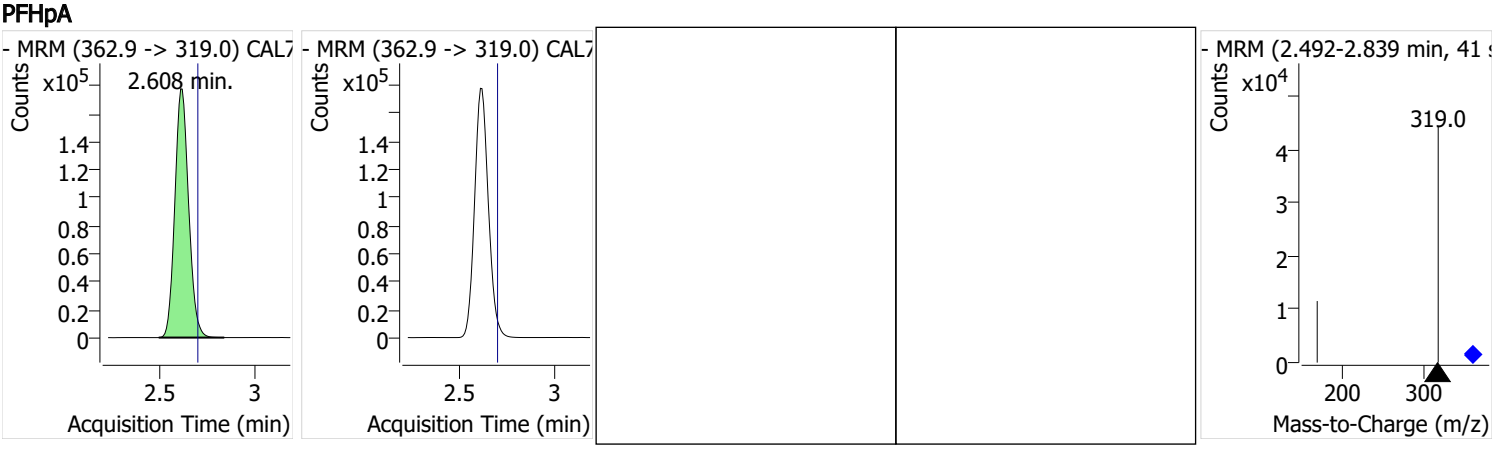
PFDA



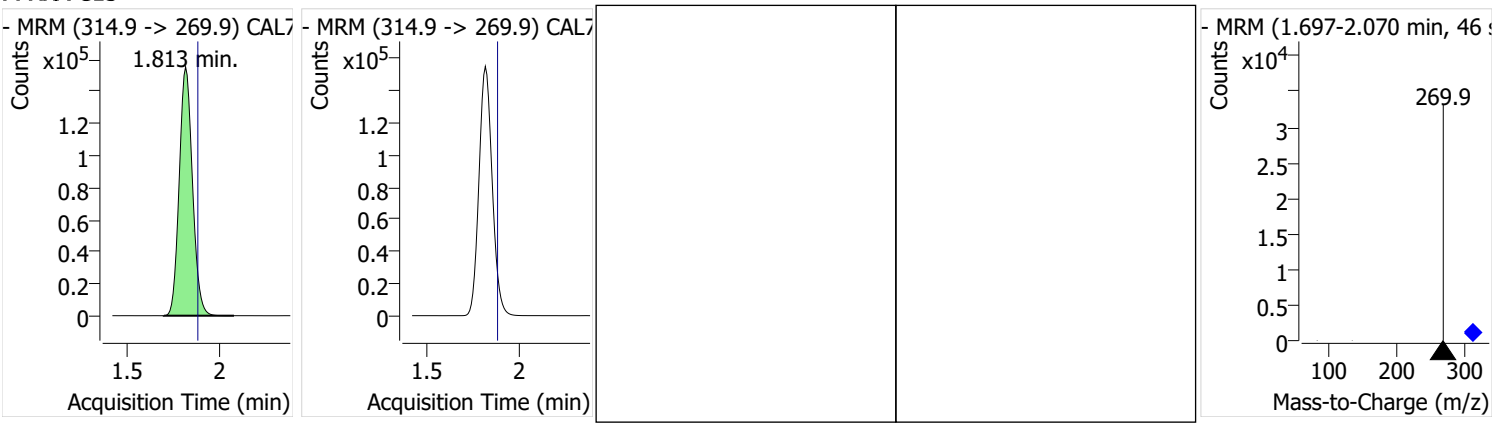
PFDoA



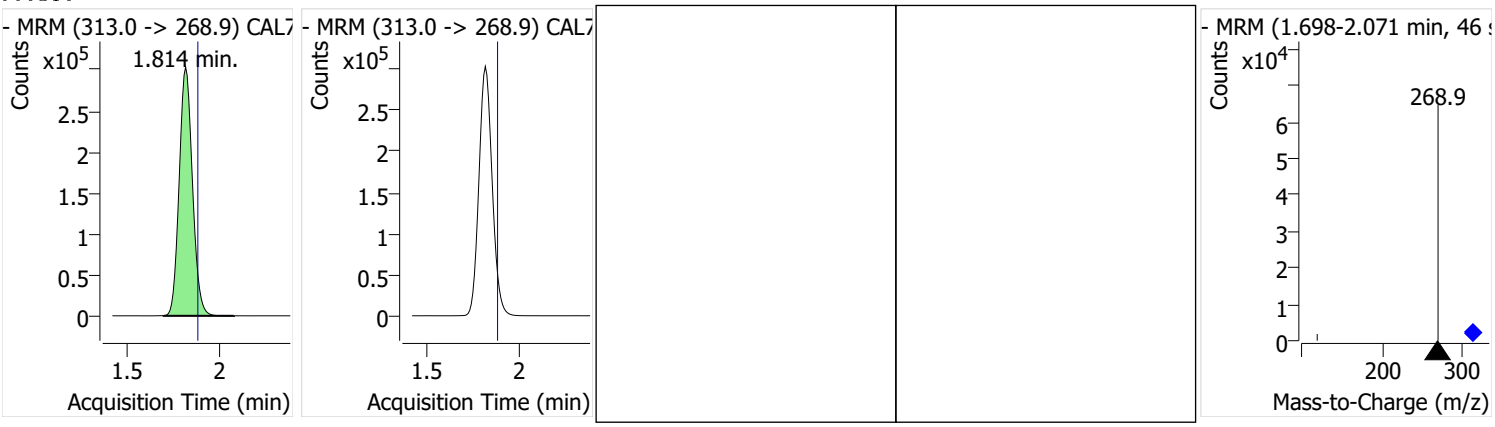
PFHpA



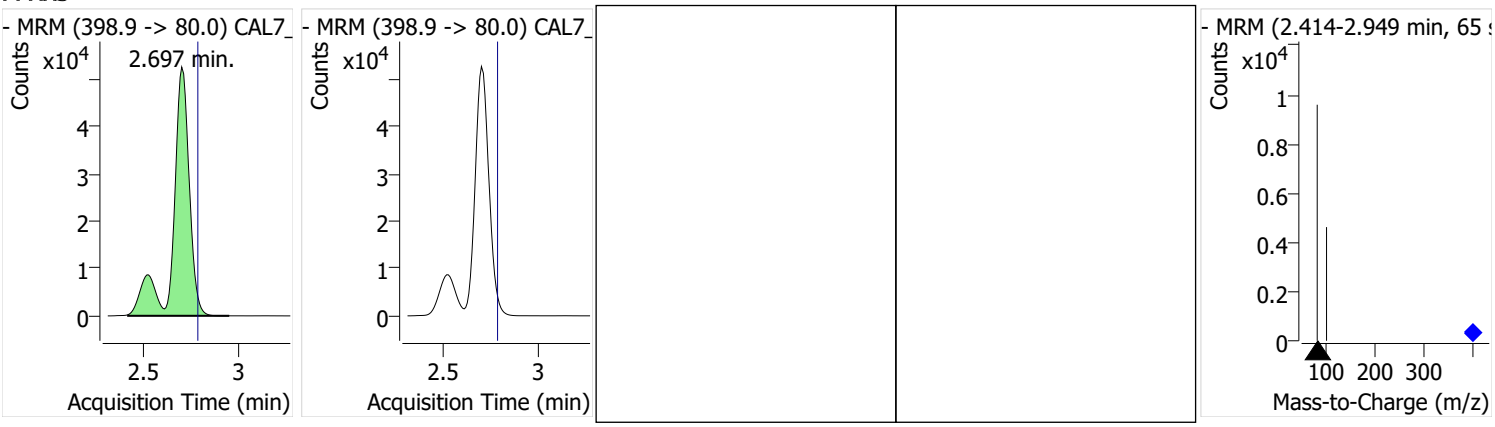
PFHxA C13



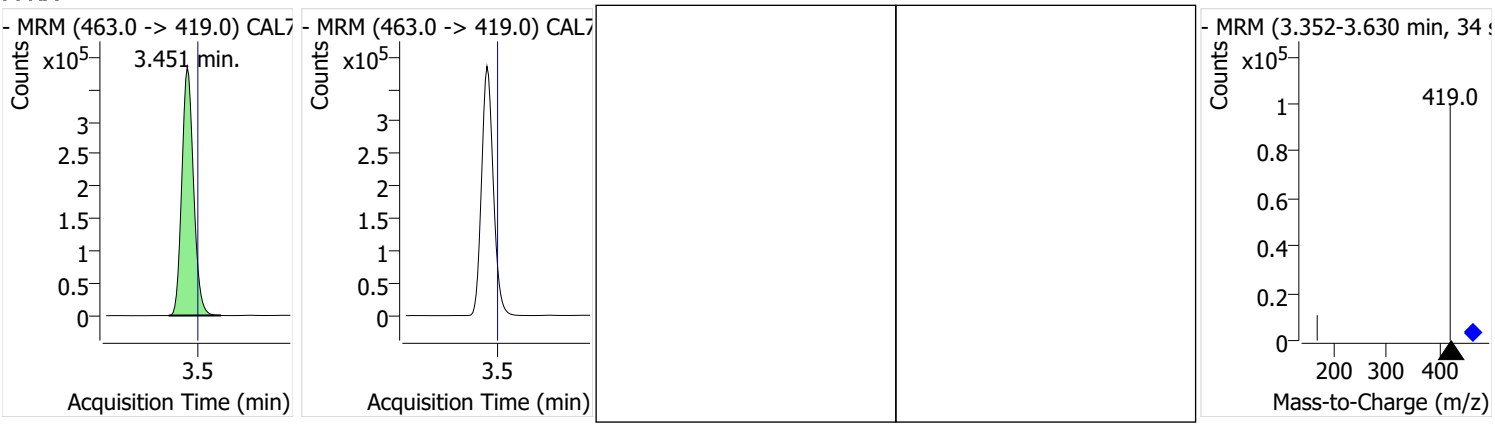
PFHxA



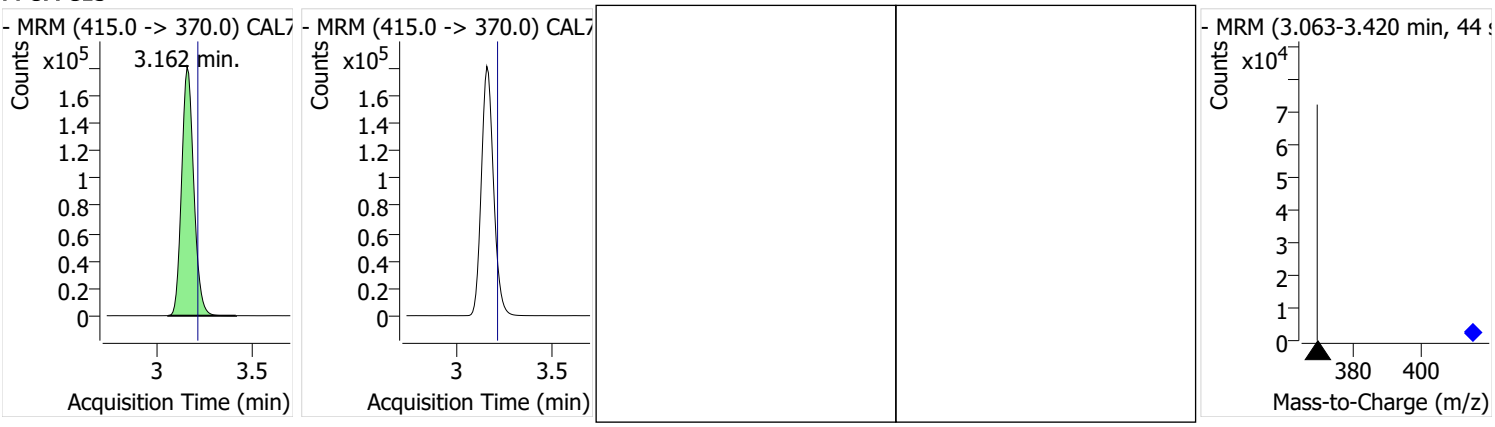
PFHxS



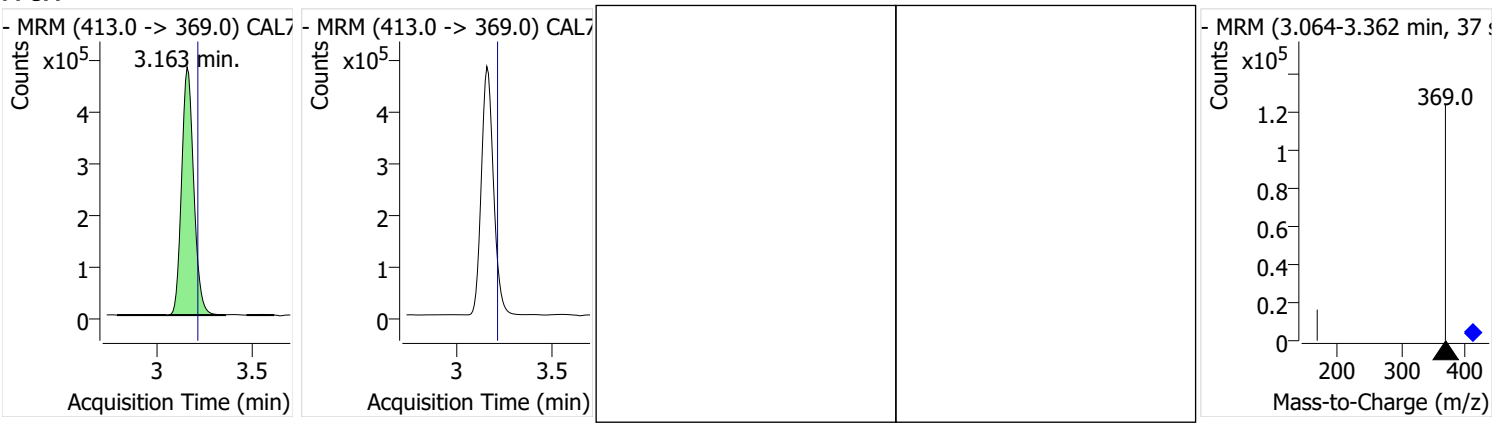
PFNA



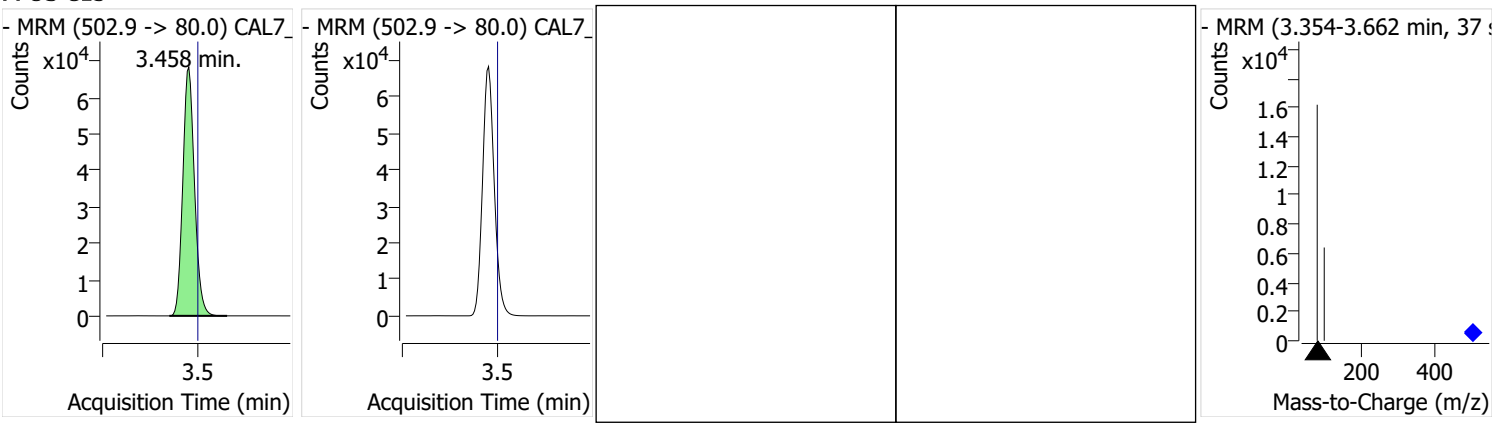
PFOA C13



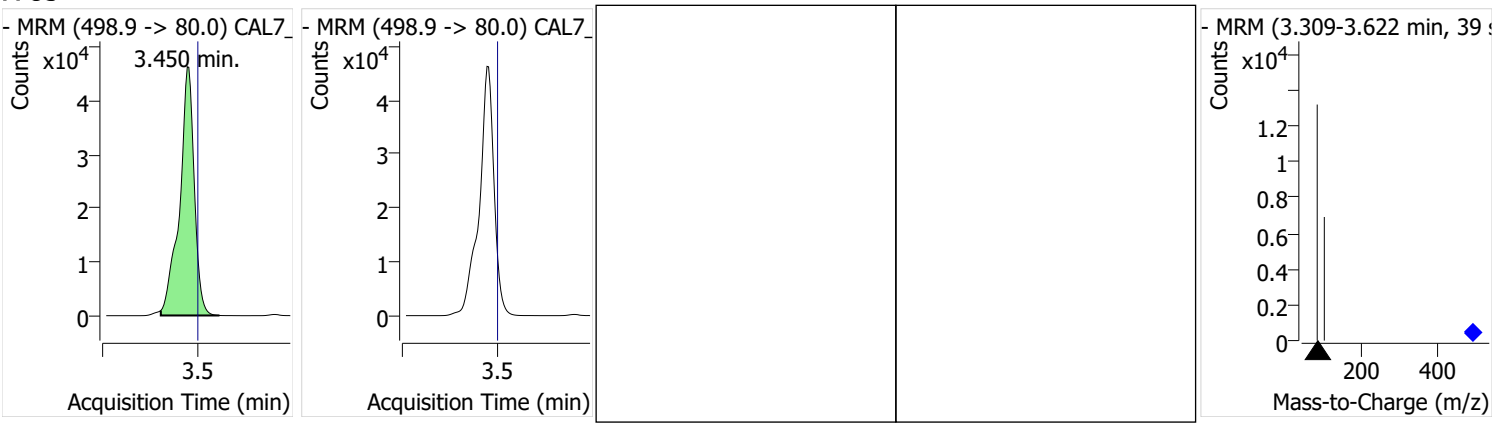
PFOA



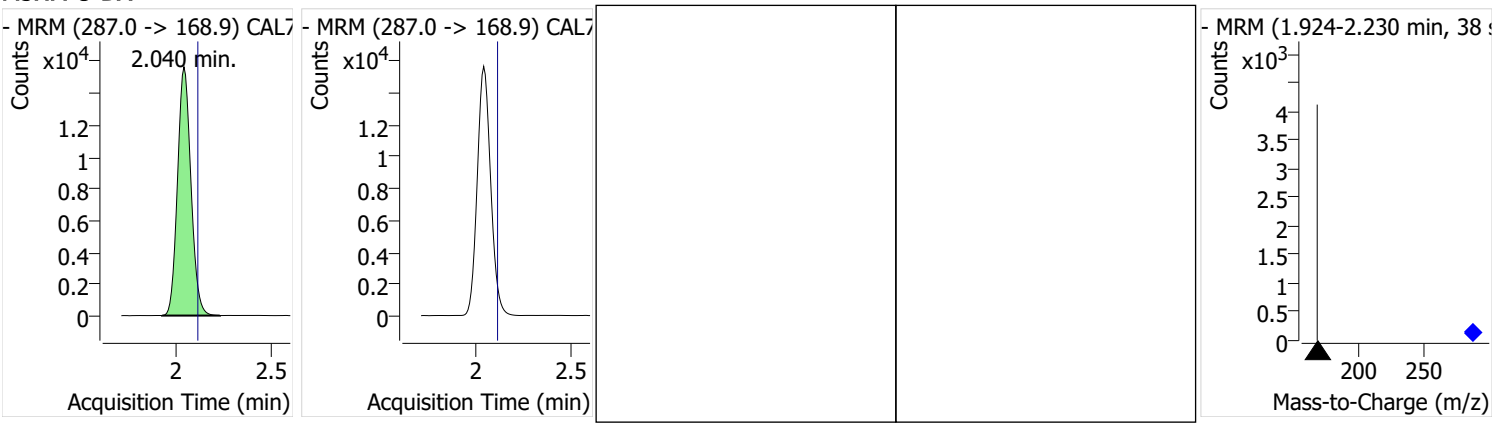
PFOS C13



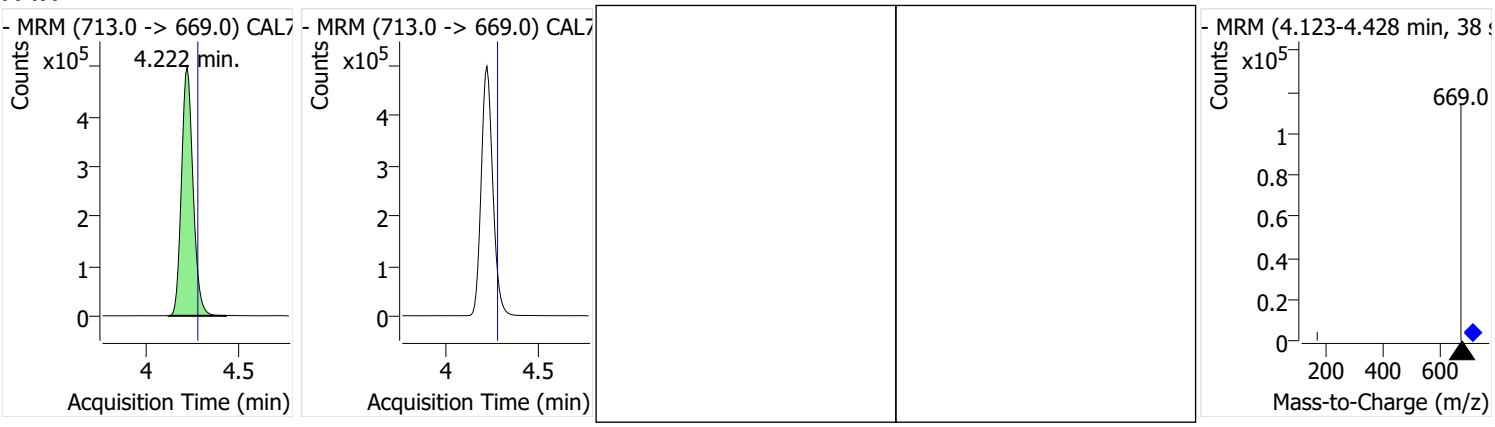
PFOS



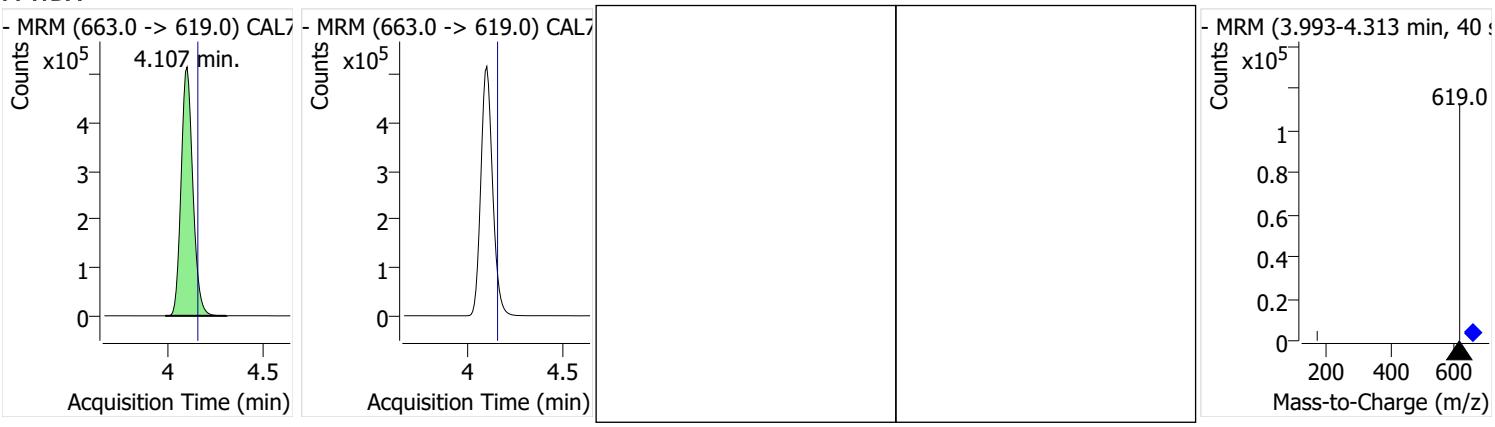
M3HFPO-DA



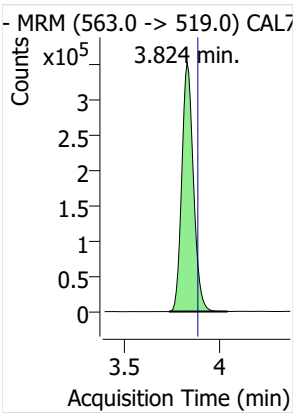
PFTA

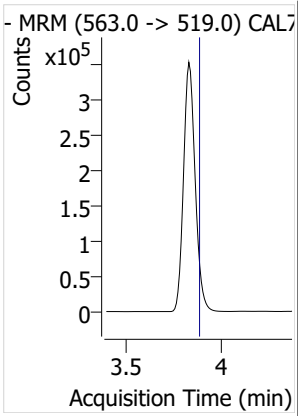


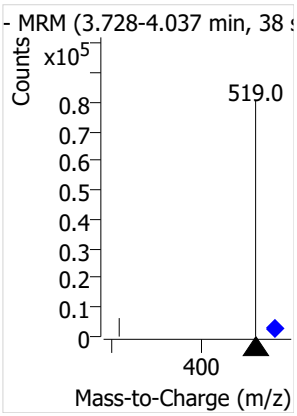
PFTrDA



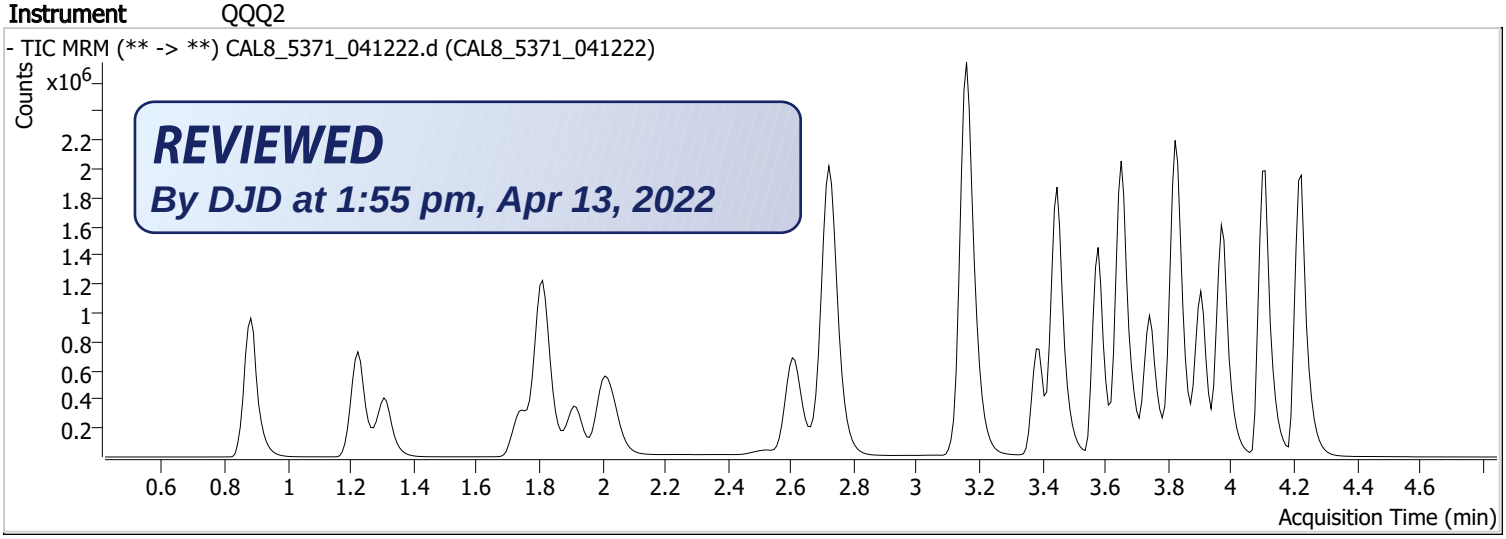
PFUnA


- MRM (563.0 -> 519.0) CAL7
Counts
x10^5
3.824 min.
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL7
Counts
x10^5
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)

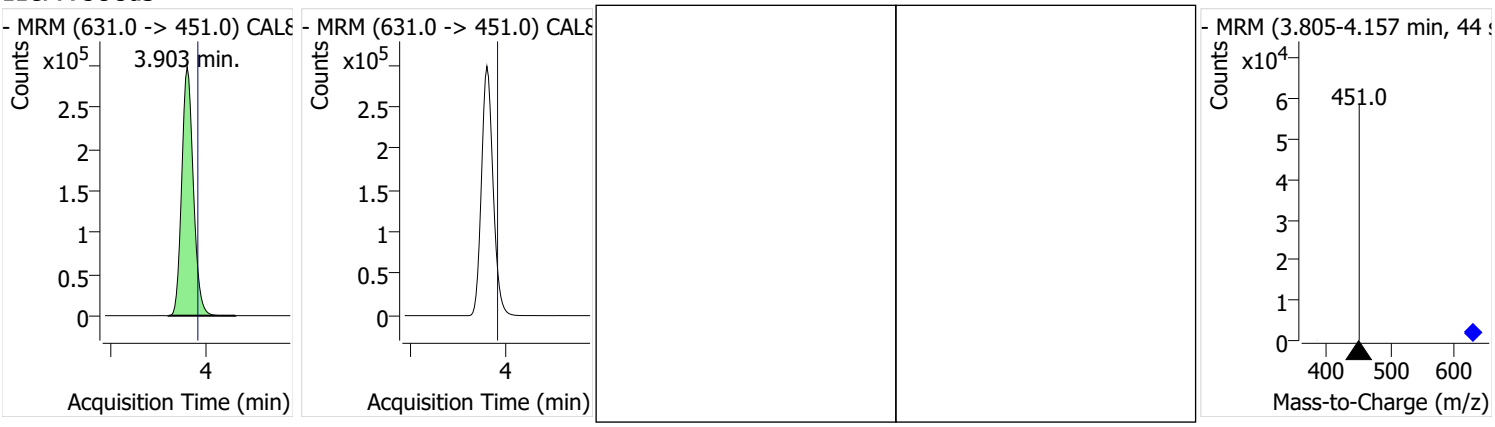

- MRM (3.728-4.037 min, 38
Counts
x10^5
519.0
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 4:16 PM	**Data File**	CAL8_5371_041222.d
Sample Type	Cal	**Sample Name**	CAL8_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203539	**Processing method**	5371_041222.m
Instrument	QQQ2		

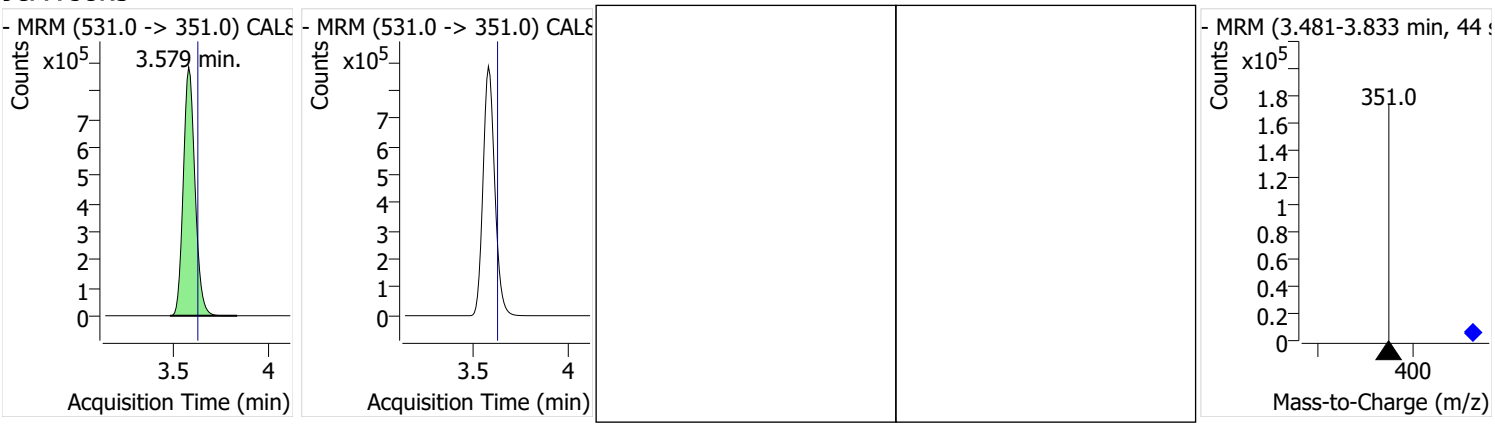


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	1264436	PFOS C13	3.458	322243	46726.4476	pg/ml			
9Cl-PF3ONS	3.579	3758963	PFOS C13	3.458	322243	46375.3416	pg/ml			
ADONA	2.725	6531884	PFOA C13	3.162	889861	47177.0608	pg/ml			
d5-N-EtFOSAA	3.831	726292	d3-N-MeFOSAA	3.741	887880	35336.8306	pg/ml			
HFPO-DA	2.041	265948	PFOA C13	3.162	889861	49959.0650	pg/ml			
N-EtFOSAA	3.831	948562	d3-N-MeFOSAA	3.741	887880	49513.5031	pg/ml			
N-MeFOSAA	3.741	1213567	d3-N-MeFOSAA	3.741	887880	49775.4670	pg/ml			
PFBS	1.308	966140	PFOS C13	3.458	322243	44314.1822	pg/ml			
PFDA C13	3.653	711561	PFOA C13	3.162	889861	9275.3455	pg/ml			
PFDA	3.653	3370956	PFOA C13	3.162	889861	49924.9065	pg/ml			
PFDoA	3.977	3825419	PFOA C13	3.162	889861	49953.4690	pg/ml			
PFHpA	2.608	2044869	PFOA C13	3.162	889861	49932.6493	pg/ml			
PFHxA C13	1.813	855567	PFOA C13	3.162	889861	10507.3850	pg/ml			
PFHxA	1.814	3339416	PFOA C13	3.162	889861	49934.1923	pg/ml			
PFHxS	2.697	717704	PFOS C13	3.458	322243	45430.7998	pg/ml			
PFNA	3.451	3513472	PFOA C13	3.162	889861	49492.7696	pg/ml			
PFOA	3.163	4818851	PFOA C13	3.162	889861	49979.1729	pg/ml			
PFOS	3.450	562072	PFOS C13	3.458	322243	46283.2053	pg/ml			
M3HFPO-DA	2.040	86903	PFOA C13	3.162	889861	10493.7468	pg/ml			
PFTA	4.222	4997531	PFOA C13	3.162	889861	50001.1423	pg/ml			
PFTrDA	4.107	5112827	PFOA C13	3.162	889861	50002.6455	pg/ml			
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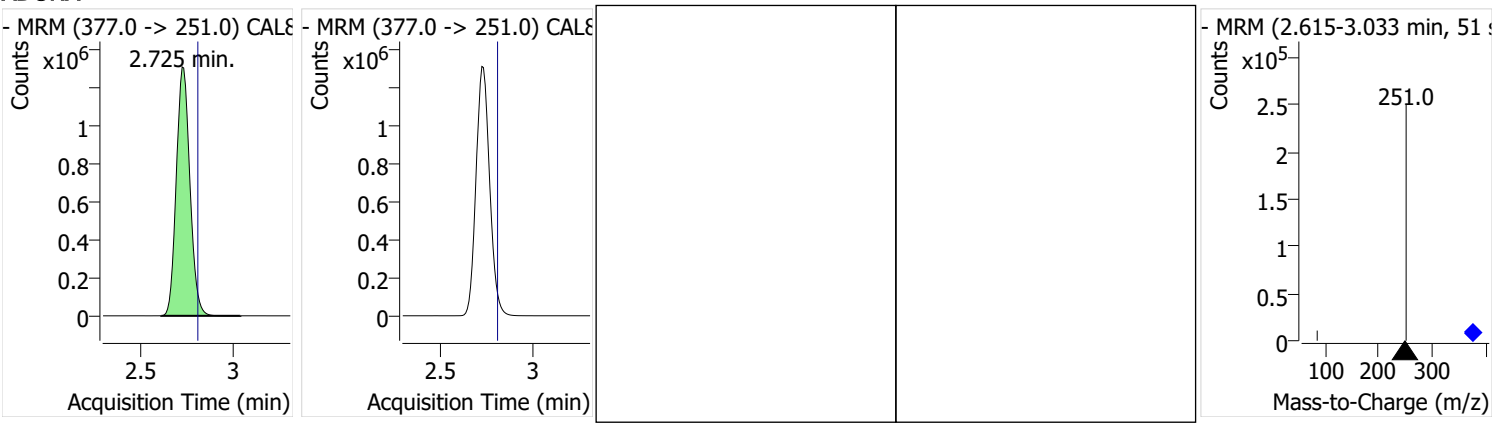
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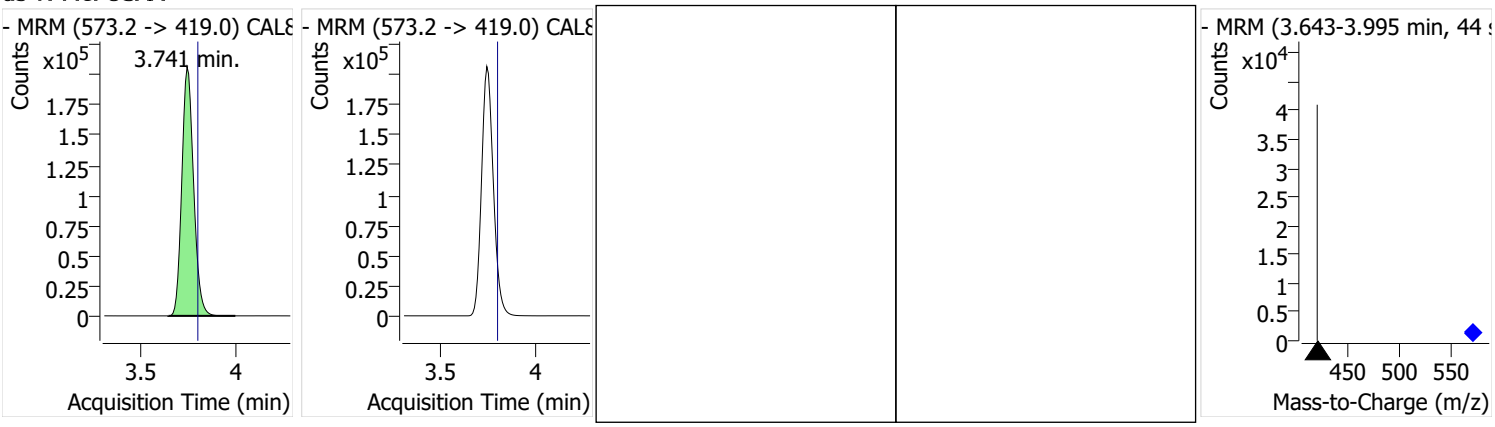
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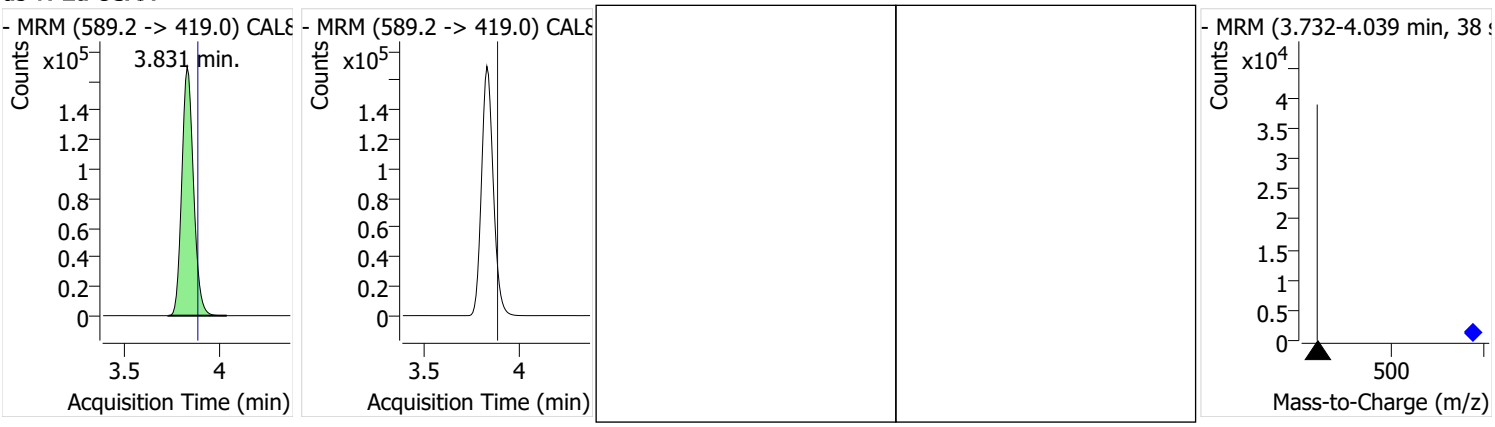
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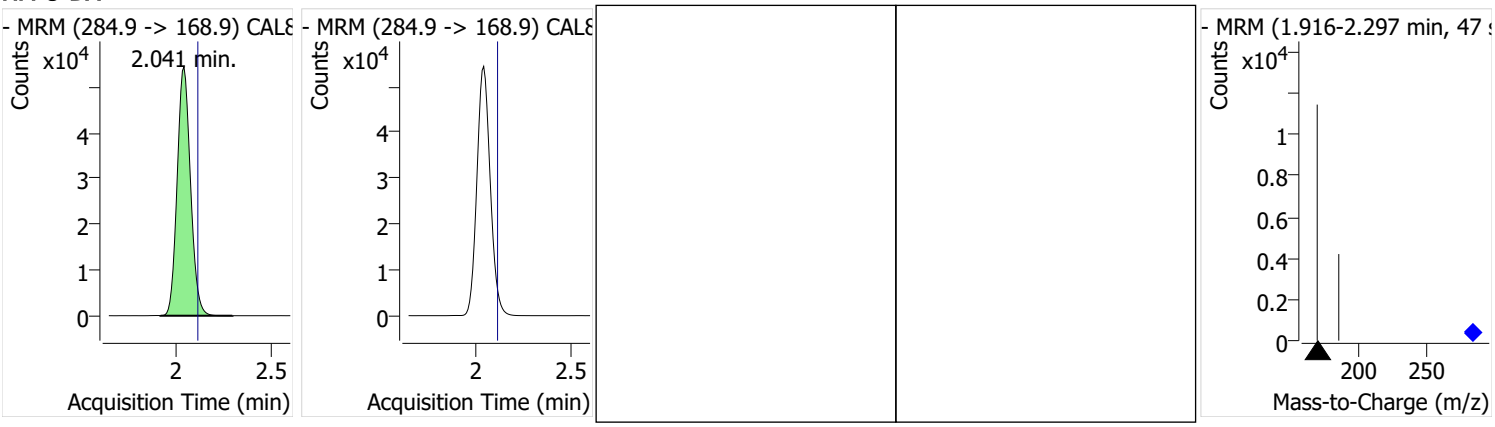
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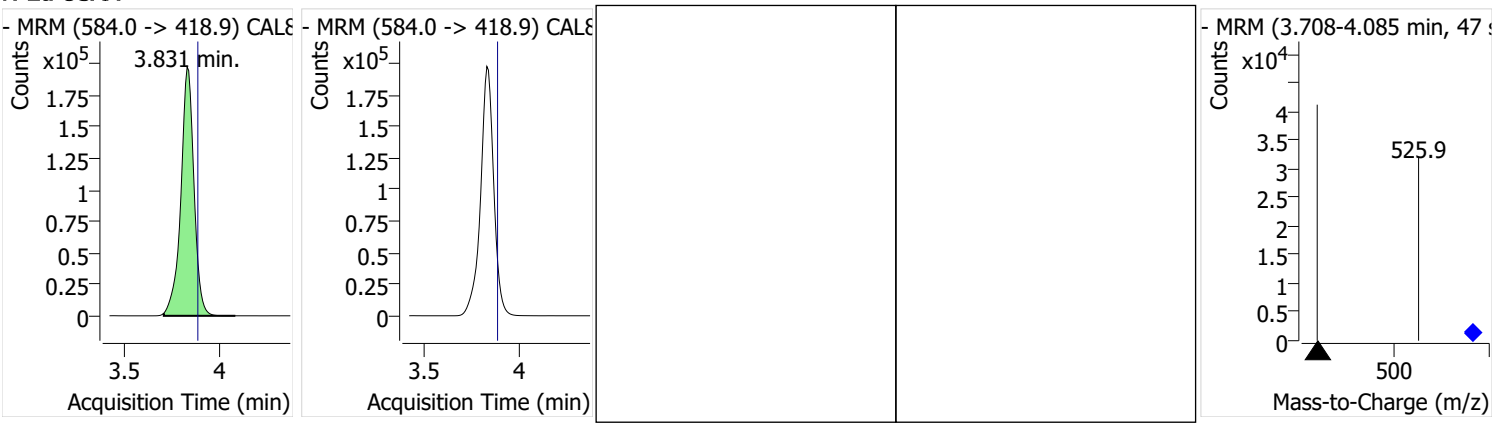
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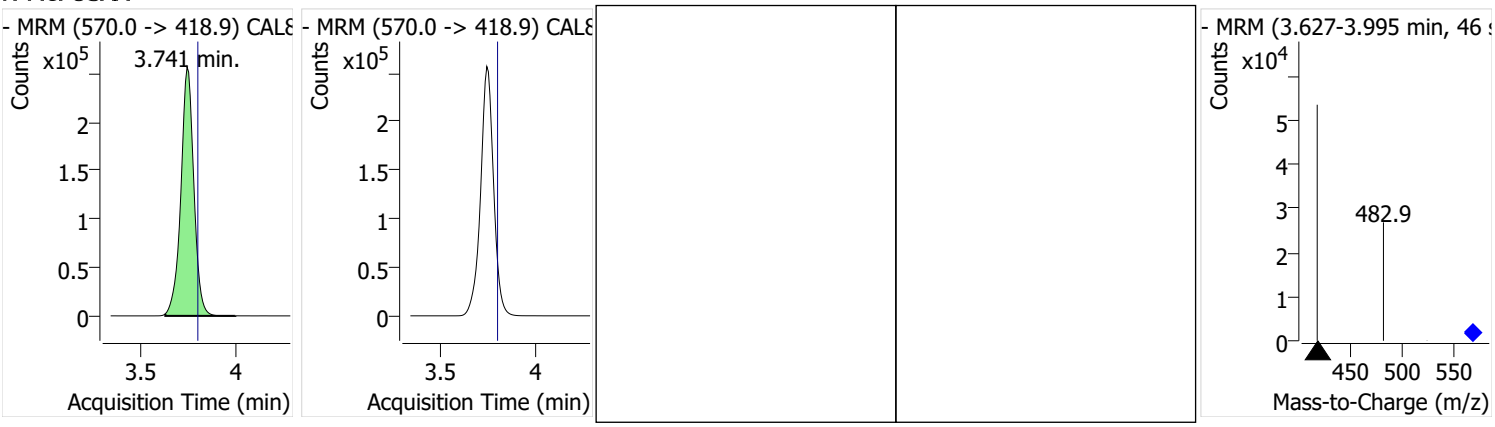
HFPO-DA



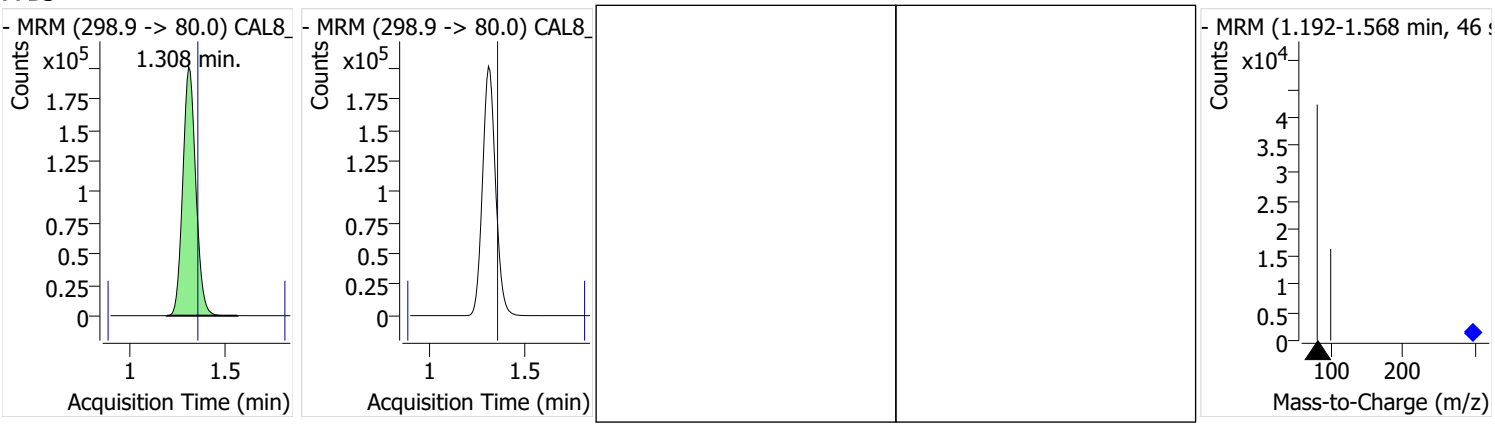
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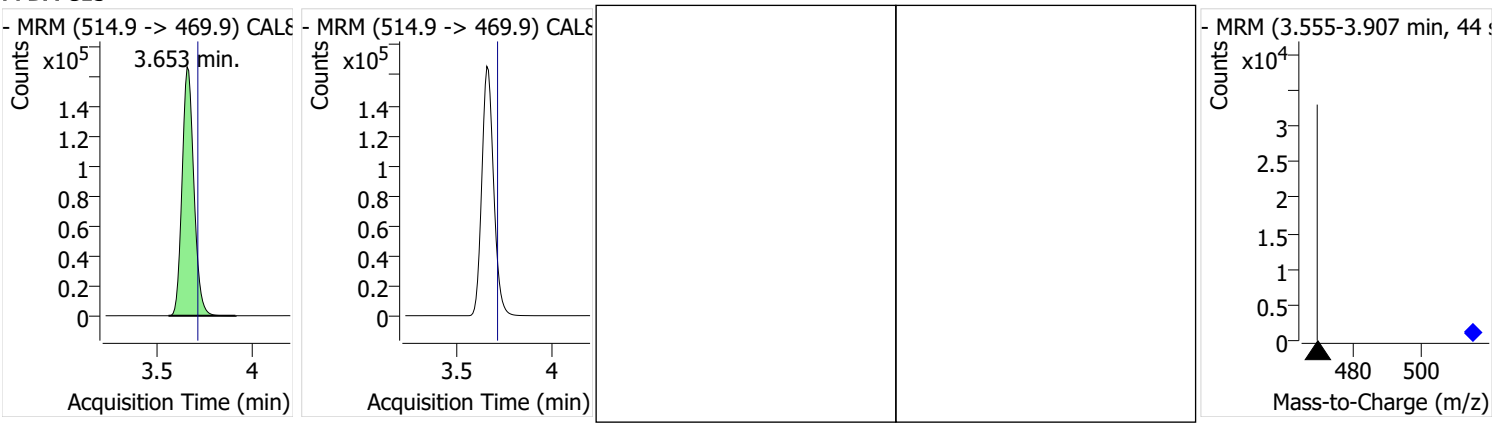
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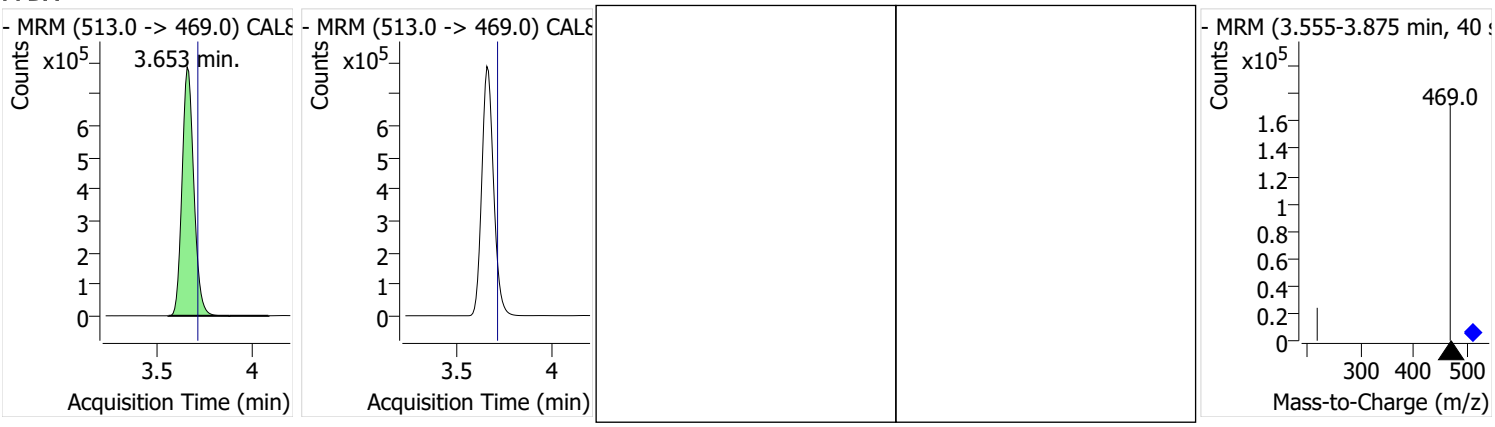
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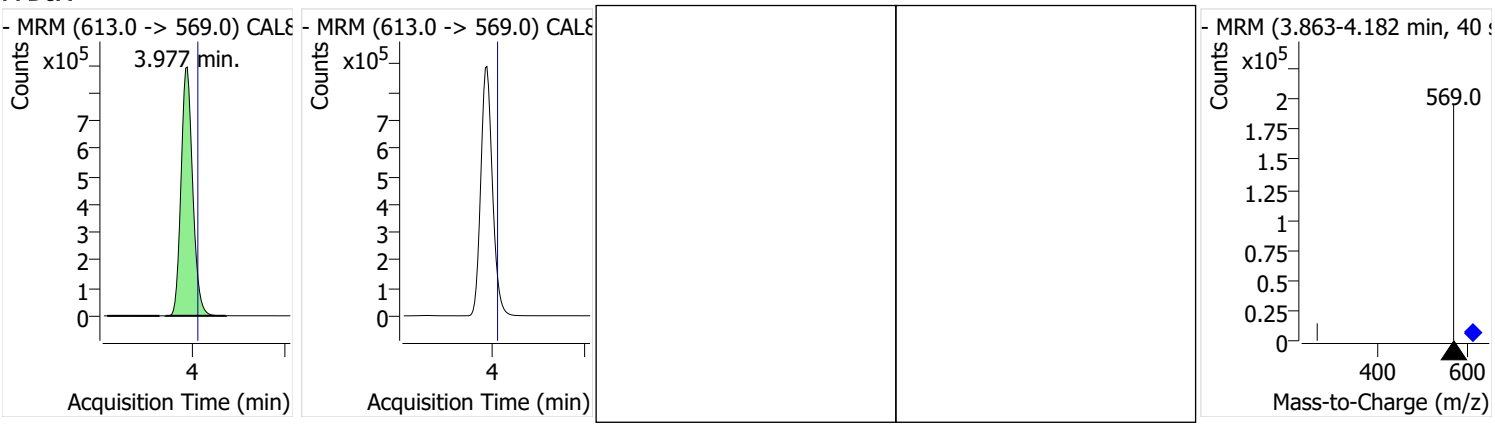
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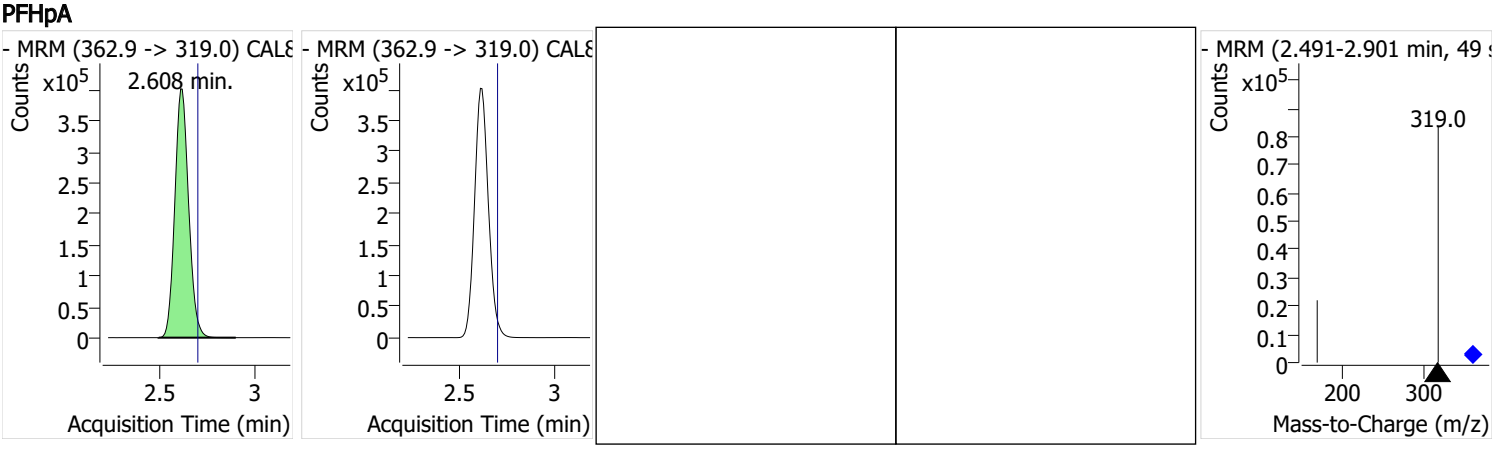
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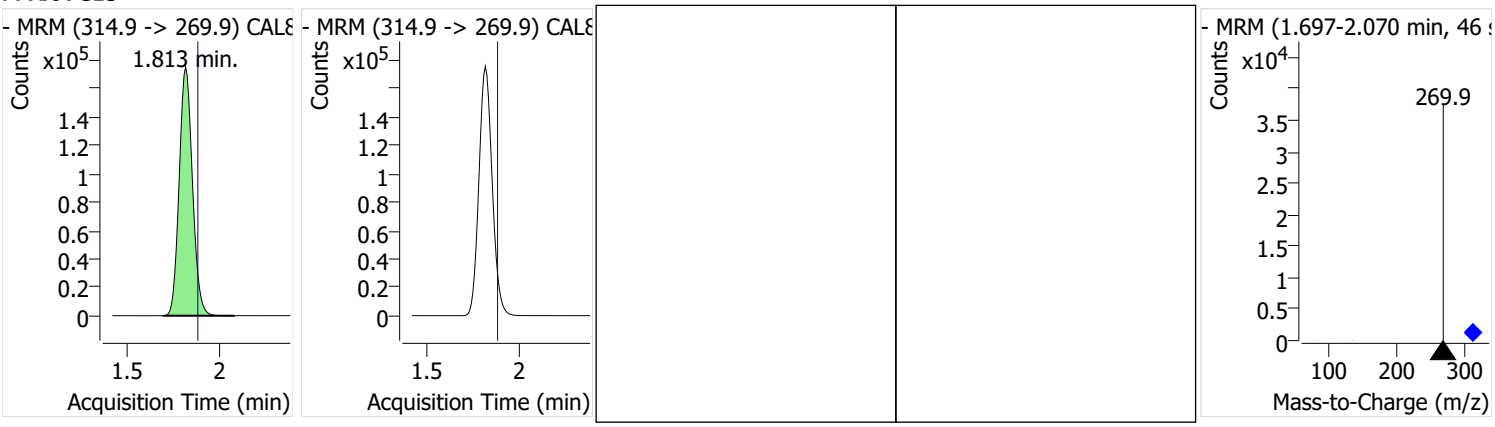
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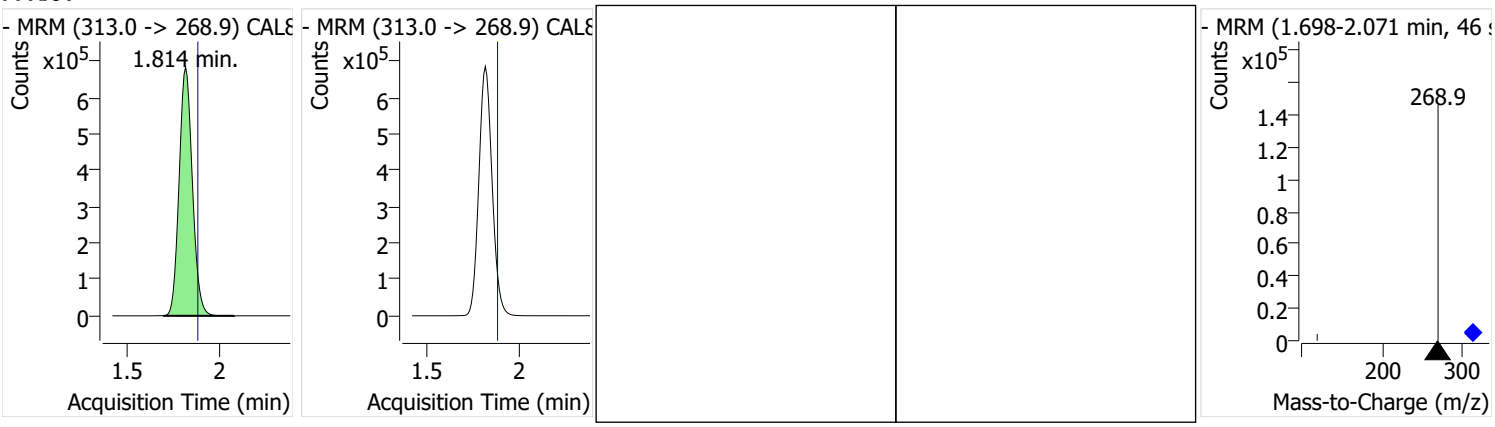
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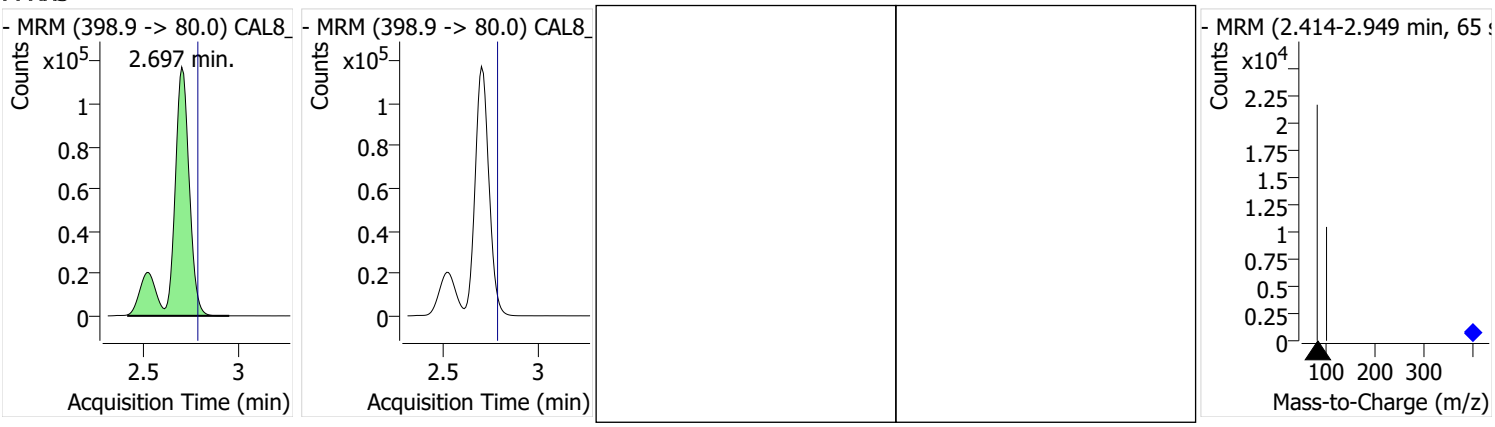
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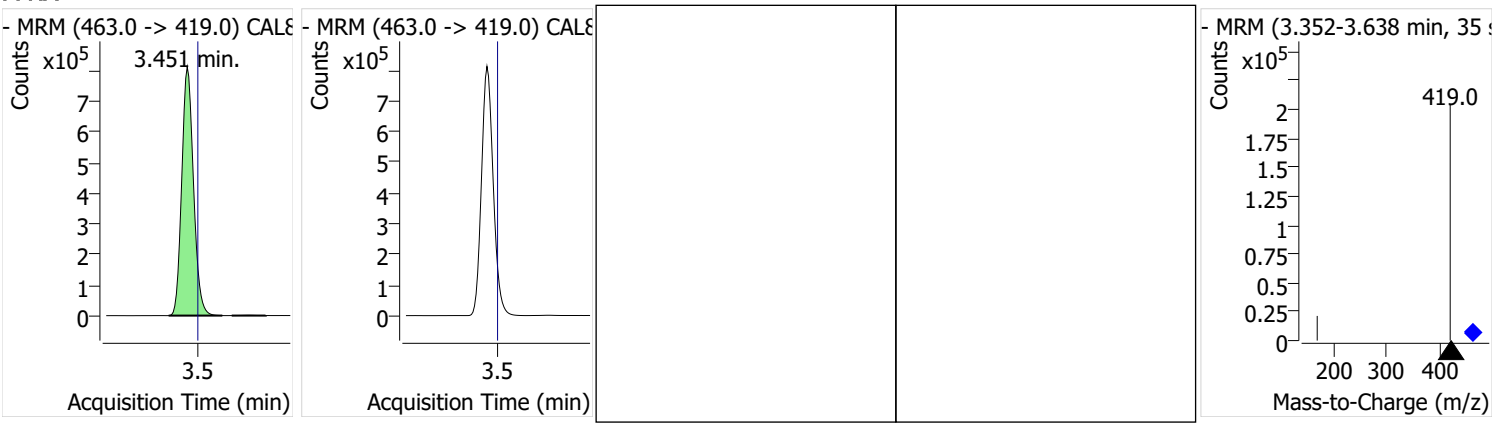
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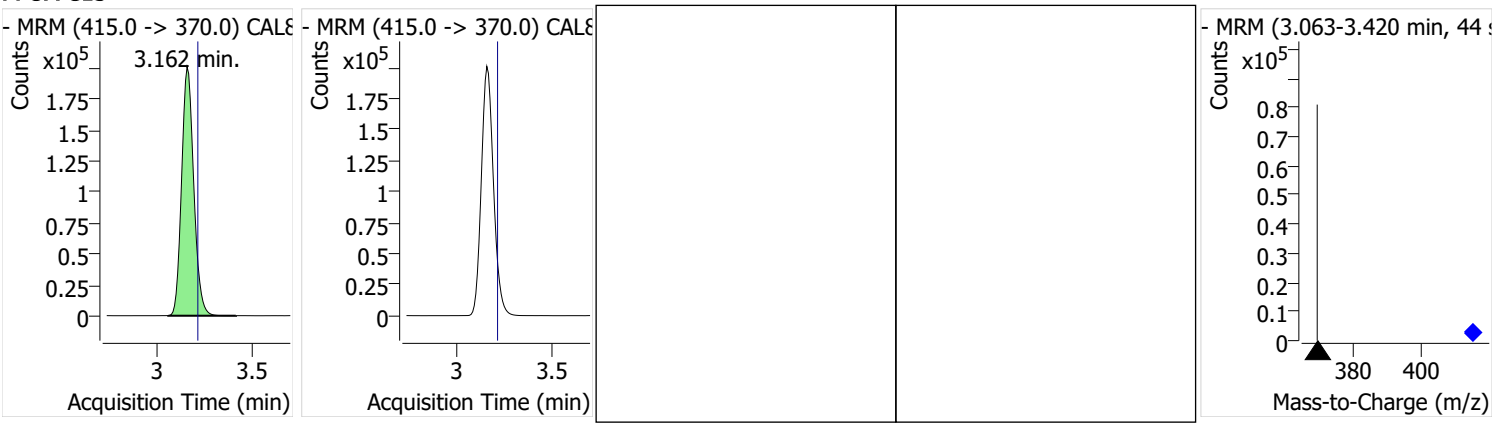
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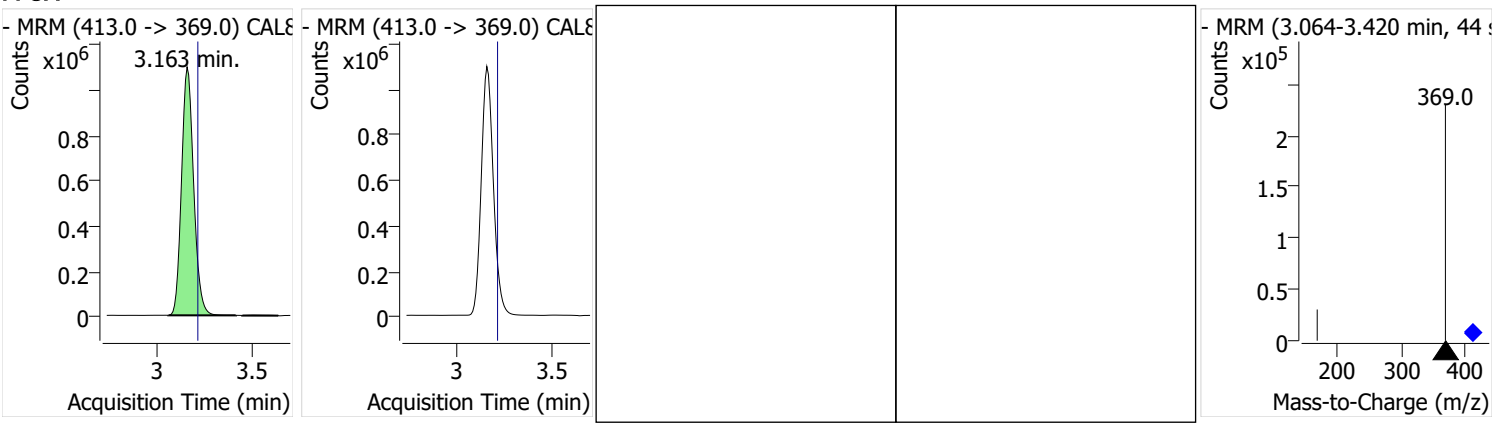
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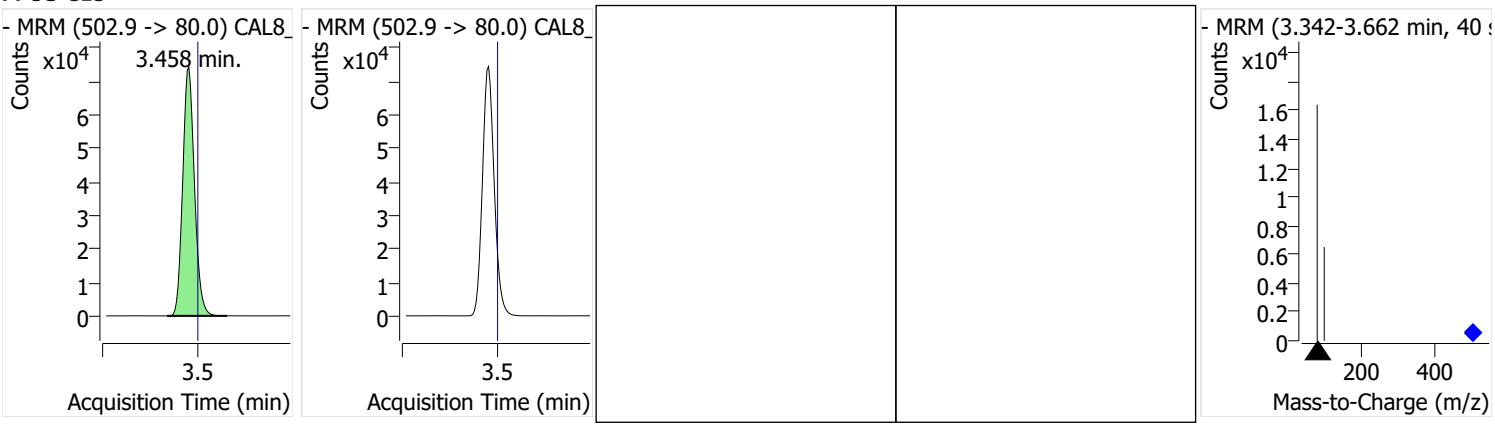
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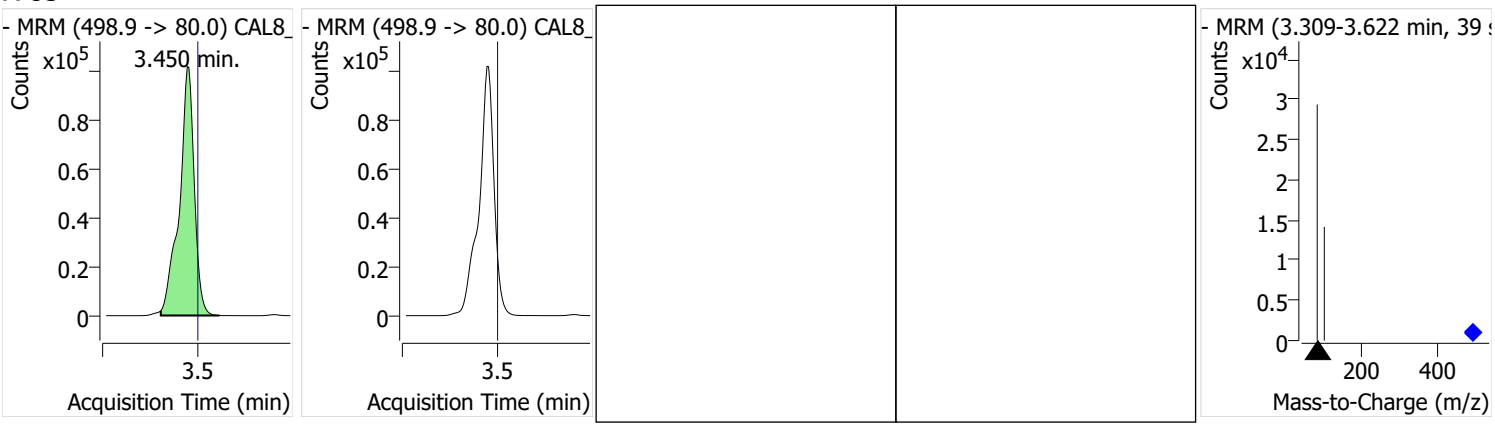
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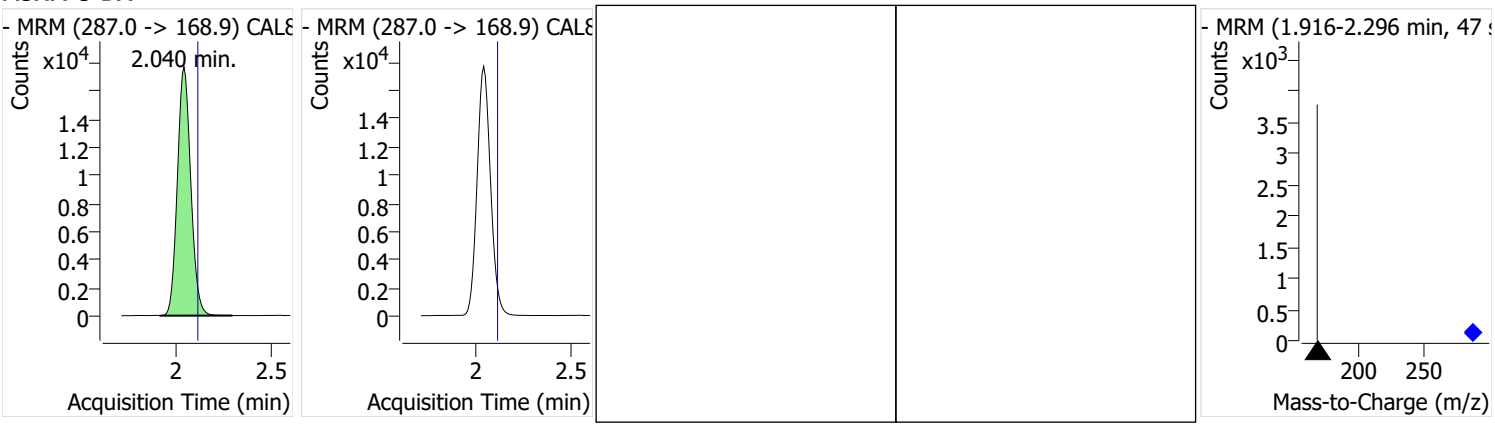
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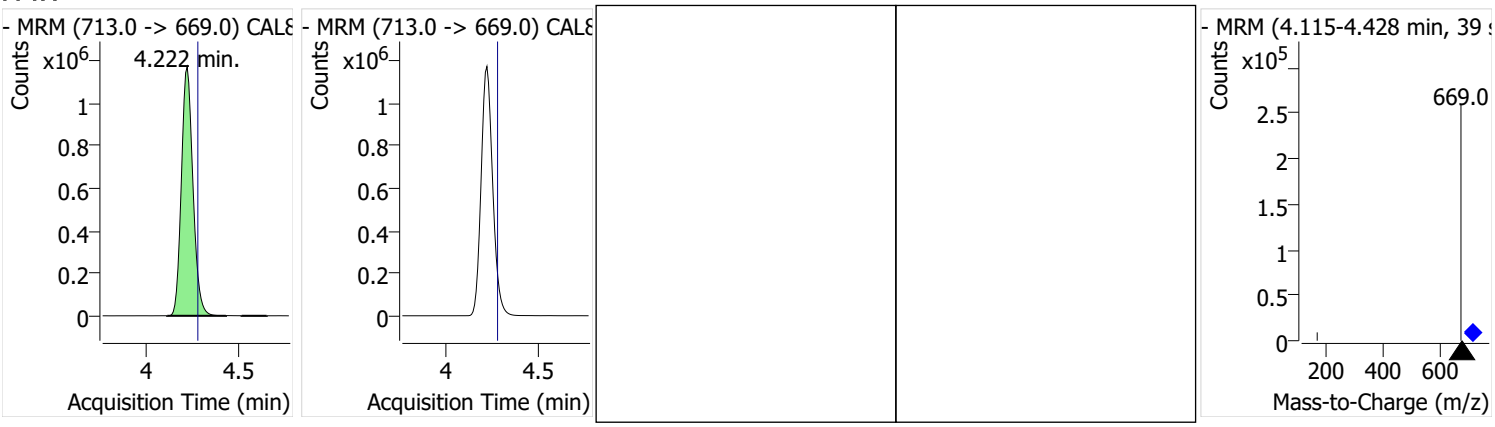
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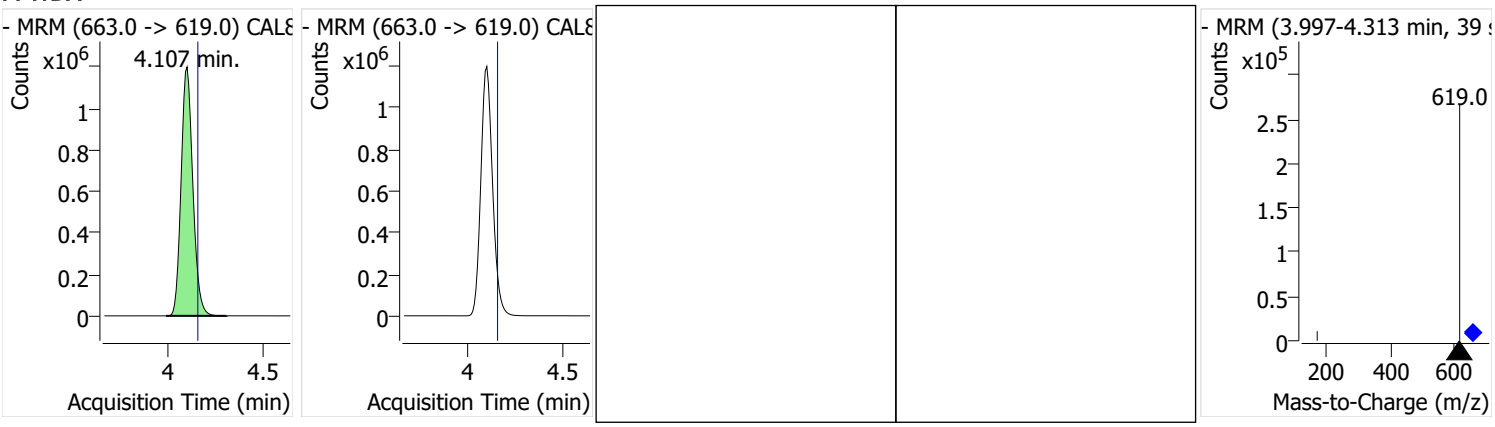
M3HFPO-DA



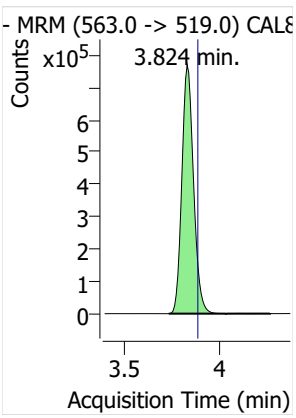
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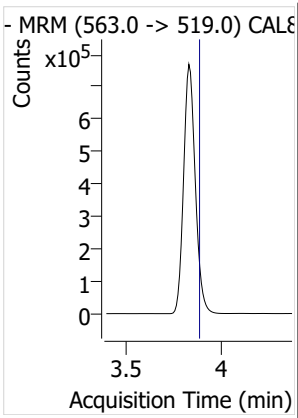


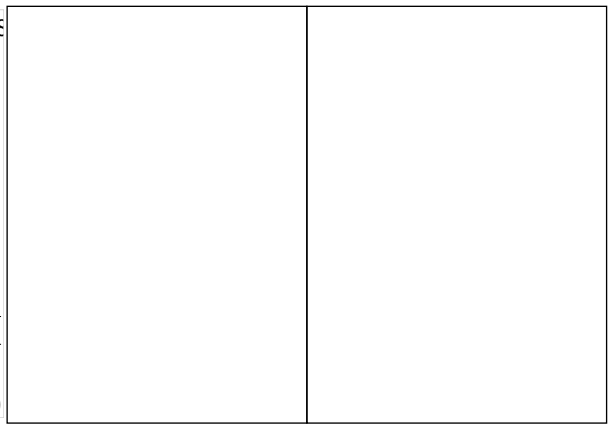
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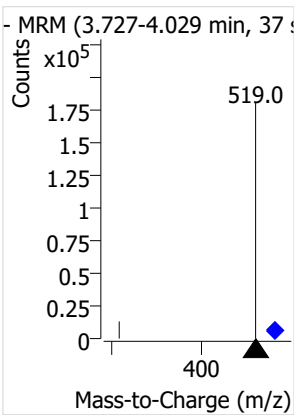


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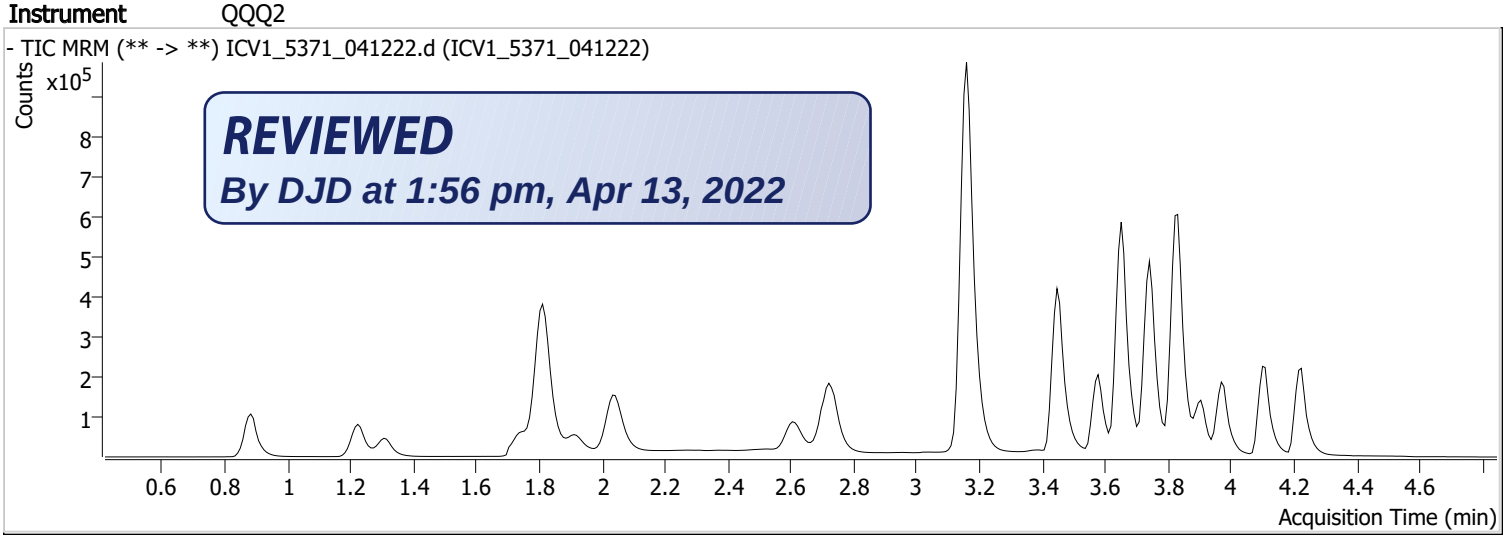

- MRM (563.0 -> 519.0) CAL8
Counts
x10^5
3.824 min.
6
5
4
3
2
1
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) CAL8
Counts
x10^5
6
5
4
3
2
1
0
3.5
4
Acquisition Time (min)



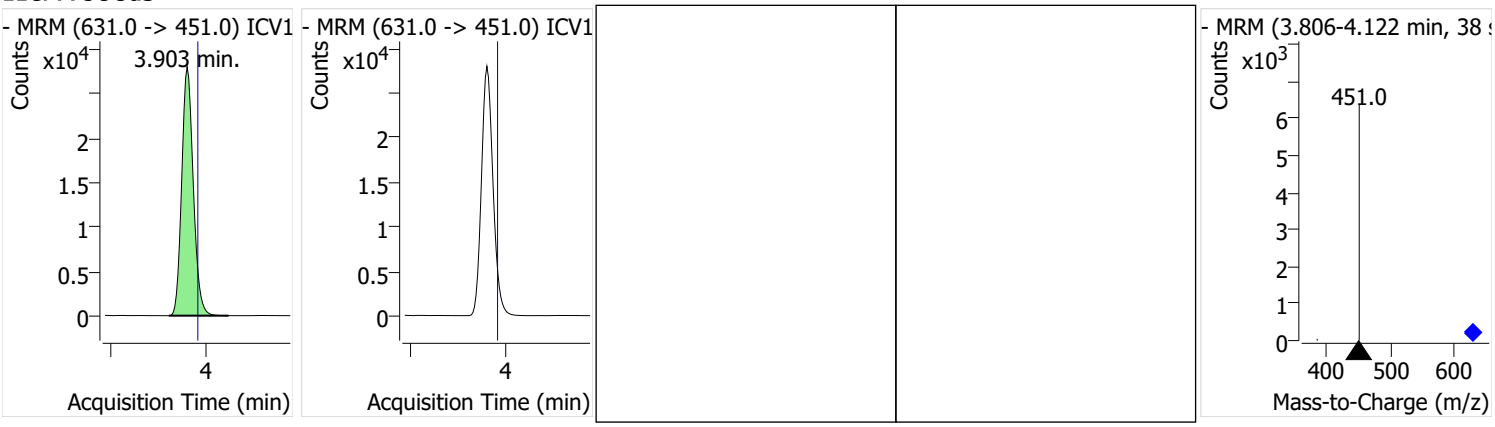

- MRM (3.727-4.029 min, 37
Counts
x10^5
519.0
1.75
1.5
1.25
1
0.75
0.5
0.25
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 4:23 PM	**Data File**	ICV1_5371_041222.d
Sample Type	QC	**Sample Name**	ICV1_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203547	**Processing method**	5371_041222.m
Instrument	QQQ2		

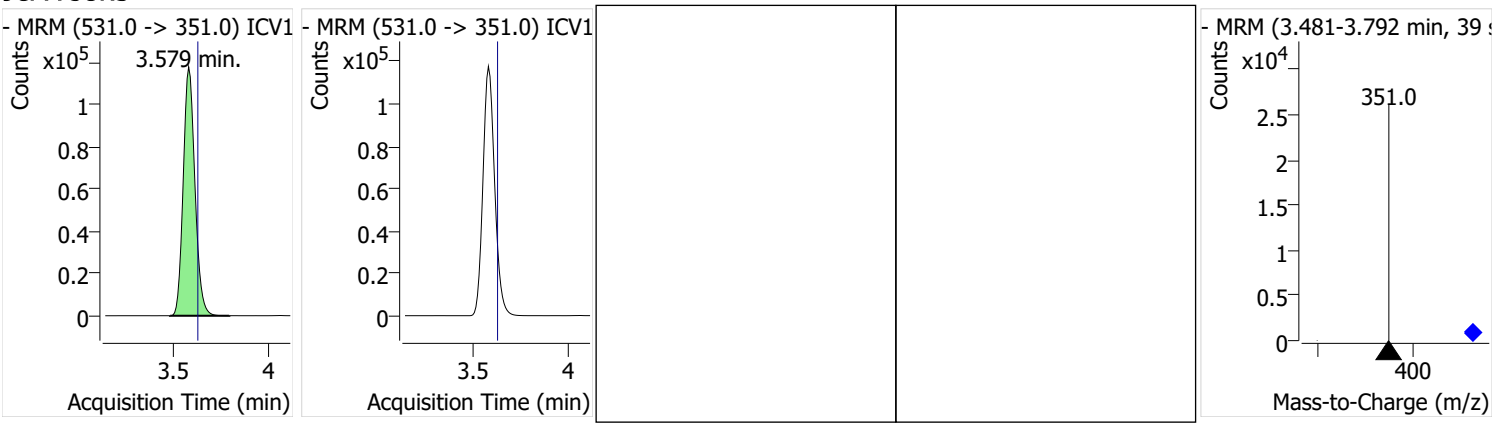


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	118132	PFOS C13	3.458	417127	3681.0453	pg/ml			
9Cl-PF3ONS	3.579	499344	PFOS C13	3.458	417127	5436.1828	pg/ml			
ADONA	2.725	584520	PFOA C13	3.162	1083565	3884.5956	pg/ml			
d5-N-EtFOSAA	3.831	975215	d3-N-MeFOSAA	3.741	1029280	40929.6264	pg/ml			
HFPO-DA	2.041	19186	PFOA C13	3.162	1083565	3746.0855	pg/ml			
N-EtFOSAA	3.831	135132	d3-N-MeFOSAA	3.741	1029280	6084.6638	pg/ml			
N-MeFOSAA	3.741	158648	d3-N-MeFOSAA	3.741	1029280	5613.1349	pg/ml			
PFBS	1.308	106829	PFOS C13	3.458	417127	4023.7509	pg/ml			
PFDA C13	3.653	890231	PFOA C13	3.162	1083565	9529.8934	pg/ml			
PFDA	3.653	419109	PFOA C13	3.162	1083565	4757.7809	pg/ml			
PFDoA	3.977	432399	PFOA C13	3.162	1083565	4894.3180	pg/ml			
PFHpA	2.617	215250	PFOA C13	3.162	1083565	4626.8227	pg/ml			
PFHxA C13	1.813	930614	PFOA C13	3.162	1083565	9385.9452	pg/ml			
PFHxA	1.814	359547	PFOA C13	3.162	1083565	4697.0178	pg/ml			
PFHxS	2.697	78039	PFOS C13	3.458	417127	4360.3893	pg/ml			
PFNA	3.451	413147	PFOA C13	3.162	1083565	4779.4443	pg/ml			
PFOA	3.163	540672	PFOA C13	3.162	1083565	4892.8736	pg/ml			
PFOS	3.450	63072	PFOS C13	3.458	417127	4292.0258	pg/ml			
M3HFPO-DA	2.040	93688	PFOA C13	3.162	1083565	9290.7648	pg/ml			
PFTA	4.222	555217	PFOA C13	3.162	1083565	5018.5843	pg/ml			
PFTrDA	4.107	570922	PFOA C13	3.162	1083565	4975.6839	pg/ml			
PFUnA	3.824	393091	PFOA C13	3.162	1083565	4838.0449	pg/ml			

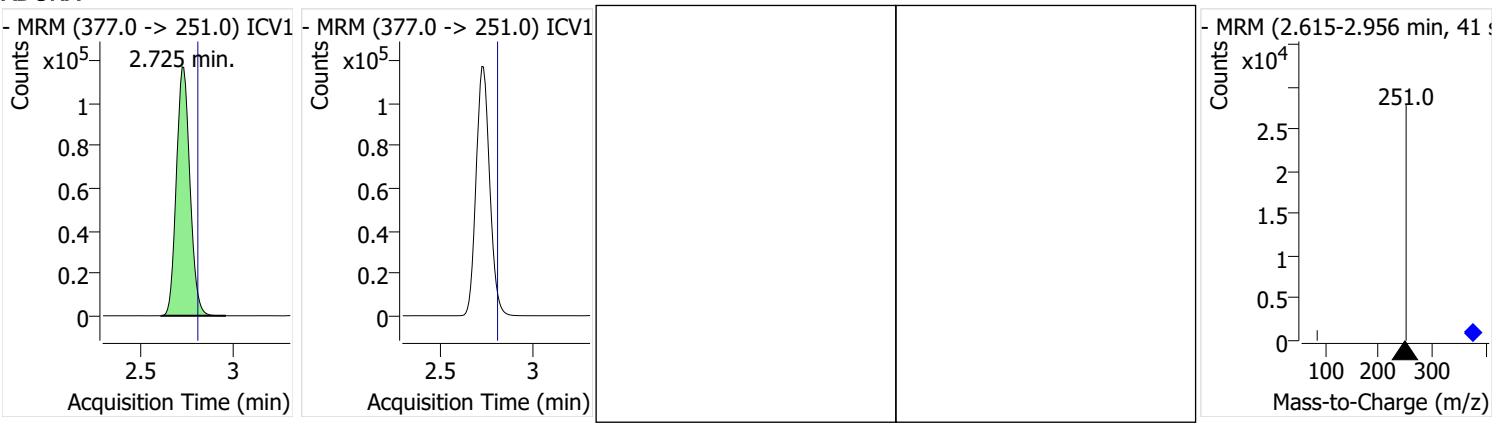
11Cl-PF3OUdS



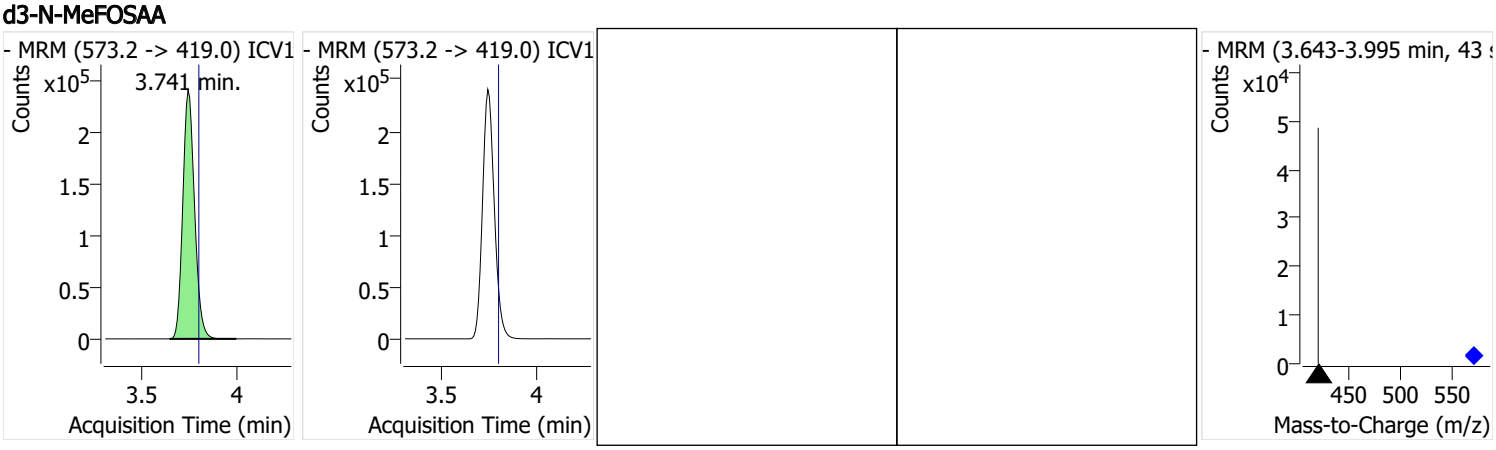
9Cl-PF3ONS



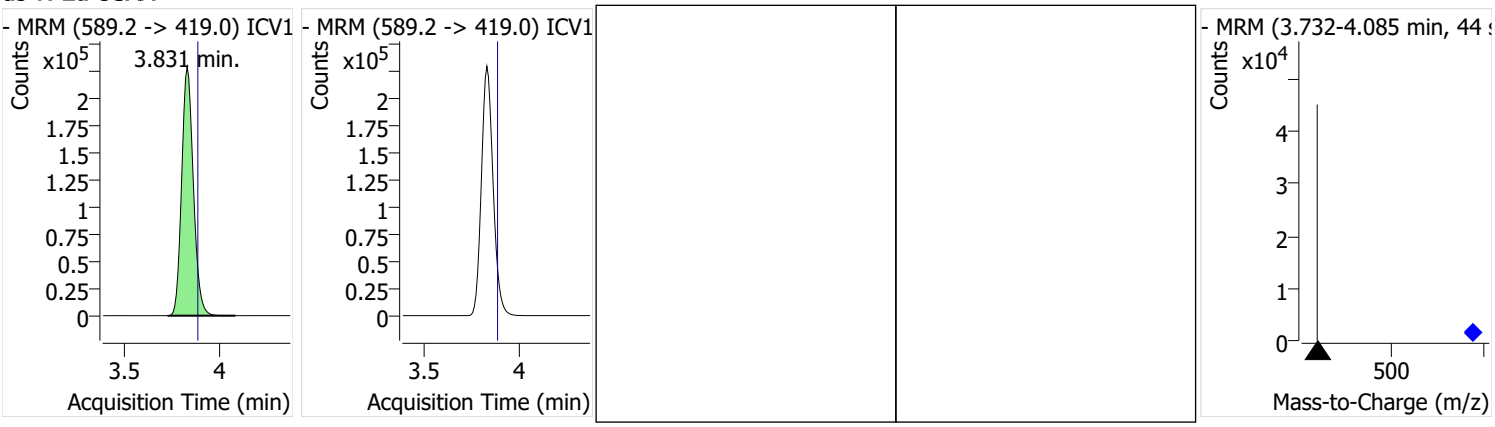
ADONA



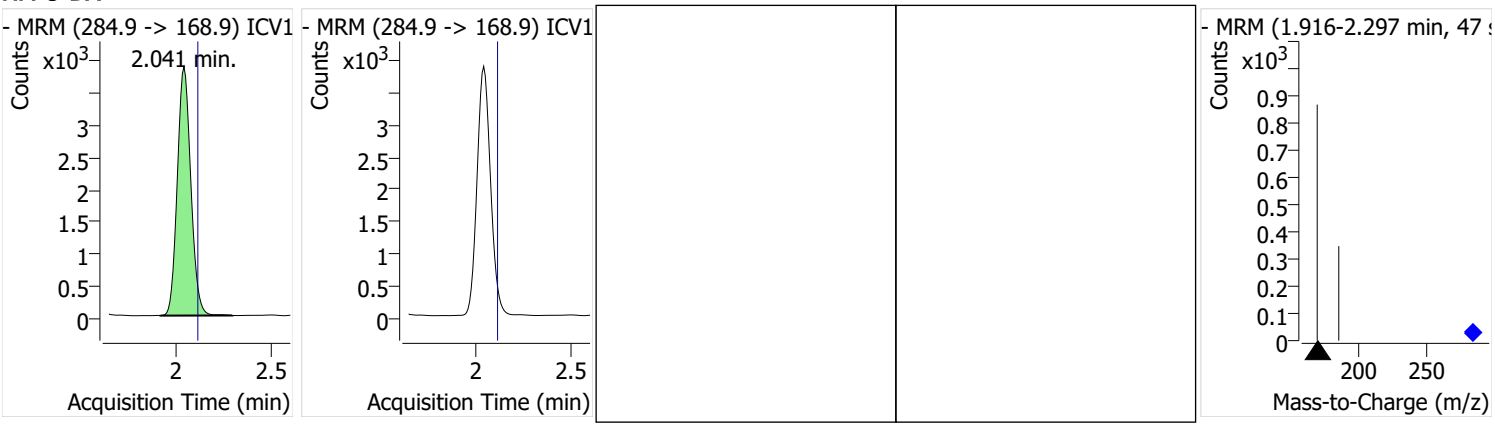
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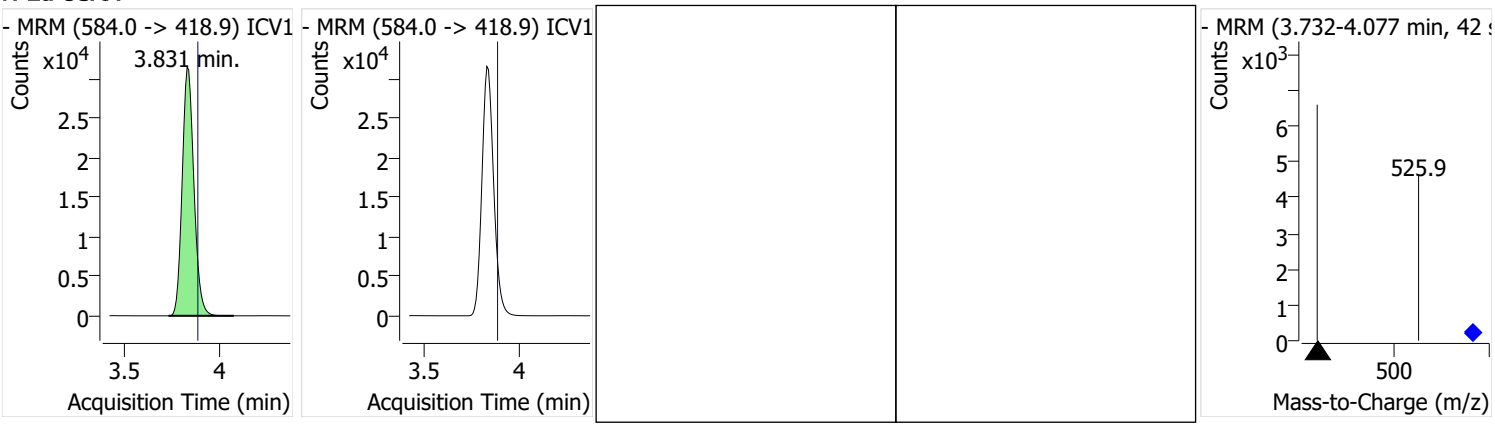
d5-N-EtFOSAA



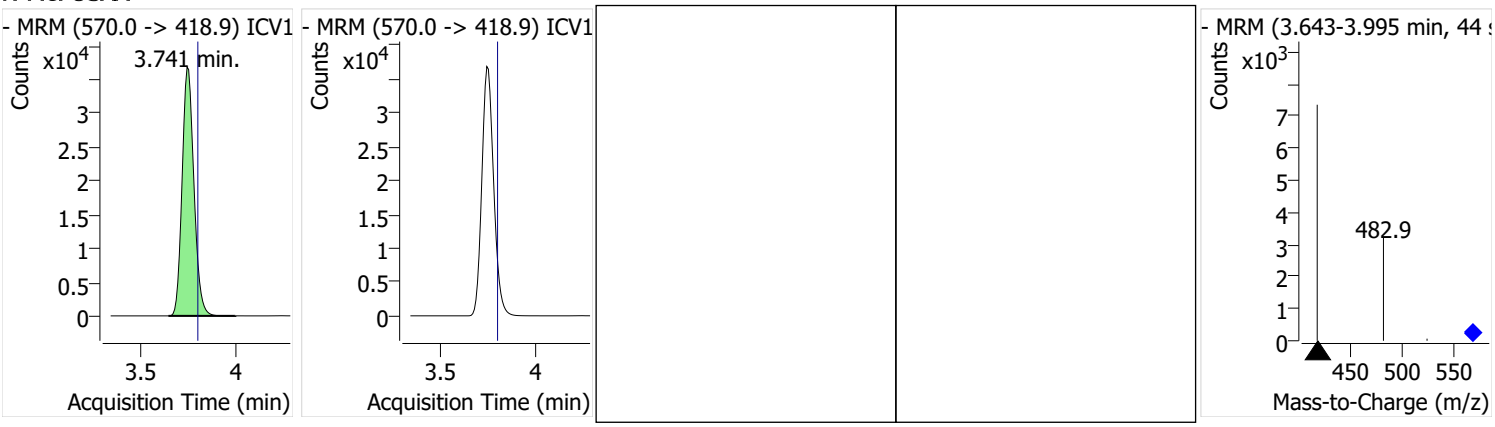
HFPO-DA



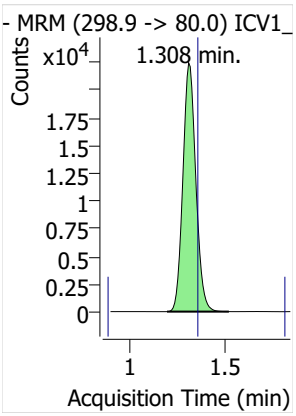
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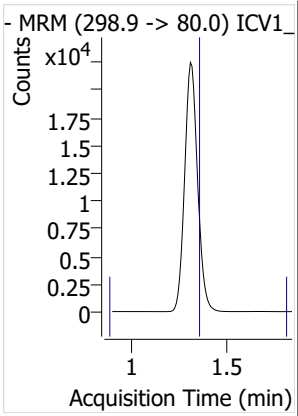


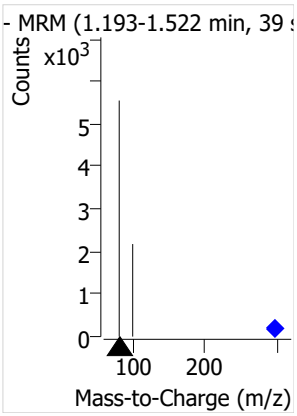
N-MeFOSAA



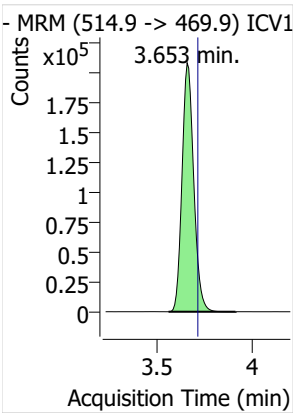
PFBS

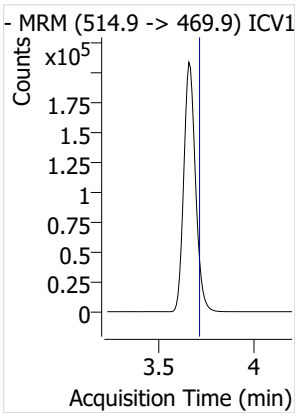


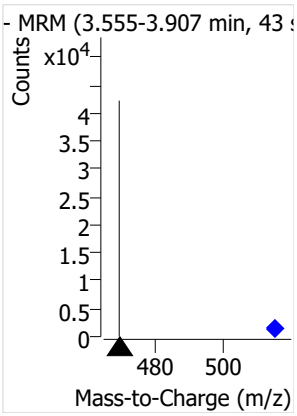




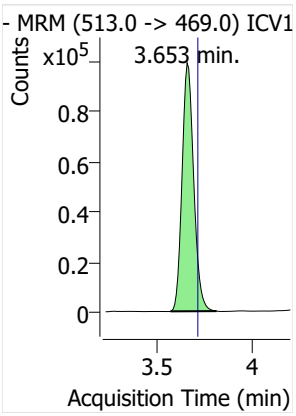
PFDA C13

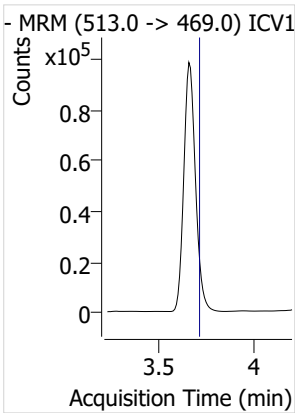


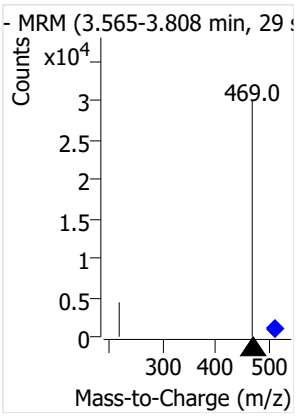




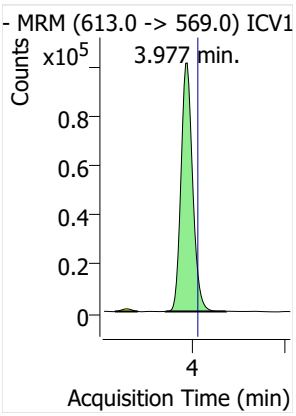
PFDA

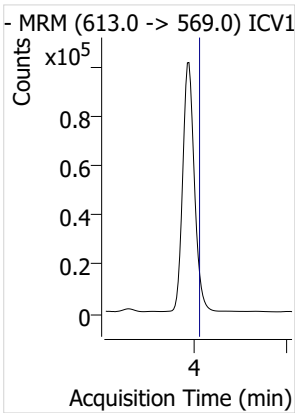


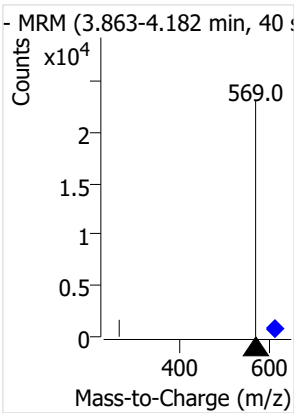




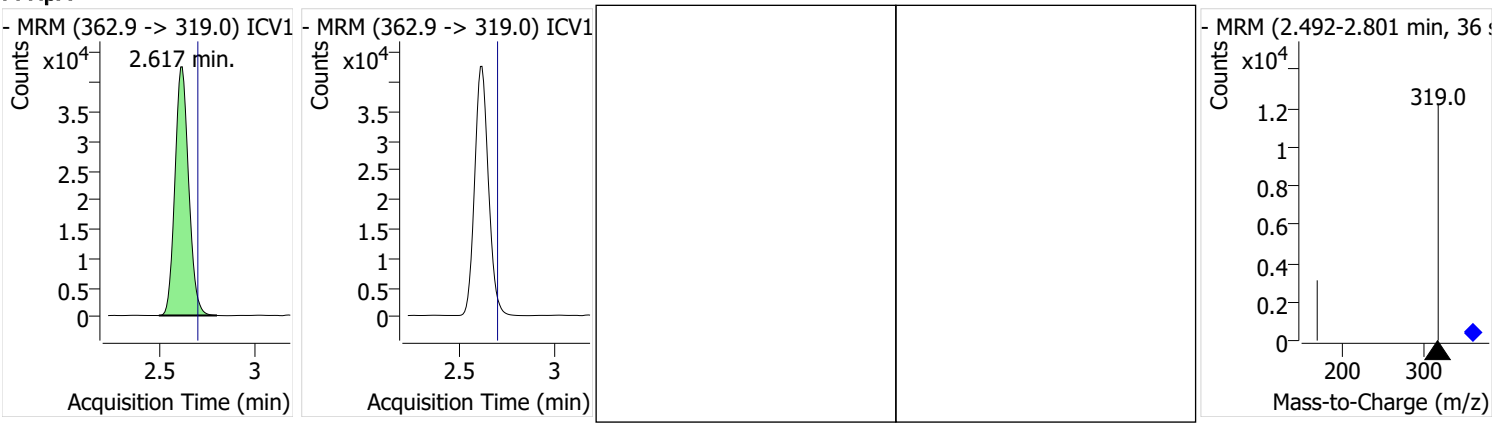
PFDoA



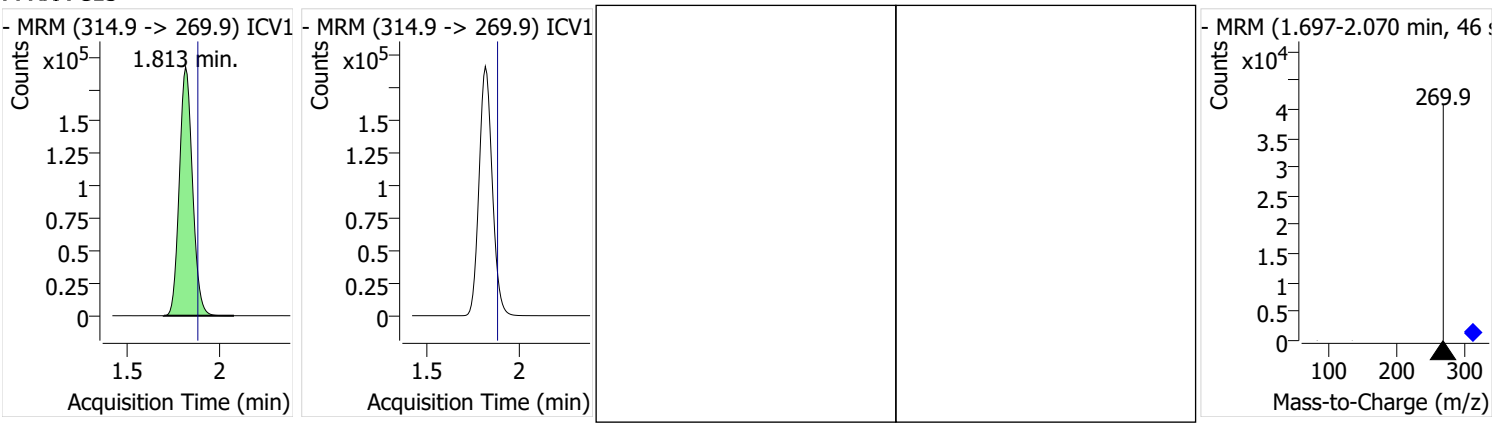




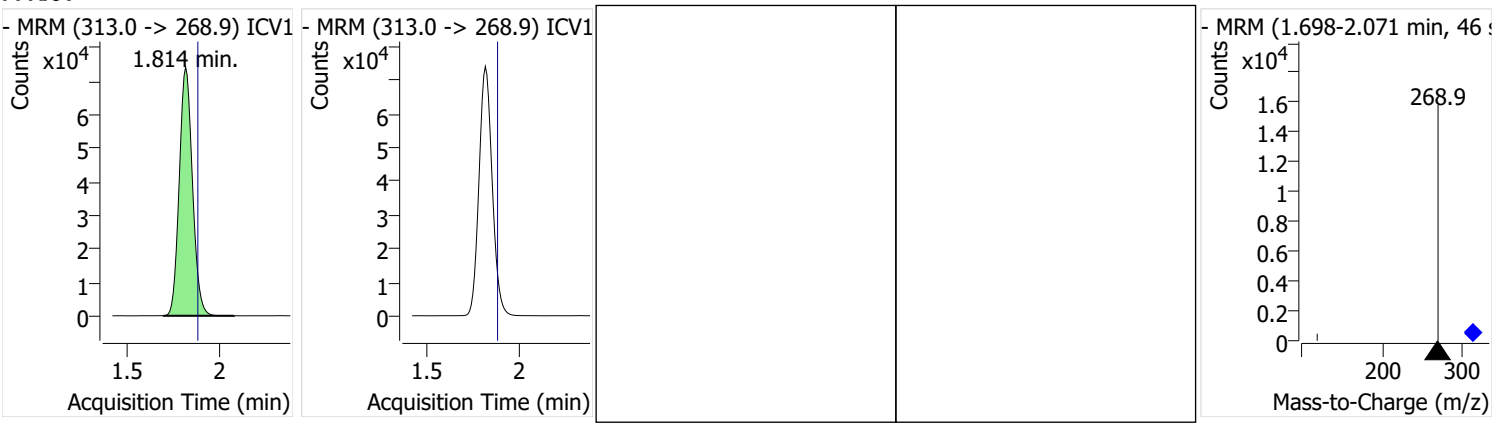
PFHpA



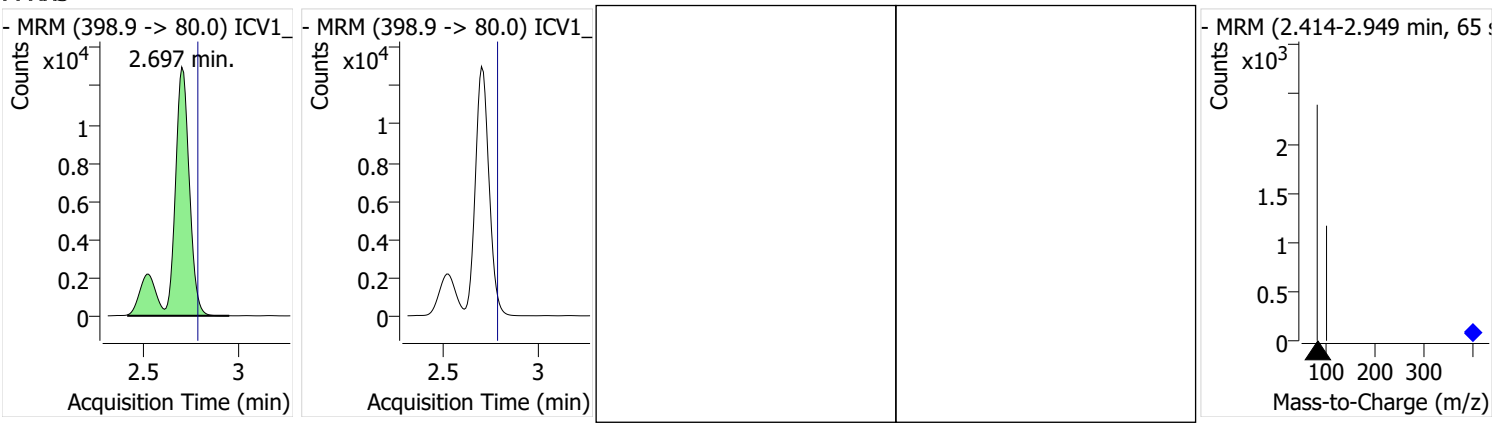
PFHxA C13



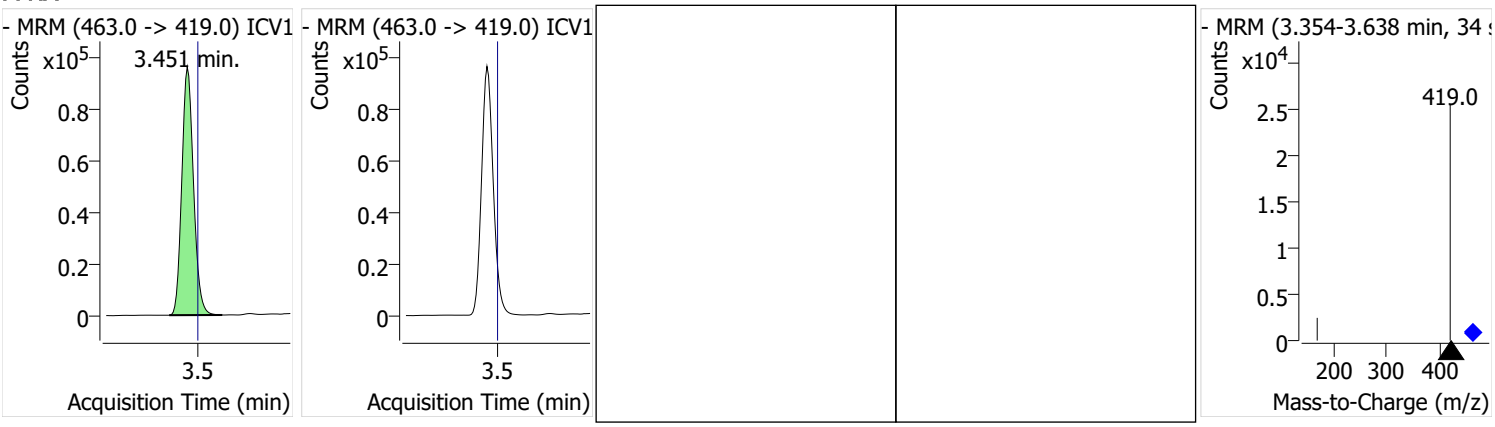
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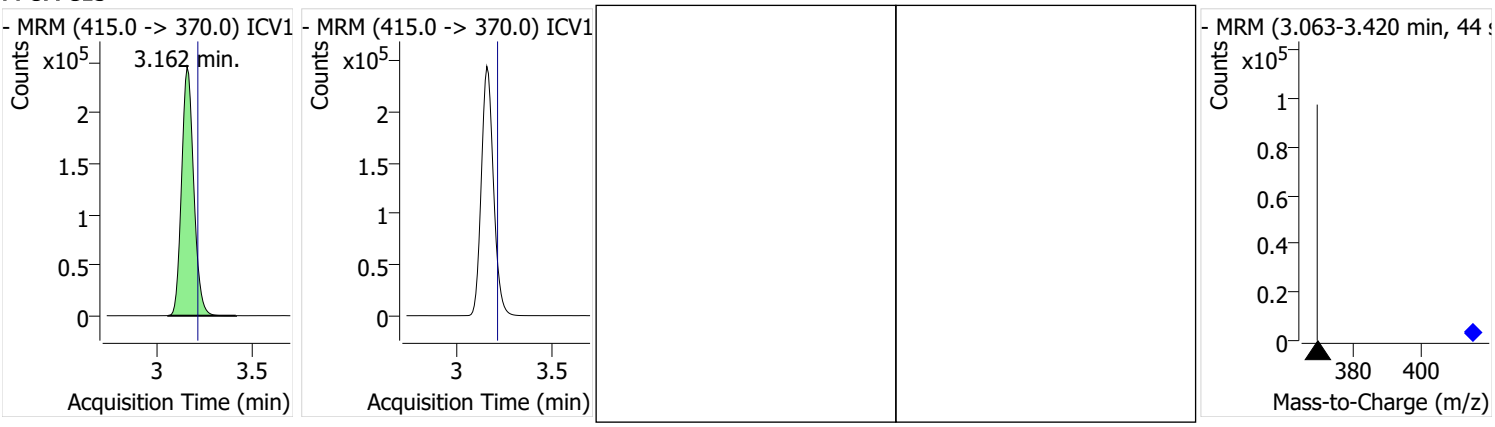
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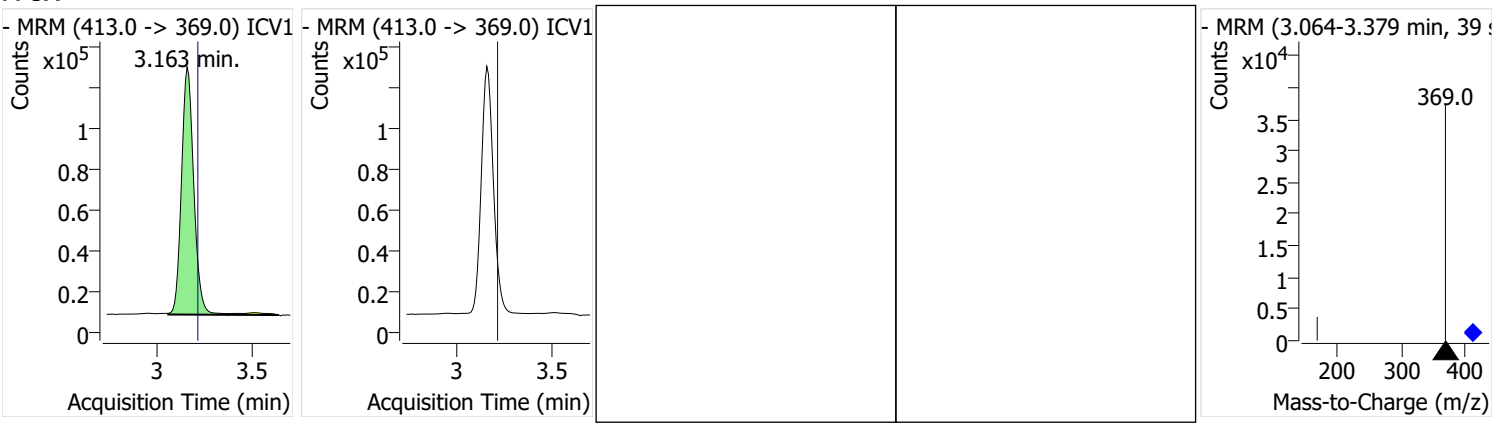
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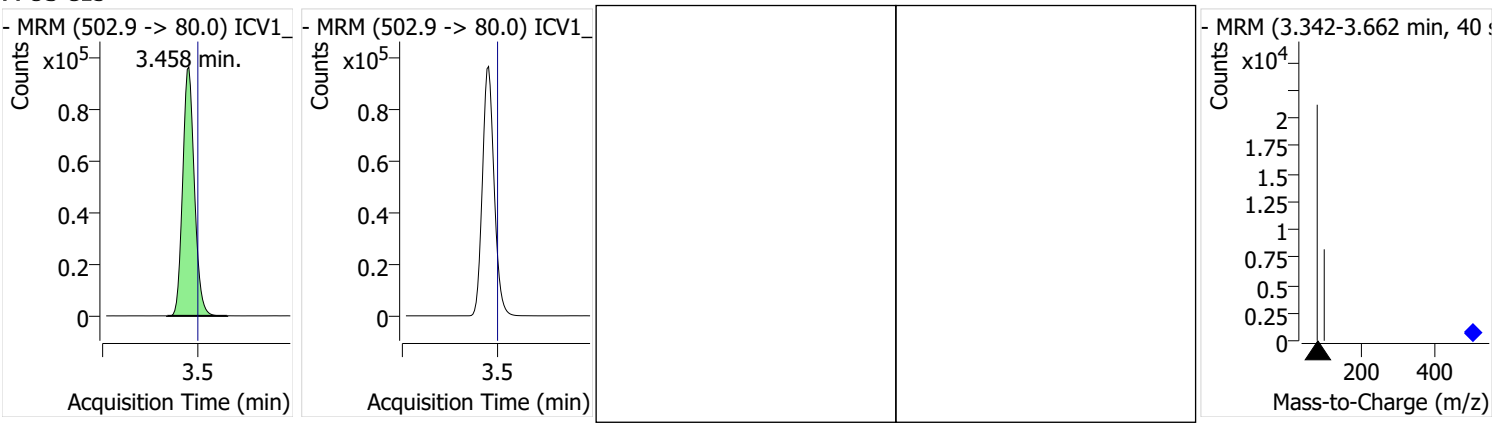
PFOA C13



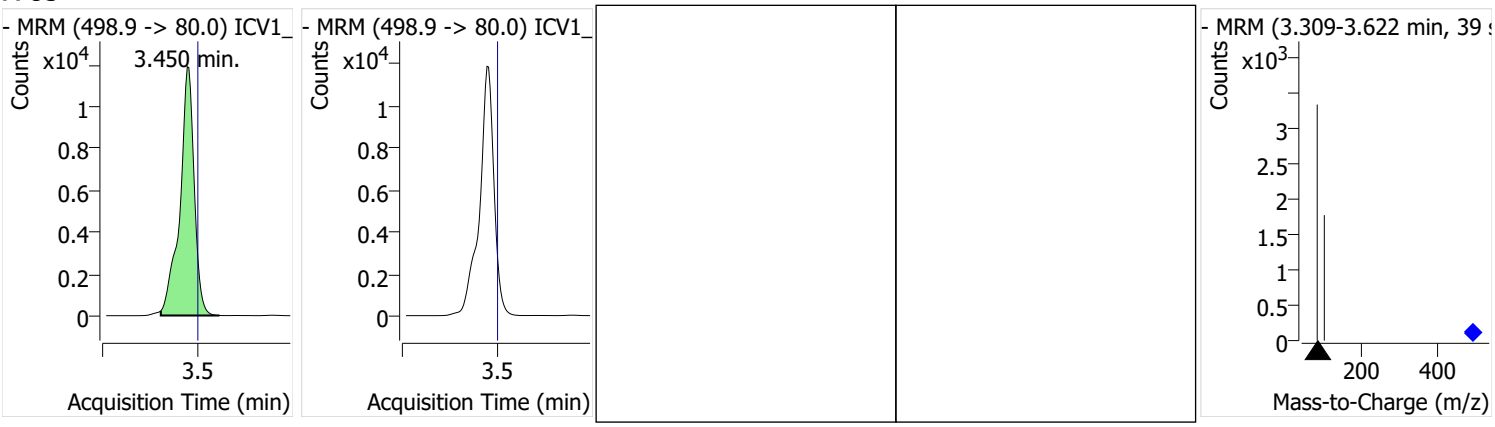
PFOA



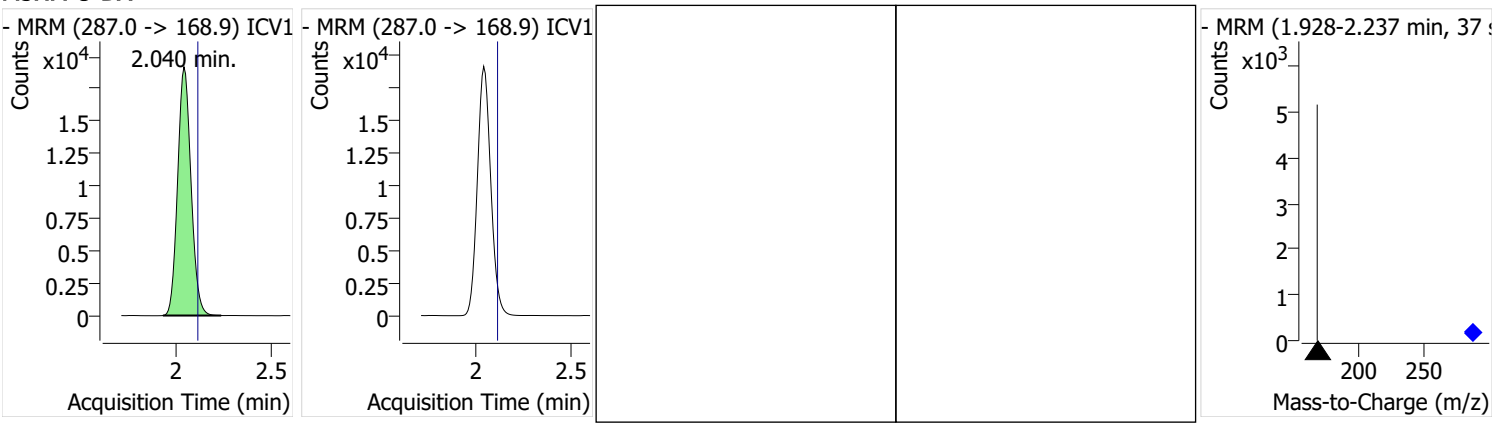
PFOS C13



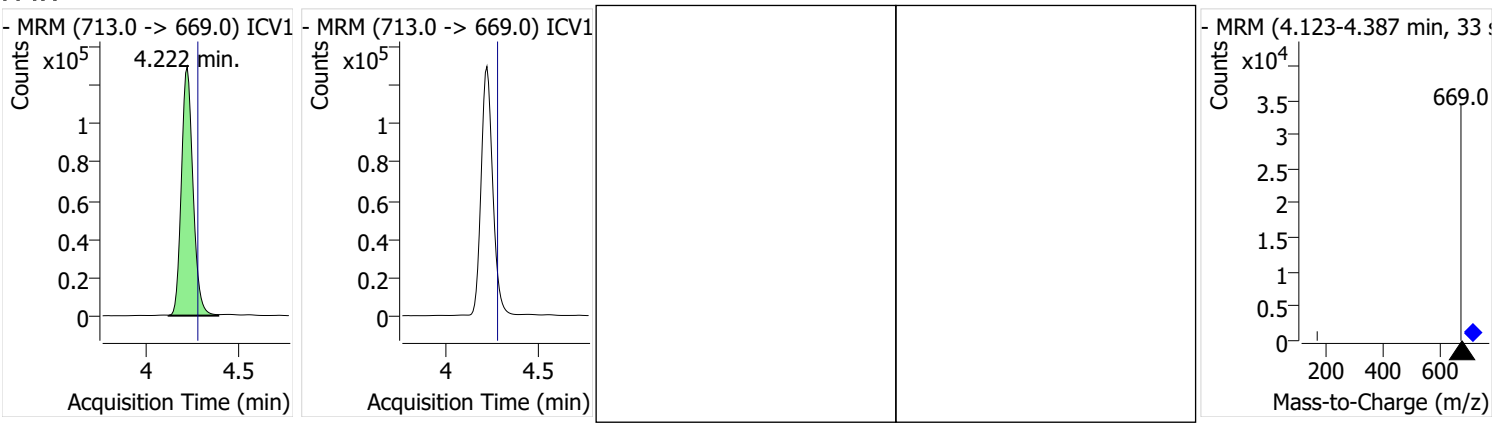
PFOS



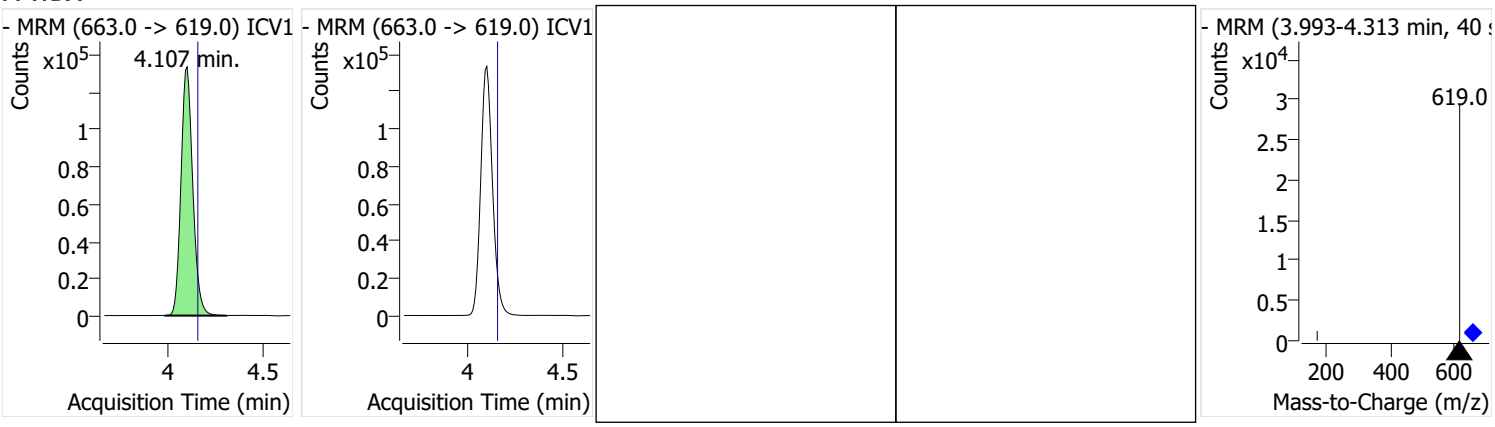
M3HFPO-DA



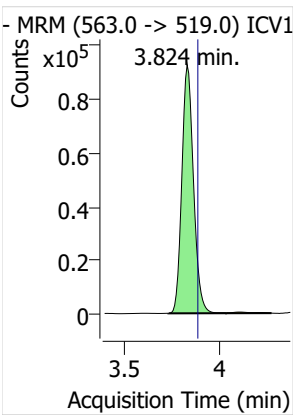
PFTA

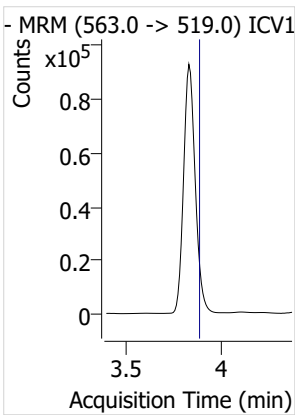


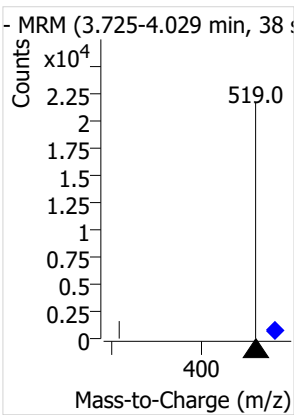
PFTrDA



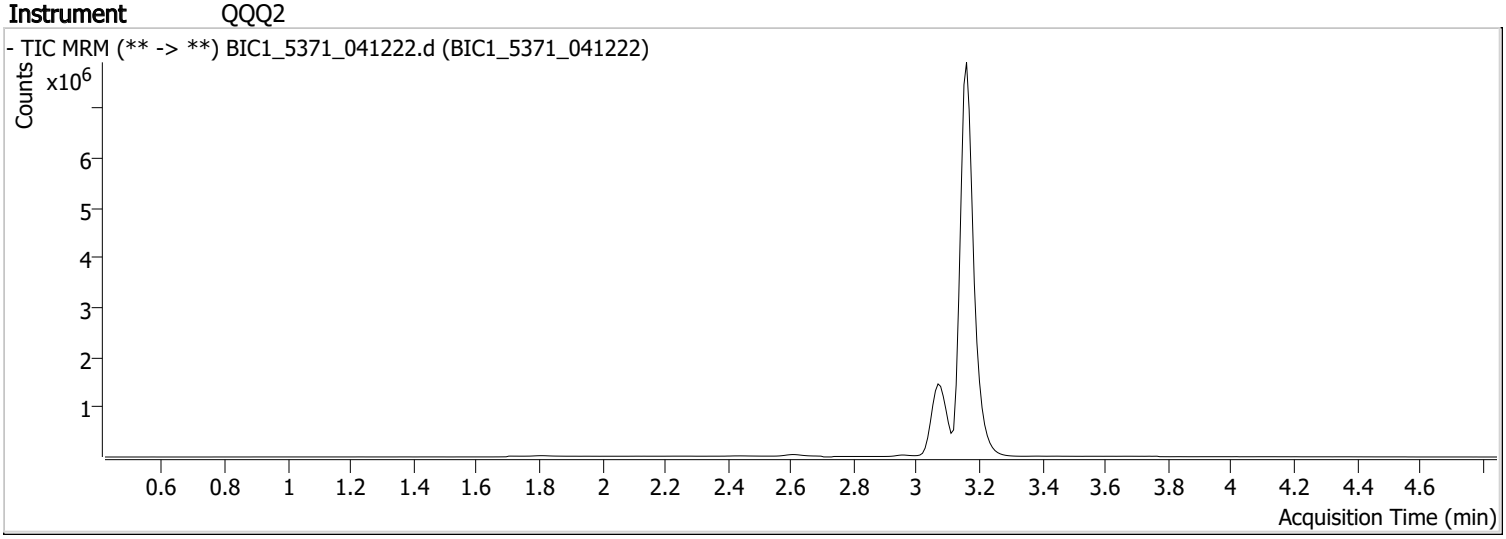
PFUnA


- MRM (563.0 -> 519.0) ICV1
Counts
x10^5
3.824 min.
0.8
0.6
0.4
0.2
0
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) ICV1
Counts
x10^5
0.8
0.6
0.4
0.2
0
3.5
4
Acquisition Time (min)

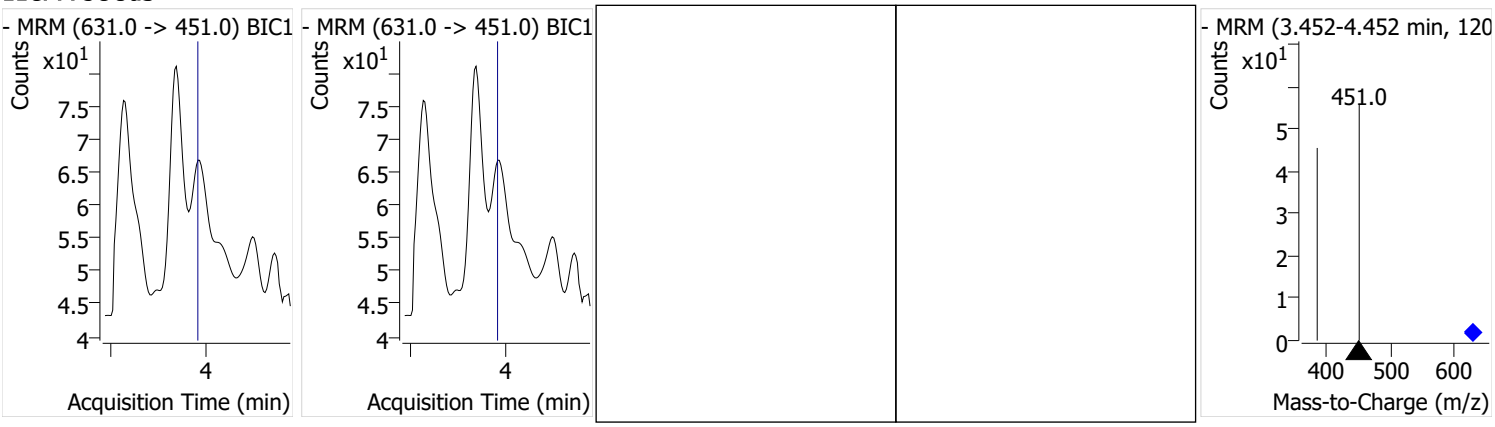

- MRM (3.725-4.029 min, 38
Counts
x10^4
519.0
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
400
Mass-to-Charge (m/z)

Batch Path	D:\MassHunter\Data\APR2022\041222_B\QuantResults\5371_CAL.batch.bin		
Analysis Time	4/13/2022 10:03 AM	**Last Calib Update**	4/13/2022 10:03 AM
Acq. Time	4/12/2022 4:30 PM	**Data File**	BIC1_5371_041222.d
Sample Type	Sample	**Sample Name**	BIC1_5371_041222
Dilution	1	**Acq. Method**	PFAS-ACQUISITION-FULL.m
Sample Comment		**Processing method**	5371_041222.m
Instrument	QQQ2		

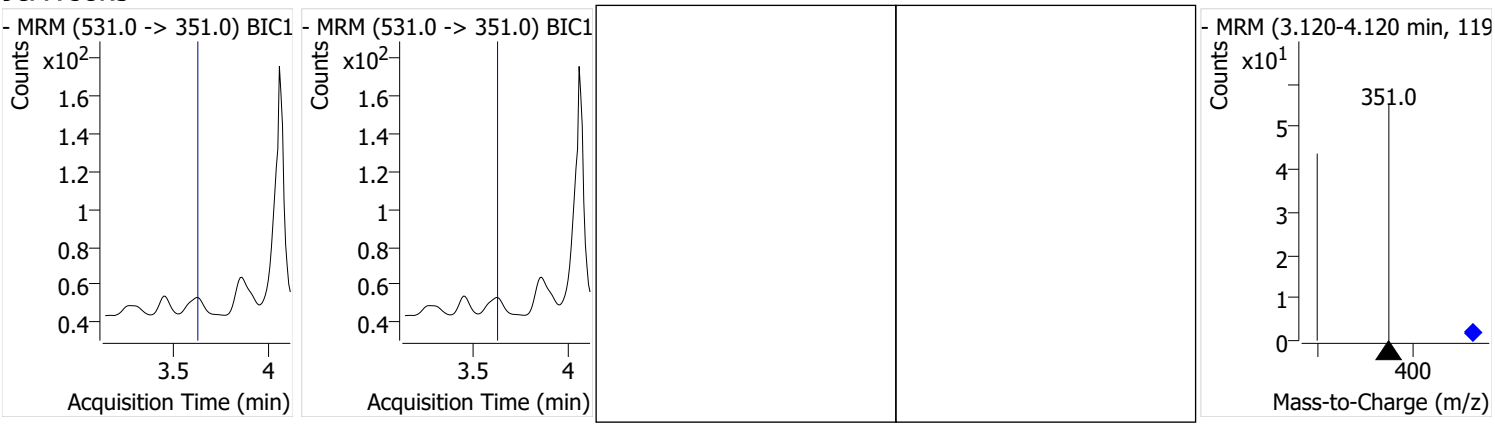


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.442	18	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.442	18	ND	pg/ml			
ADONA			PFOA C13	3.162	16027	ND	pg/ml			
d5-N-EtFOSAA			d3-N-MeFOSAA	3.741	190	ND	pg/ml			
HFPO-DA			PFOA C13	3.162	16027	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	190	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	190	ND	pg/ml			
PFBS			PFOS C13	3.442	18	ND	pg/ml			
PFDA C13			PFOA C13	3.162	16027	ND	pg/ml			
PFDA			PFOA C13	3.162	16027	ND	pg/ml			
PFDoA	4.051	3365	PFOA C13	3.162	16027	2582.5620	pg/ml			
PFHpA	2.608	96922	PFOA C13	3.162	16027	119184.7782	pg/ml			
PFHxA C13			PFOA C13	3.162	16027	ND	pg/ml			
PFHxA	1.814	40225	PFOA C13	3.162	16027	34111.5237	pg/ml			
PFHxS			PFOS C13	3.442	18	ND	pg/ml			
PFNA	3.393	19446	PFOA C13	3.162	16027	15208.7990	pg/ml			
PFOA	3.163	25204832	PFOA C13	3.162	16027	2996909.8545	pg/ml			
PFOS			PFOS C13	3.442	18	ND	pg/ml			
M3HFPO-DA			PFOA C13	3.162	16027	ND	pg/ml			
PFTA	4.321	3236	PFOA C13	3.162	16027	1991.0320	pg/ml			
PFTrDA	4.181	5947	PFOA C13	3.162	16027	3514.0071	pg/ml			
PFUnA	4.103	5626	PFOA C13	3.162	16027	4681.5430	pg/ml			

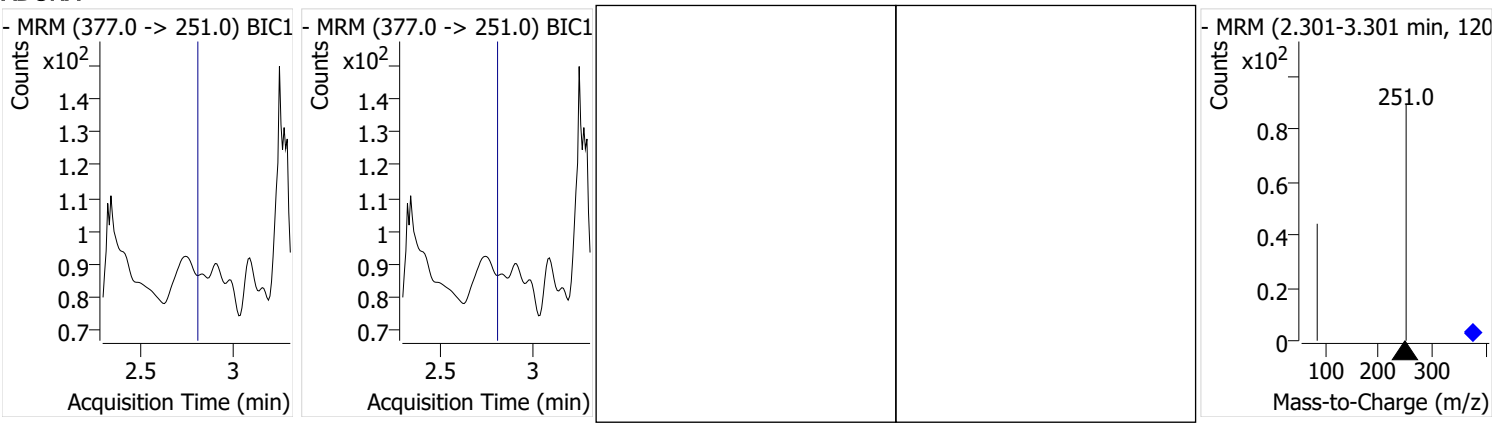
11Cl-PF3OUdS



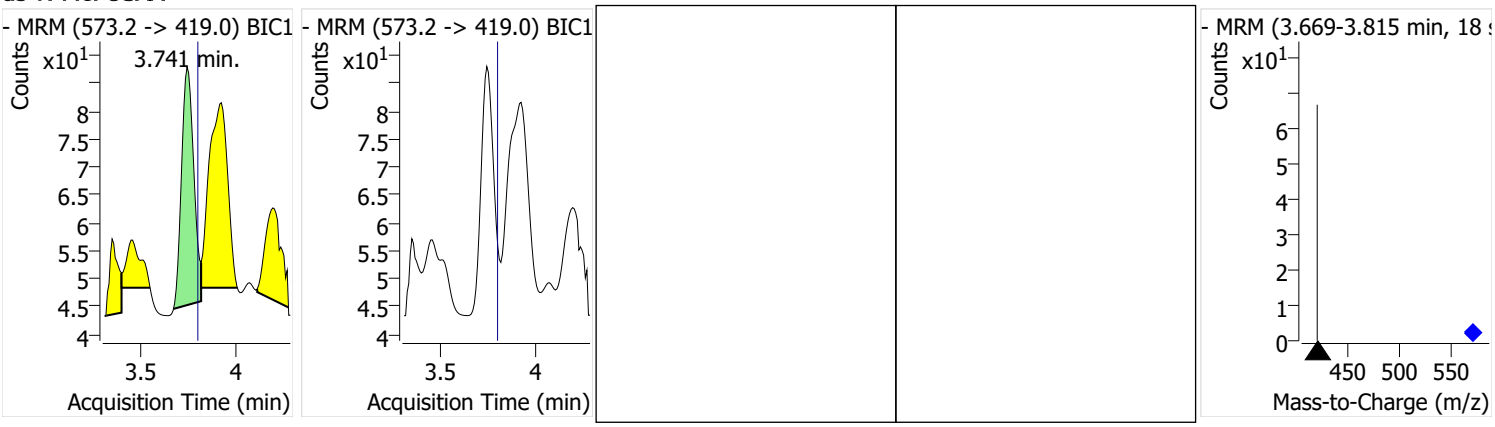
9Cl-PF3ONS



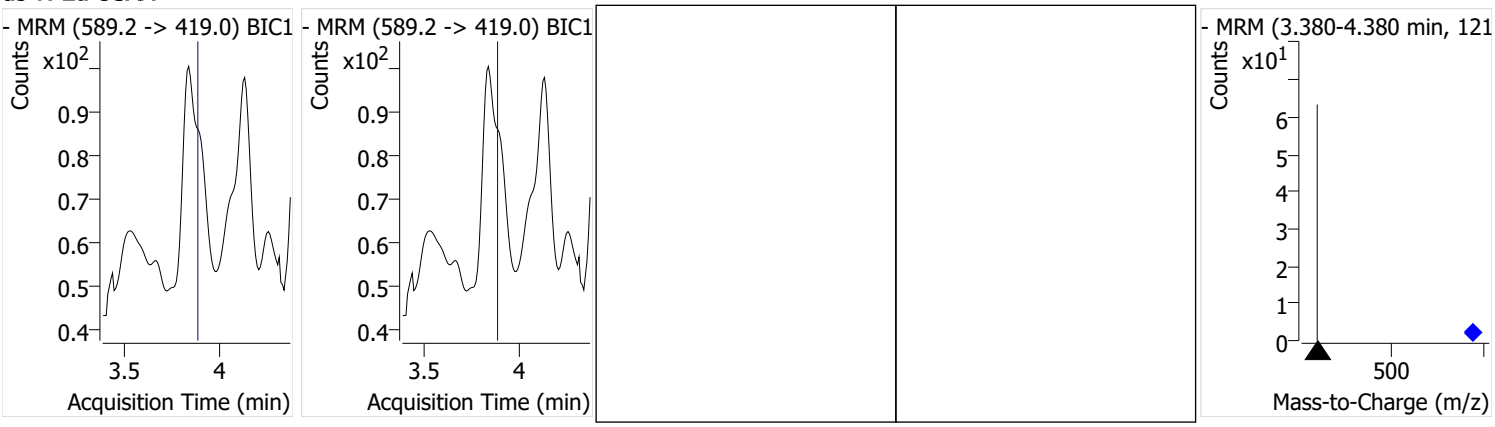
ADONA



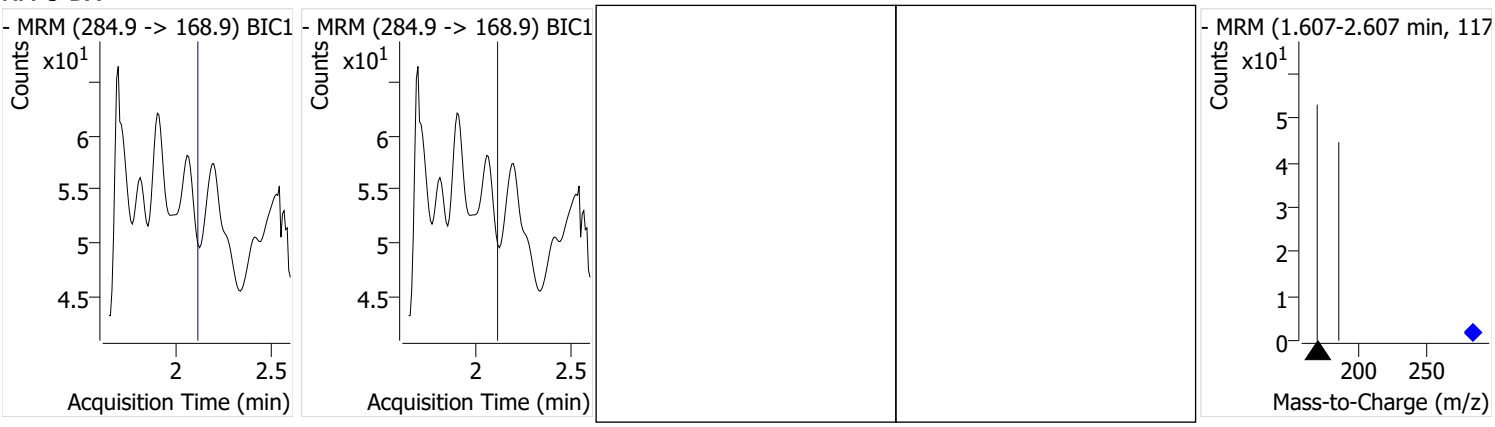
d3-N-MeFOSAA



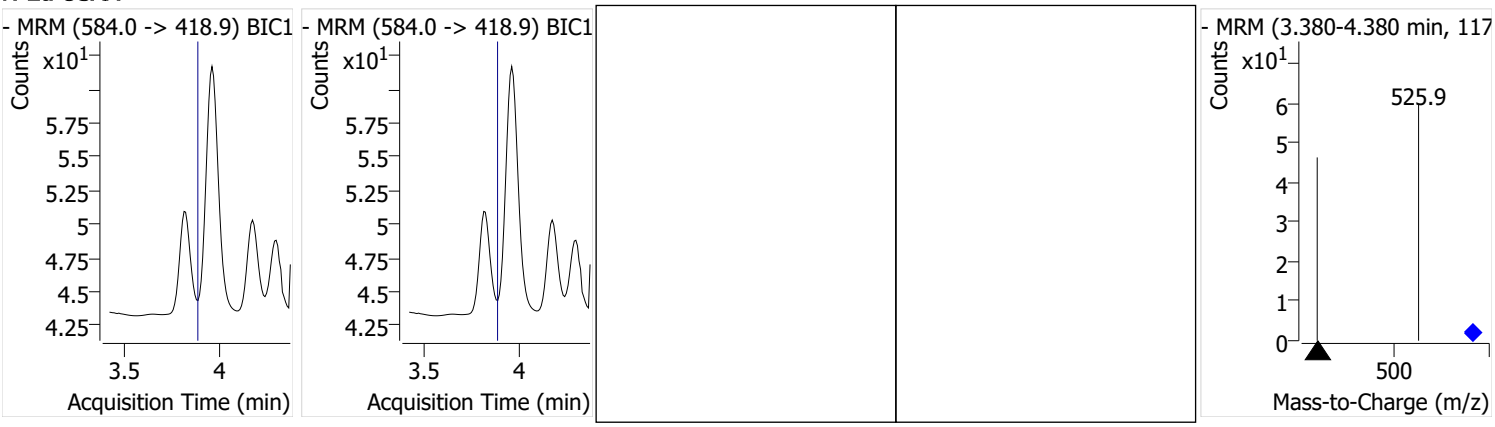
d5-N-EtFOSAA



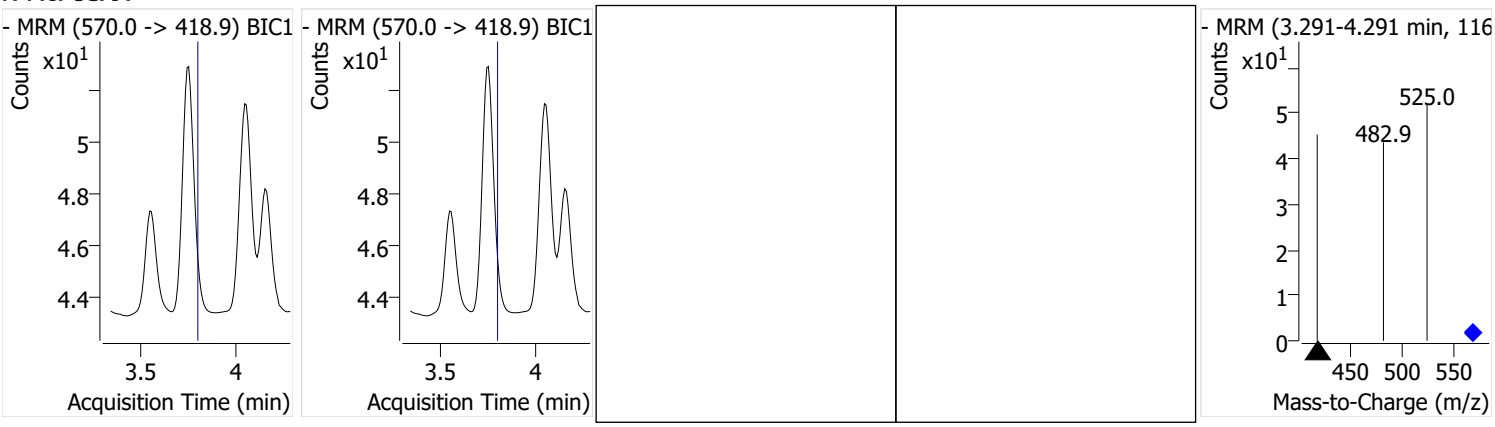
HFPO-DA



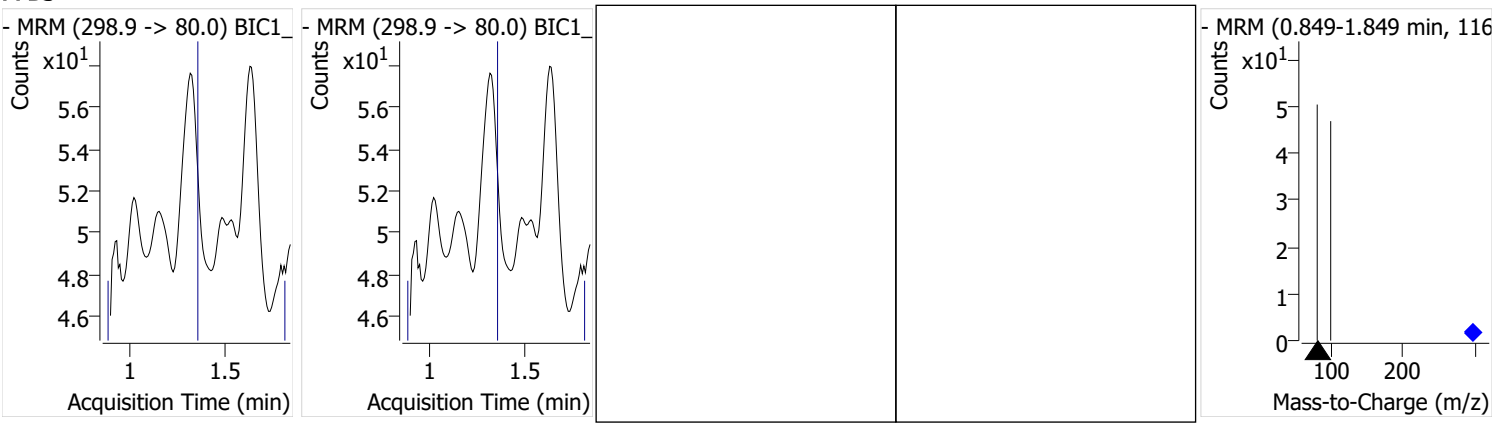
N-EtFOSAA



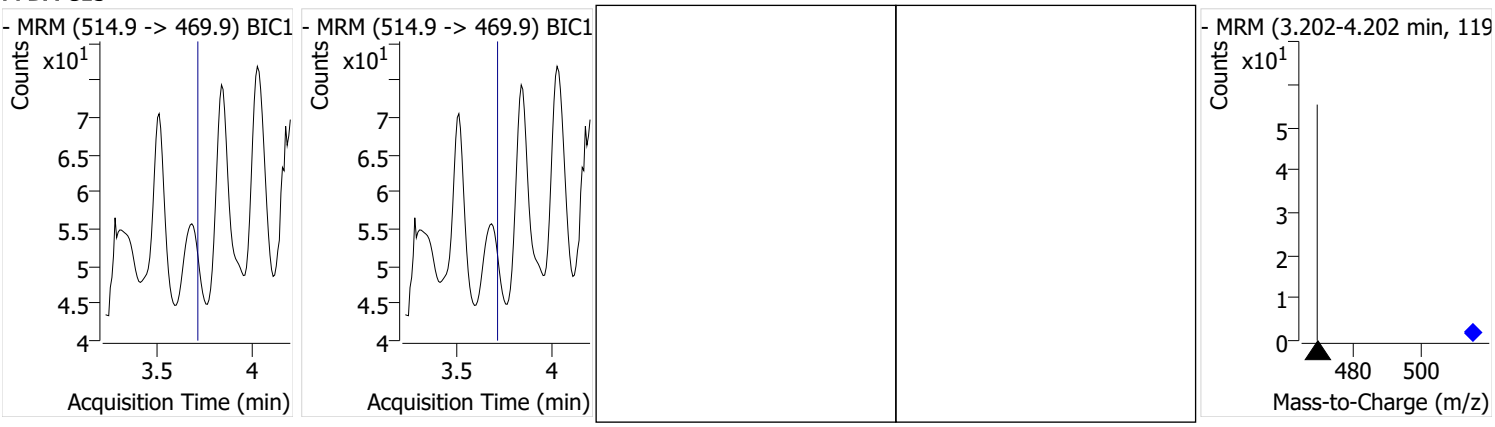
N-MeFOSAA



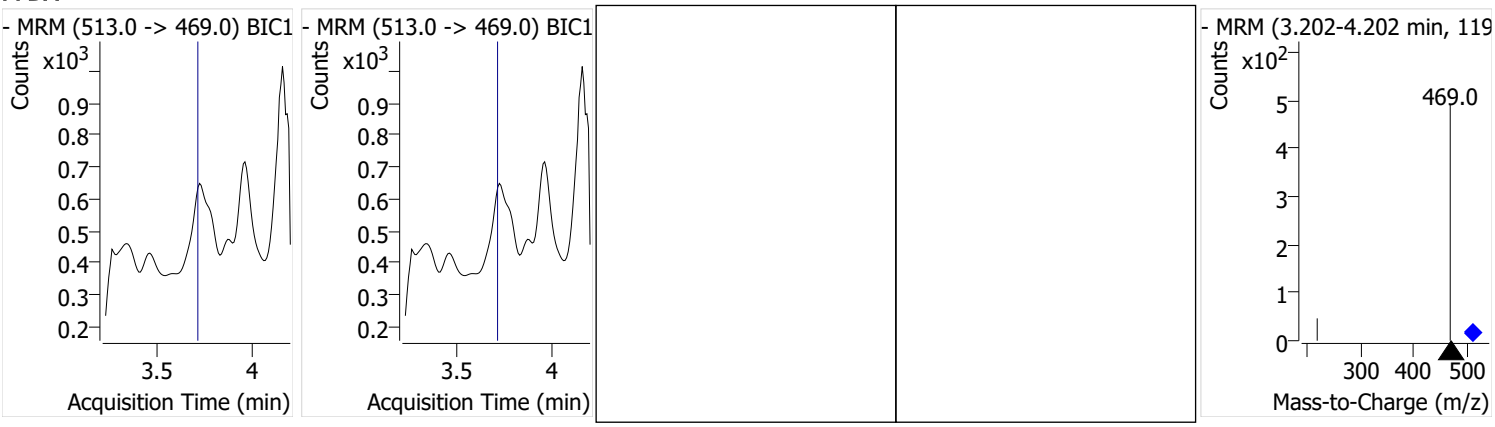
PFBS



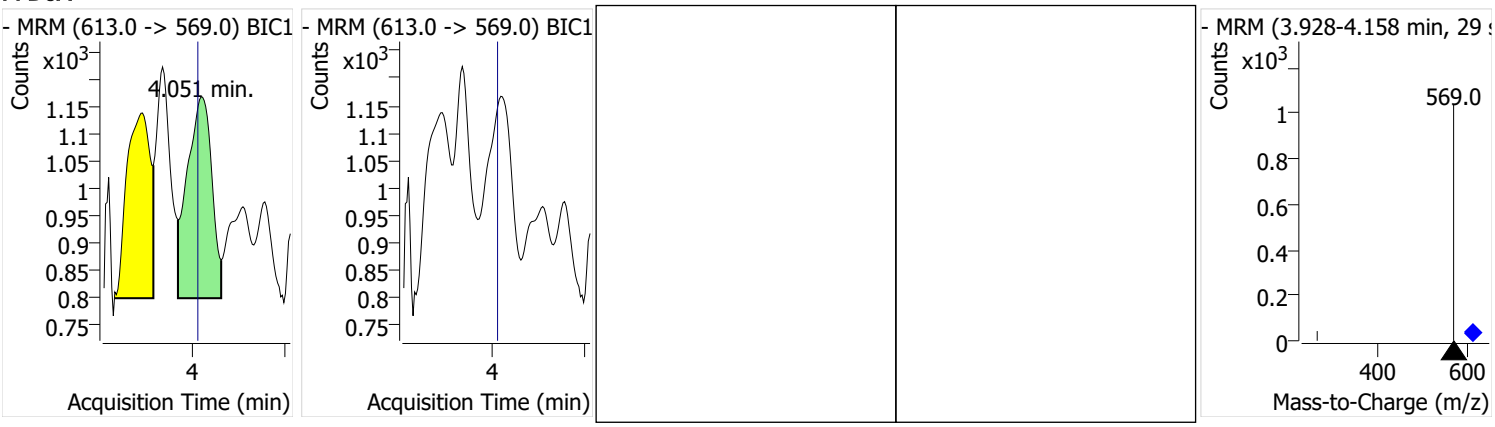
PFDA C13



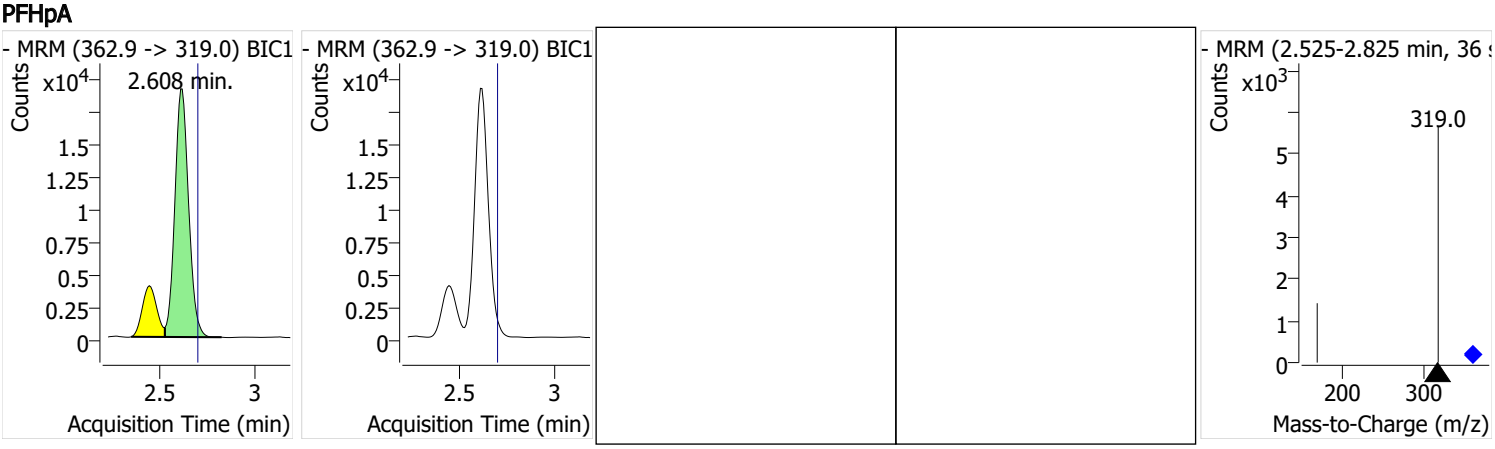
PFDA



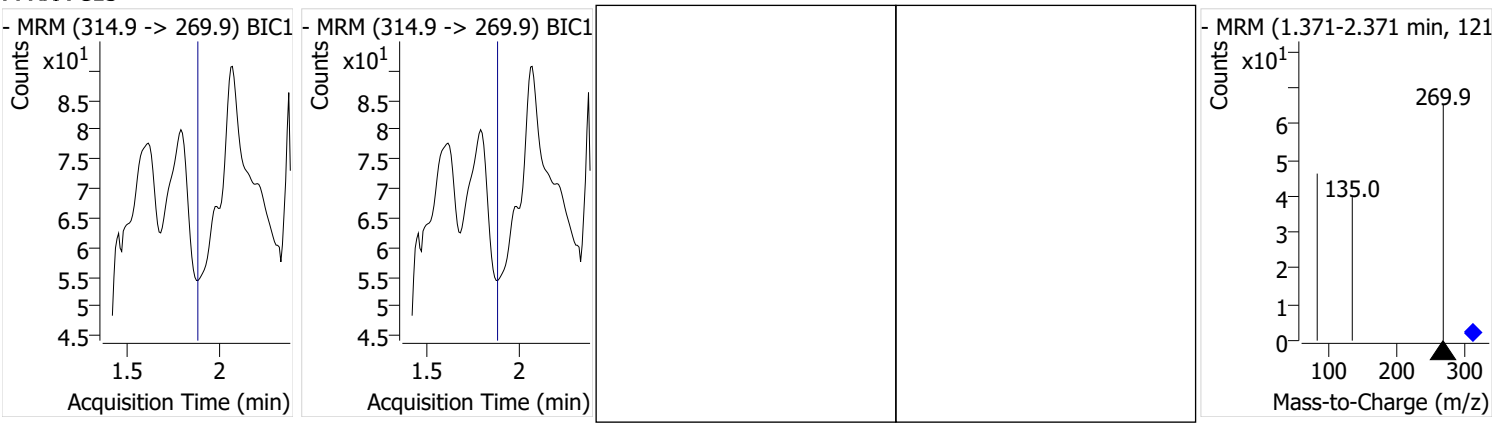
PFDoA



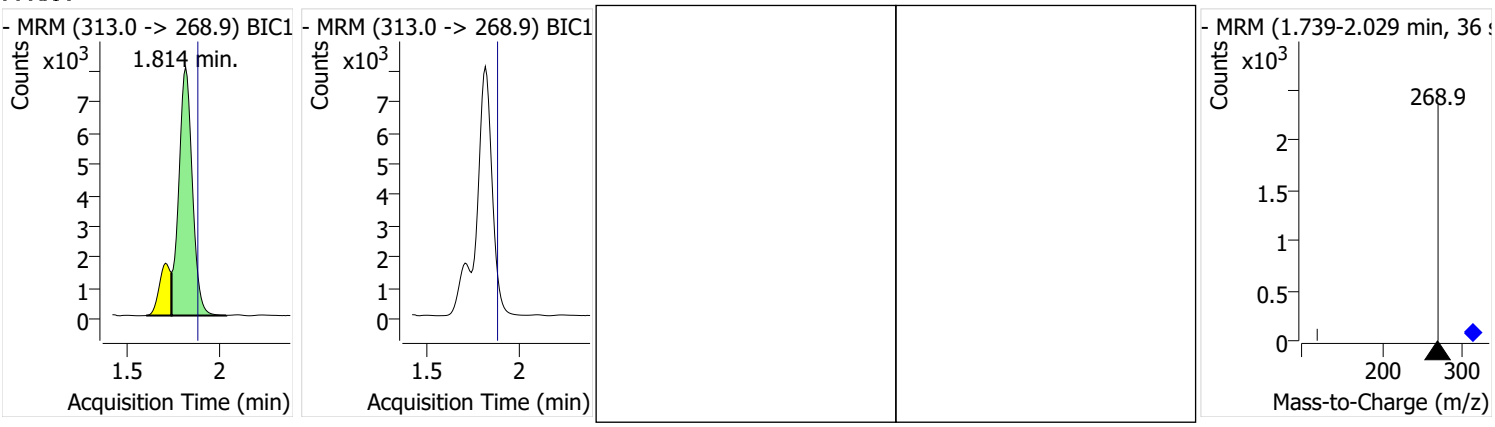
PFHpA



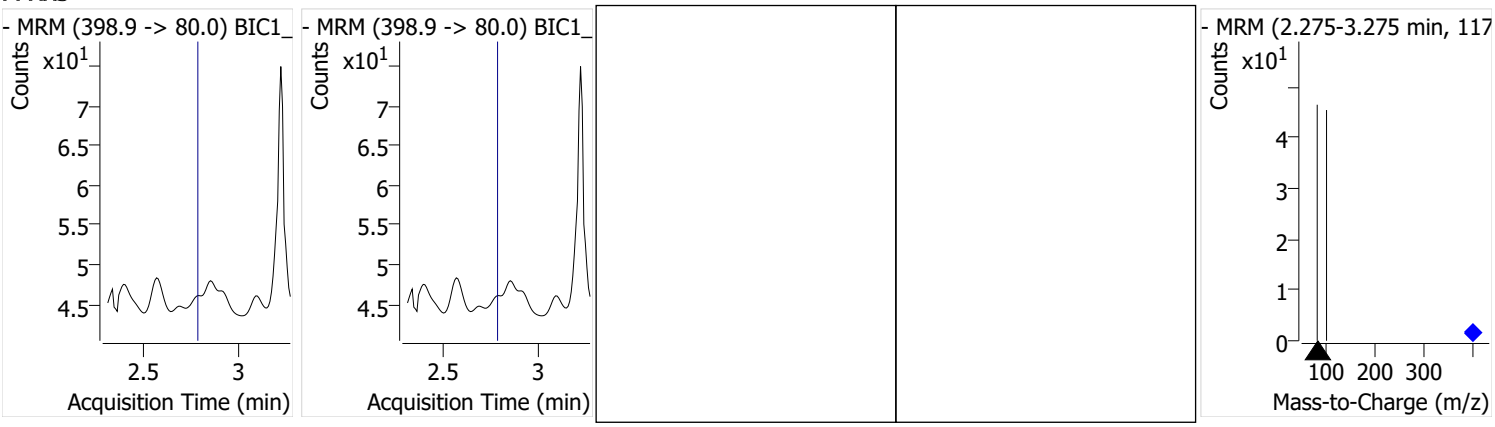
PFHxA C13



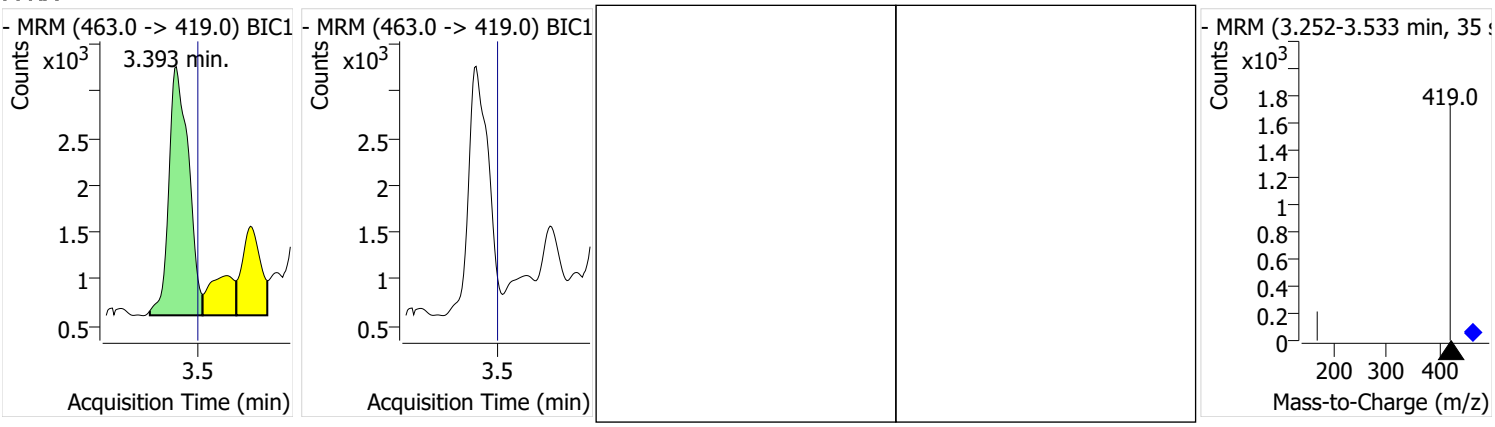
PFHxA



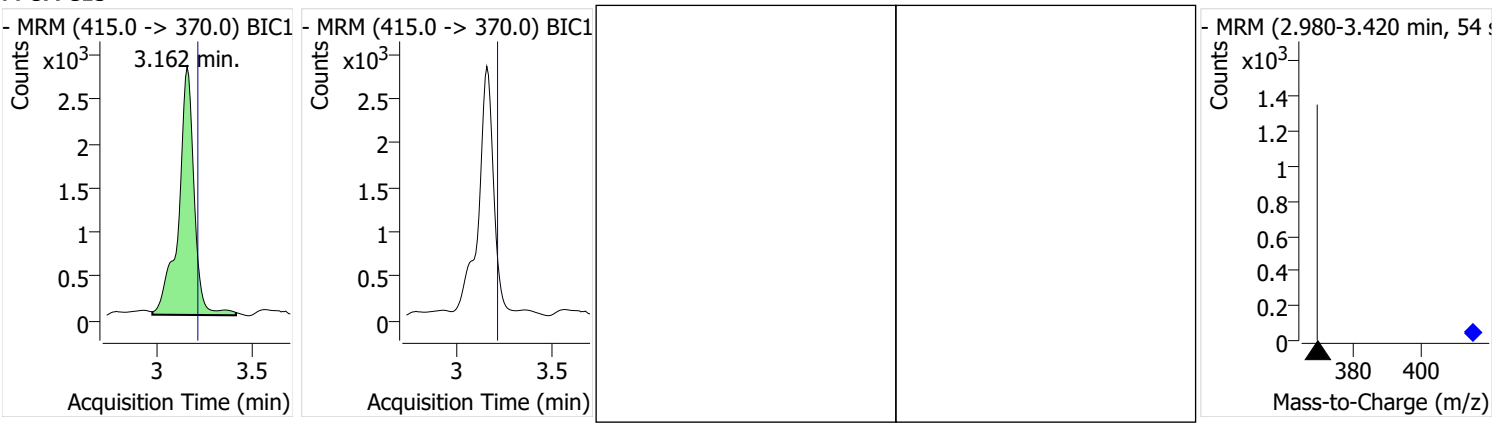
PFHxS



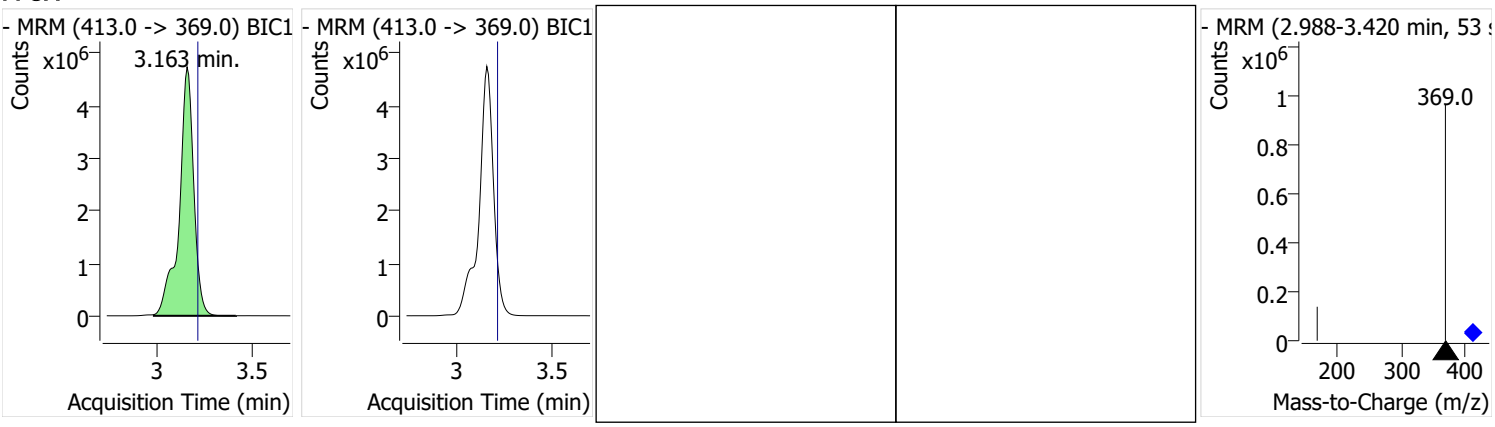
PFNA



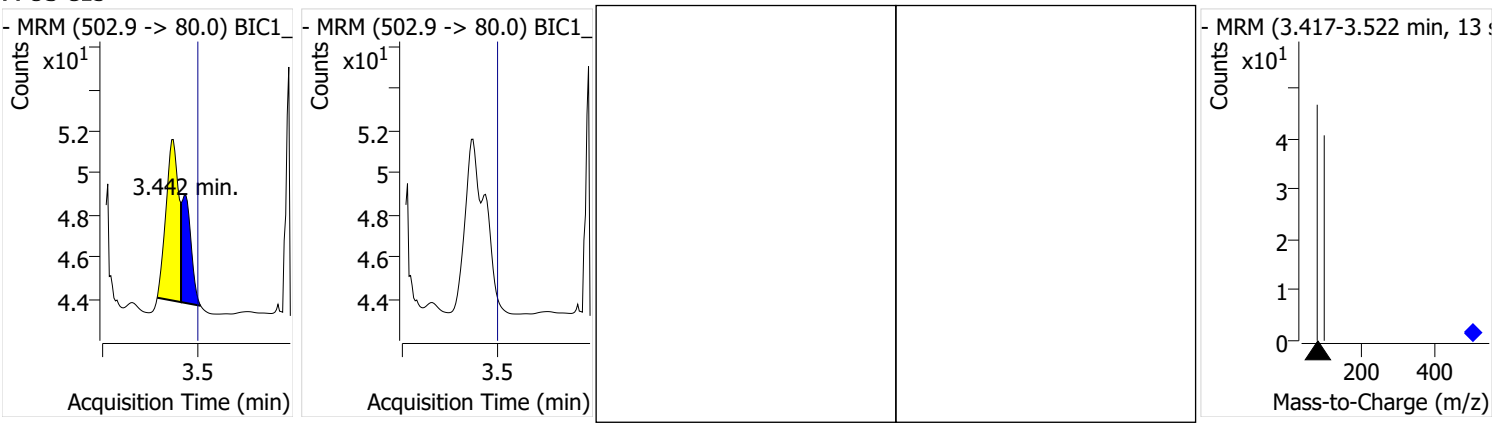
PFOA C13



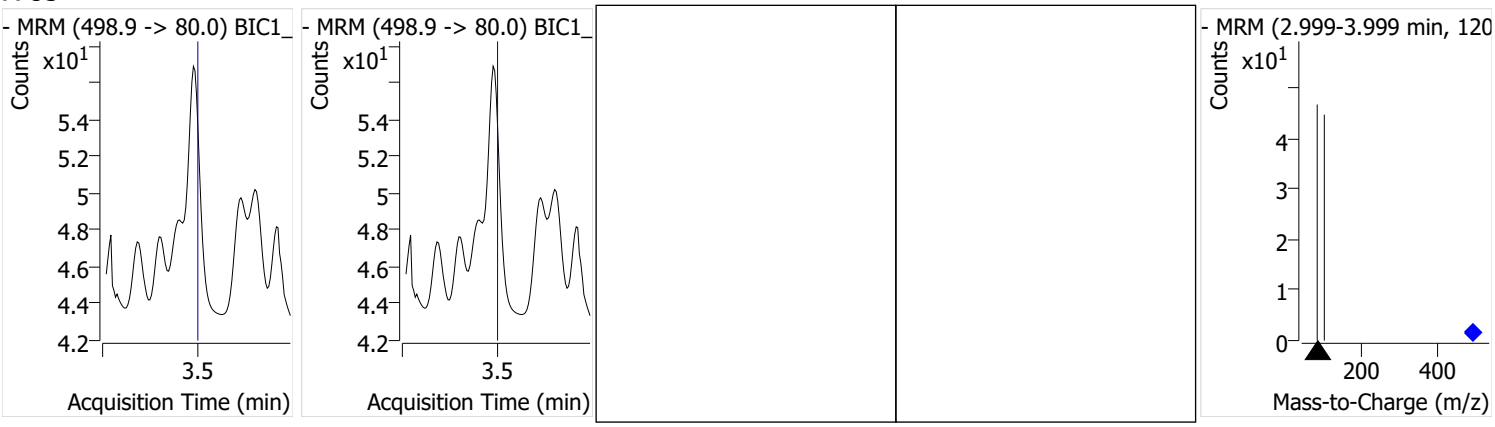
PFOA



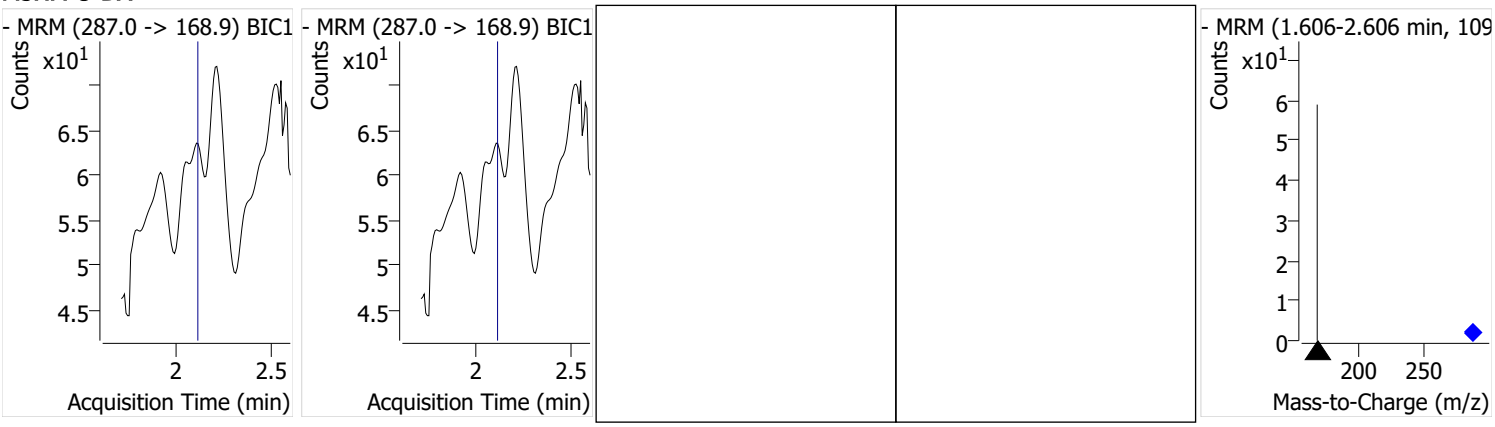
PFOS C13



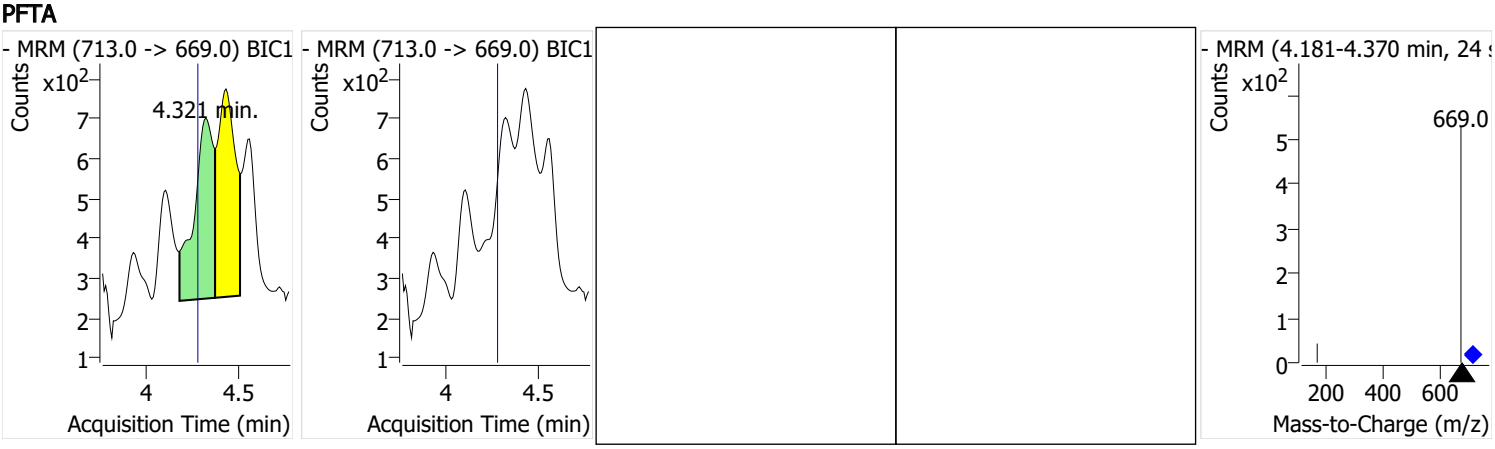
PFOS



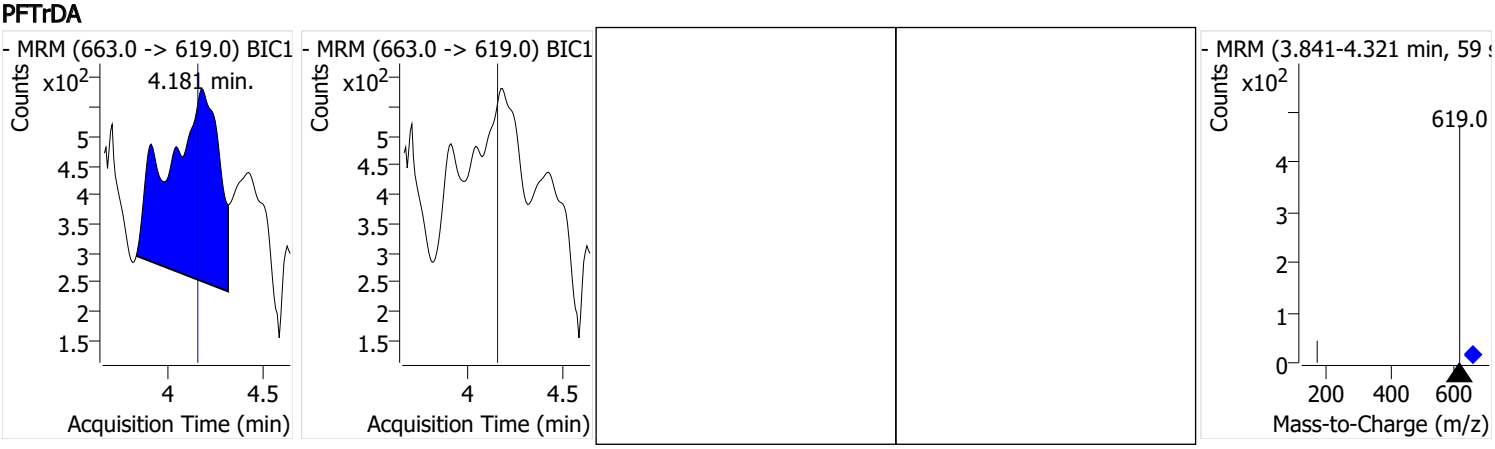
M3HFPO-DA



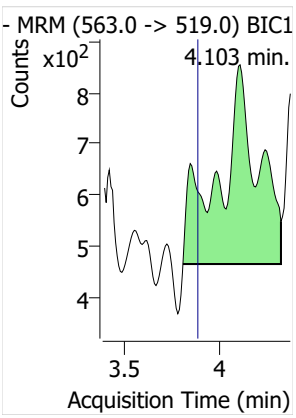
PFTA

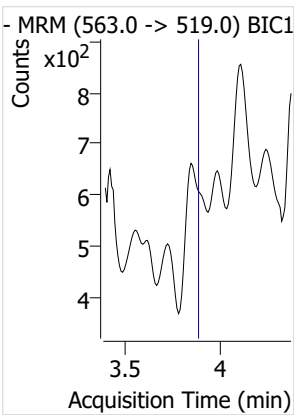


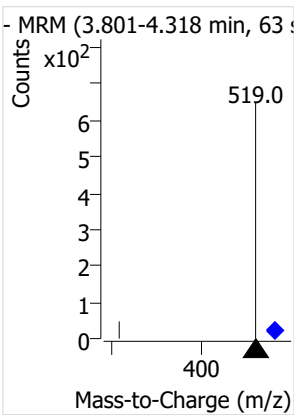
PFTrDA



PFUnA


- MRM (563.0 -> 519.0) BIC1
Counts
x10^2
4.103 min.
8
7
6
5
4
3.5
4
Acquisition Time (min)


- MRM (563.0 -> 519.0) BIC1
Counts
x10^2
8
7
6
5
4
3.5
4
Acquisition Time (min)


- MRM (3.801-4.318 min, 63
Counts
x10^2
519.0
6
5
4
3
2
1
0
400
Mass-to-Charge (m/z)

CONTINUING CALIBRATION VERIFICATION

EPA 537.1

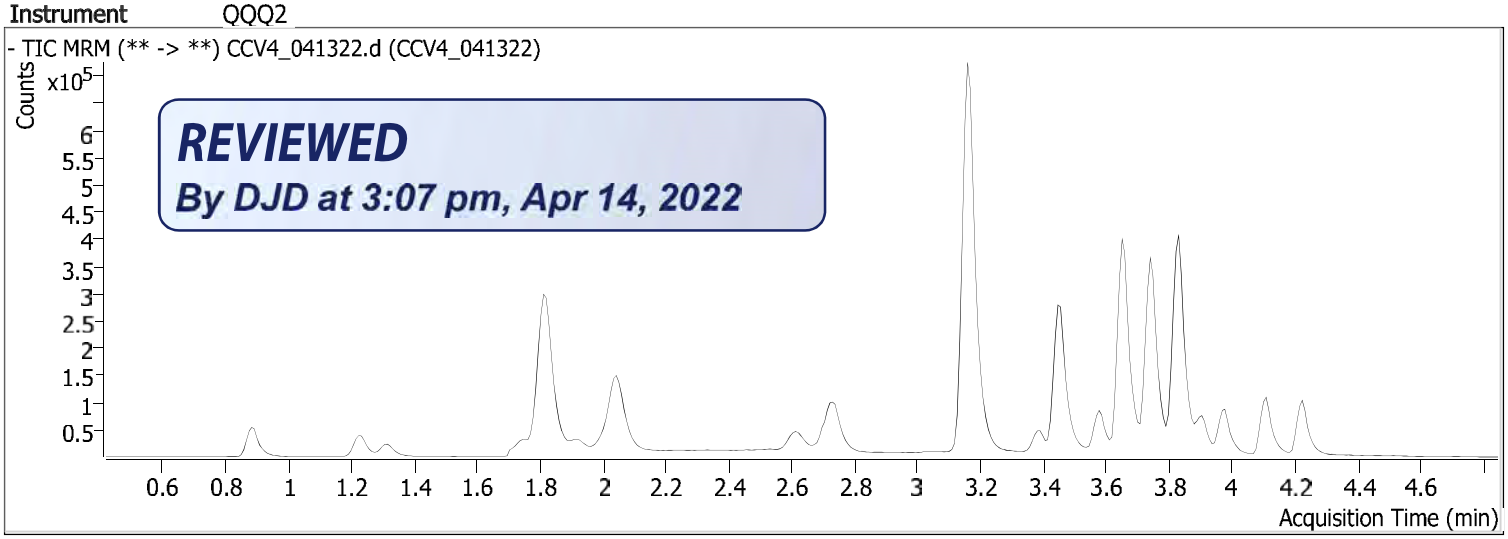
Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	QQQ2	Calibration:	2200181
Lab File ID:	CCV4_041322.d	Calibration Date:	04/12/22 00:00
Sequence:	S070364	Injection Date:	04/13/22
Lab Sample ID:	S070364-CCV1	Injection Time:	12:34

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Perfluorobutanesulfonic acid (PFBS)	A	2220	2290	1.684422	1.878718		3.1	30
Perfluorohexanoic acid (PFHxA)	A	2500	2770	0.669973	0.77951		10.6	30
Perfluorohexanesulfonic acid (PFHxS)	A	2280	2390	1.195419	1.283034		4.9	30
Perfluoroheptanoic acid (PFHpA)	A	2500	2670	0.3979502	0.4575048		6.9	30
Perfluorooctanoic acid (PFOA)	A	2500	2930	0.9955872	1.191057		17.1	30
Perfluorooctanesulfonic acid (PFOS)	A	2320	2470	0.9818776	1.073035		6.4	30
Perfluorononanoic acid (PFNA)	A	2500	2960	0.7665662	0.9454325		18.5	30
Perfluorodecanoic acid (PFDA)	A	2500	2680	0.7588026	0.8742039		7.2	30
N-EtFOSAA	A	2500	3000	0.8453893	1.03472		19.9	30
Perfluoroundecanoic acid (PFUnA)	A	2500	2640	0.726185	0.7921818		5.6	30
N-MeFOSAA	A	2500	2540	0.9795923	1.11553		1.6	30
Perfluorododecanoic acid (PFDoA)	A	2500	2790	0.7774324	0.9077592		11.6	30
Perfluorotridecanoic acid (PFTrDA)	A	2500	2850	1.024468	1.201447		13.9	30
Perfluorotetradecanoic acid (PFTA)	A	2500	2770	0.9675388	1.123602		10.6	30
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	2500	2500	4.743419E-02	4.692457E-02		-0.006	30
11Cl-PF3OUdS (F53B Minor)	A	2360	2490	2.065157	2.322846		5.5	30
9Cl-PF3ONS (F53B Major)	A	2330	2520	6.133142	6.770219		8.2	30
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	2360	2640	1.345973	1.550564		12.0	30
13C-PFHxA	A	10000	10000	0.9150334	0.9154858		0.05	30
M3HFPO-DA	A	10000	9900	9.306352E-02	9.215068E-02		-1.0	30
13C-PFDA	A	10000	9940	0.8621041	0.8570016		-0.6	30
d5-NEtFOSAA	A	40000	39800	0.9259537	0.9207461		-0.6	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

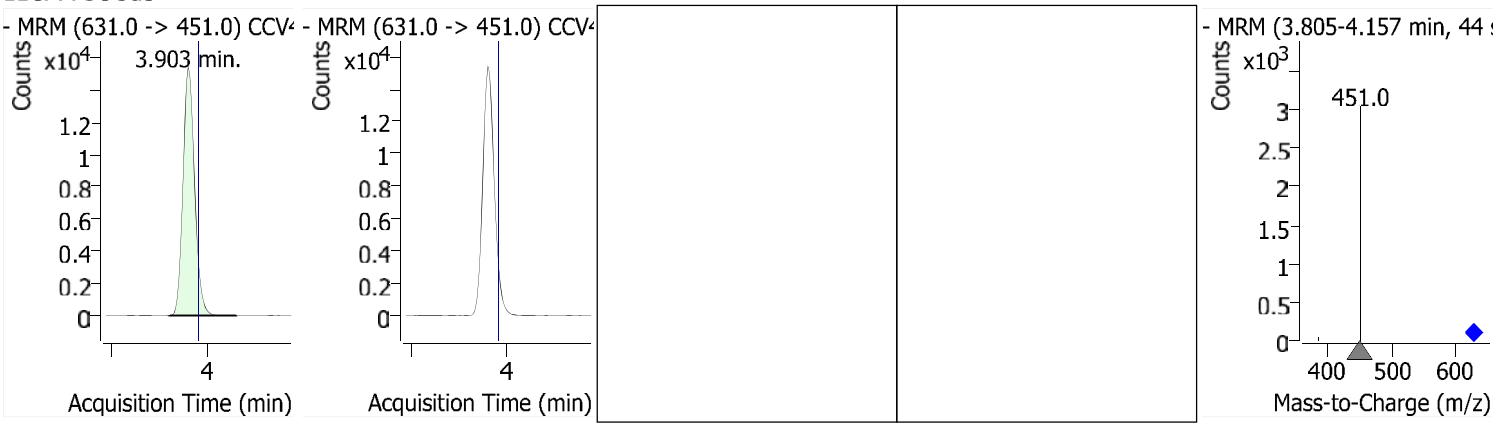
* Values outside of QC limits

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Acq. Time	4/13/2022 12:34 PM	Data File	CCV4_041322.d
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Sample Comment	E#2203535	Processing method	5371_041222.m
Instrument	QQQ2		

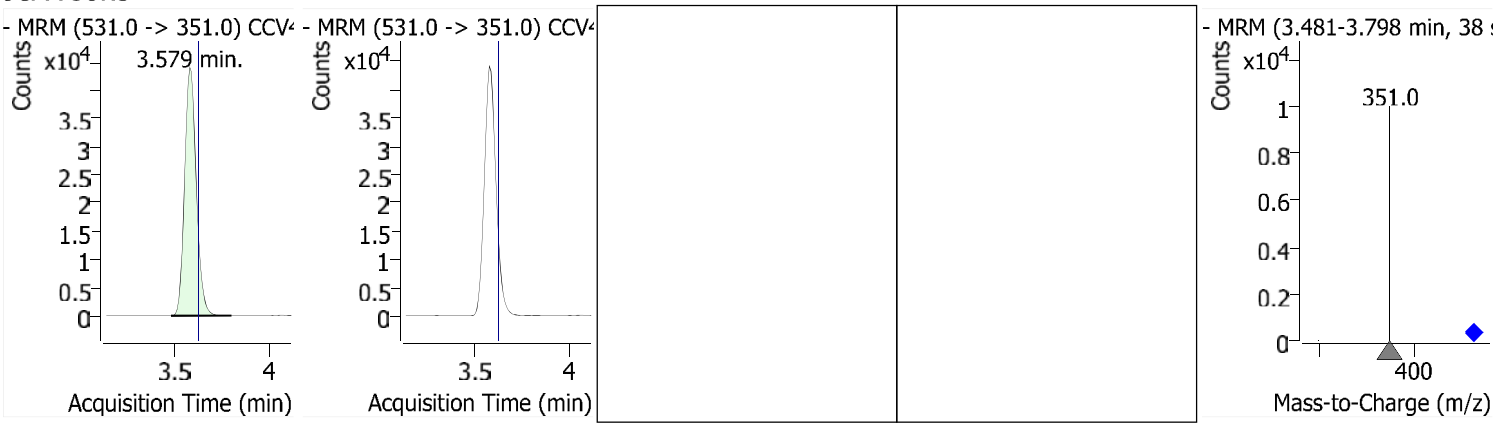


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	65004	PFOS C13	3.458	340322	2488.9978	pg/ml			
9Cl-PF3ONS	3.579	187054	PFOS C13	3.458	340322	2521.5060	pg/ml			
ADONA	2.733	319479	PFOA C13	3.162	873053	2644.2588	pg/ml			
d5-N-EtFOSAA	3.831	780905	d3-N-MeFOSAA	3.741	848122	39775.0370	pg/ml			
HFPO-DA	2.049	10242	PFOA C13	3.162	873053	2499.8435	pg/ml			
N-EtFOSAA	3.831	54848	d3-N-MeFOSAA	3.741	848122	2997.1954	pg/ml			
N-MeFOSAA	3.750	59132	d3-N-MeFOSAA	3.741	848122	2539.0250	pg/ml			
PFBS	1.316	49456	PFOS C13	3.458	340322	2289.4096	pg/ml			
PFDA C13	3.661	748208	PFOA C13	3.162	873053	9940.8152	pg/ml			
PFDA	3.653	190807	PFOA C13	3.162	873053	2680.1293	pg/ml			
PFDoA	3.977	198130	PFOA C13	3.162	873053	2790.6149	pg/ml			
PFHpA	2.617	99856	PFOA C13	3.162	873053	2672.2624	pg/ml			
PFHxA C13	1.822	799268	PFOA C13	3.162	873053	10004.9450	pg/ml			
PFHxA	1.822	170138	PFOA C13	3.162	873053	2766.1021	pg/ml			
PFHxS	2.708	34688	PFOS C13	3.458	340322	2391.9557	pg/ml			
PFNA	3.451	206353	PFOA C13	3.162	873053	2962.7714	pg/ml			
PFOA	3.163	259964	PFOA C13	3.162	873053	2927.8011	pg/ml			
PFOS	3.459	29520	PFOS C13	3.458	340322	2469.6255	pg/ml			
M3HFPO-DA	2.048	80452	PFOA C13	3.162	873053	9901.9132	pg/ml			
PFTA	4.222	245241	PFOA C13	3.162	873053	2765.0882	pg/ml			
PFTrDA	4.107	262232	PFOA C13	3.162	873053	2847.9095	pg/ml			
PFUnA	3.824	172904	PFOA C13	3.162	873053	2639.2098	pg/ml			

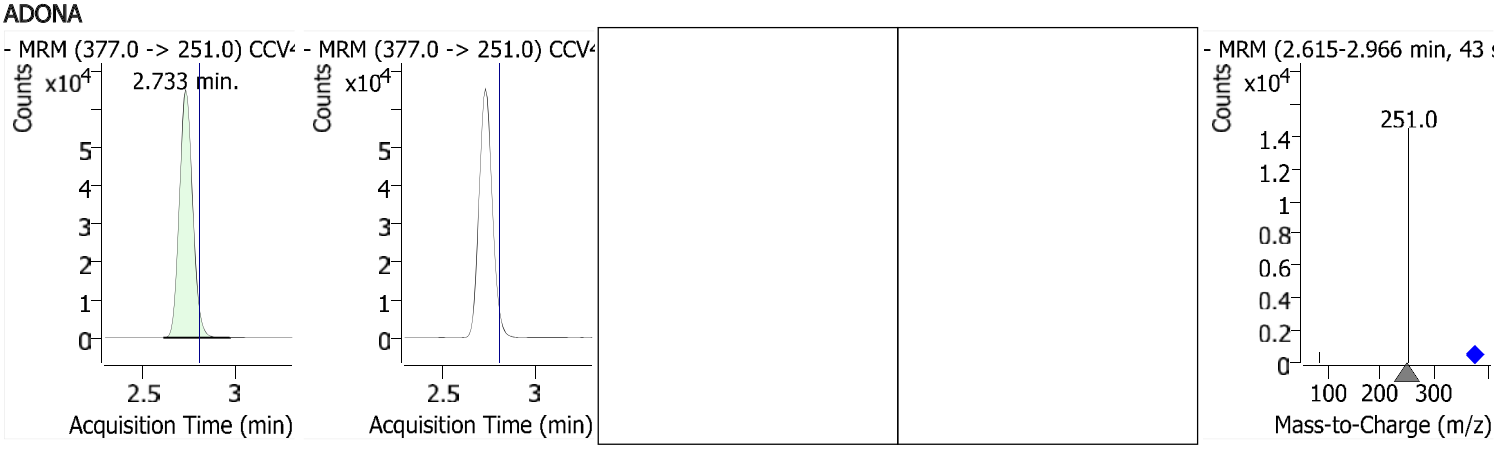
11Cl-PF3OUdS



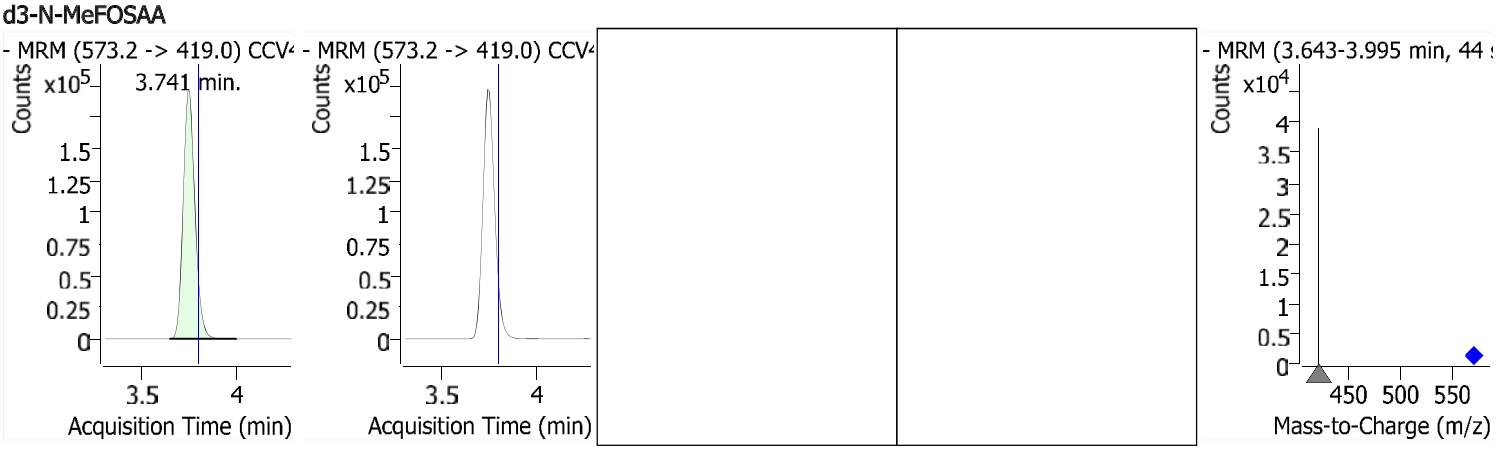
9Cl-PF3ONS



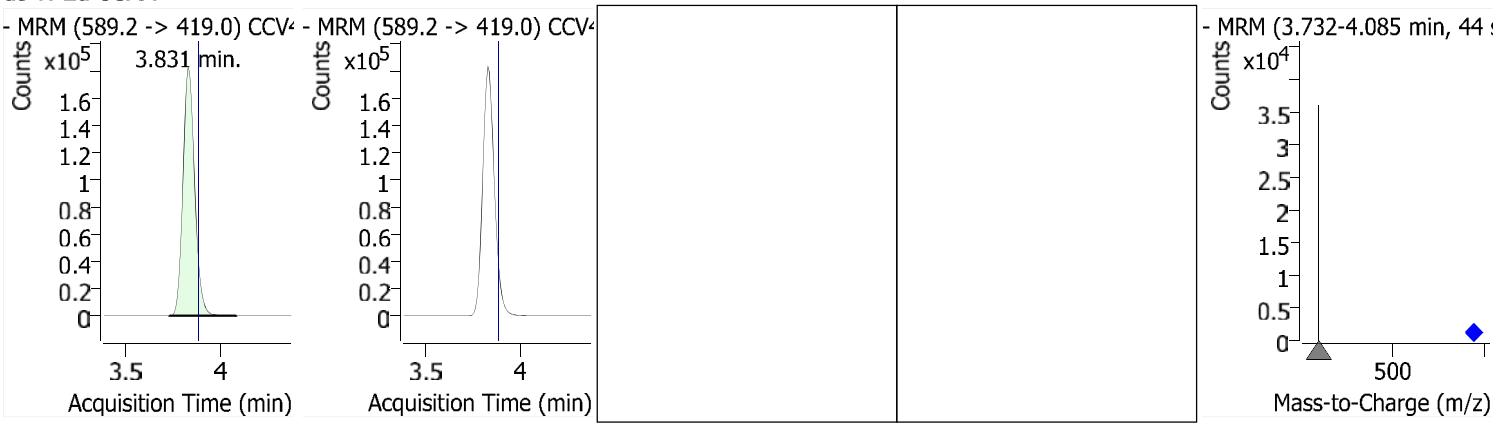
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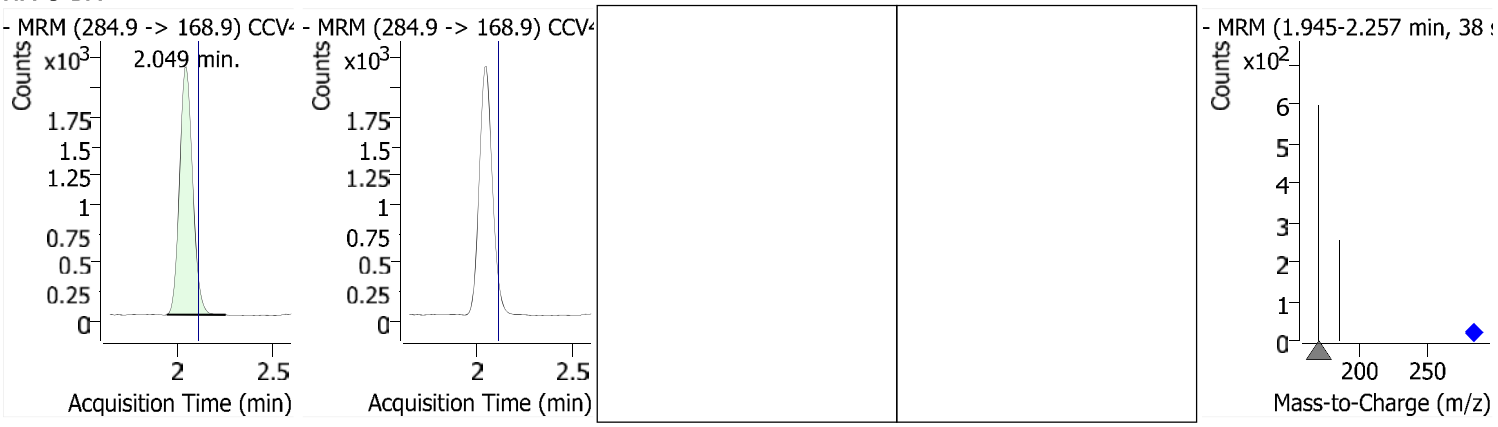
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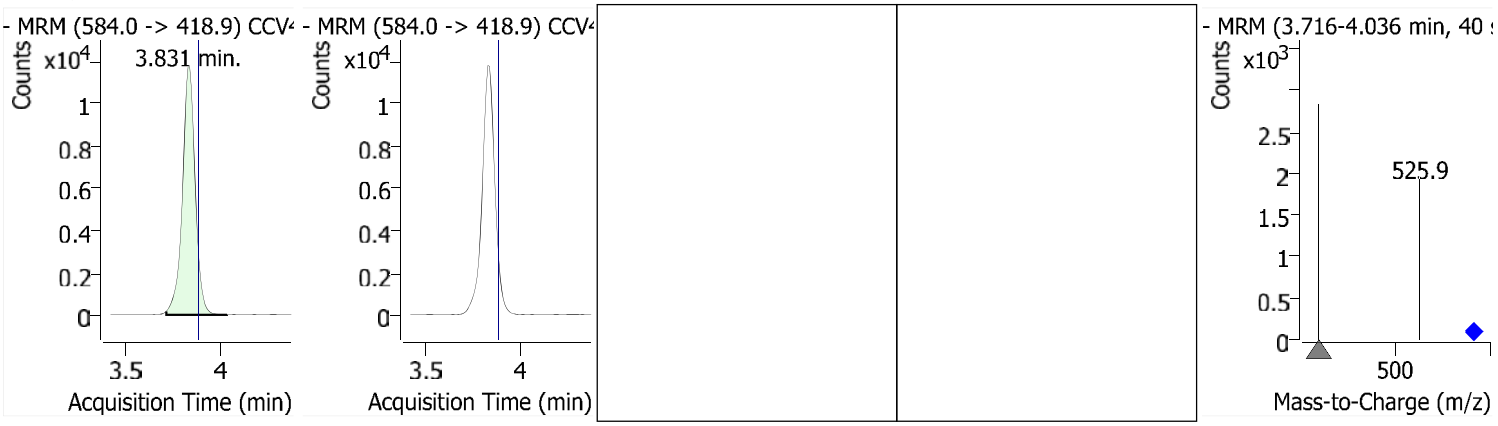
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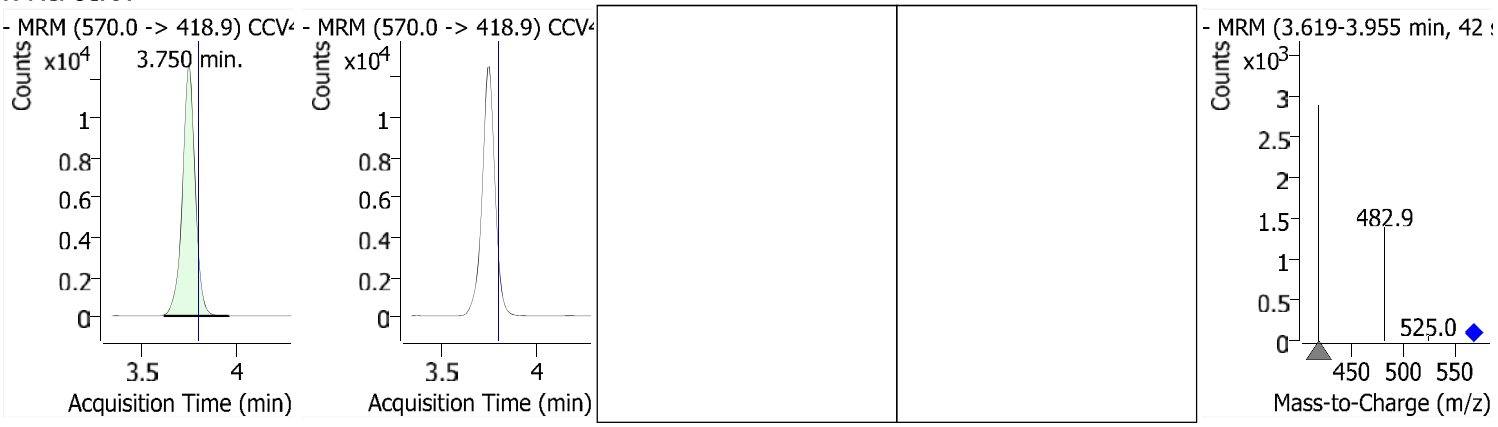
HFPO-DA



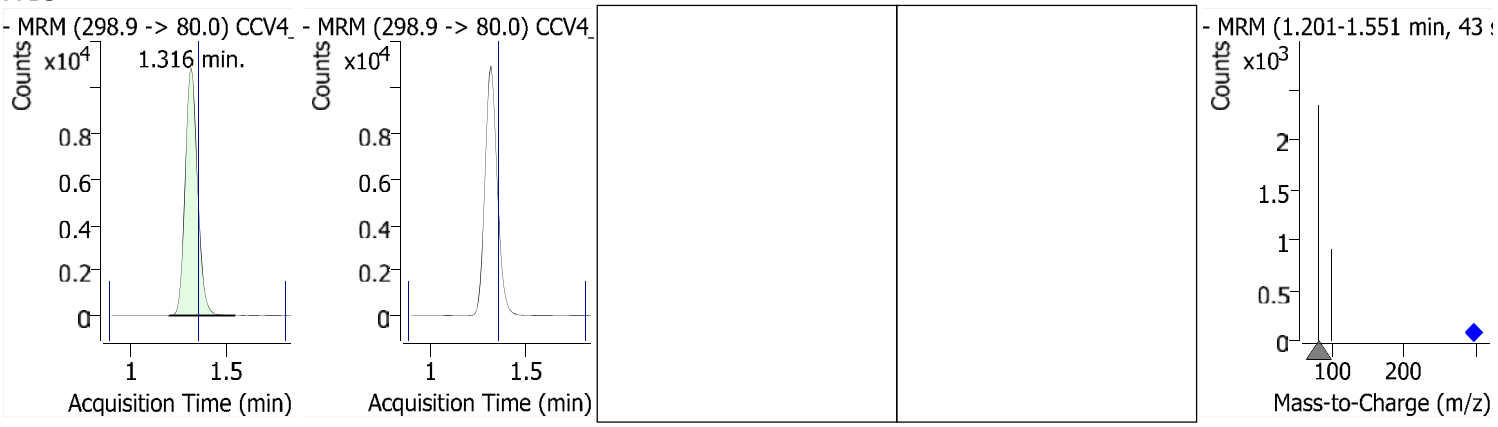
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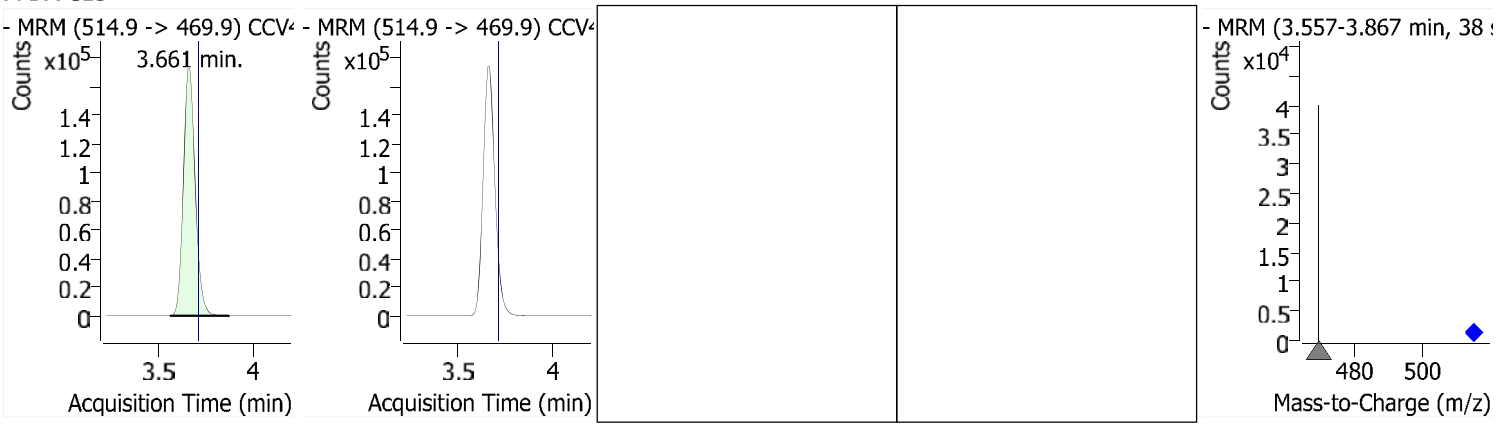
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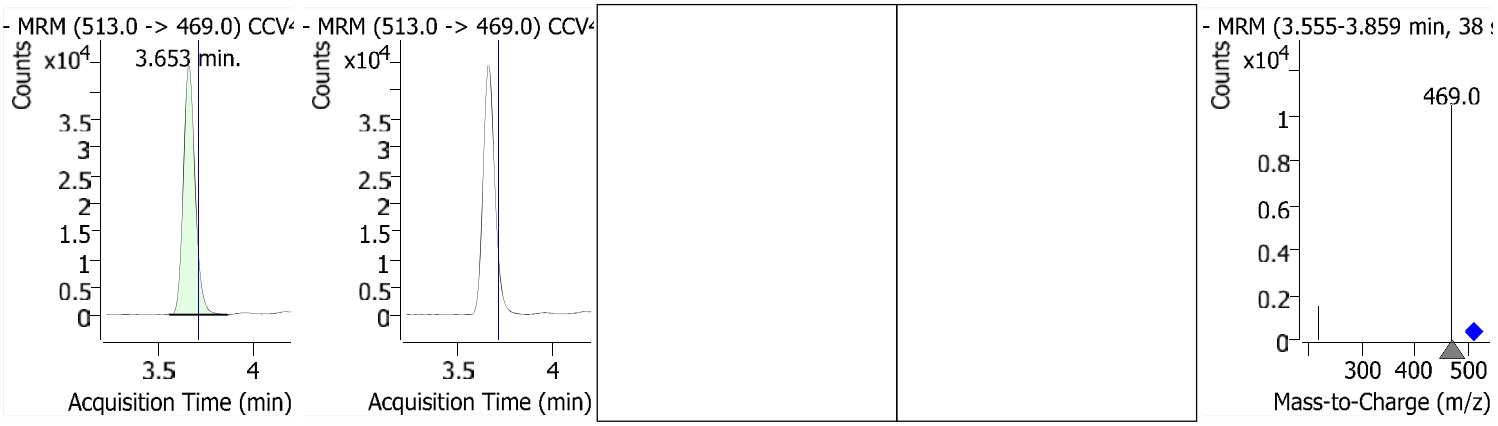
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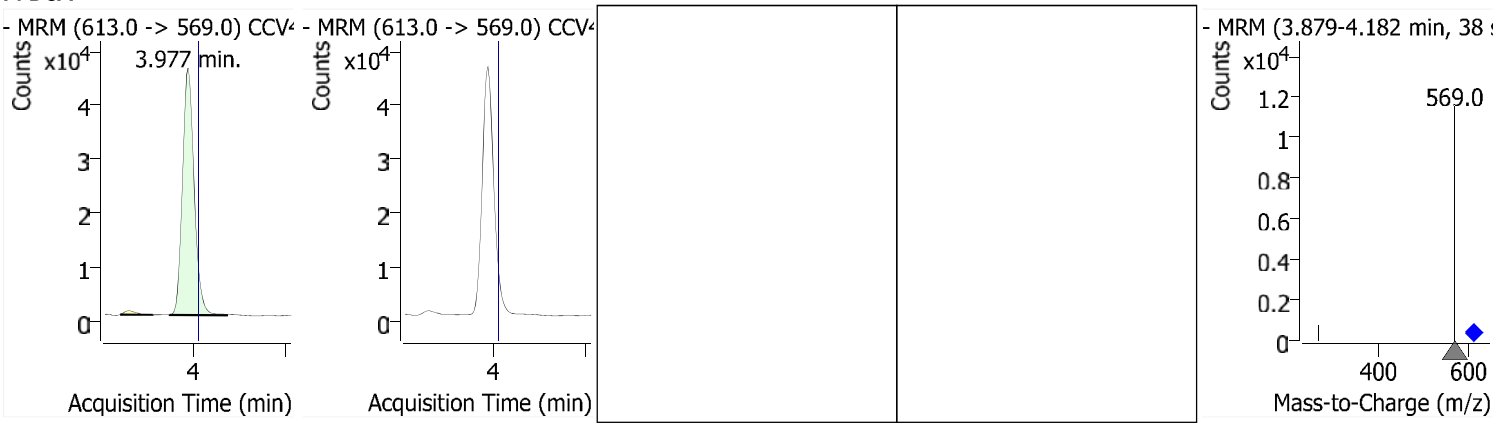
PFDA C13



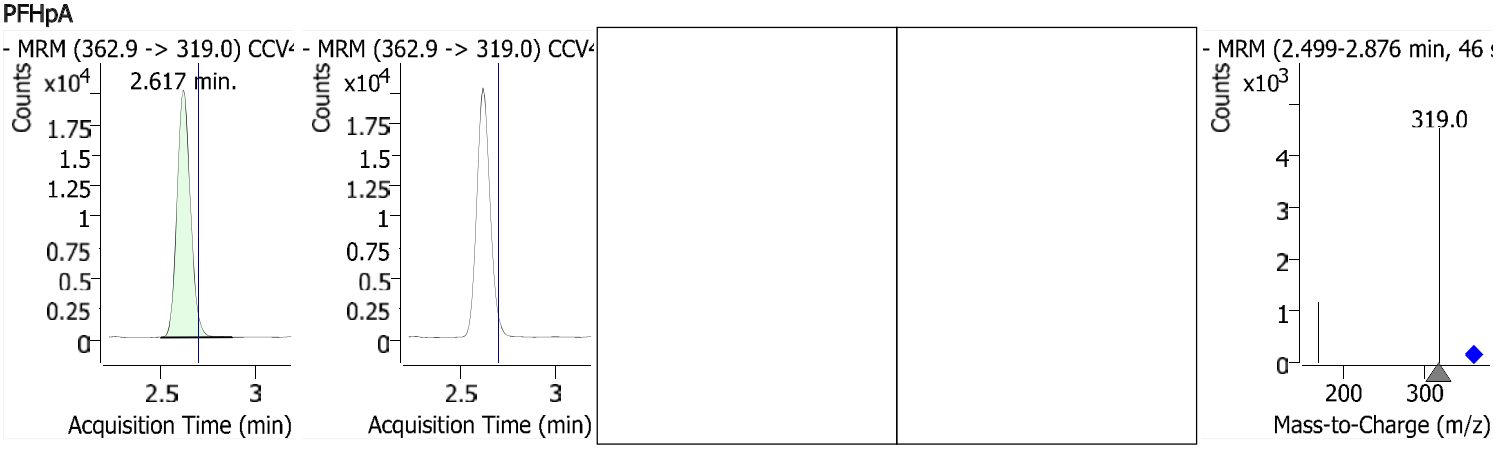
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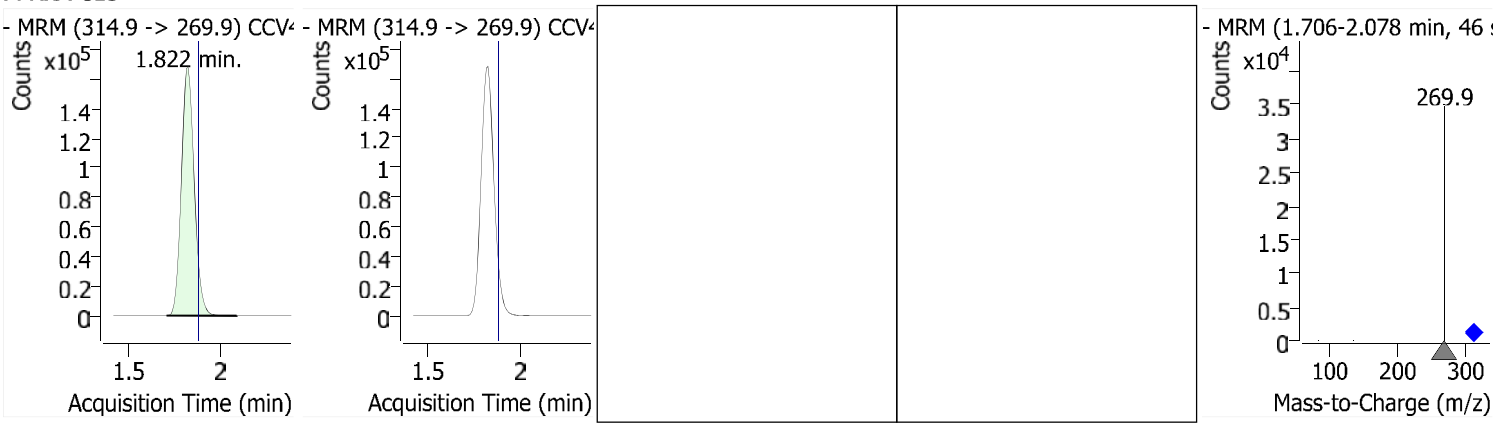
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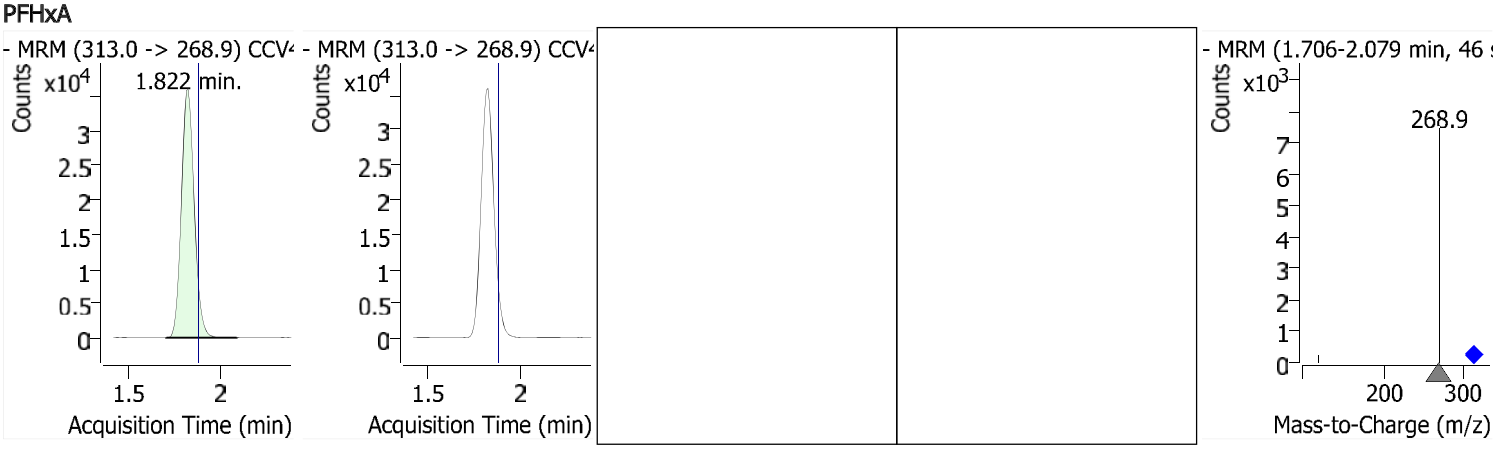
PFHpA



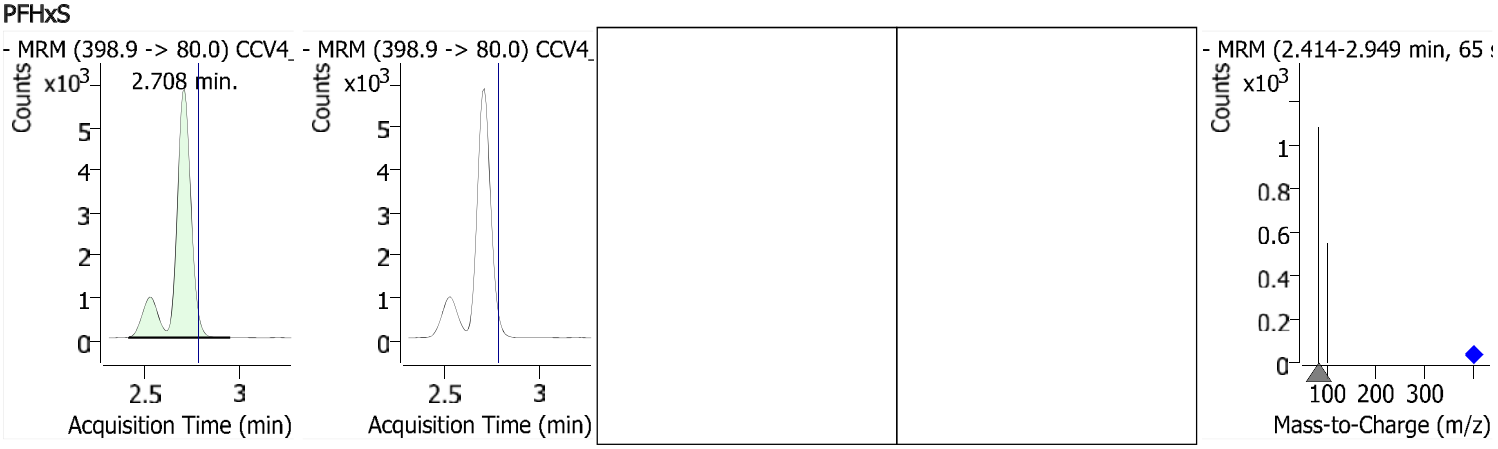
PFHxA C13



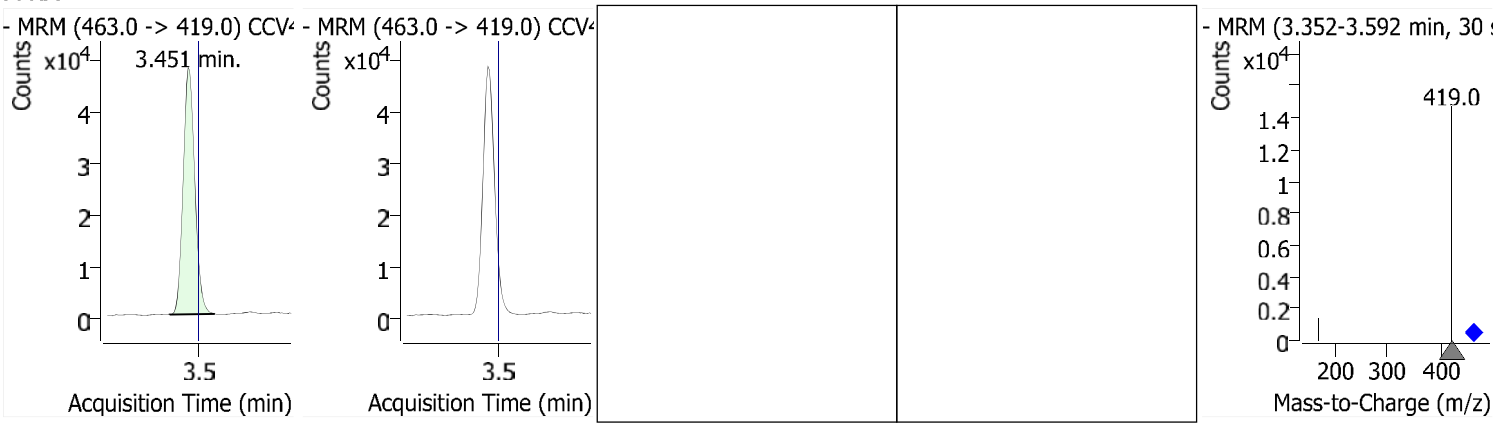
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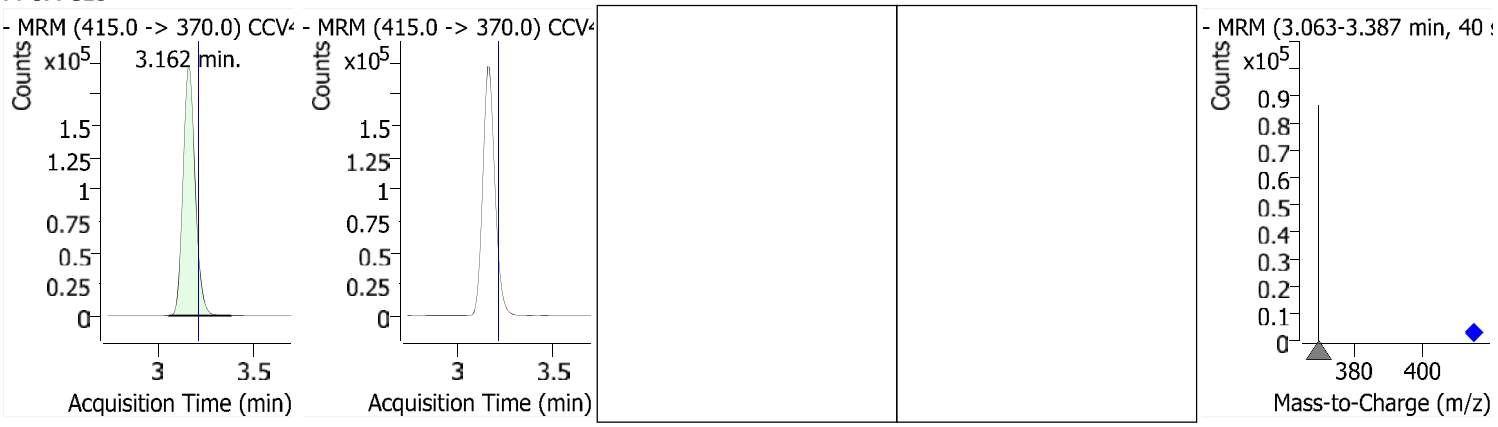
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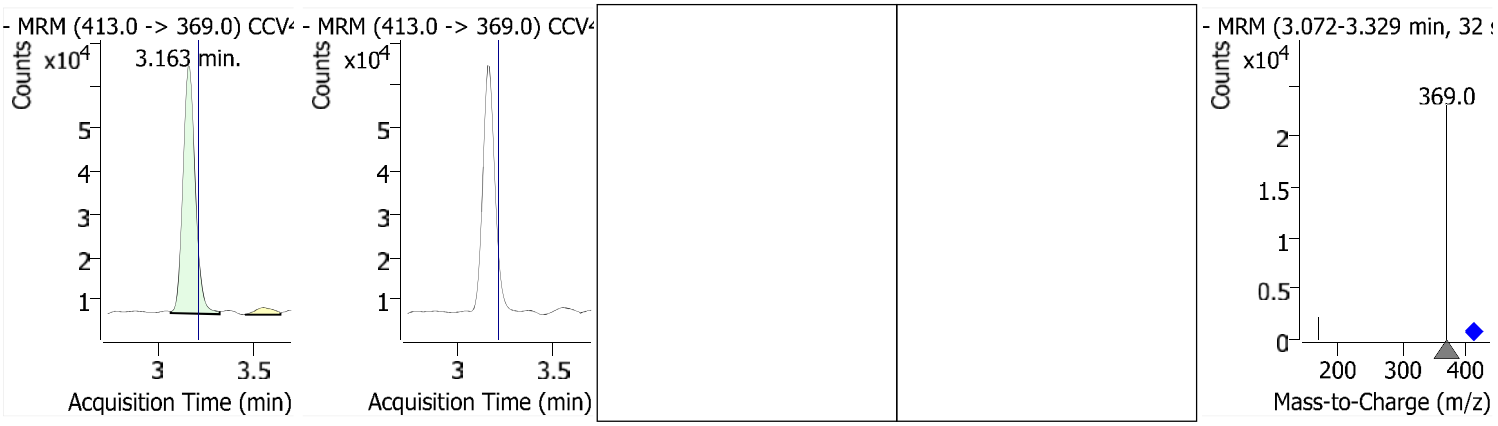
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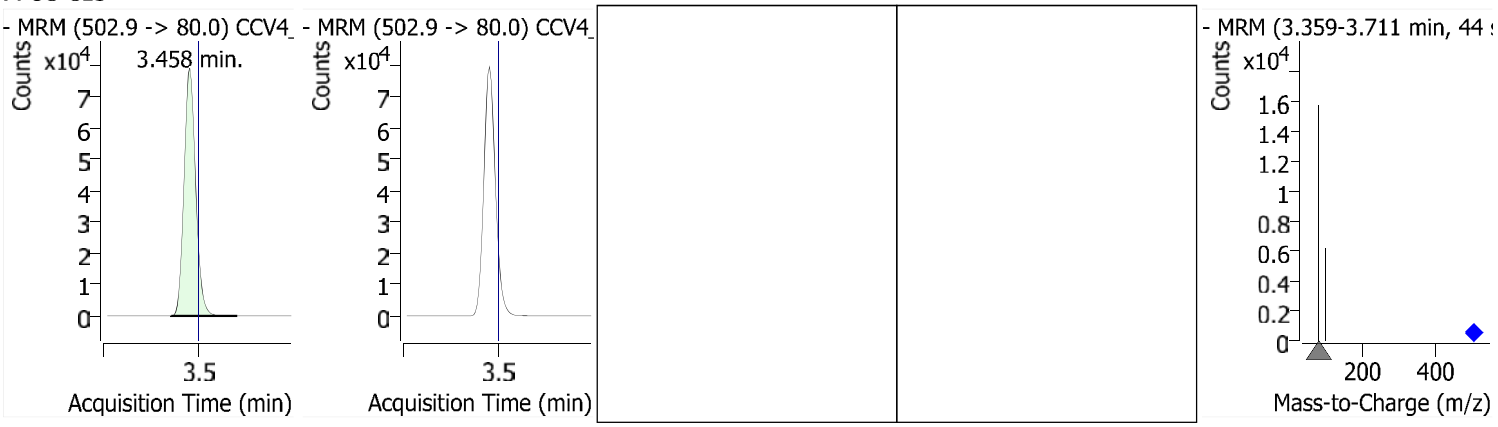
PFOA C13



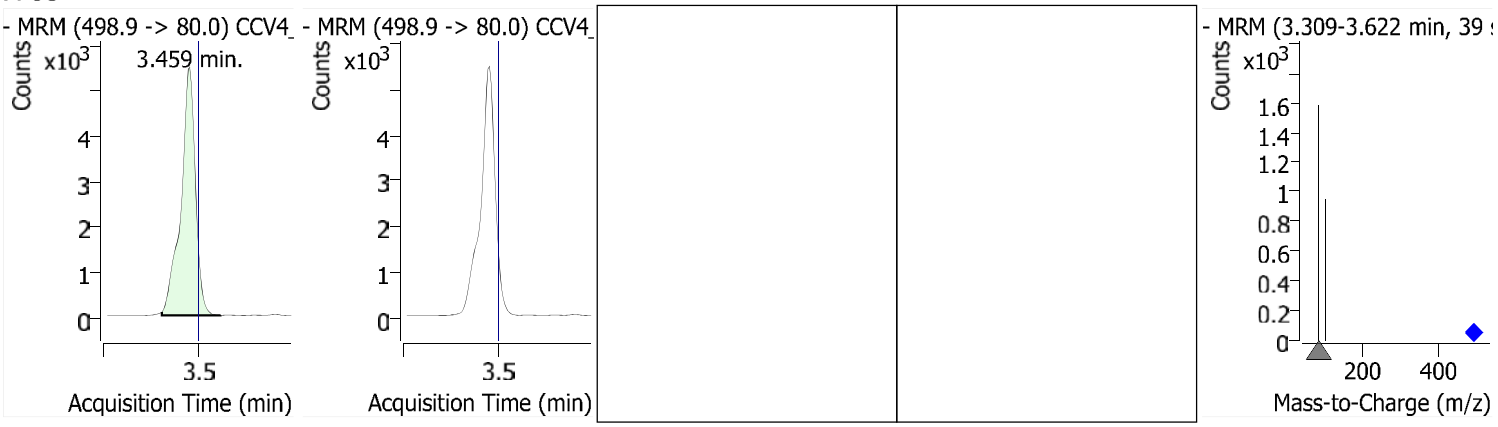
PFOA



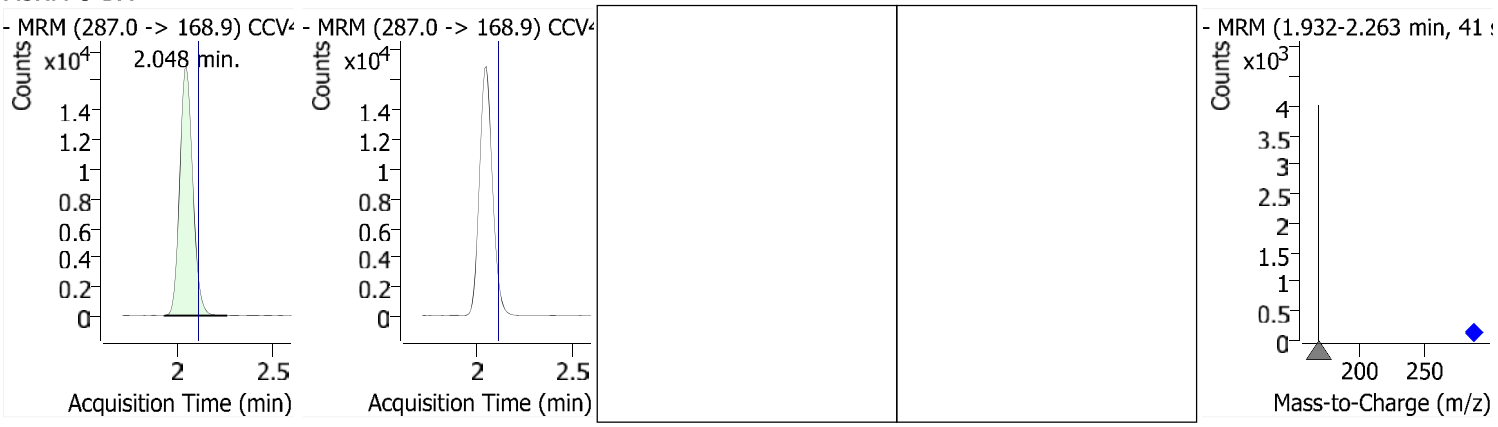
PFOS C13



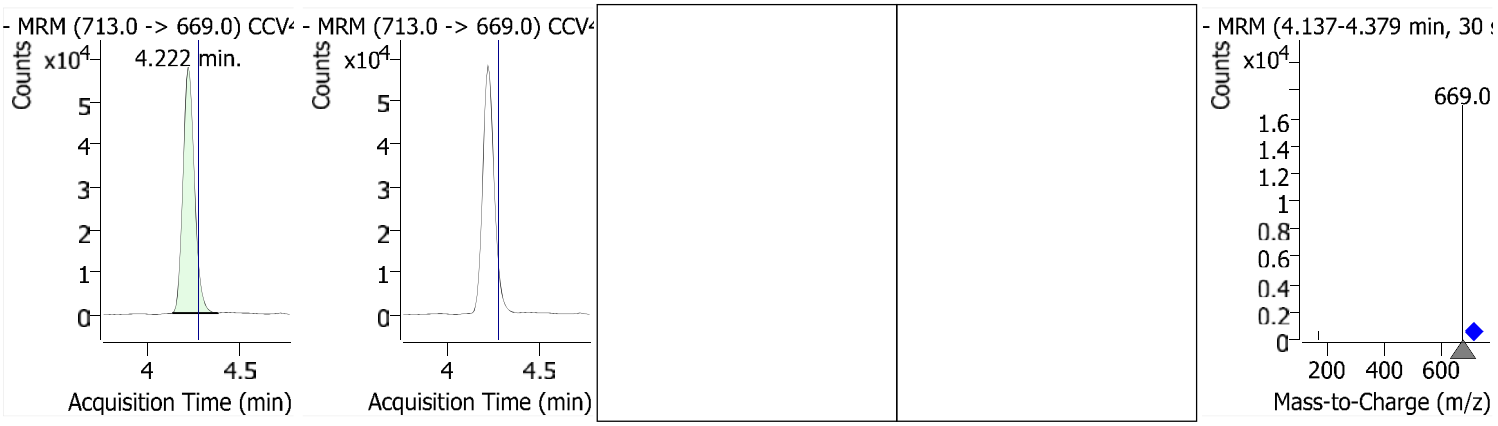
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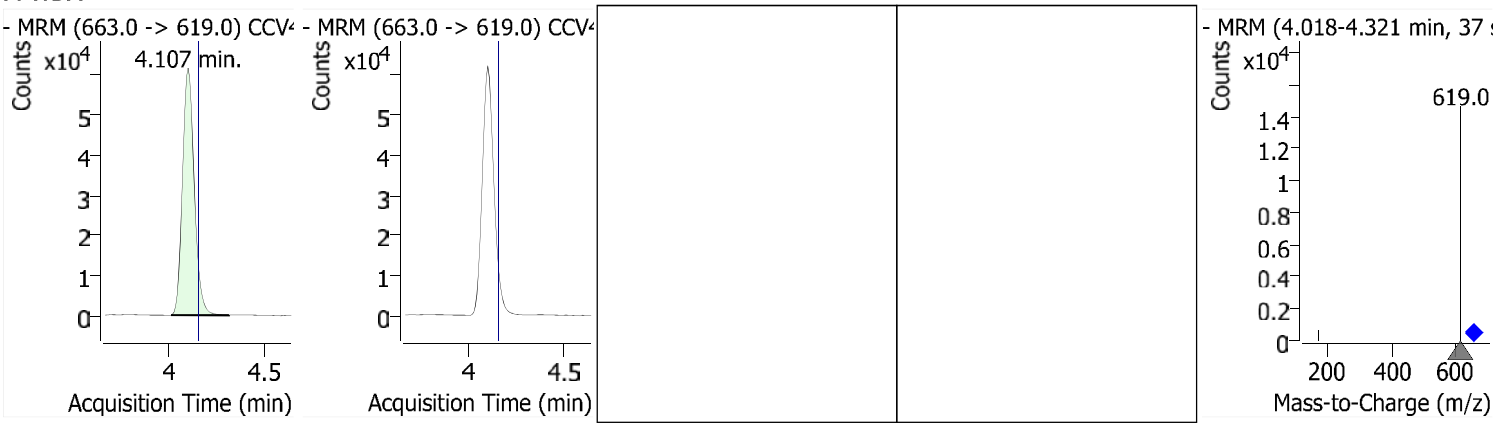
M3HFPO-DA



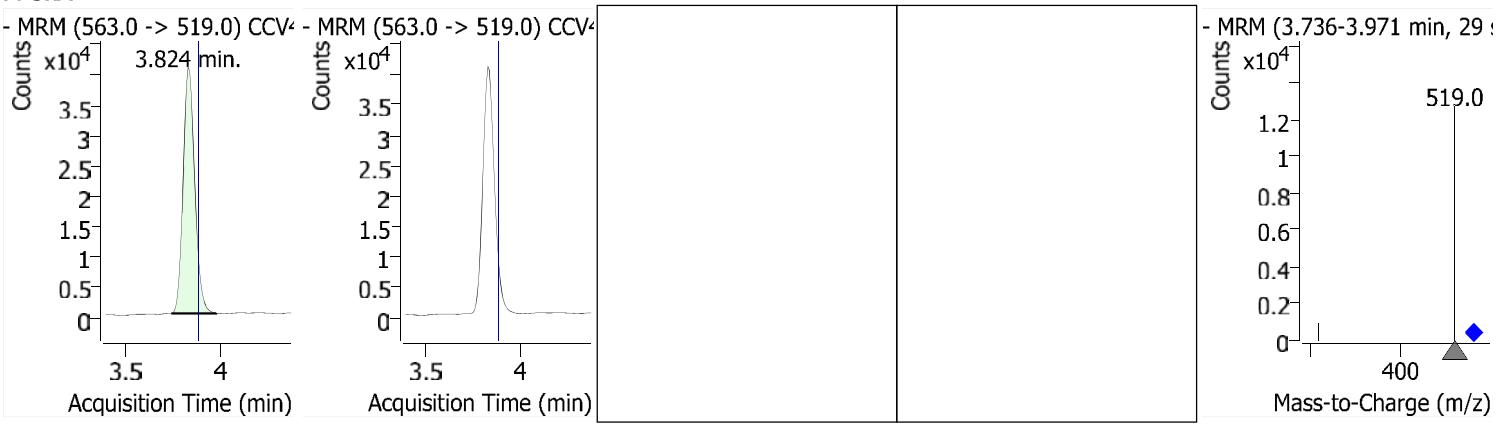
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) CCV4
Counts
x10^4
3.824 min.
3.5
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) CCV4
Counts
x10^4
3.5
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (3.736-3.971 min, 29
Counts
x10^4
519.0
1.2
1
0.8
0.6
0.4
0.2
0
400
Mass-to-Charge (m/z)

CONTINUING CALIBRATION VERIFICATION

EPA 537.1

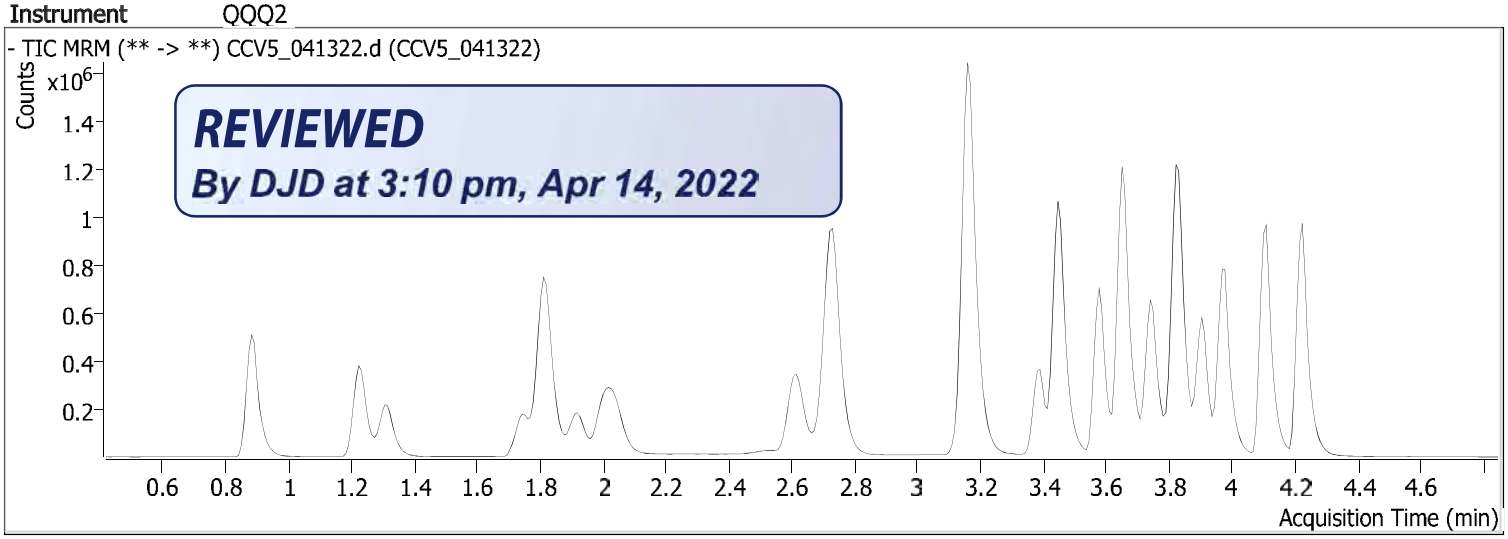
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Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	QQQ2	Calibration:	2200181
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Sequence:	S070364	Injection Date:	04/13/22
Lab Sample ID:	S070364-CCV2	Injection Time:	14:21

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Perfluorobutanesulfonic acid (PFBS)	A	22200	21700	1.684422	1.838711		-2.1	30
Perfluorohexanoic acid (PFHxA)	A	25000	25000	0.669973	0.7279184		0.2	30
Perfluorohexanesulfonic acid (PFHxS)	A	22800	22900	1.195419	1.31938		0.6	30
Perfluoroheptanoic acid (PFHpA)	A	25000	24700	0.3979502	0.4369004		-1.4	30
Perfluorooctanoic acid (PFOA)	A	25000	24500	0.9955872	1.028057		-1.9	30
Perfluorooctanesulfonic acid (PFOS)	A	23200	23300	0.9818776	1.046762		0.4	30
Perfluorononanoic acid (PFNA)	A	25000	25300	0.7665662	0.807347		1.2	30
Perfluorodecanoic acid (PFDA)	A	25000	24300	0.7588026	0.767204		-2.8	30
N-EtFOSAA	A	25000	25300	0.8453893	0.8750827		1.4	30
Perfluoroundecanoic acid (PFUnA)	A	25000	23700	0.726185	0.7058901		-5.3	30
N-MeFOSAA	A	25000	25400	0.9795923	1.117615		1.8	30
Perfluorododecanoic acid (PFDoA)	A	25000	24900	0.7774324	0.8323143		-0.4	30
Perfluorotridecanoic acid (PFTrDA)	A	25000	24700	1.024468	1.083153		-1.4	30
Perfluorotetradecanoic acid (PFTA)	A	25000	25100	0.9675388	1.068782		0.2	30
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	25000	24100	4.743419E-02	5.098371E-02		-3.5	30
11Cl-PF3OUdS (F53B Minor)	A	23600	23200	2.065157	2.263779		-1.6	30
9Cl-PF3ONS (F53B Major)	A	23300	23100	6.133142	6.651558		-0.8	30
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	23600	23200	1.345973	1.436881		-1.8	30
13C-PFHxA	A	10000	9660	0.9150334	0.8838538		-3.4	30
M3HFPO-DA	A	10000	9240	9.306352E-02	8.602665E-02		-7.6	30
13C-PFDA	A	10000	8990	0.8621041	0.7749311		-10.1	30
d5-NEtFOSAA	A	40000	36100	0.9259537	0.8348808		-9.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

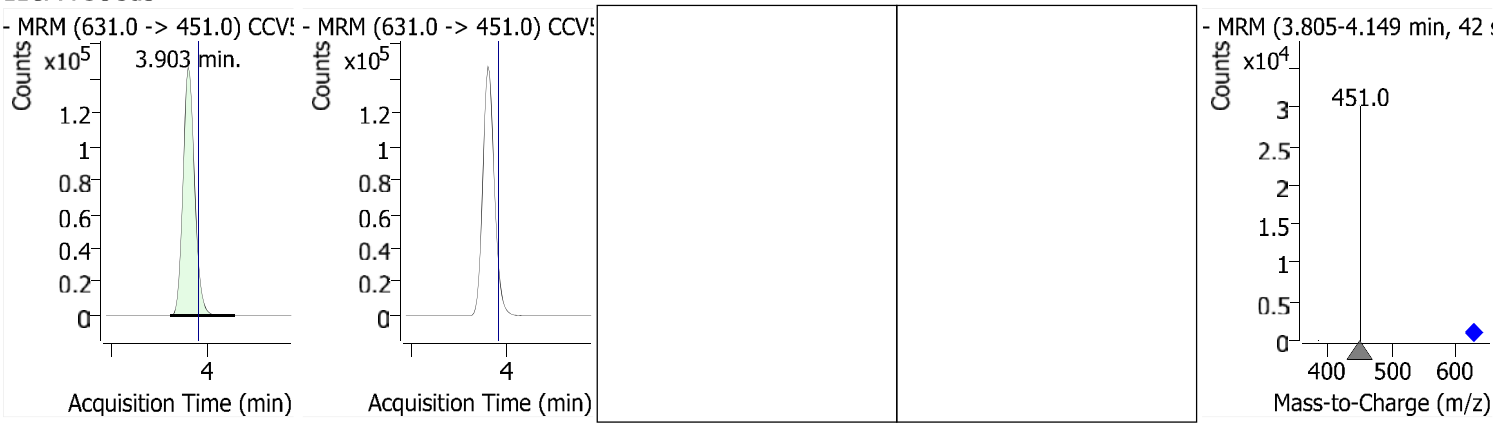
* Values outside of QC limits

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Acq. Time	4/13/2022 2:21 PM	Data File	CCV5_041322.d
Sample Type	CC	Sample Name	CCV5_041322
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203538	Processing method	5371_041222.m
Instrument	QQQ2		

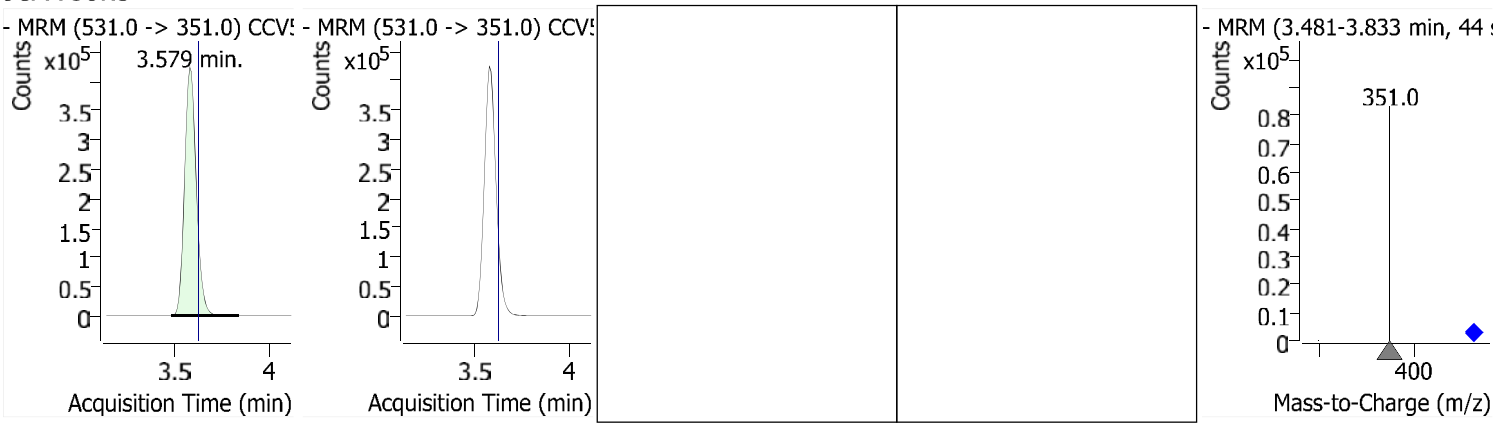


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	623815	PFOS C13	3.458	335113	23230.2865	pg/ml			
9Cl-PF3ONS	3.579	1809627	PFOS C13	3.458	335113	23103.9211	pg/ml			
ADONA	2.733	3070426	PFOA C13	3.162	905453	23175.6124	pg/ml			
d5-N-EtFOSAA	3.831	727675	d3-N-MeFOSAA	3.741	871591	36065.7659	pg/ml			
HFPO-DA	2.041	115408	PFOA C13	3.162	905453	24137.1653	pg/ml			
N-EtFOSAA	3.831	476696	d3-N-MeFOSAA	3.741	871591	25347.8609	pg/ml			
N-MeFOSAA	3.741	608814	d3-N-MeFOSAA	3.741	871591	25437.6872	pg/ml			
PFBS	1.316	476624	PFOS C13	3.458	335113	21743.5517	pg/ml			
PFDA C13	3.661	701664	PFOA C13	3.162	905453	8988.8353	pg/ml			
PFDA	3.661	1736667	PFOA C13	3.162	905453	24293.2755	pg/ml			
PFDoA	3.977	1884054	PFOA C13	3.162	905453	24906.7374	pg/ml			
PFHpA	2.617	988982	PFOA C13	3.162	905453	24656.2808	pg/ml			
PFHxA C13	1.822	800288	PFOA C13	3.162	905453	9659.2540	pg/ml			
PFHxA	1.814	1647740	PFOA C13	3.162	905453	25041.1068	pg/ml			
PFHxS	2.708	351248	PFOS C13	3.458	335113	22947.9973	pg/ml			
PFNA	3.451	1827537	PFOA C13	3.162	905453	25300.4261	pg/ml			
PFOA	3.163	2327143	PFOA C13	3.162	905453	24534.6824	pg/ml			
PFOS	3.459	283561	PFOS C13	3.458	335113	23284.1748	pg/ml			
M3HFPO-DA	2.040	77893	PFOA C13	3.162	905453	9243.8654	pg/ml			
PFTA	4.222	2419329	PFOA C13	3.162	905453	25053.1375	pg/ml			
PFTrDA	4.107	2451860	PFOA C13	3.162	905453	24654.6074	pg/ml			
PFUnA	3.824	1597875	PFOA C13	3.162	905453	23685.4589	pg/ml			

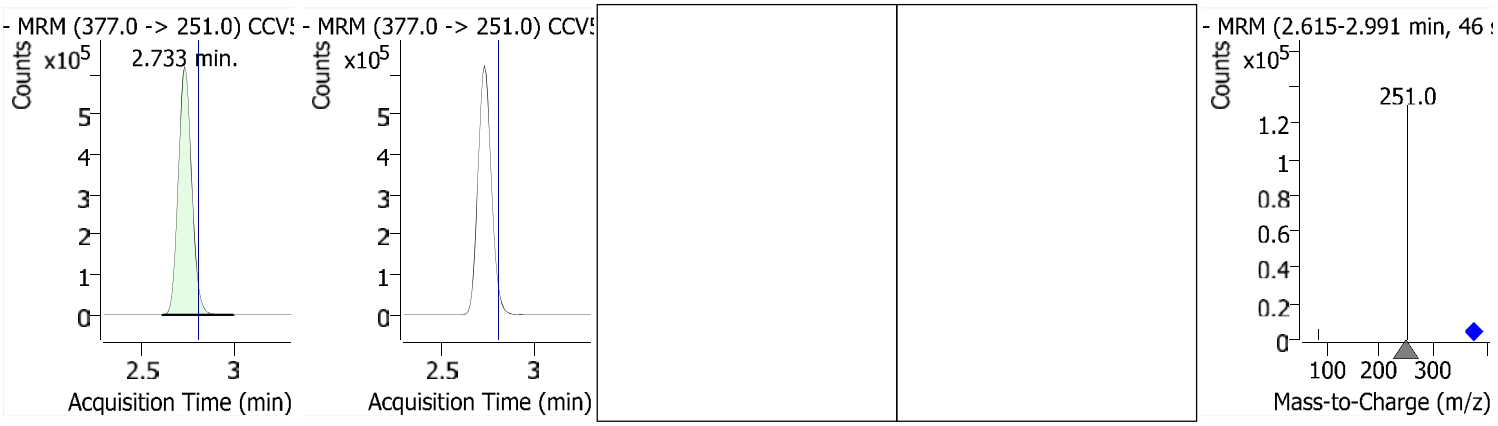
11Cl-PF3OUdS



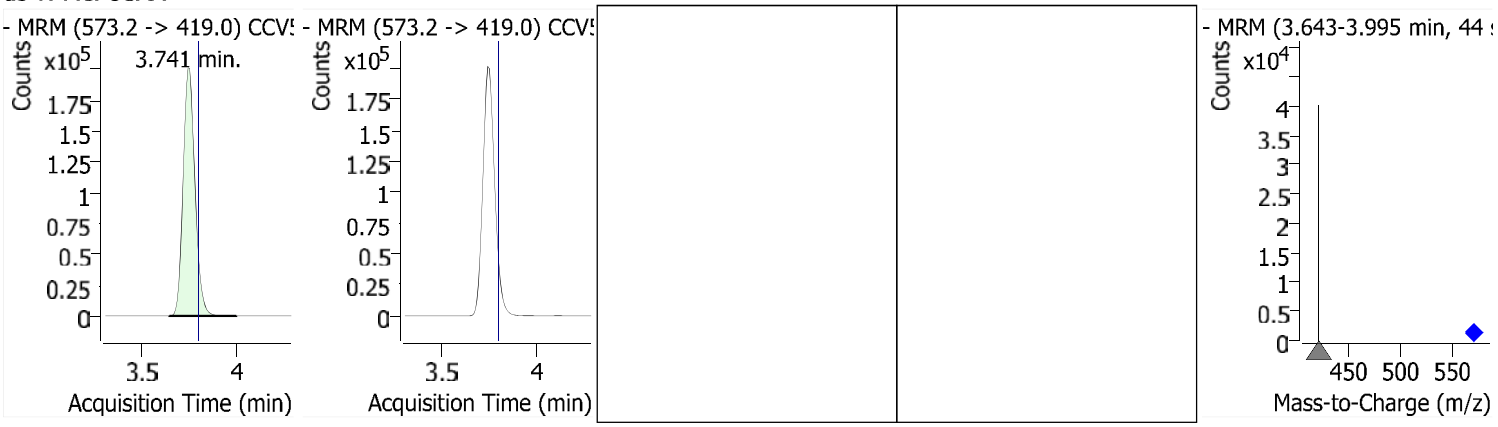
9Cl-PF3ONS



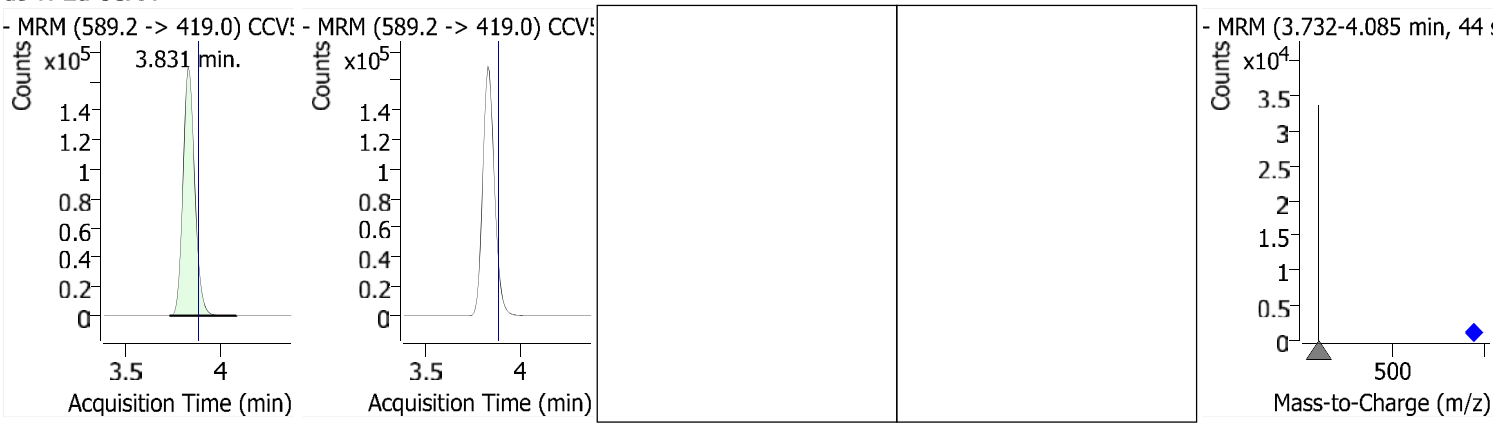
ADONA



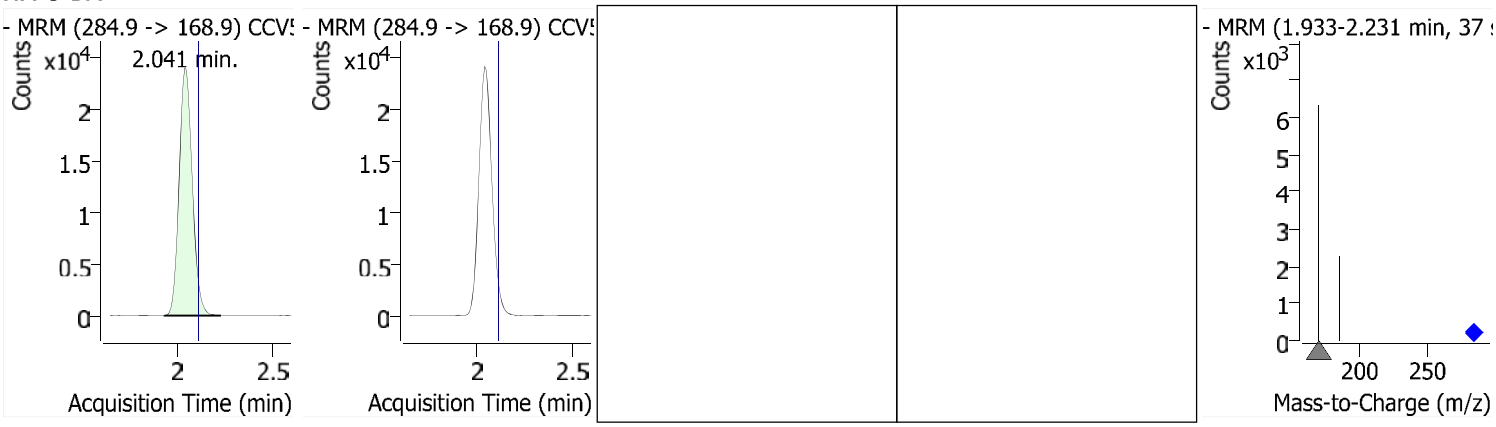
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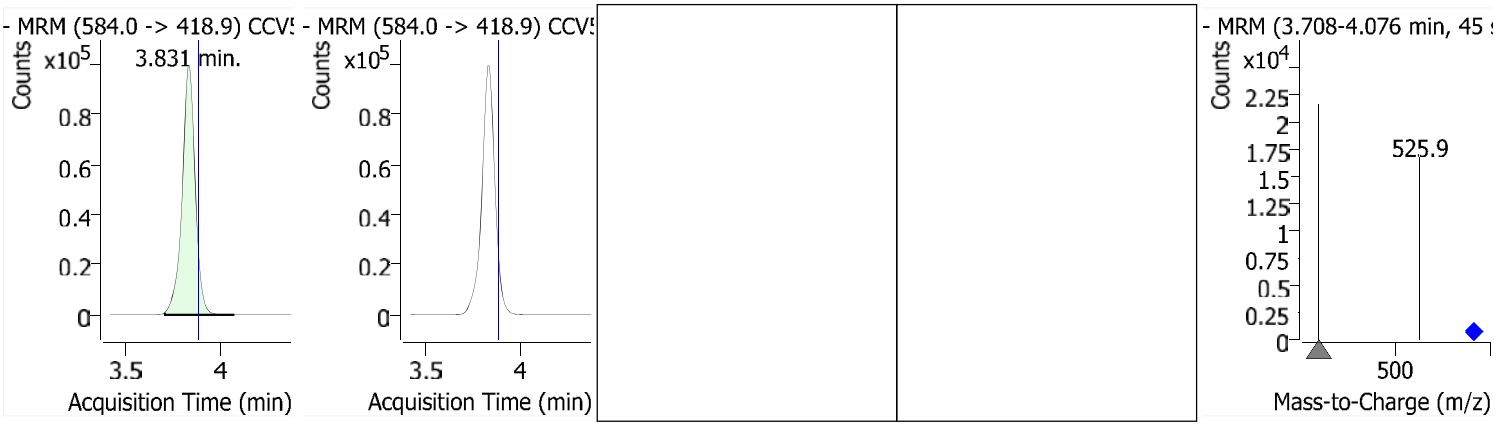
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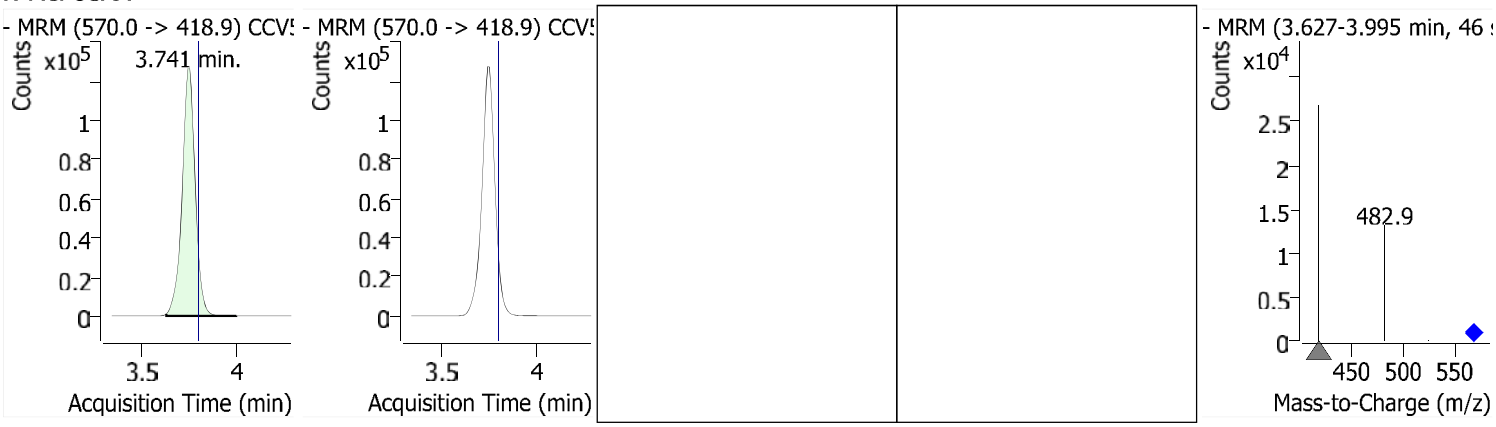
HFPO-DA



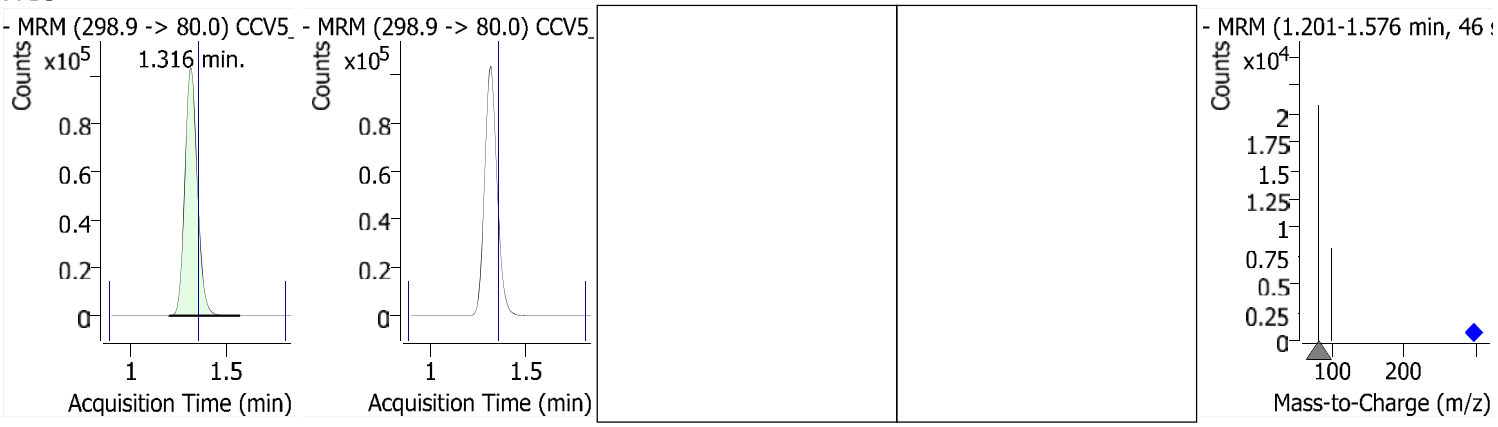
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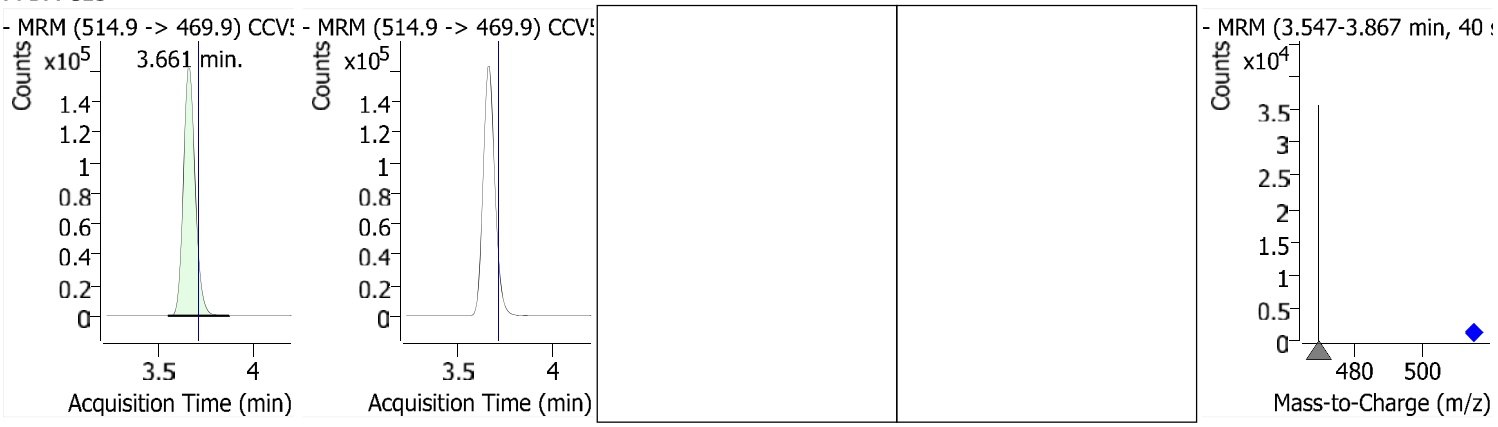
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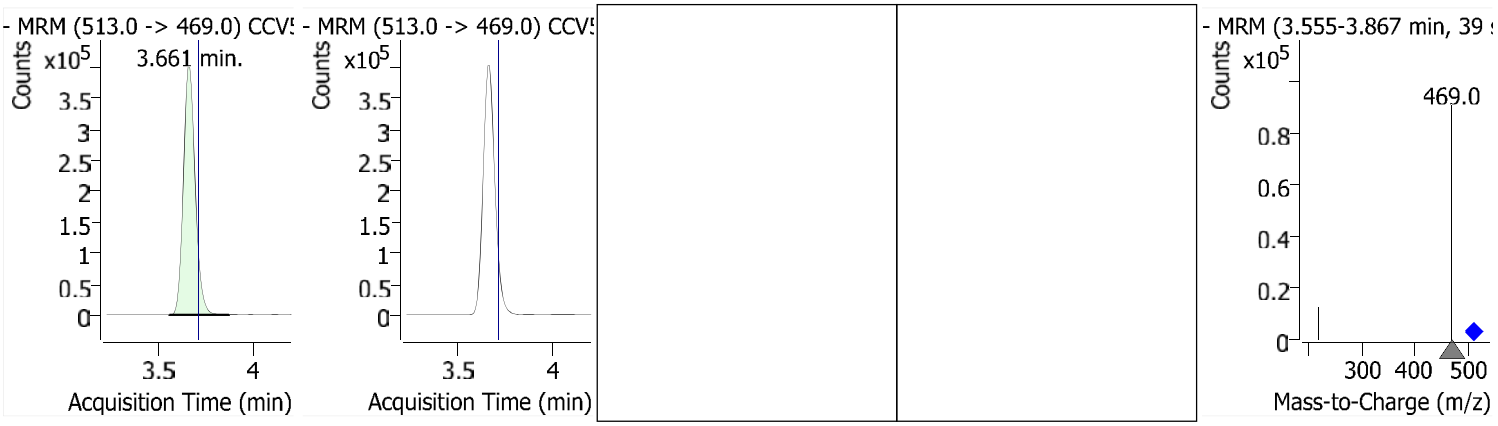
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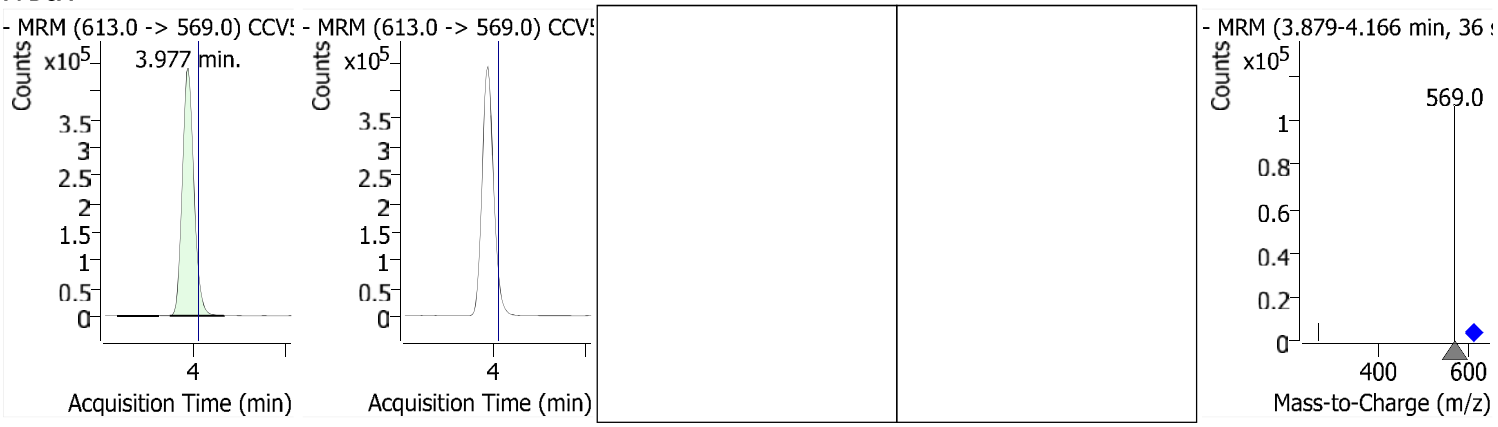
PFDA C13



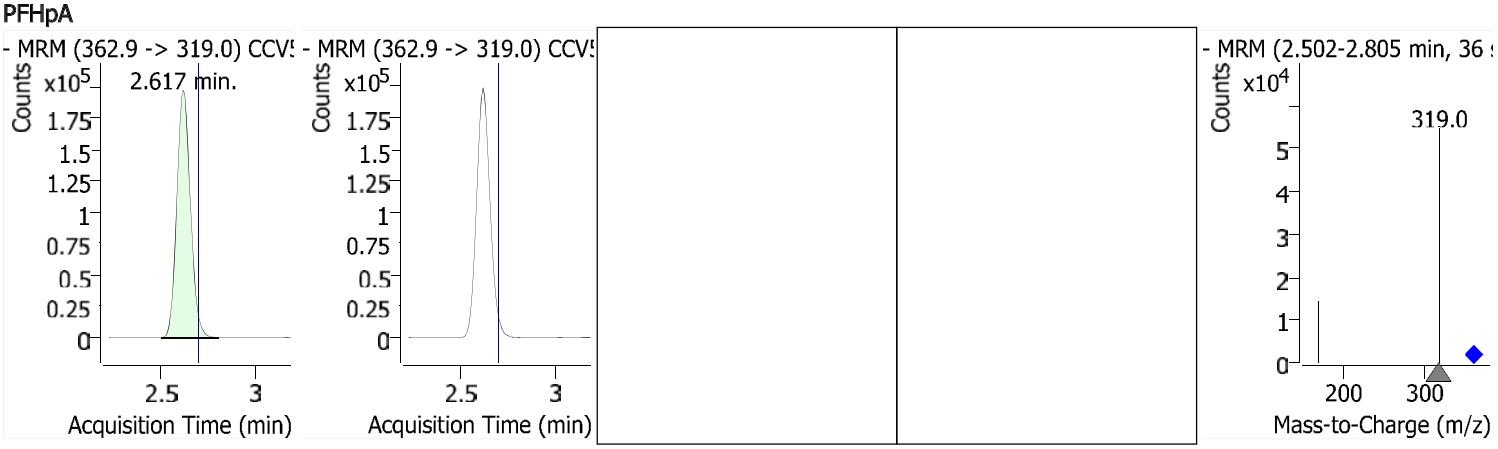
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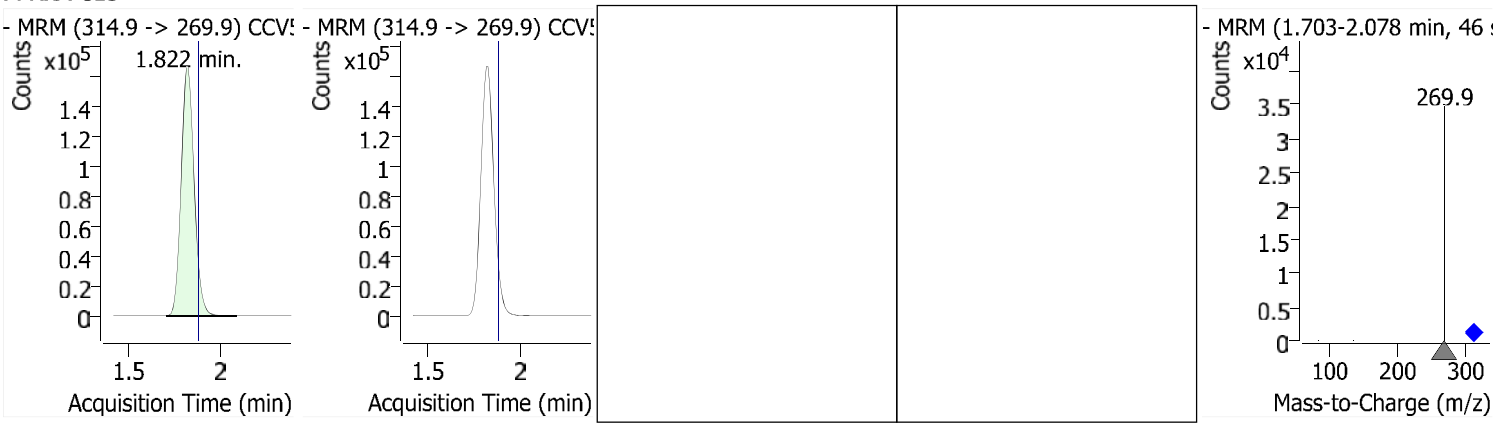
PFDoA



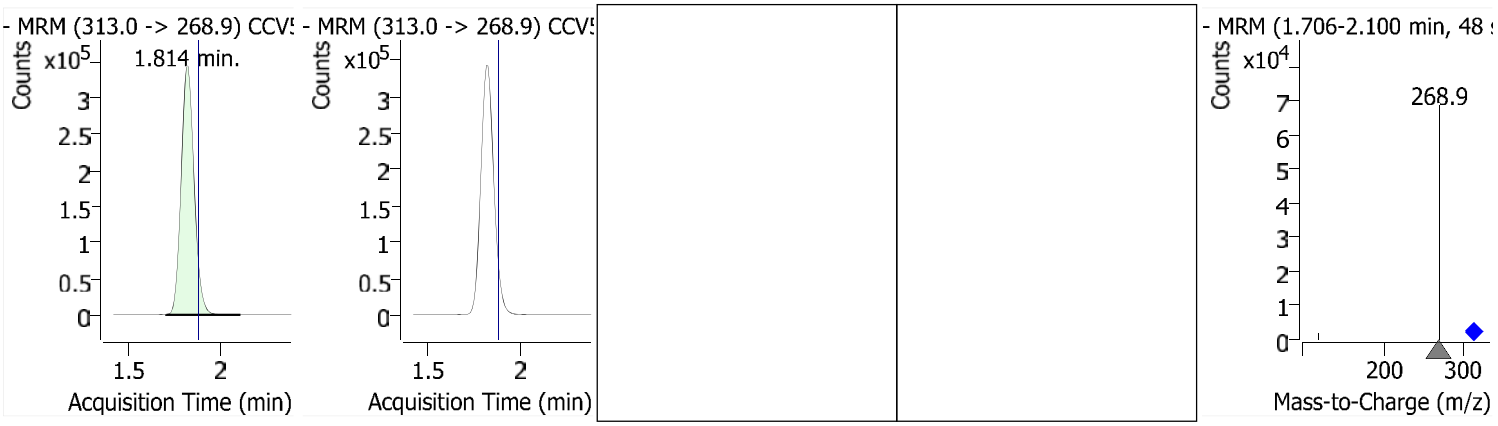
PFHpA



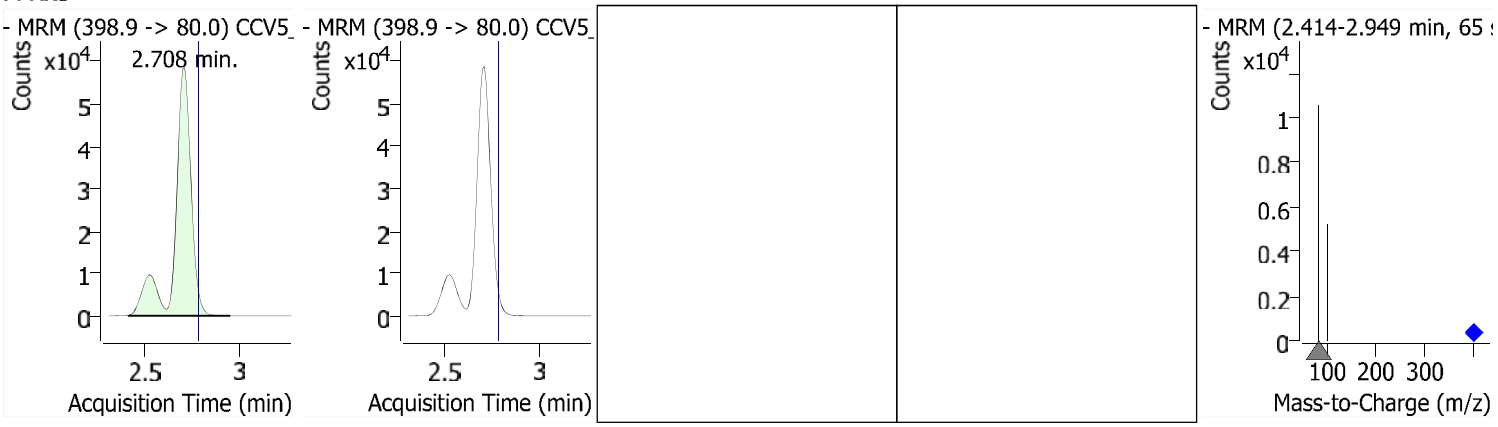
PFHxA C13



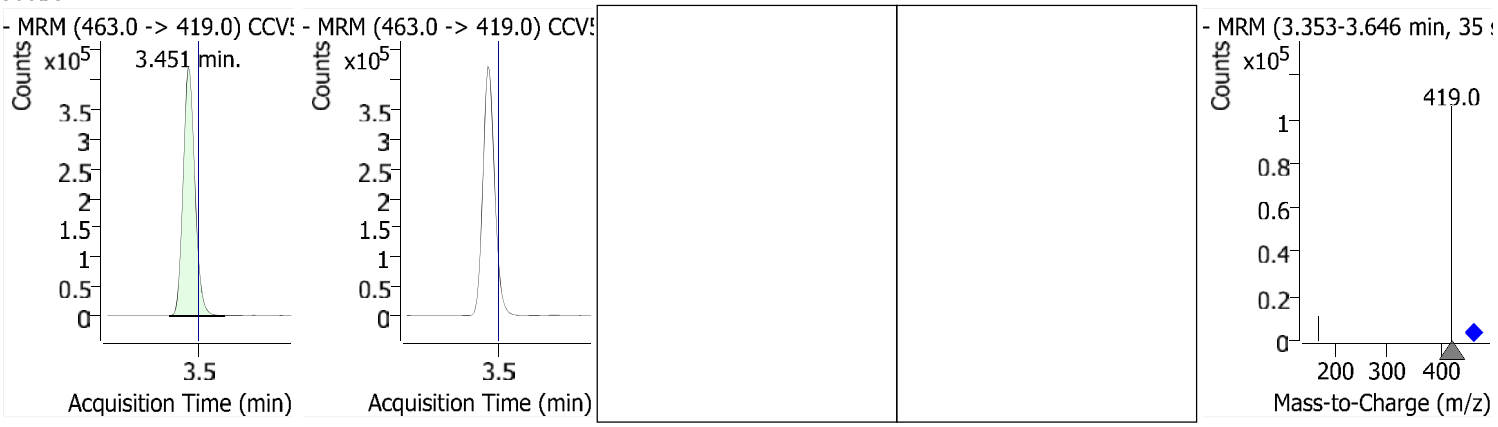
PFHxA



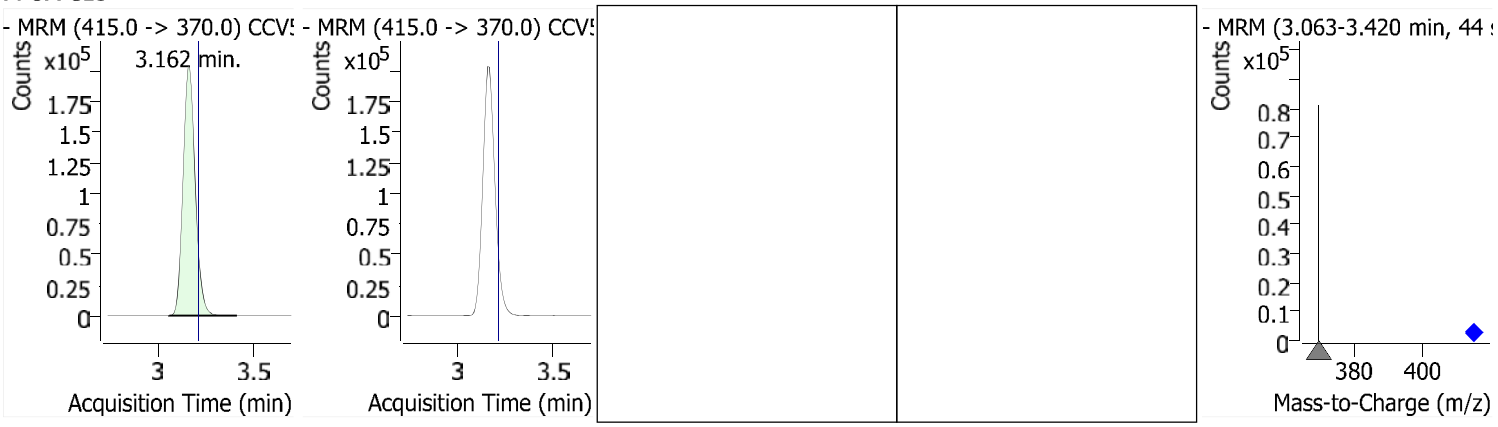
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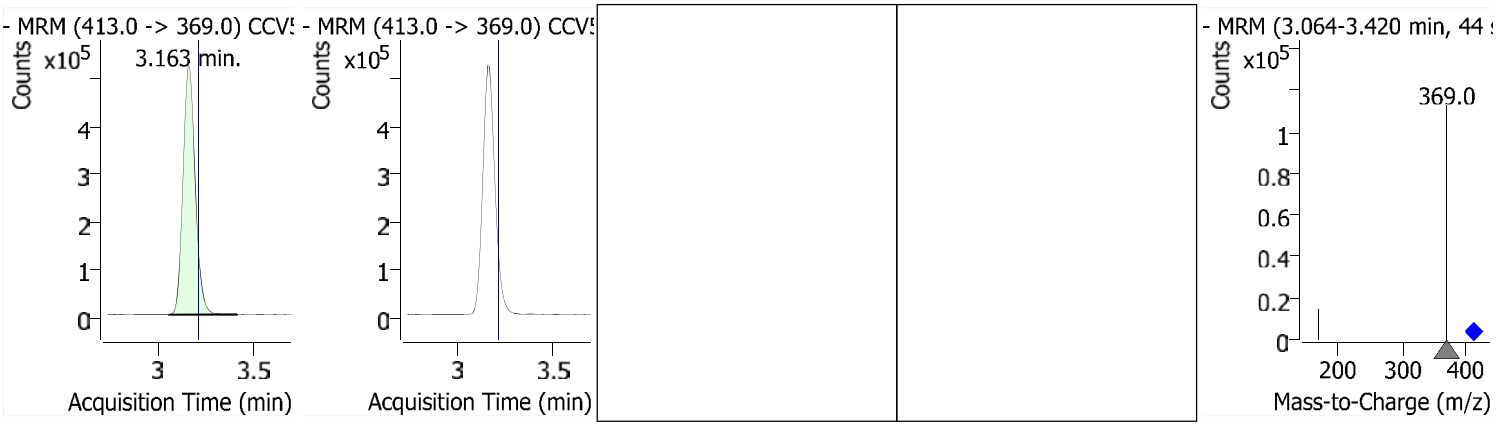
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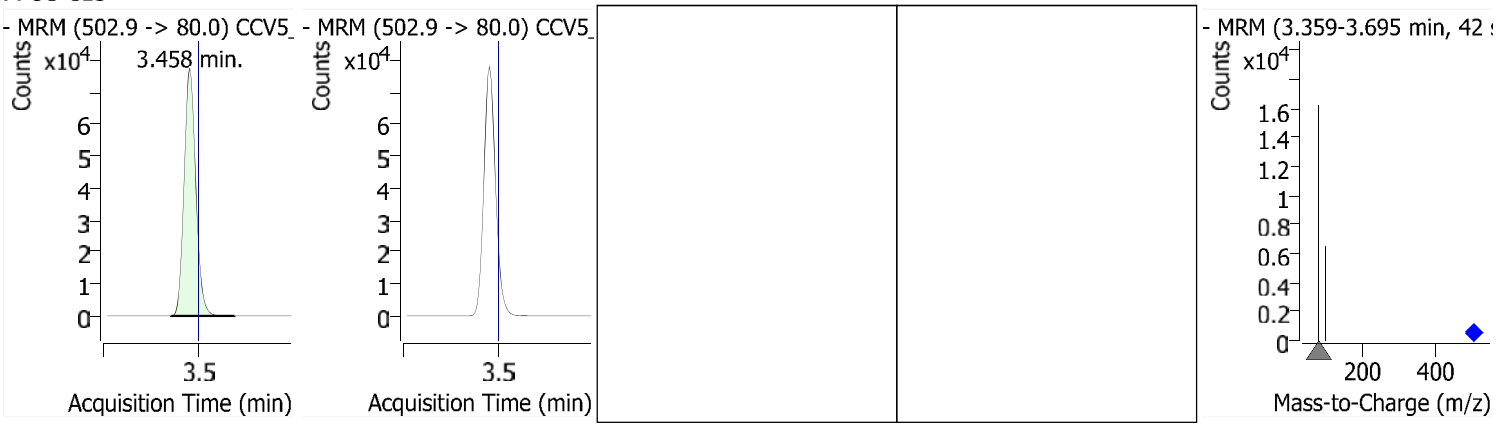
PFOA C13



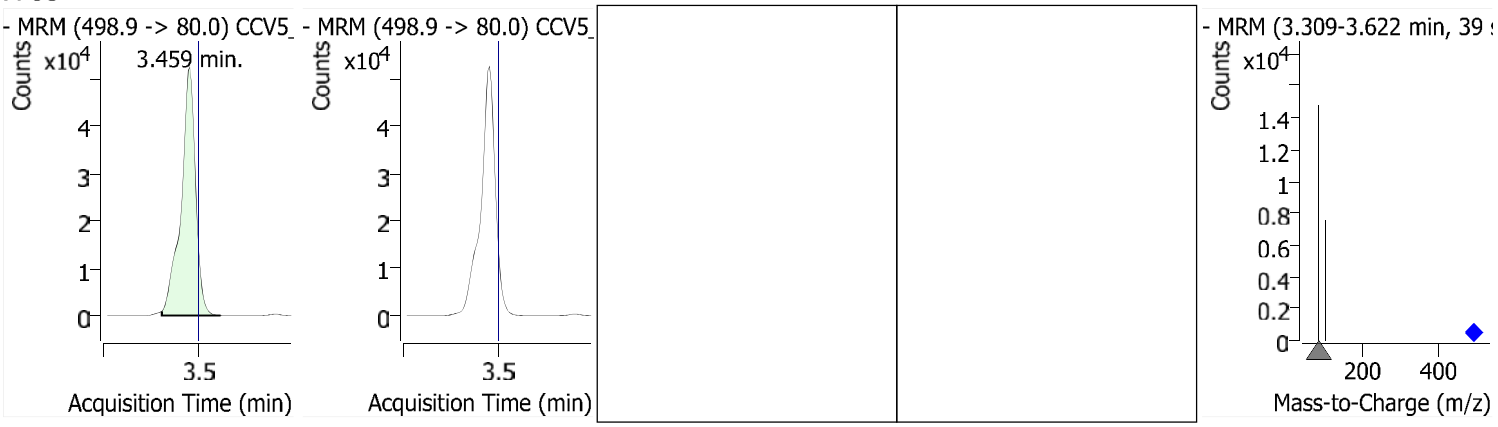
PFOA



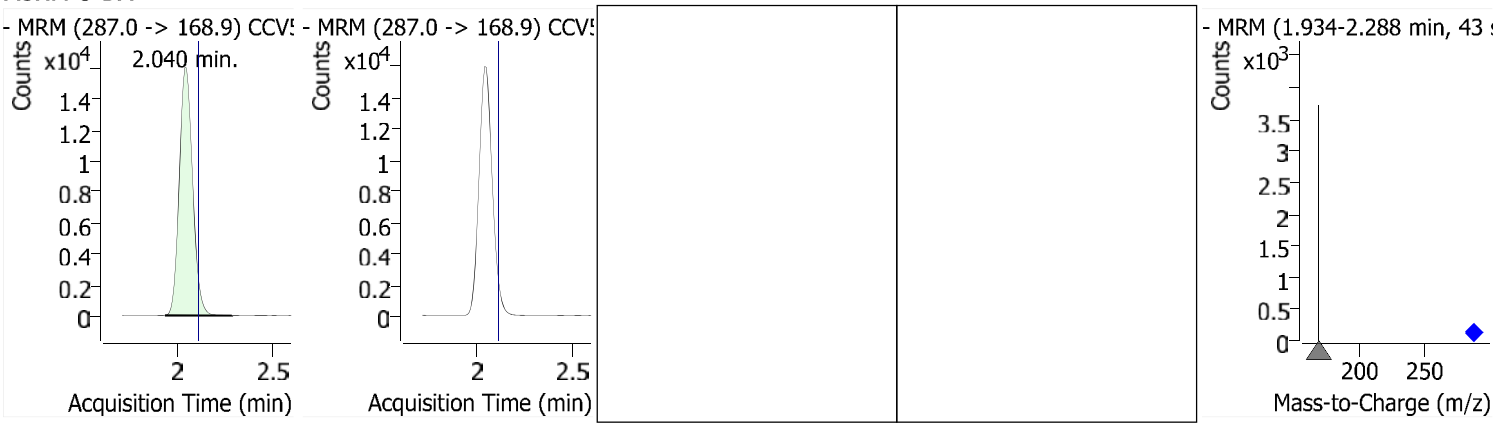
PFOS C13



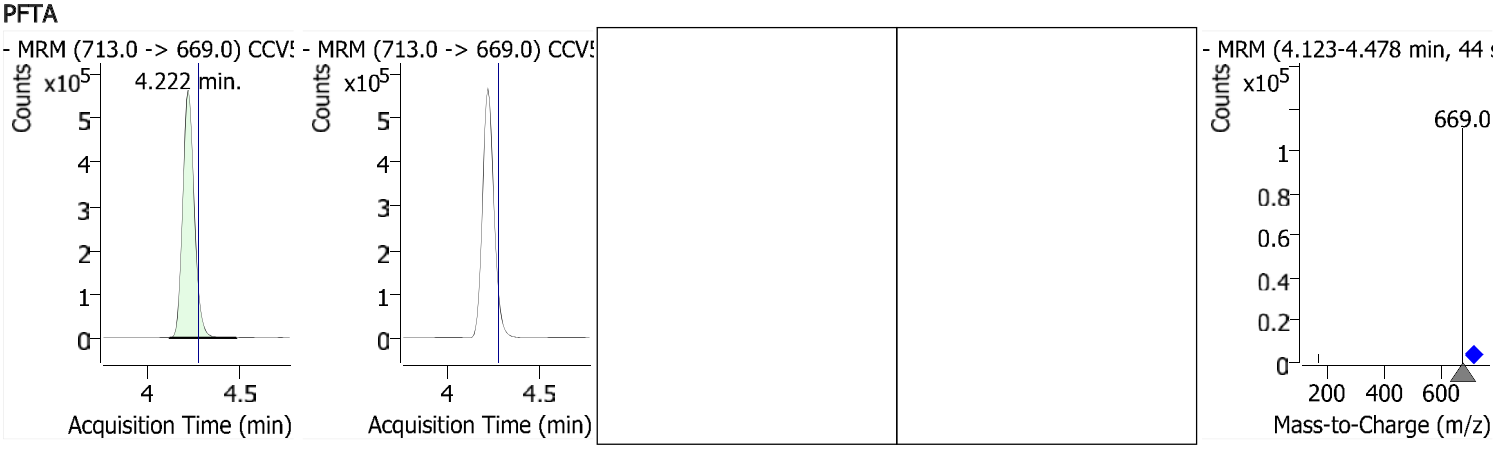
PFOS



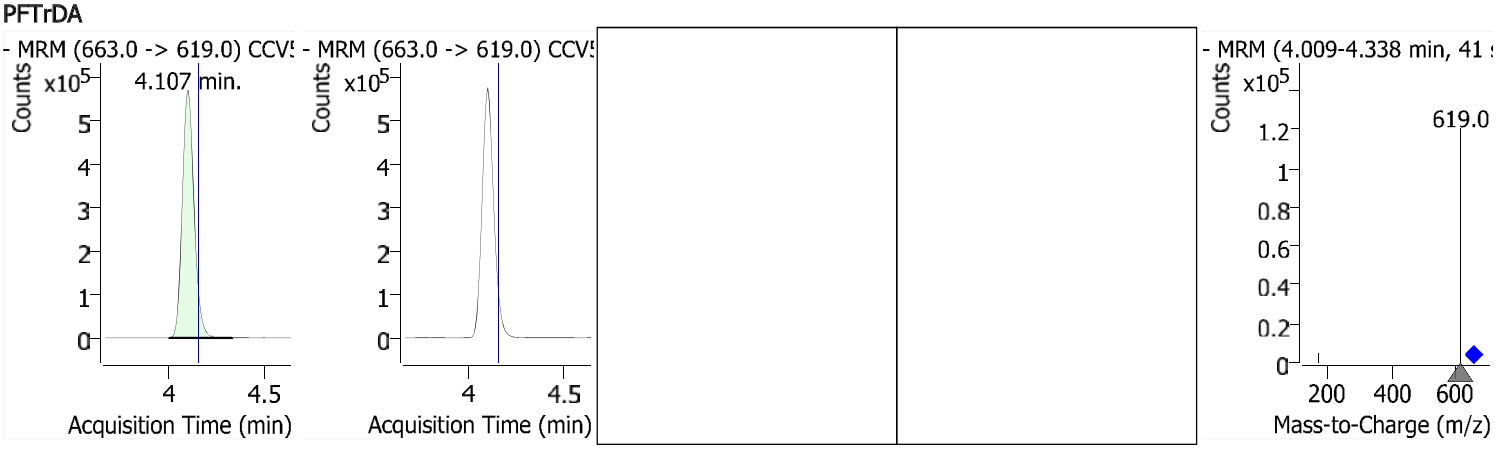
M3HFPO-DA



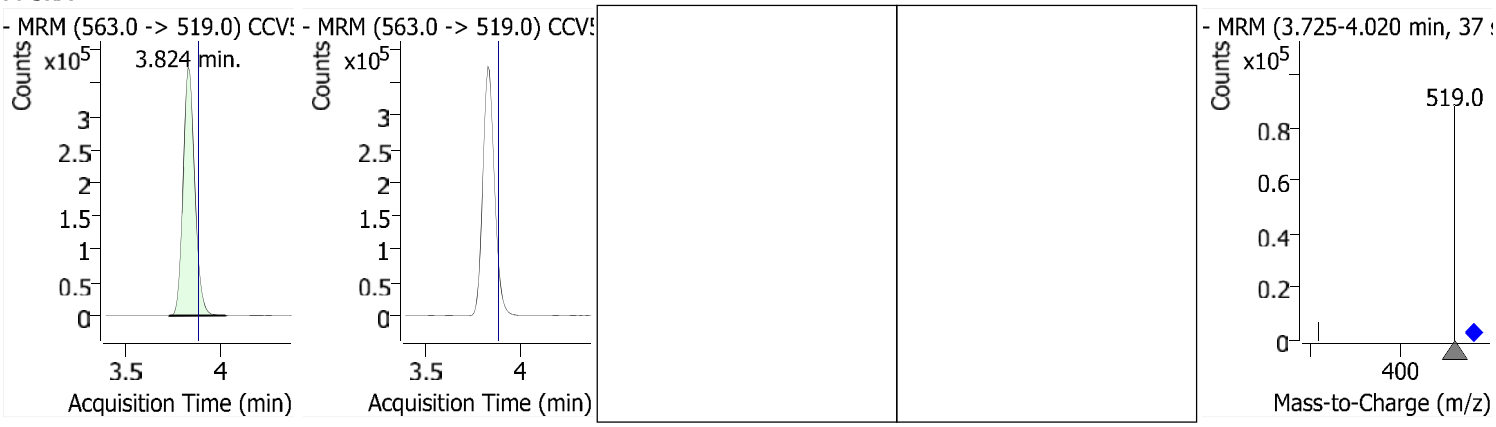
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) CCV5
Counts
x10^5
3.824 min.
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) CCV5
Counts
x10^5
3
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (3.725-4.020 min, 37
Counts
x10^5
519.0
0.8
0.6
0.4
0.2
0
400
Mass-to-Charge (m/z)

CONTINUING CALIBRATION VERIFICATION

EPA 537.1

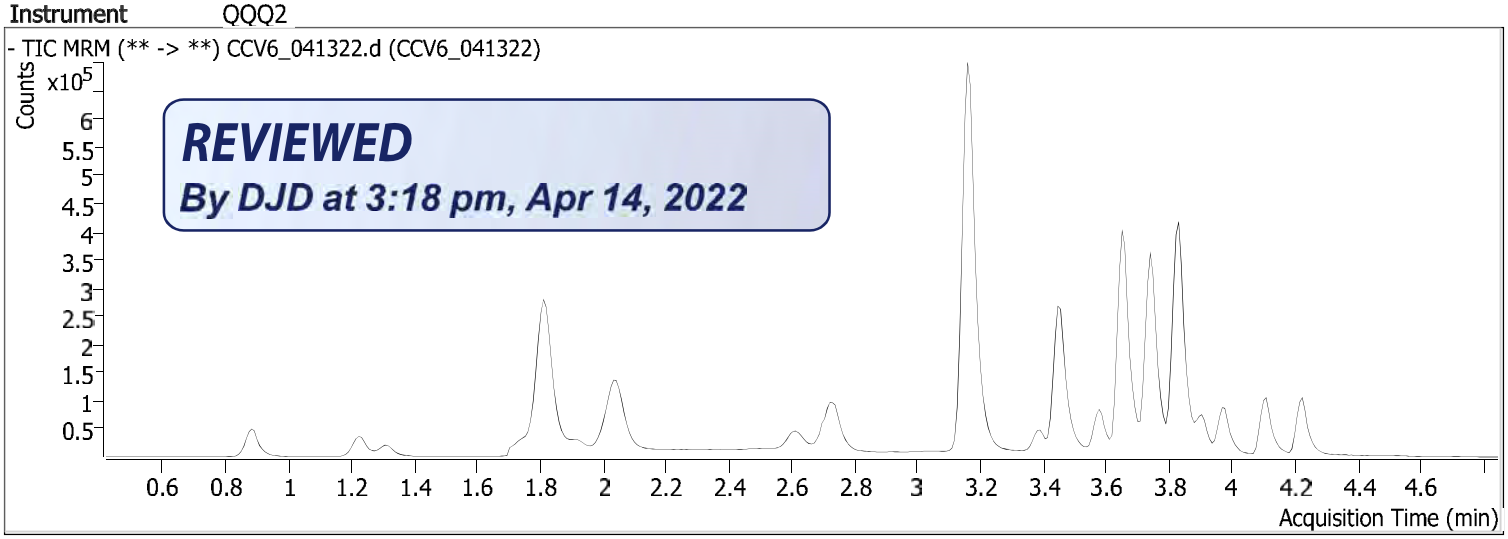
Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Instrument ID:	QQQ2	Calibration:	2200181
Lab File ID:	CCV6_041322.d	Calibration Date:	04/12/22 00:00
Sequence:	S070364	Injection Date:	04/13/22
Lab Sample ID:	S070364-CCV3	Injection Time:	15:33

		CONC. (ng/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Perfluorobutanesulfonic acid (PFBS)	A	2220	2240	1.684422	1.836886		0.8	30
Perfluorohexanoic acid (PFHxA)	A	2500	2680	0.669973	0.7558973		7.3	30
Perfluorohexanesulfonic acid (PFHxS)	A	2280	2490	1.195419	1.337872		9.4	30
Perfluoroheptanoic acid (PFHpA)	A	2500	2650	0.3979502	0.4542063		6.1	30
Perfluorooctanoic acid (PFOA)	A	2500	2870	0.9955872	1.168118		14.9	30
Perfluorooctanesulfonic acid (PFOS)	A	2320	2550	0.9818776	1.106033		9.7	30
Perfluorononanoic acid (PFNA)	A	2500	2680	0.7665662	0.8561355		7.3	30
Perfluorodecanoic acid (PFDA)	A	2500	2720	0.7588026	0.8885284		9.0	30
N-EtFOSAA	A	2500	3030	0.8453893	1.047212		21.3	30
Perfluoroundecanoic acid (PFUnA)	A	2500	2780	0.726185	0.833715		11.1	30
N-MeFOSAA	A	2500	2690	0.9795923	1.18324		7.7	30
Perfluorododecanoic acid (PFDoA)	A	2500	2810	0.7774324	0.91556		12.6	30
Perfluorotridecanoic acid (PFTrDA)	A	2500	2770	1.024468	1.166837		10.7	30
Perfluorotetradecanoic acid (PFTA)	A	2500	2850	0.9675388	1.15935		14.1	30
Hexafluoropropylene oxide dimer acid (HFPO-DA)	A	2500	2730	4.743419E-02	5.134341E-02		9.3	30
11Cl-PF3OUdS (F53B Minor)	A	2360	2510	2.065157	2.340776		6.3	30
9Cl-PF3ONS (F53B Major)	A	2330	2520	6.133142	6.754049		8.0	30
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	A	2360	2670	1.345973	1.563568		13.0	30
13C-PFHxA	A	10000	9950	0.9150334	0.9104502		-0.5	30
M3HFPO-DA	A	10000	9830	9.306352E-02	9.150758E-02		-1.7	30
13C-PFDA	A	10000	10000	0.8621041	0.8643023		0.3	30
d5-NEtFOSAA	A	40000	42000	0.9259537	0.9713777		4.9	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

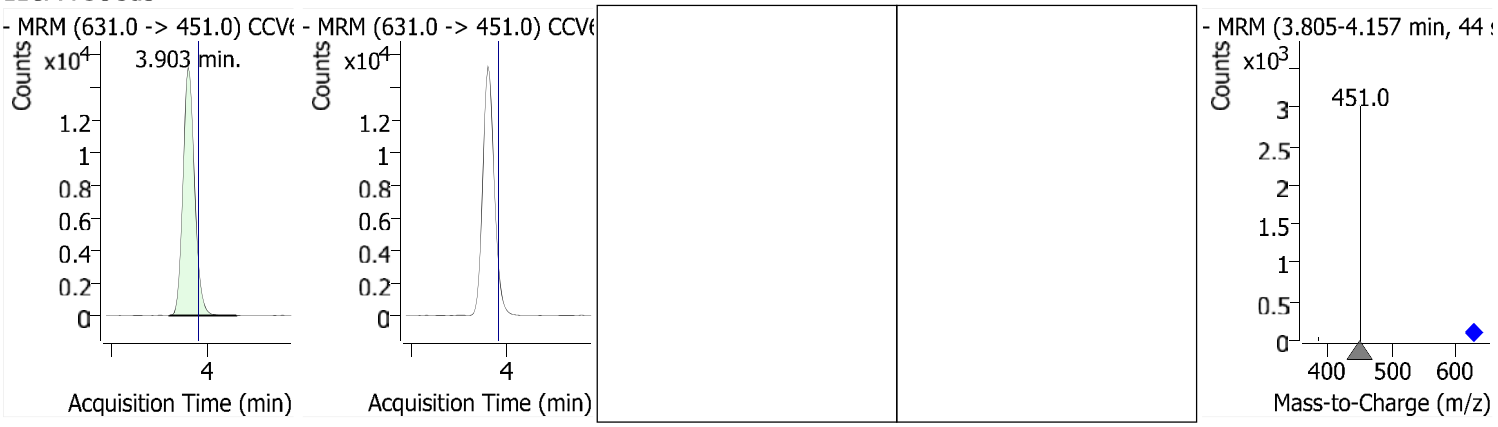
* Values outside of QC limits

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 3:33 PM	Data File	CCV6_041322.d
Sample Type	CC	Sample Name	CCV6_041322
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment	E#2203535	Processing method	5371_041222.m
Instrument	QQQ2		

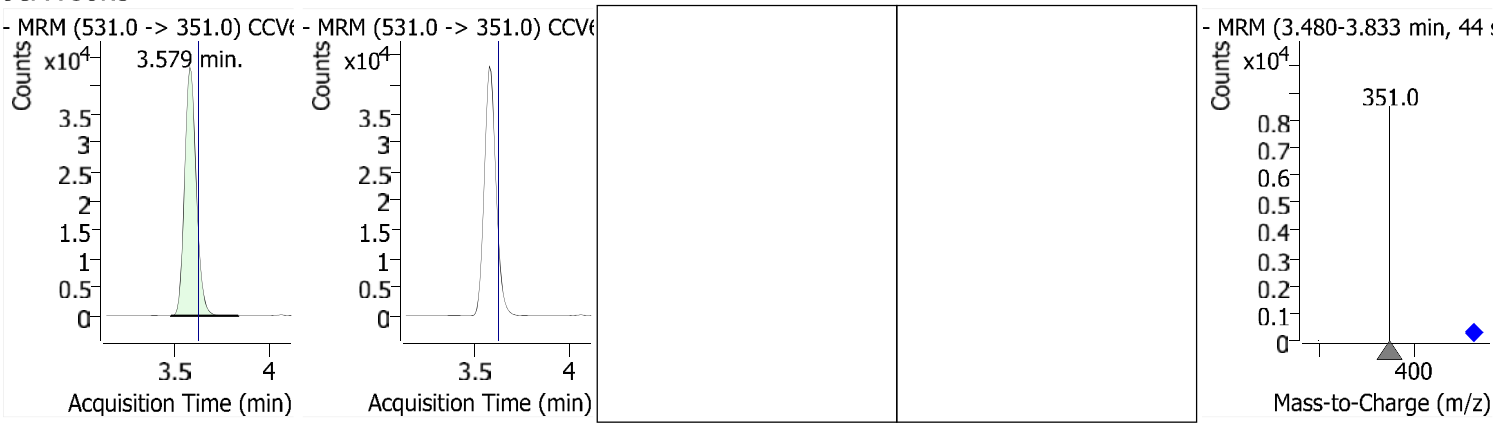


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	64502	PFOS C13	3.458	335105	2508.1082	pg/ml			
9Cl-PF3ONS	3.579	183747	PFOS C13	3.458	335105	2515.5373	pg/ml			
ADONA	2.733	319625	PFOA C13	3.162	866189	2666.2708	pg/ml			
d5-N-EtFOSAA	3.831	813768	d3-N-MeFOSAA	3.741	837746	41962.2544	pg/ml			
HFPO-DA	2.041	11118	PFOA C13	3.162	866189	2731.5880	pg/ml			
N-EtFOSAA	3.831	54831	d3-N-MeFOSAA	3.741	837746	3033.3811	pg/ml			
N-MeFOSAA	3.741	61953	d3-N-MeFOSAA	3.741	837746	2693.1358	pg/ml			
PFBS	1.308	47614	PFOS C13	3.458	335105	2238.6108	pg/ml			
PFDA C13	3.653	748649	PFOA C13	3.162	866189	10025.4990	pg/ml			
PFDA	3.653	192408	PFOA C13	3.162	866189	2724.2224	pg/ml			
PFDoA	3.977	198262	PFOA C13	3.162	866189	2814.5137	pg/ml			
PFHpA	2.617	98357	PFOA C13	3.162	866189	2653.0774	pg/ml			
PFHxA C13	1.813	788622	PFOA C13	3.162	866189	9949.9134	pg/ml			
PFHxA	1.814	163687	PFOA C13	3.162	866189	2682.6292	pg/ml			
PFHxS	2.697	35616	PFOS C13	3.458	335105	2493.3061	pg/ml			
PFNA	3.451	185394	PFOA C13	3.162	866189	2682.9354	pg/ml			
PFOA	3.163	252953	PFOA C13	3.162	866189	2871.6368	pg/ml			
PFOS	3.459	29961	PFOS C13	3.458	335105	2545.2517	pg/ml			
M3HFPO-DA	2.040	79263	PFOA C13	3.162	866189	9832.8097	pg/ml			
PFTA	4.222	251054	PFOA C13	3.162	866189	2852.5043	pg/ml			
PFTrDA	4.107	252675	PFOA C13	3.162	866189	2766.2971	pg/ml			
PFUnA	3.824	180539	PFOA C13	3.162	866189	2777.7098	pg/ml			

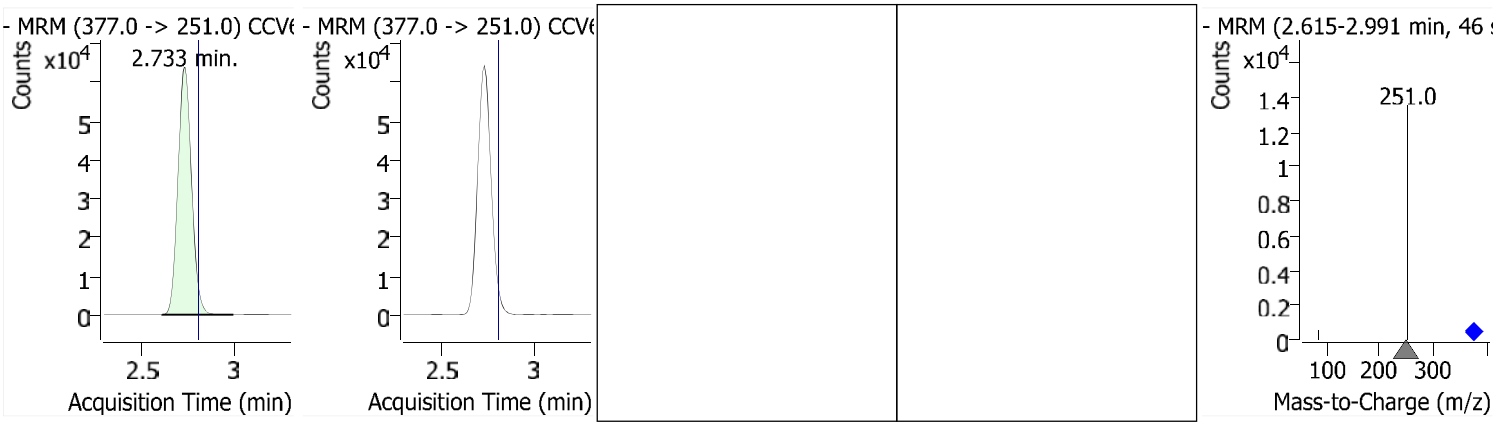
11Cl-PF3OUdS



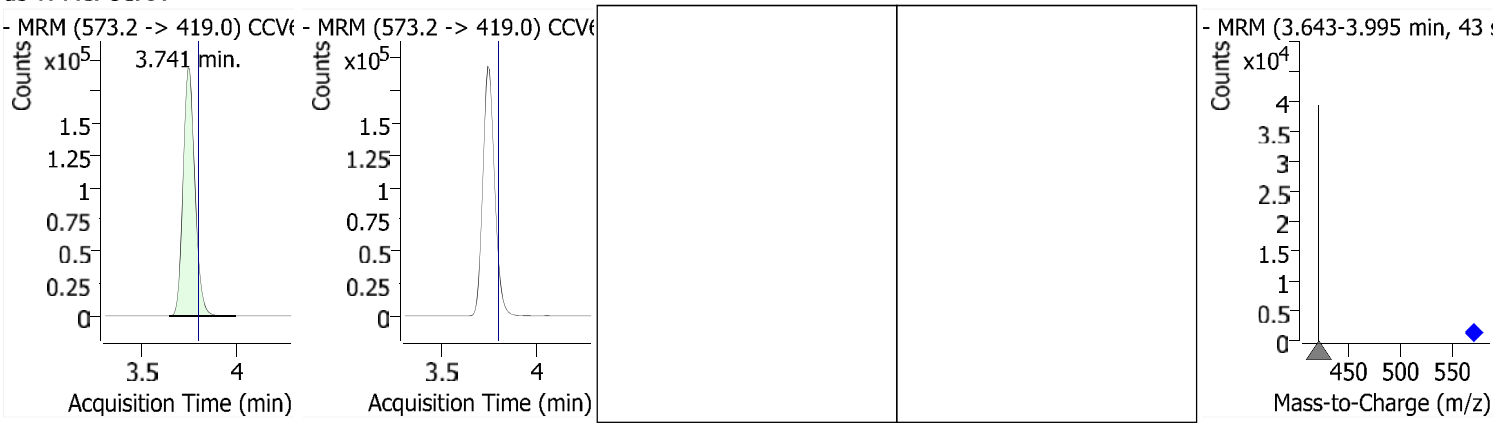
9Cl-PF3ONS



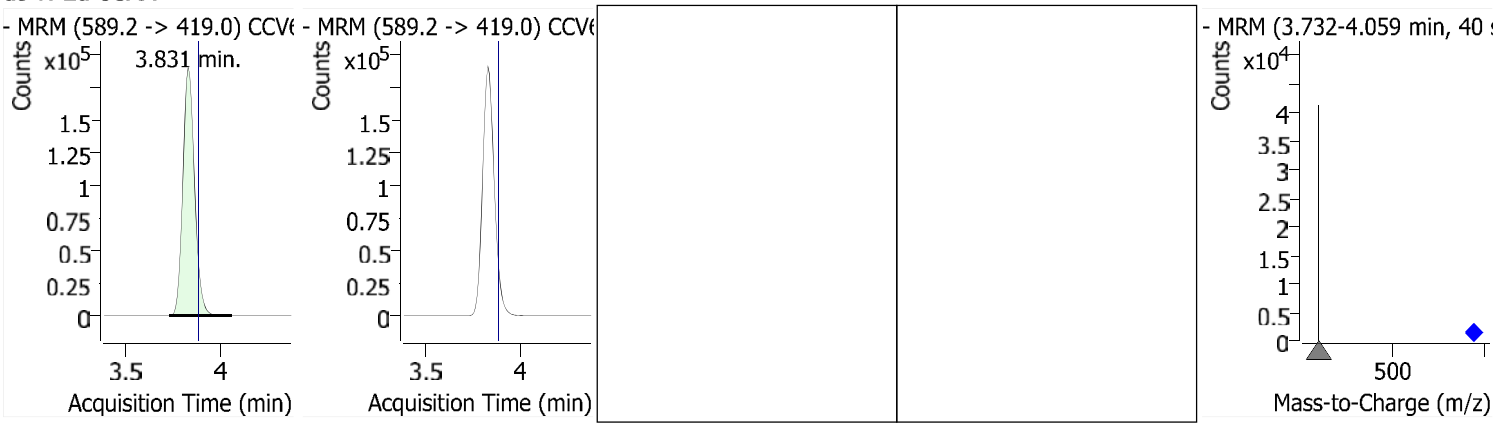
ADONA



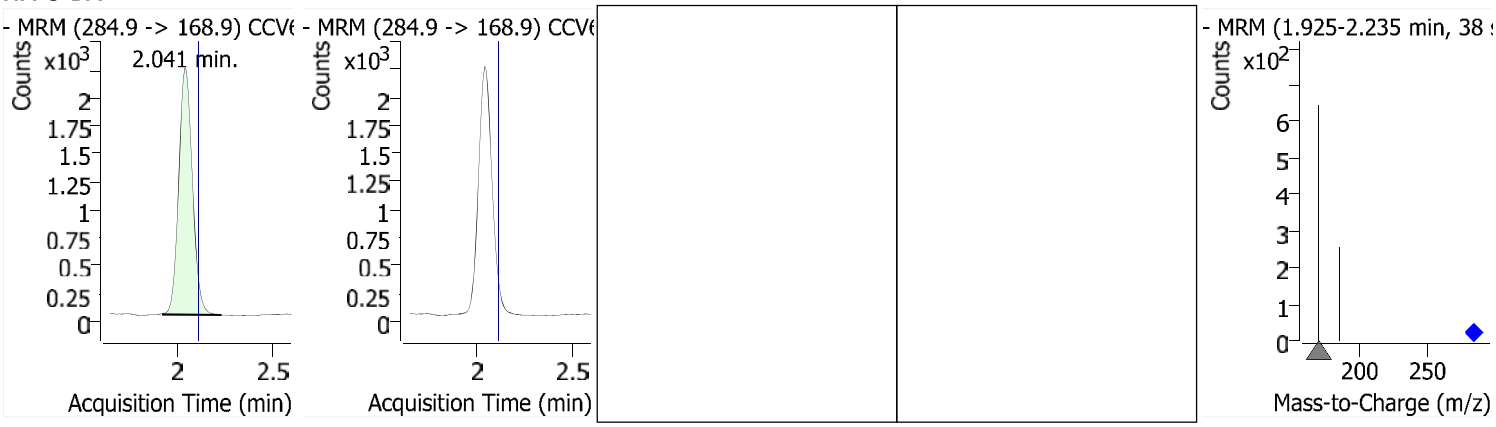
d3-N-MeFOSAA



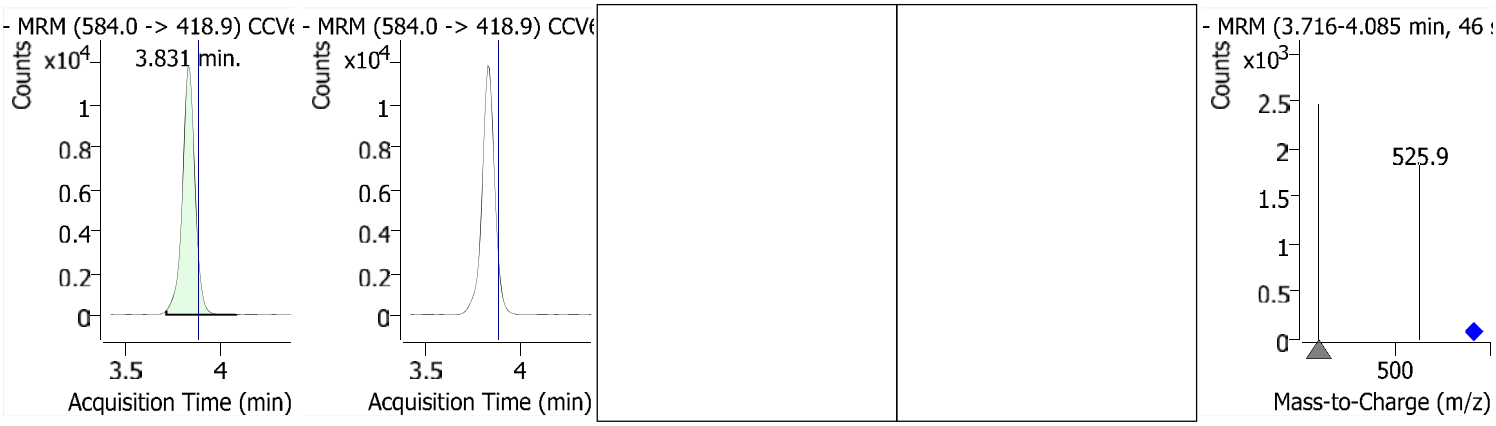
d5-N-EtFOSAA



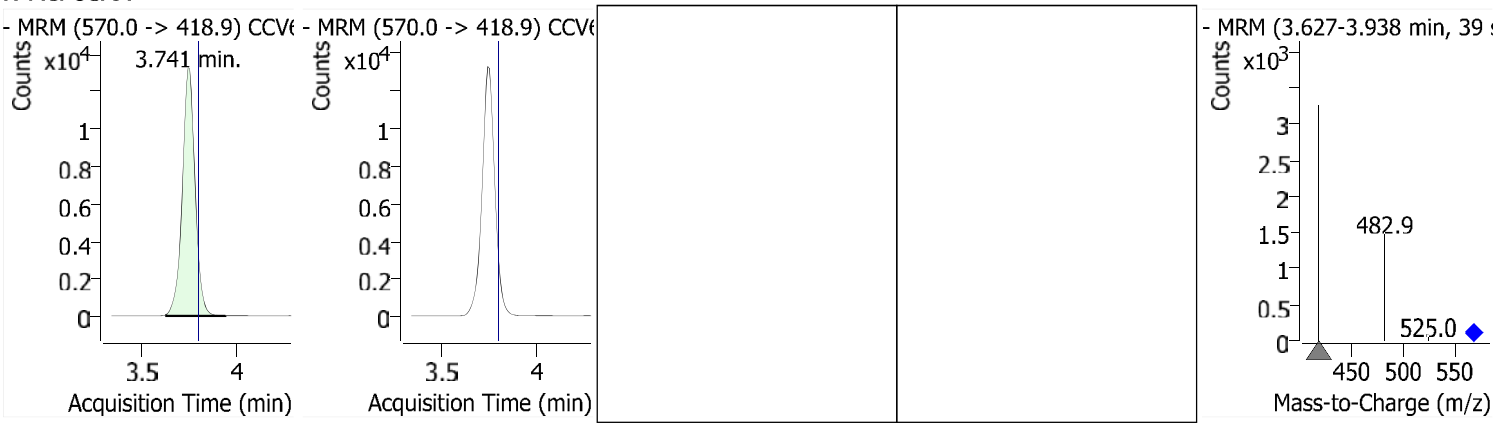
HFPO-DA



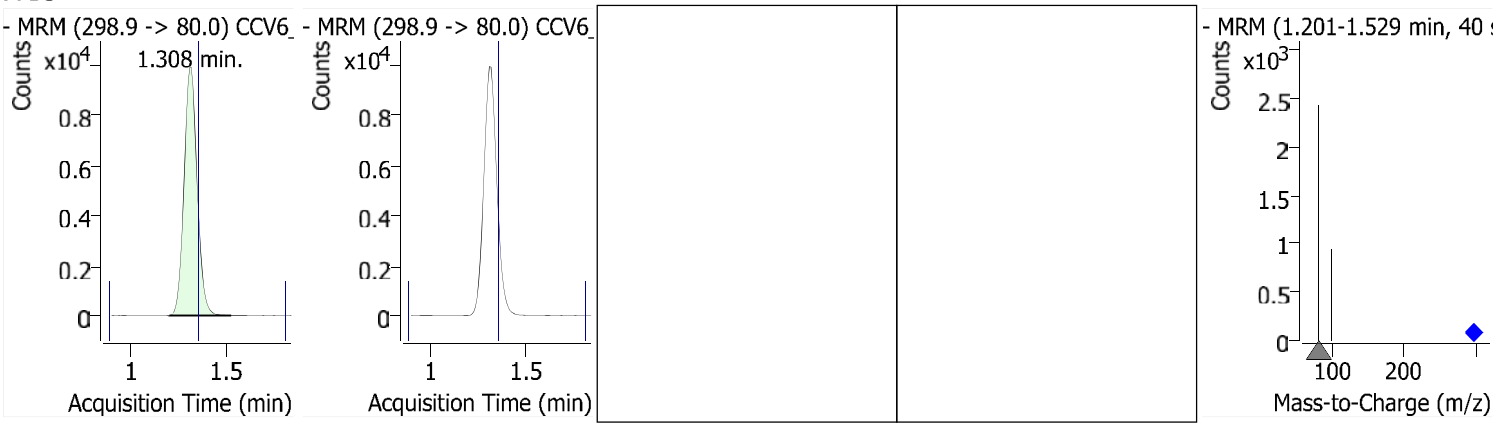
N-EtFOSAA



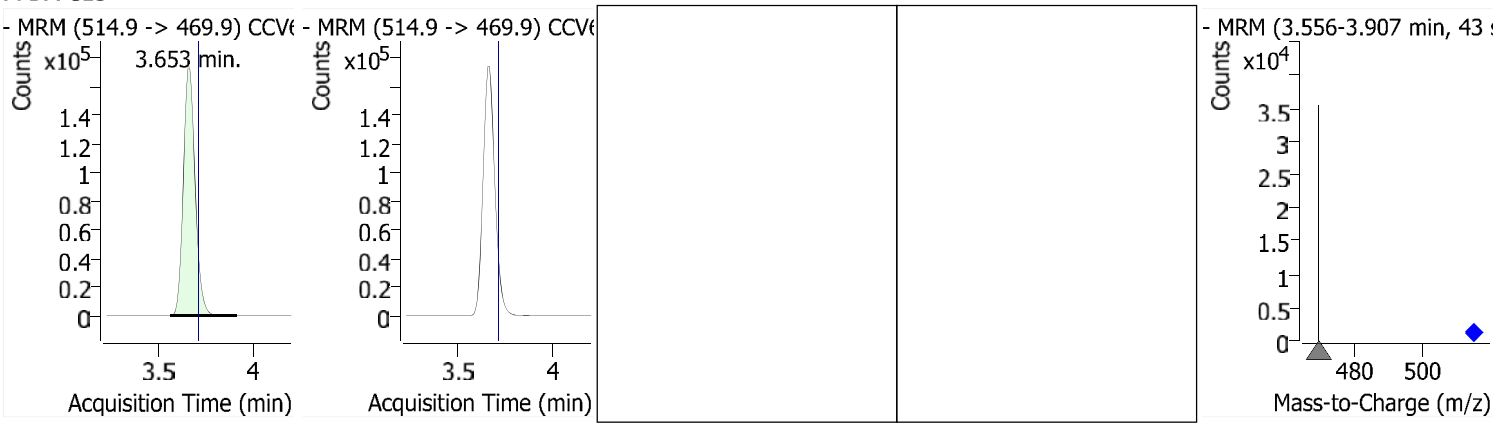
N-MeFOSAA



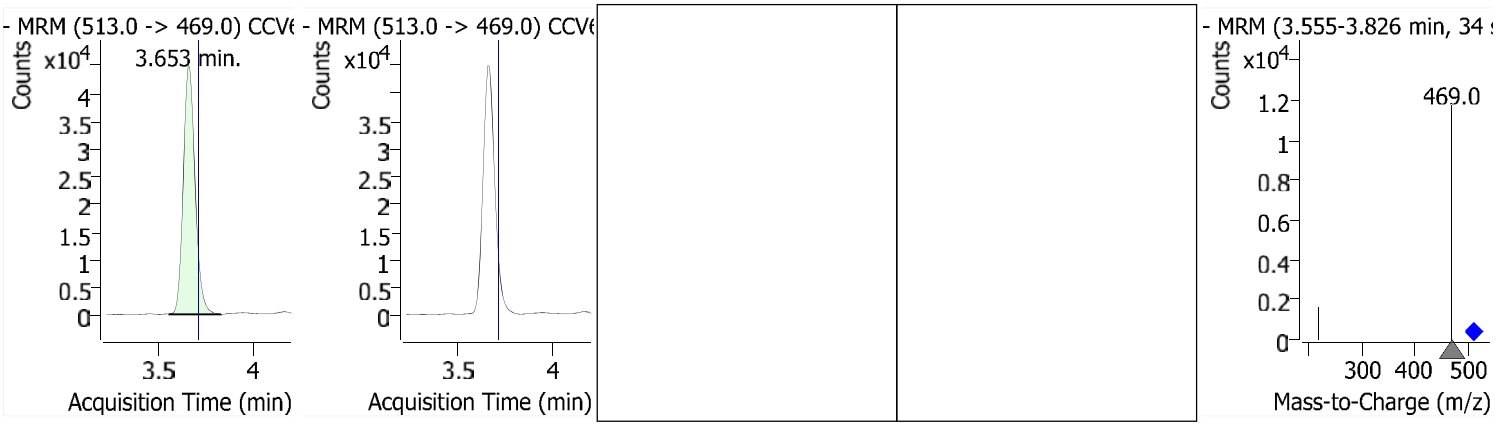
PFBS



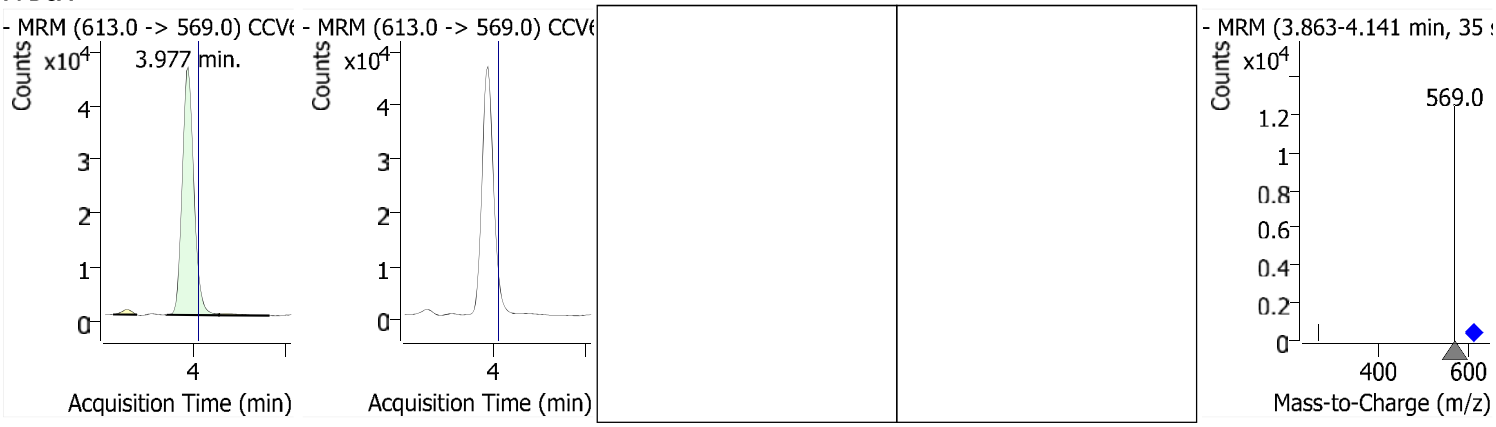
PFDA C13



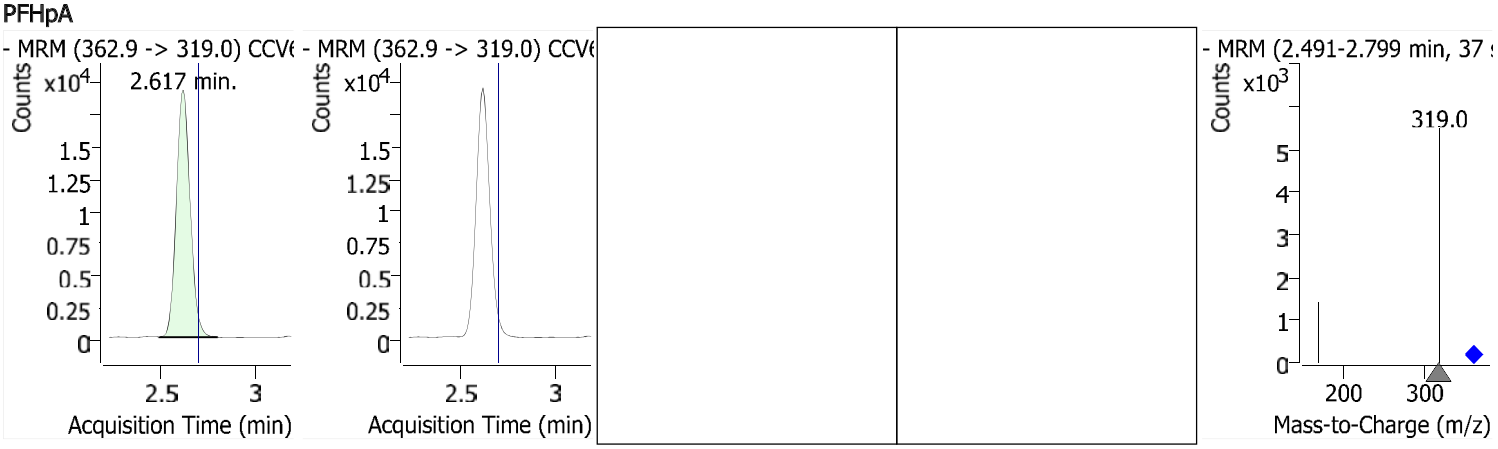
PFDA



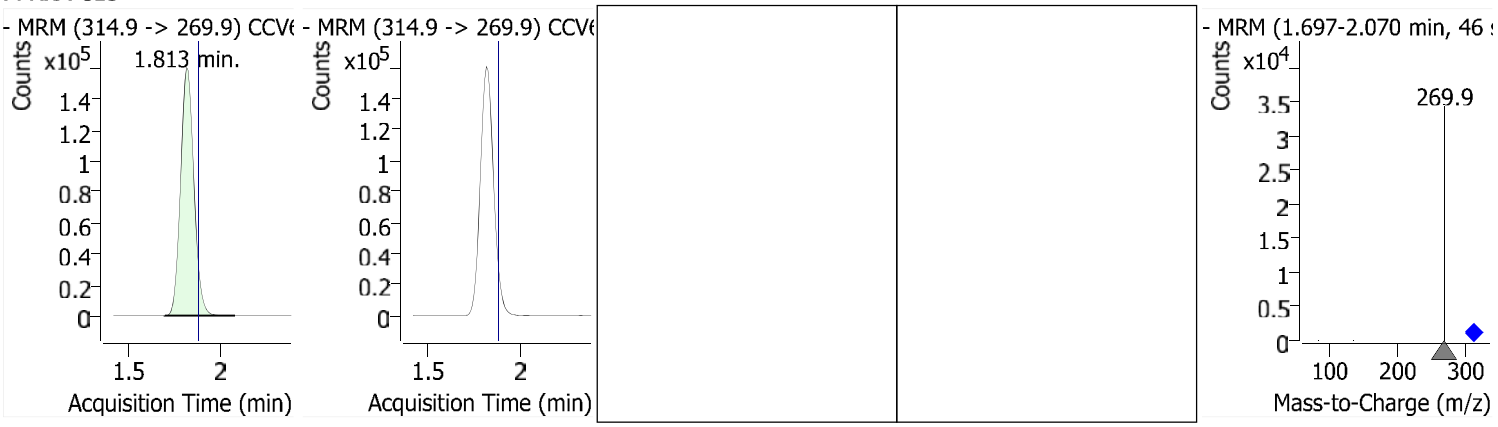
PFDoA



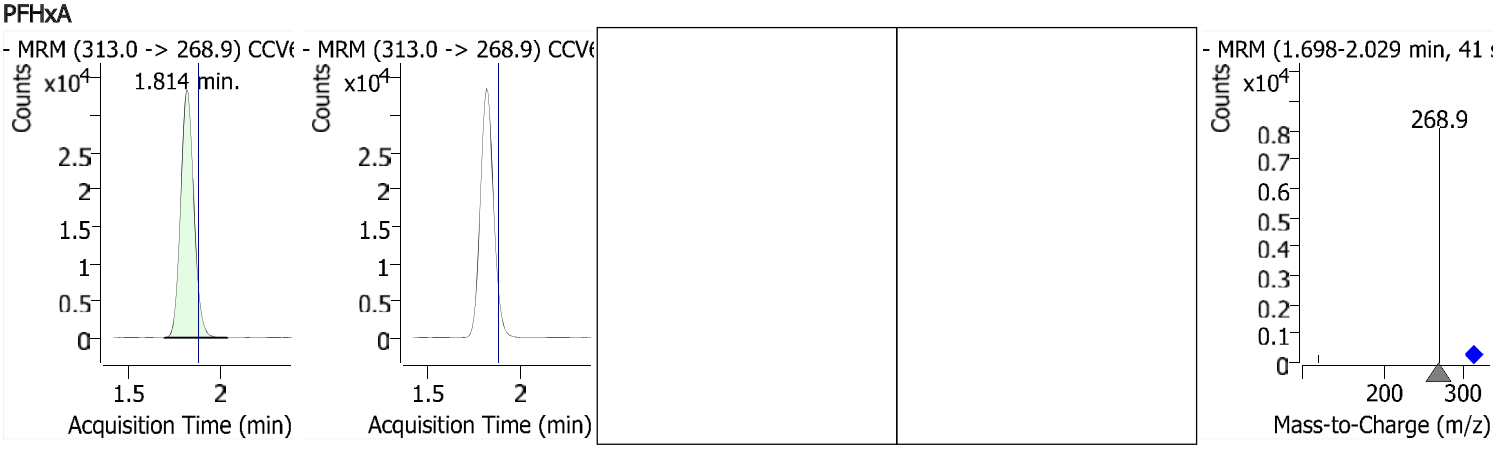
PFHpA



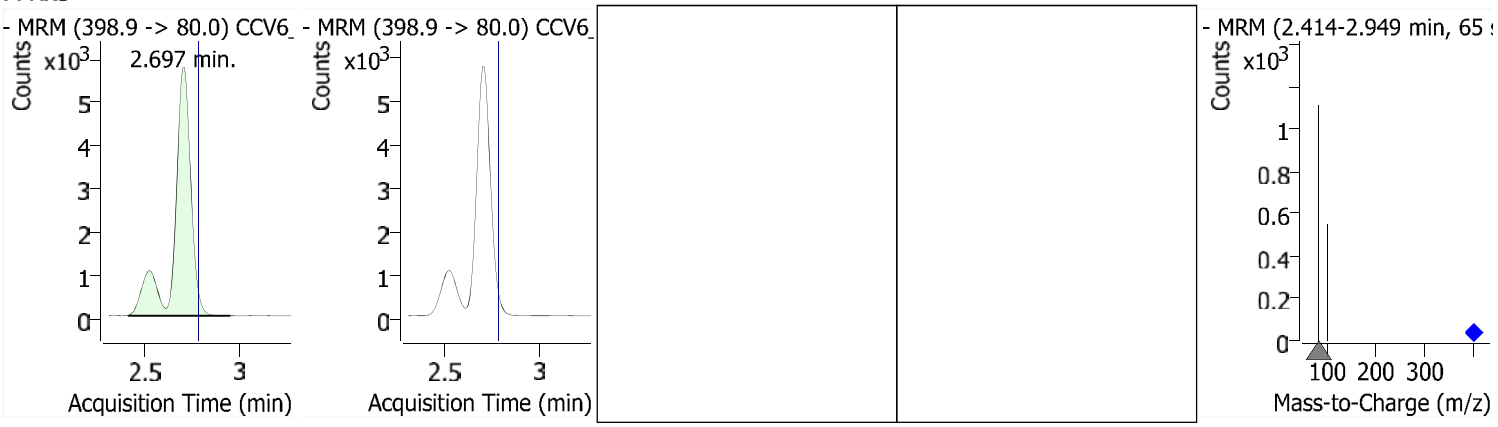
PFHxA C13



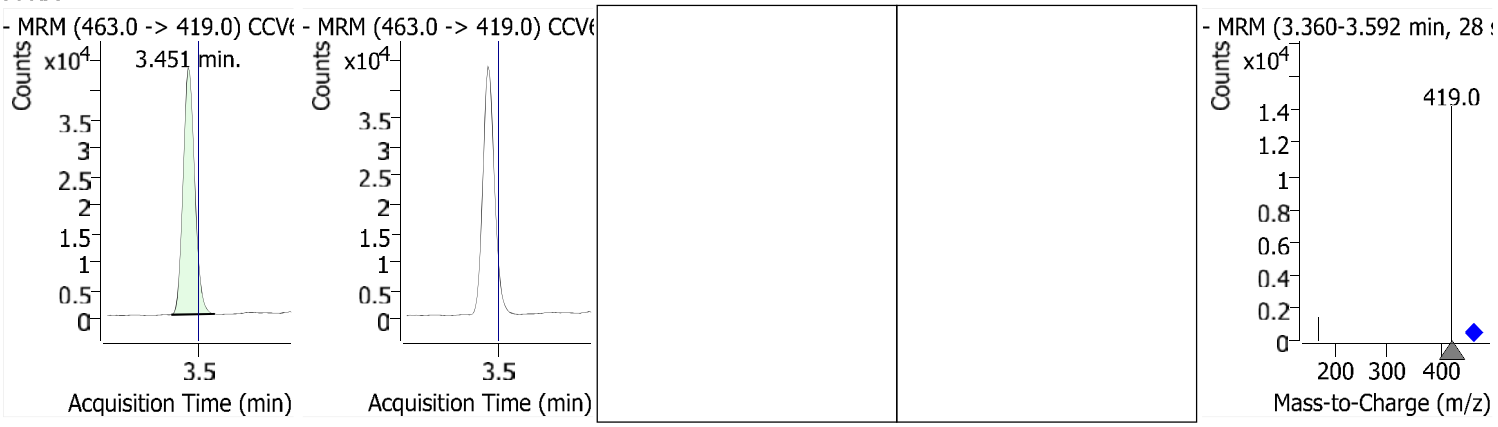
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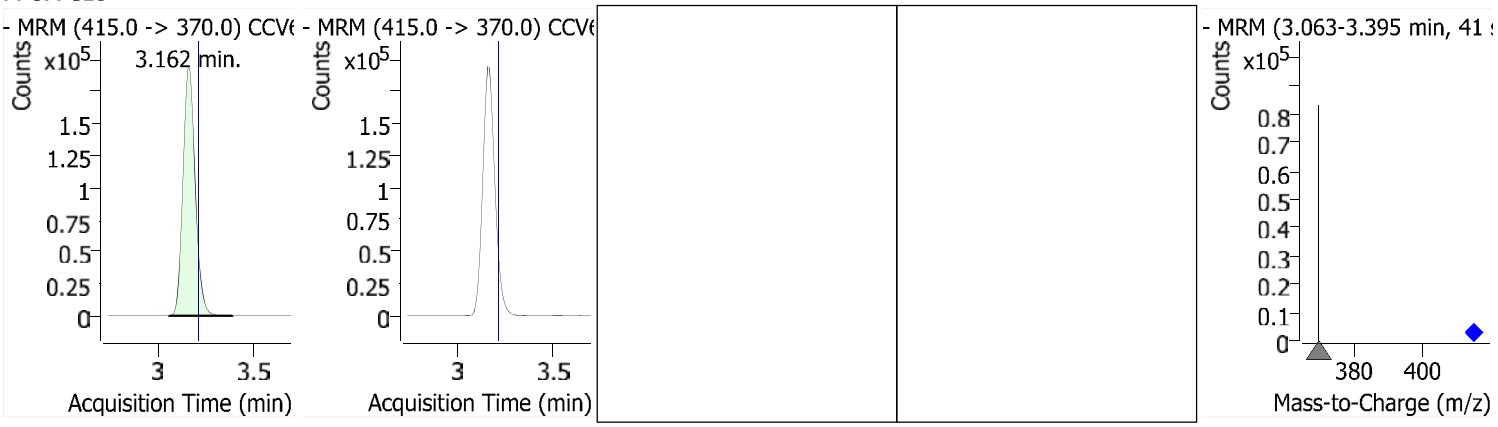
PFHxS



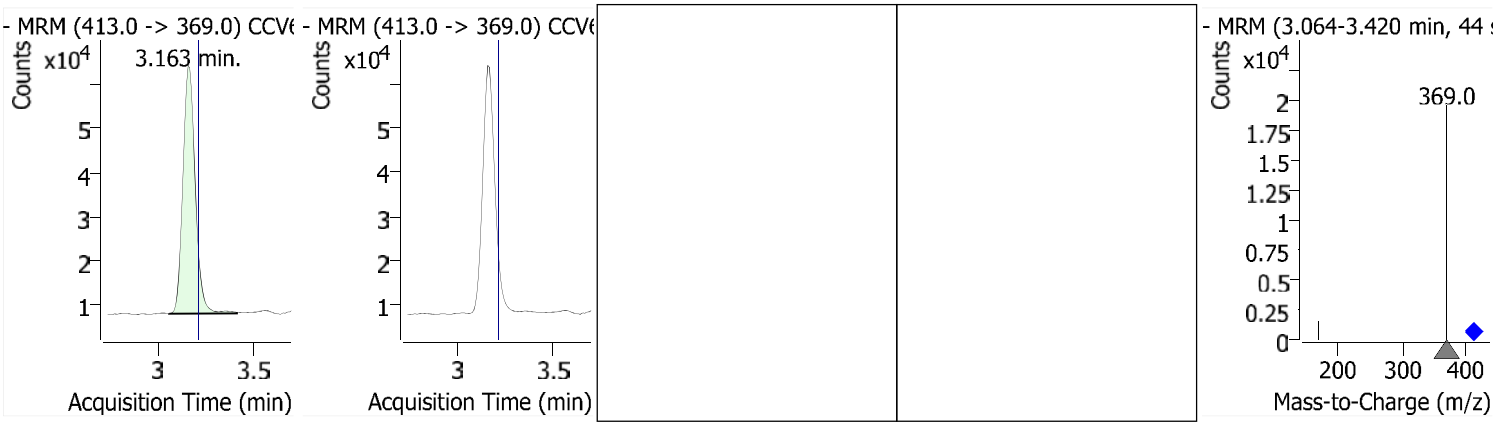
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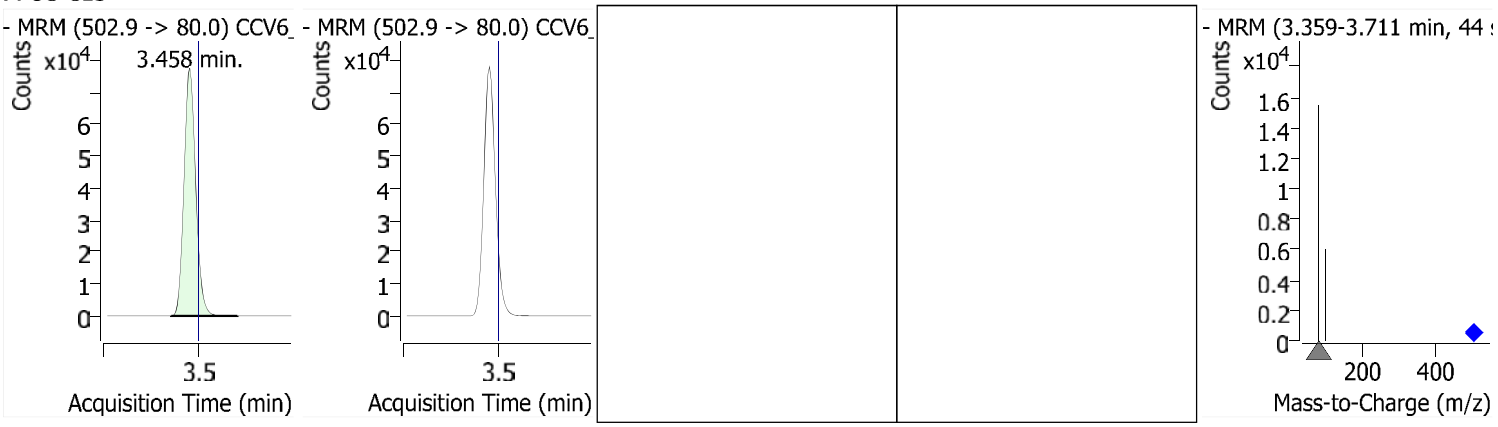
PFOA C13



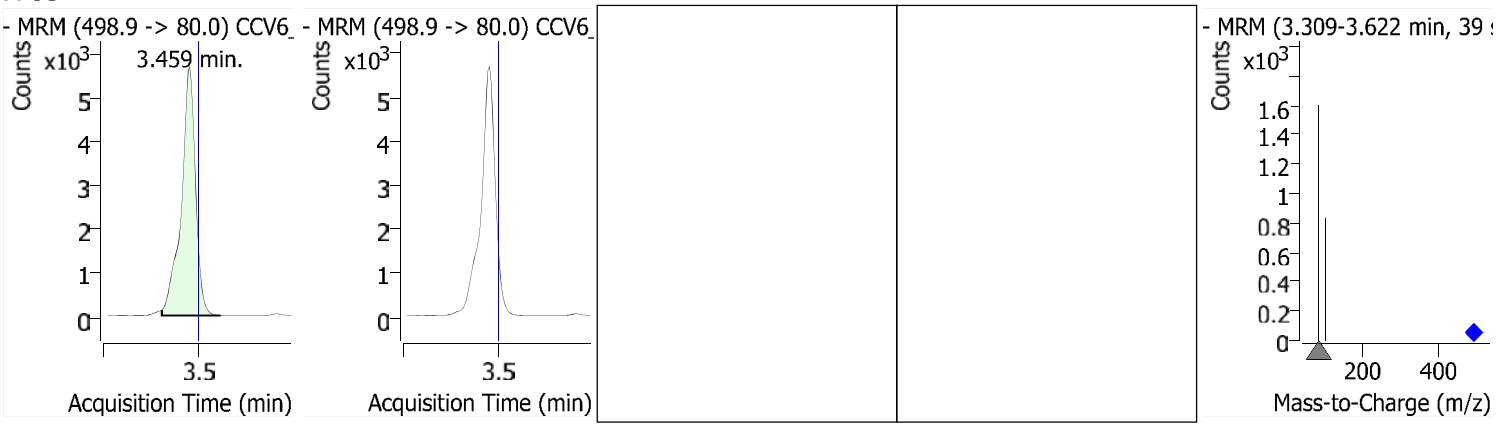
PFOA



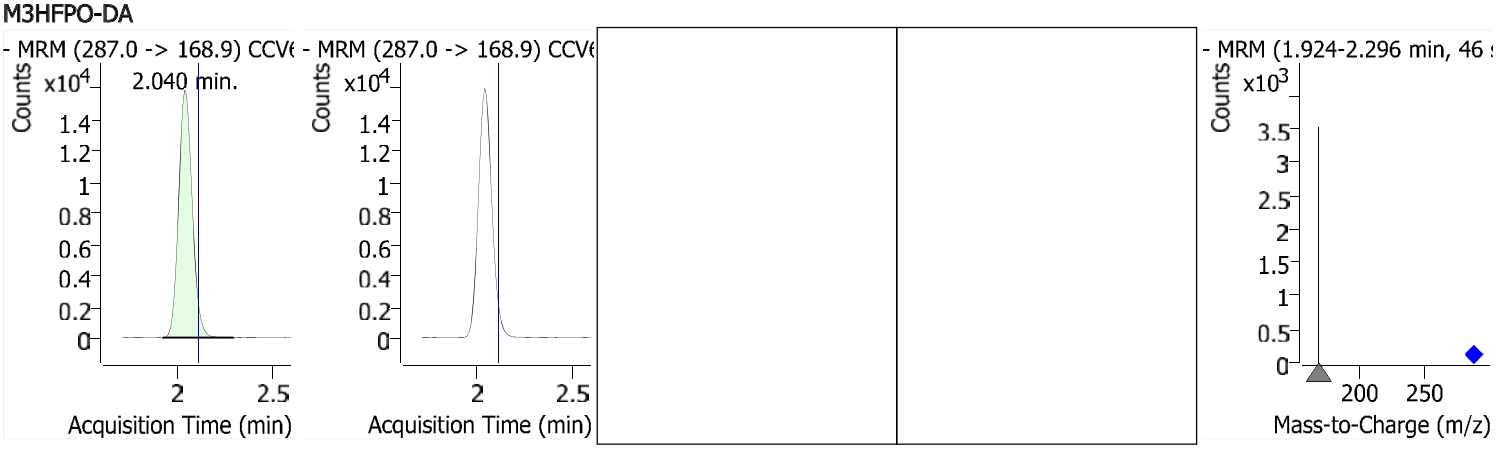
PFOS C13



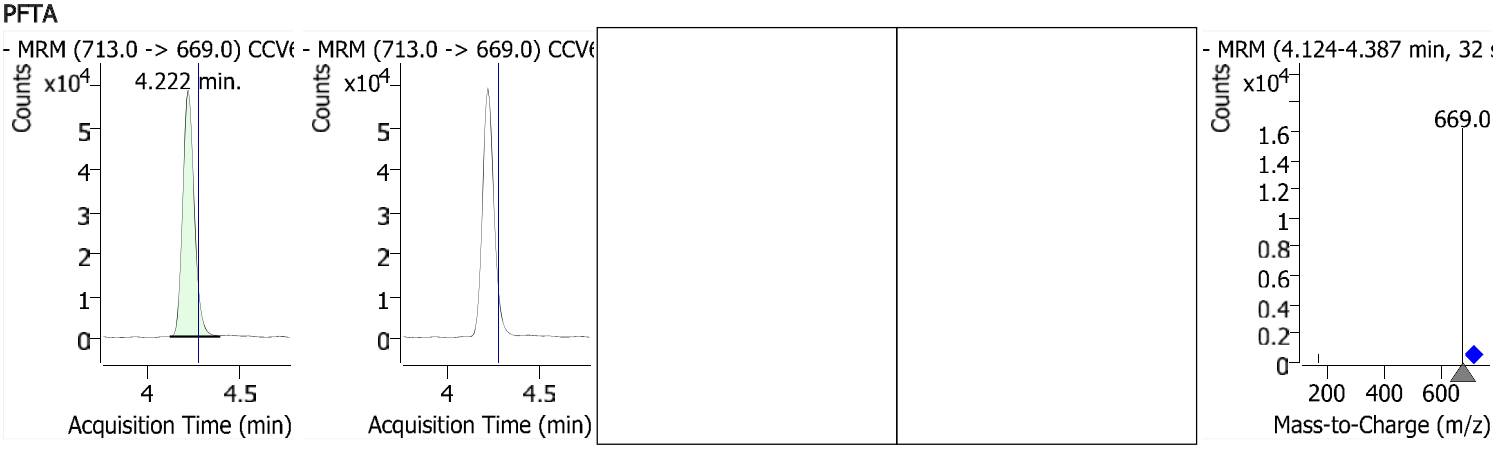
PFOS



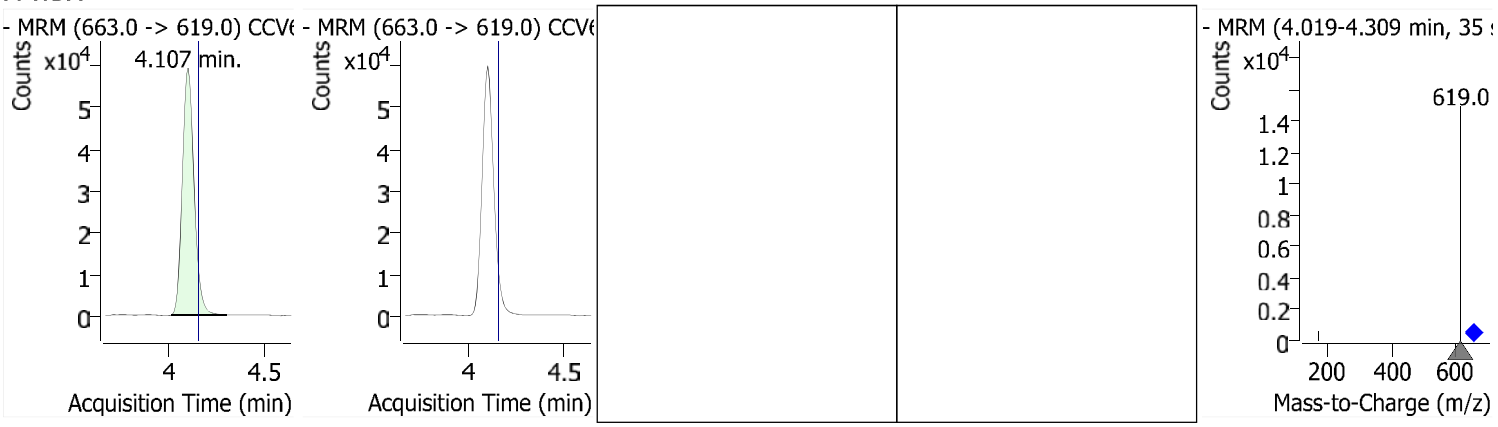
M3HFPO-DA



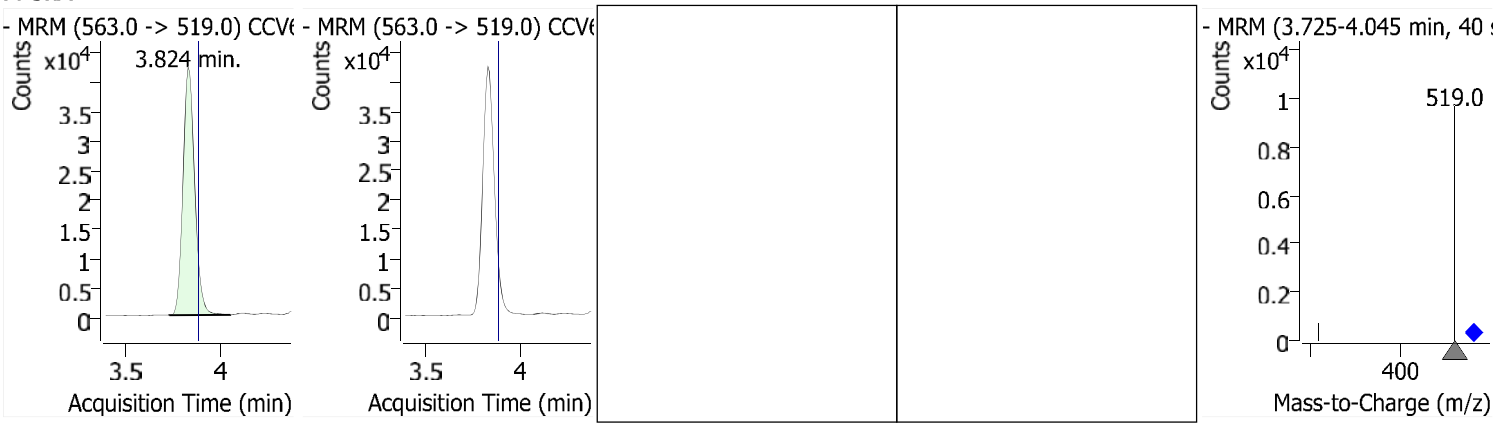
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) CCV
- MRM (563.0 -> 519.0) CCV
- MRM (3.725-4.045 min, 40
Counts
x10^4
3.824 min.
Acquisition Time (min)
519.0
Mass-to-Charge (m/z)

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070364	Instrument:	QQQ2
		Calibration:	2200181

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S070364-CCV1)			*Lab File ID: CCV4_041322.d*			*Analyzed: 04/13/22 12:34*			
13C-PFOA	873053.1	3.162383	936363	3.162383	93	50 - 150	0.0000	+/-0.50	
13C-PFOS	340322.2	3.45815	354551	3.45815	96	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	848122.5	3.740933	918191	3.740933	92	50 - 150	0.0000	+/-0.50	
LCS (B305410-BS1)			*Lab File ID: B305410-BS1.d*			*Analyzed: 04/13/22 12:41*			
13C-PFOA	911261.8	3.162383	936363	3.162383	97	50 - 150	0.0000	+/-0.50	
13C-PFOS	343998.4	3.458167	354551	3.45815	97	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	893839.3	3.74095	918191	3.740933	97	50 - 150	0.0000	+/-0.50	
Blank (B305410-BLK1)			*Lab File ID: B305410-BLK1.d*			*Analyzed: 04/13/22 12:48*			
13C-PFOA	802053.1	3.162367	936363	3.162383	86	50 - 150	0.0000	+/-0.50	
13C-PFOS	302183.6	3.45815	354551	3.45815	85	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	772247.4	3.740933	918191	3.740933	84	50 - 150	0.0000	+/-0.50	
Matrix Spike (B305410-MS1)			*Lab File ID: B305410-MS1.d*			*Analyzed: 04/13/22 12:55*			
13C-PFOA	872041	3.162367	936363	3.162383	93	50 - 150	0.0000	+/-0.50	
13C-PFOS	341556.2	3.45815	354551	3.45815	96	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	893931.9	3.740917	918191	3.740933	97	50 - 150	0.0000	+/-0.50	
Matrix Spike Dup (B305410-MSD1)			*Lab File ID: B305410-MSD1.d*			*Analyzed: 04/13/22 13:02*			
13C-PFOA	805846.9	3.162367	936363	3.162383	86	50 - 150	0.0000	+/-0.50	
13C-PFOS	317218.4	3.458133	354551	3.45815	89	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	810468.6	3.740917	918191	3.740933	88	50 - 150	0.0000	+/-0.50	
907017-MW-116S (22D0549-01)			*Lab File ID: 22D0549-01.d*			*Analyzed: 04/13/22 13:10*			
13C-PFOA	896495.6	3.162383	936363	3.162383	96	50 - 150	0.0000	+/-0.50	
13C-PFOS	337593.8	3.45815	354551	3.45815	95	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	855551.6	3.740933	918191	3.740933	93	50 - 150	0.0000	+/-0.50	
907017-MW-109S (22D0549-02)			*Lab File ID: 22D0549-02.d*			*Analyzed: 04/13/22 13:17*			
13C-PFOA	919161.7	3.162383	936363	3.162383	98	50 - 150	0.0000	+/-0.50	
13C-PFOS	343964.7	3.45815	354551	3.45815	97	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	891708.8	3.740933	918191	3.740933	97	50 - 150	0.0000	+/-0.50	
907017-MW-113S (22D0549-03)			*Lab File ID: 22D0549-03.d*			*Analyzed: 04/13/22 13:24*			
13C-PFOA	914433.6	3.162367	936363	3.162383	98	50 - 150	0.0000	+/-0.50	
13C-PFOS	347754.4	3.458133	354551	3.45815	98	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	873030.5	3.740917	918191	3.740933	95	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070364	Instrument:	QQQ2
		Calibration:	2200181

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-DUP-04062022 (22D0549-04)			*Lab File ID: 22D0549-04.d*			*Analyzed: 04/13/22 13:31*			
13C-PFOA	934313.3	3.162383	936363	3.162383	100	50 - 150	0.0000	+/-0.50	
13C-PFOS	347627.3	3.45815	354551	3.45815	98	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	880426.3	3.740933	918191	3.740933	96	50 - 150	0.0000	+/-0.50	
907017-MW-101 (22D0549-05)			*Lab File ID: 22D0549-05.d*			*Analyzed: 04/13/22 13:38*			
13C-PFOA	908378.3	3.162383	936363	3.162383	97	50 - 150	0.0000	+/-0.50	
13C-PFOS	340009.1	3.45815	354551	3.45815	96	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	914429.6	3.740933	918191	3.740933	100	50 - 150	0.0000	+/-0.50	
907017-MW-117S (22D0549-06)			*Lab File ID: 22D0549-06.d*			*Analyzed: 04/13/22 13:45*			
13C-PFOA	931548.3	3.162383	936363	3.162383	99	50 - 150	0.0000	+/-0.50	
13C-PFOS	336967.2	3.45815	354551	3.45815	95	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	914732.7	3.740933	918191	3.740933	100	50 - 150	0.0000	+/-0.50	
907017-MW-118S (22D0549-07)			*Lab File ID: 22D0549-07.d*			*Analyzed: 04/13/22 13:53*			
13C-PFOA	777847	3.162367	936363	3.162383	83	50 - 150	0.0000	+/-0.50	
13C-PFOS	304308.3	3.458133	354551	3.45815	86	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	767363.1	3.740917	918191	3.740933	84	50 - 150	0.0000	+/-0.50	
907017-MW-114S (22D0549-08)			*Lab File ID: 22D0549-08.d*			*Analyzed: 04/13/22 14:00*			
13C-PFOA	773319.8	3.162367	936363	3.162383	83	50 - 150	0.0000	+/-0.50	
13C-PFOS	306918.2	3.458133	354551	3.45815	87	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	792468.9	3.740917	918191	3.740933	86	50 - 150	0.0000	+/-0.50	
907017-MW-115S (22D0549-09)			*Lab File ID: 22D0549-09.d*			*Analyzed: 04/13/22 14:07*			
13C-PFOA	833750.3	3.1624	936363	3.162383	89	50 - 150	0.0000	+/-0.50	
13C-PFOS	311075.1	3.458167	354551	3.45815	88	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	839536.4	3.74095	918191	3.740933	91	50 - 150	0.0000	+/-0.50	
907017-MW-102I (22D0549-10)			*Lab File ID: 22D0549-10.d*			*Analyzed: 04/13/22 14:14*			
13C-PFOA	835934.1	3.162383	936363	3.162383	89	50 - 150	0.0000	+/-0.50	
13C-PFOS	321715	3.45815	354551	3.45815	91	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	818209.6	3.740933	918191	3.740933	89	50 - 150	0.0000	+/-0.50	
Calibration Check (S070364-CCV2)			*Lab File ID: CCV5_041322.d*			*Analyzed: 04/13/22 14:21*			
13C-PFOA	905453.1	3.162367	936363	3.162383	97	50 - 150	0.0000	+/-0.50	
13C-PFOS	335113.3	3.45815	354551	3.45815	95	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	871591	3.740933	918191	3.740933	95	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070364	Instrument:	QQQ2
		Calibration:	2200181

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-MW-102S (22D0549-11)			*Lab File ID: 22D0549-11.d*			*Analyzed: 04/13/22 14:28*			
13C-PFOA	804039.8	3.162367	936363	3.162367	86	50 - 150	0.0000	+/-0.50	
13C-PFOS	311179.1	3.45815	354551	3.45815	88	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	813815.8	3.740933	918191	3.740933	89	50 - 150	0.0000	+/-0.50	
907017-MW-117D (22D0549-12)			*Lab File ID: 22D0549-12.d*			*Analyzed: 04/13/22 14:35*			
13C-PFOA	798058.3	3.162383	936363	3.162367	85	50 - 150	0.0000	+/-0.50	
13C-PFOS	298678.7	3.45815	354551	3.45815	84	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	848617.4	3.740933	918191	3.740933	92	50 - 150	0.0000	+/-0.50	
907017-MW-117I (22D0549-13)			*Lab File ID: 22D0549-13.d*			*Analyzed: 04/13/22 14:43*			
13C-PFOA	786661.7	3.162383	936363	3.162367	84	50 - 150	0.0000	+/-0.50	
13C-PFOS	308672.5	3.45815	354551	3.45815	87	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	810391.7	3.740917	918191	3.740933	88	50 - 150	0.0000	+/-0.50	
907017-MW-109I (22D0549-14)			*Lab File ID: 22D0549-14.d*			*Analyzed: 04/13/22 14:50*			
13C-PFOA	806163.6	3.162367	936363	3.162367	86	50 - 150	0.0000	+/-0.50	
13C-PFOS	316535.9	3.458133	354551	3.45815	89	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	794486.8	3.740917	918191	3.740933	87	50 - 150	0.0000	+/-0.50	
907017-MW-109D (22D0549-15)			*Lab File ID: 22D0549-15.d*			*Analyzed: 04/13/22 14:57*			
13C-PFOA	818467.2	3.162367	936363	3.162367	87	50 - 150	0.0000	+/-0.50	
13C-PFOS	315768.1	3.45815	354551	3.45815	89	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	833121.6	3.740917	918191	3.740933	91	50 - 150	0.0000	+/-0.50	
907017-RB-04052022 (22D0549-16)			*Lab File ID: 22D0549-16.d*			*Analyzed: 04/13/22 15:04*			
13C-PFOA	799539.9	3.162367	936363	3.162367	85	50 - 150	0.0000	+/-0.50	
13C-PFOS	302044.6	3.458133	354551	3.45815	85	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	750849.5	3.740917	918191	3.740933	82	50 - 150	0.0000	+/-0.50	
907017-FB-04052022 (22D0549-17)			*Lab File ID: 22D0549-17.d*			*Analyzed: 04/13/22 15:11*			
13C-PFOA	879156.5	3.162383	936363	3.162367	94	50 - 150	0.0000	+/-0.50	
13C-PFOS	329956.8	3.458167	354551	3.45815	93	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	836653.5	3.74095	918191	3.740933	91	50 - 150	0.0000	+/-0.50	
907017-RB-04062022 (22D0549-18)			*Lab File ID: 22D0549-18.d*			*Analyzed: 04/13/22 15:18*			
13C-PFOA	806845.8	3.162367	936363	3.162367	86	50 - 150	0.0000	+/-0.50	
13C-PFOS	304625.5	3.458133	354551	3.45815	86	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	784197.4	3.740917	918191	3.740933	85	50 - 150	0.0000	+/-0.50	

8 - FORM VIII
INTERNAL STANDARD AREA AND RT SUMMARY

EPA 537.1

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - NY	Project:	Carroll Landfill - CO SMPC0001
Sequence:	S070364	Instrument:	QQQ2
		Calibration:	2200181

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
907017-FB-04062022 (22D0549-19)			*Lab File ID: 22D0549-19.d*			*Analyzed: 04/13/22 15:26*			
13C-PFOA	833006.4	3.162367	936363	3.162367	89	50 - 150	0.0000	+/-0.50	
13C-PFOS	316589.3	3.45815	354551	3.45815	89	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	830121.3	3.740917	918191	3.740933	90	50 - 150	0.0000	+/-0.50	
Calibration Check (S070364-CCV3)			*Lab File ID: CCV6_041322.d*			*Analyzed: 04/13/22 15:33*			
13C-PFOA	866188.6	3.162367	936363	3.162367	93	50 - 150	0.0000	+/-0.50	
13C-PFOS	335105.5	3.458133	354551	3.45815	95	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	837746.4	3.740933	918191	3.740933	91	50 - 150	0.0000	+/-0.50	

QC DATA

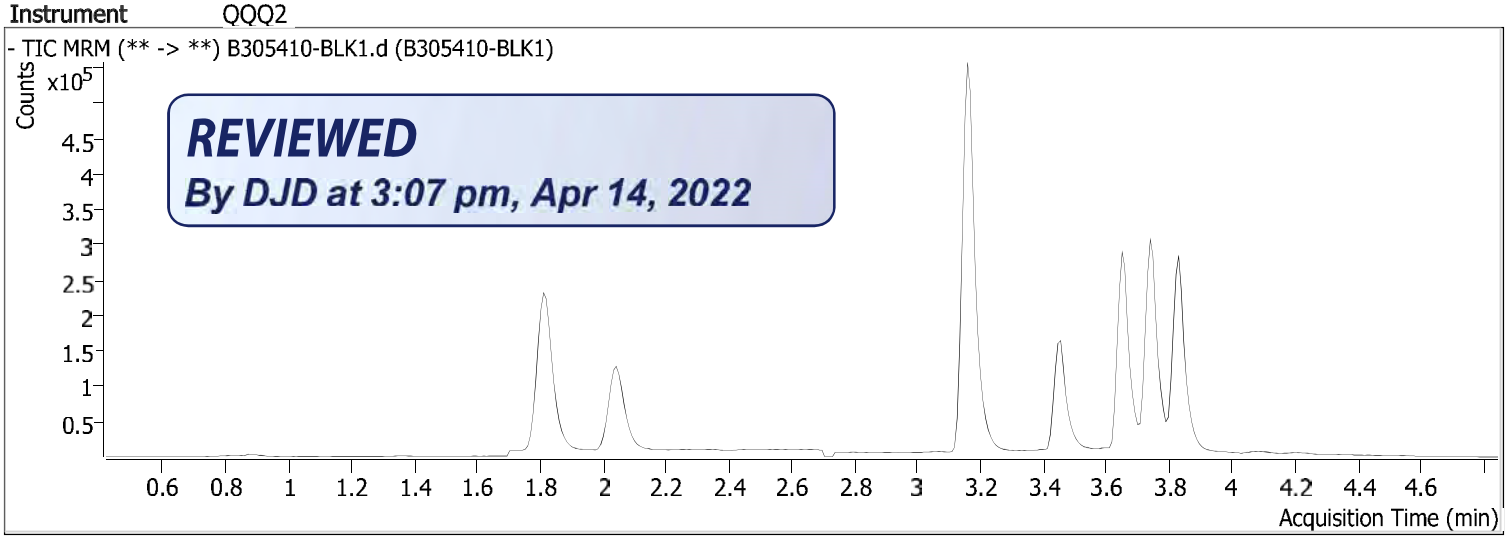
1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Drinking Water	Laboratory ID:	B305410-BLK1	File ID:	B305410-BLK1.d
Sampled:		Prepared:	04/11/22 09:55	Analyzed:	04/13/22 12:48
Solids:		Preparation:	EPA 537.1	Dilution:	
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				
Column:	1				

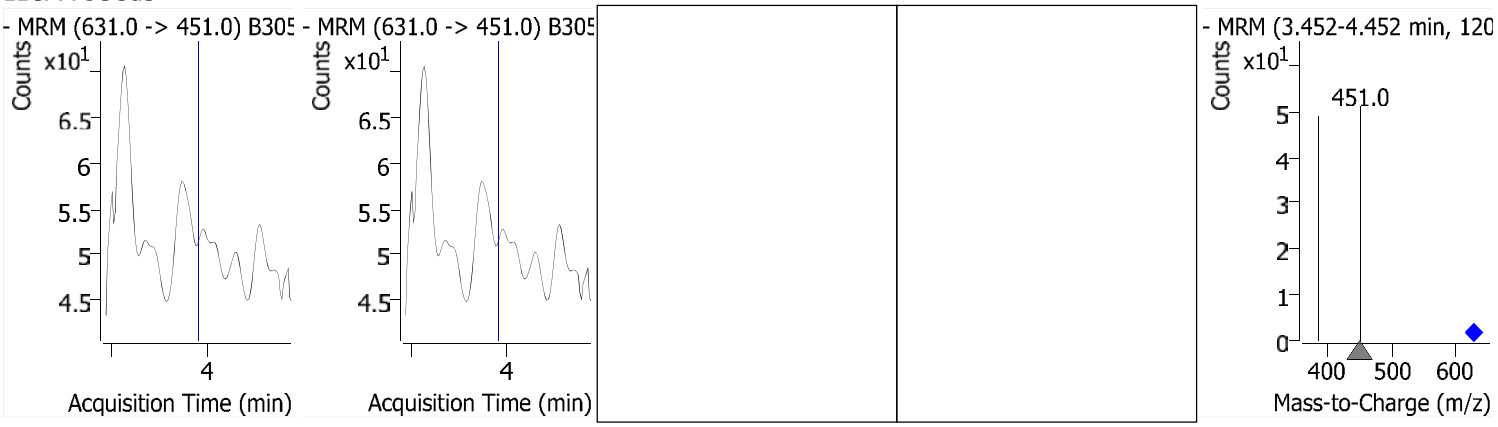
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)		0.72	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)		0.83	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)		0.61	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)		0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)		0.88	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		0.81	1.9	
375-95-1	Perfluorononanoic acid (PFNA)		0.83	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)		0.69	1.9	
2991-50-6	N-EtFOSAA		0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)		0.63	1.9	
2355-31-9	N-MeFOSAA		0.61	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)		0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)		0.55	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)		0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC		0.82	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)		0.71	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)		0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/		0.77	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
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Acq. Time	4/13/2022 12:48 PM	Data File	B305410-BLK1.d
Sample Type	Sample	Sample Name	B305410-BLK1
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

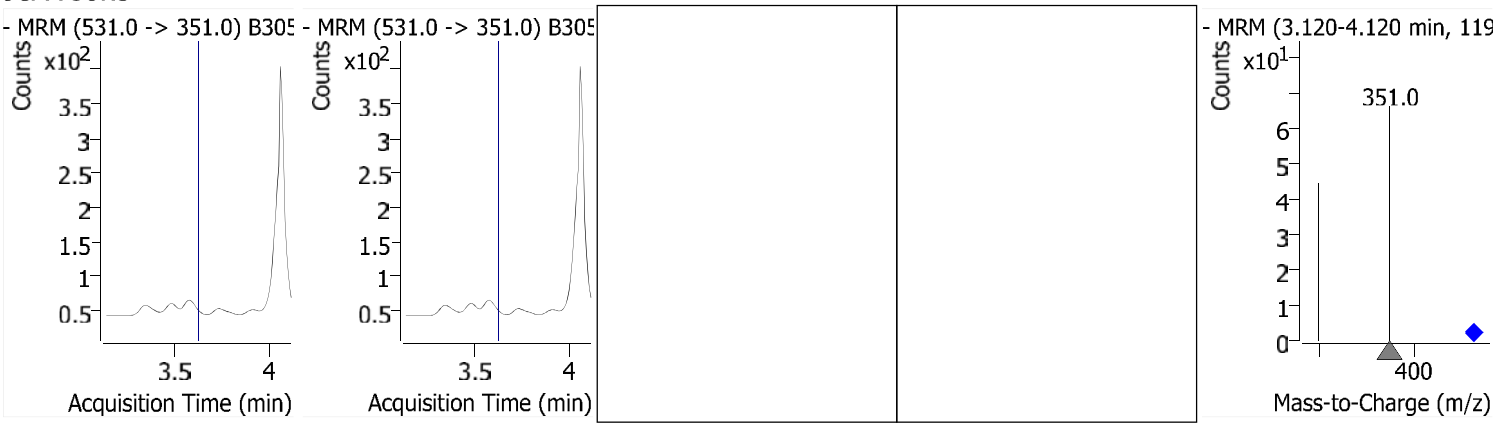


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS			PFOS C13	3.458	302184	ND	pg/ml			
9Cl-PF3ONS			PFOS C13	3.458	302184	ND	pg/ml			
ADONA			PFOA C13	3.162	802053	ND	pg/ml			
d5-N-EtFOSAA	3.831	718360	d3-N-MeFOSAA	3.741	772247	40184.3075	pg/ml			
HFPO-DA			PFOA C13	3.162	802053	ND	pg/ml			
N-EtFOSAA			d3-N-MeFOSAA	3.741	772247	ND	pg/ml			
N-MeFOSAA			d3-N-MeFOSAA	3.741	772247	ND	pg/ml			
PFBS			PFOS C13	3.458	302184	ND	pg/ml			
PFDA C13	3.653	722781	PFOA C13	3.162	802053	10453.0740	pg/ml			
PFDA	3.777	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22
PFDoA	4.059	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22
PFHpA			PFOA C13	3.162	802053	ND	pg/ml			
PFHxA C13	1.813	777357	PFOA C13	3.162	802053	10592.0676	pg/ml			
PFHxA			PFOA C13	3.162	802053	ND	pg/ml			
PFHxS			PFOS C13	3.458	302184	ND	pg/ml			
PFNA	3.779	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22
PFOA	3.395	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22
PFOS			PFOS C13	3.458	302184	ND	pg/ml			
M3HFPO-DA	2.040	76596	PFOA C13	3.162	802053	10261.8285	pg/ml			
PFTA	4.313	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22
PFTrDA	3.780	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22
PFUnA	4.094	0	PFOA C13	3.162	802053	ND	pg/ml	✔	1	DRL 04/14/22

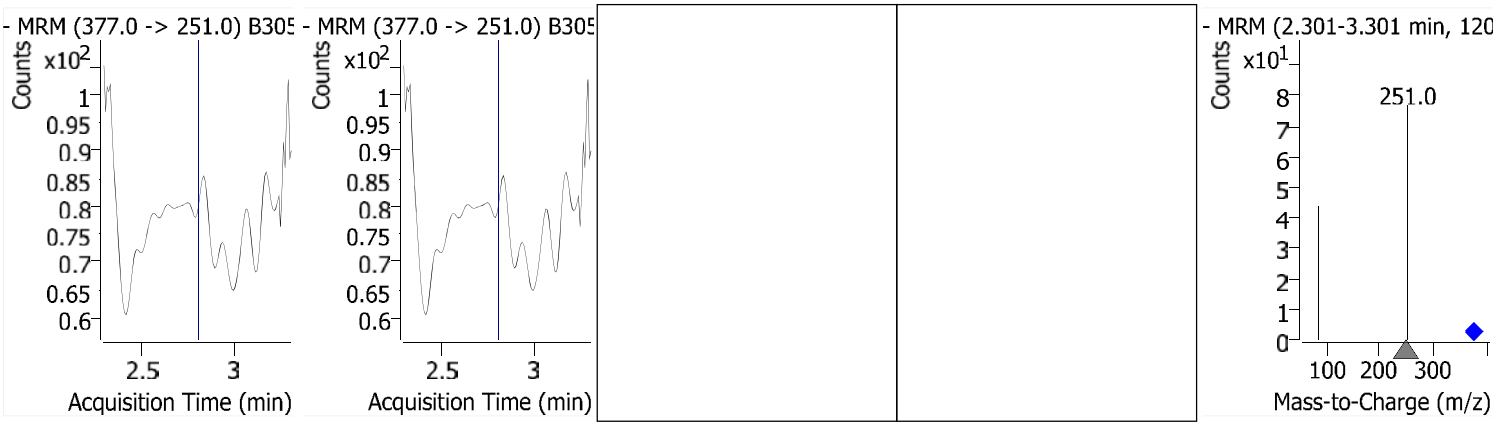
11Cl-PF3OUdS



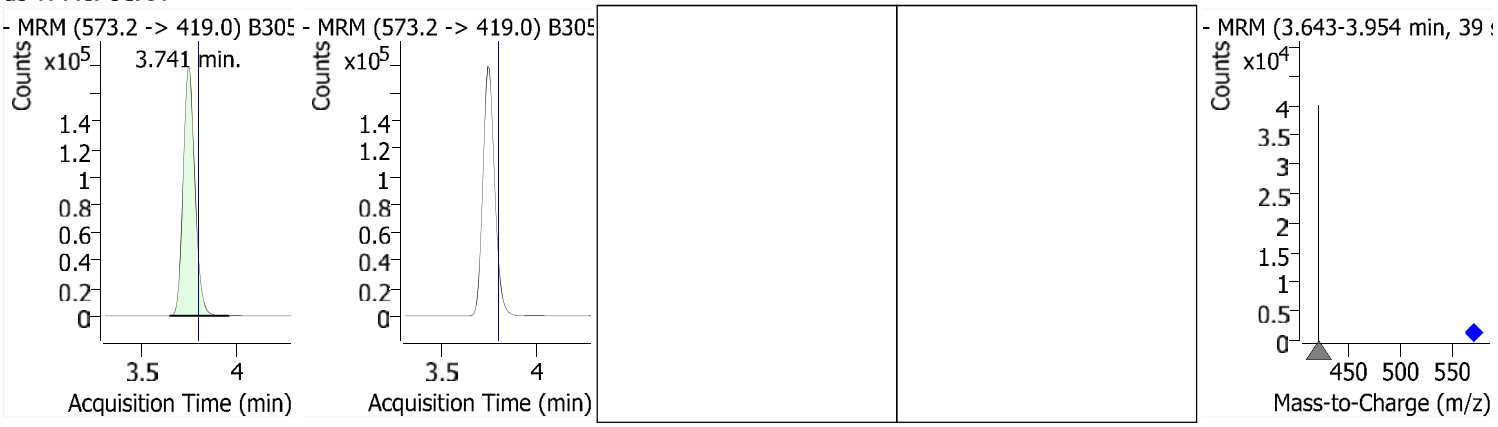
9Cl-PF3ONS



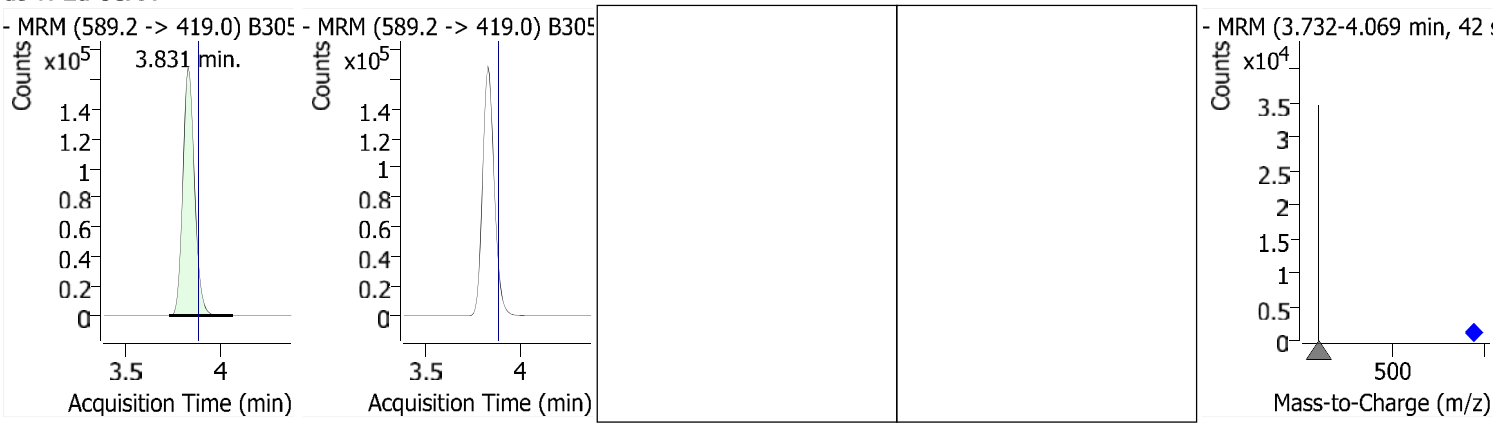
ADONA



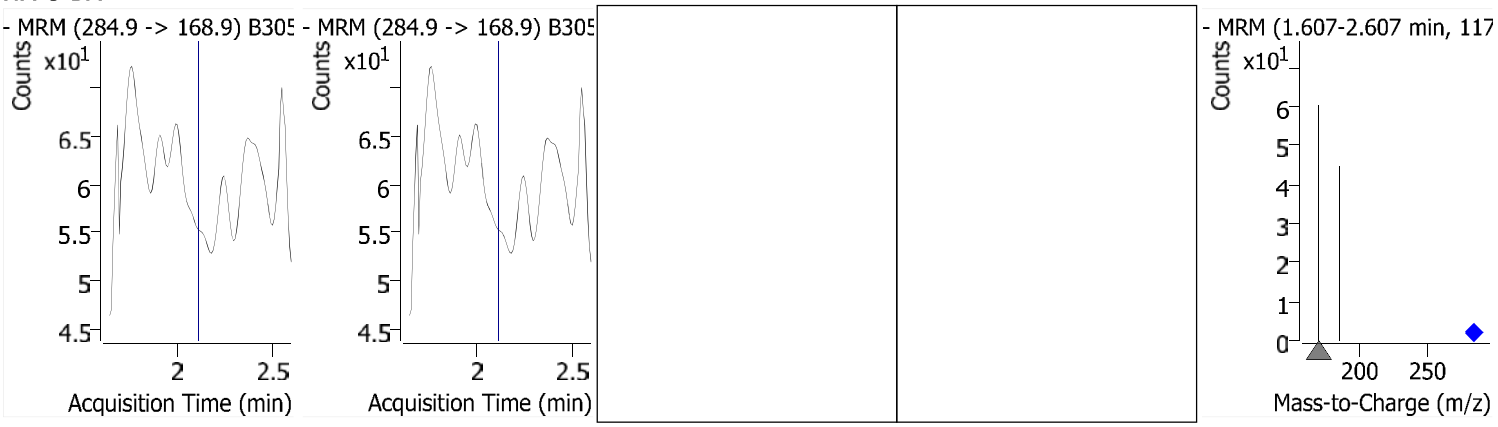
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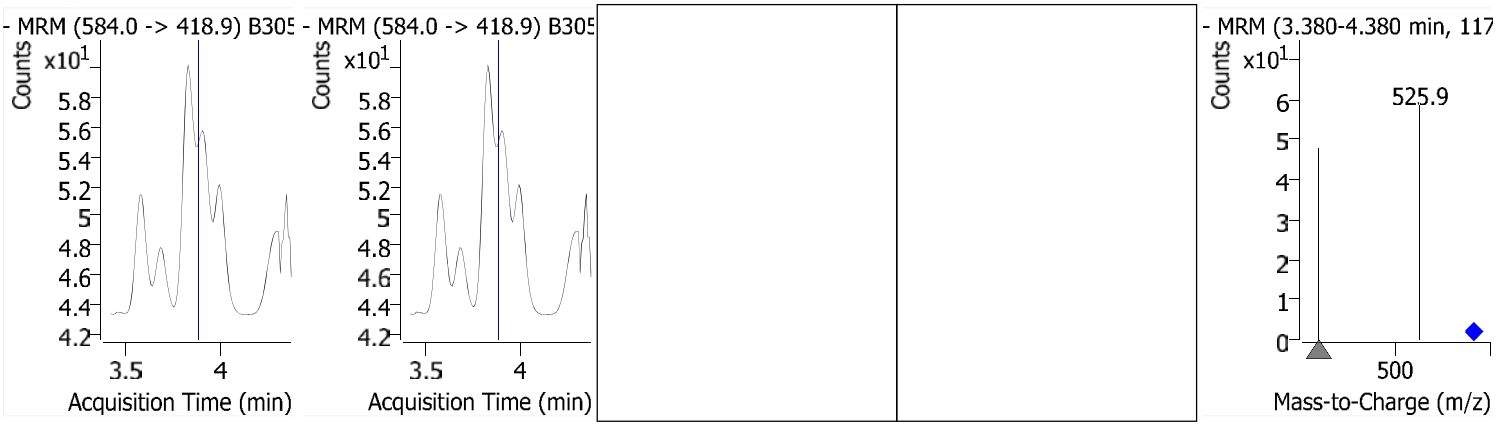
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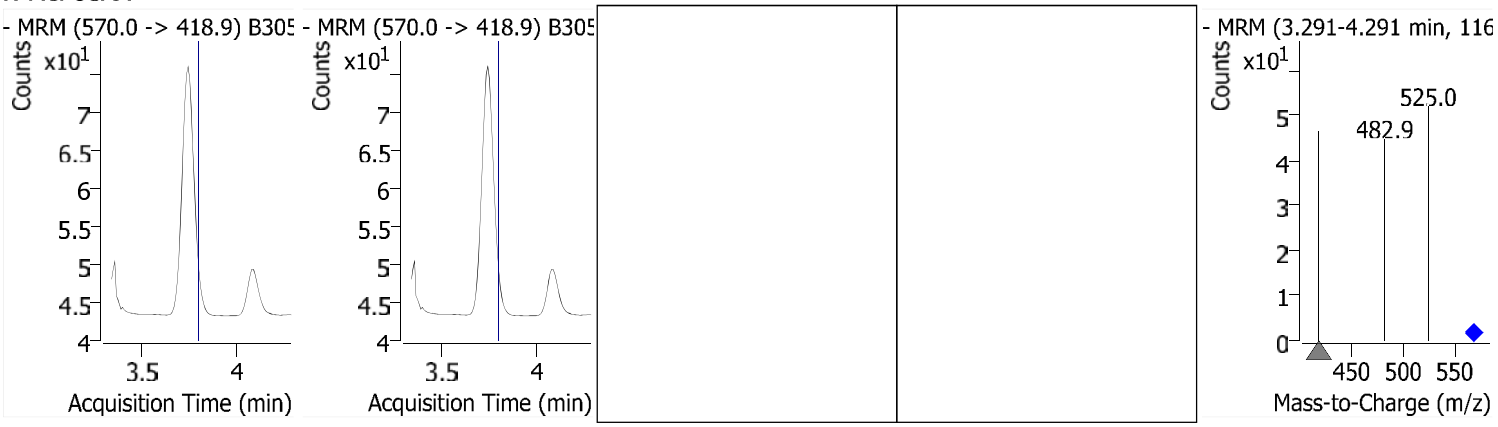
HFPO-DA



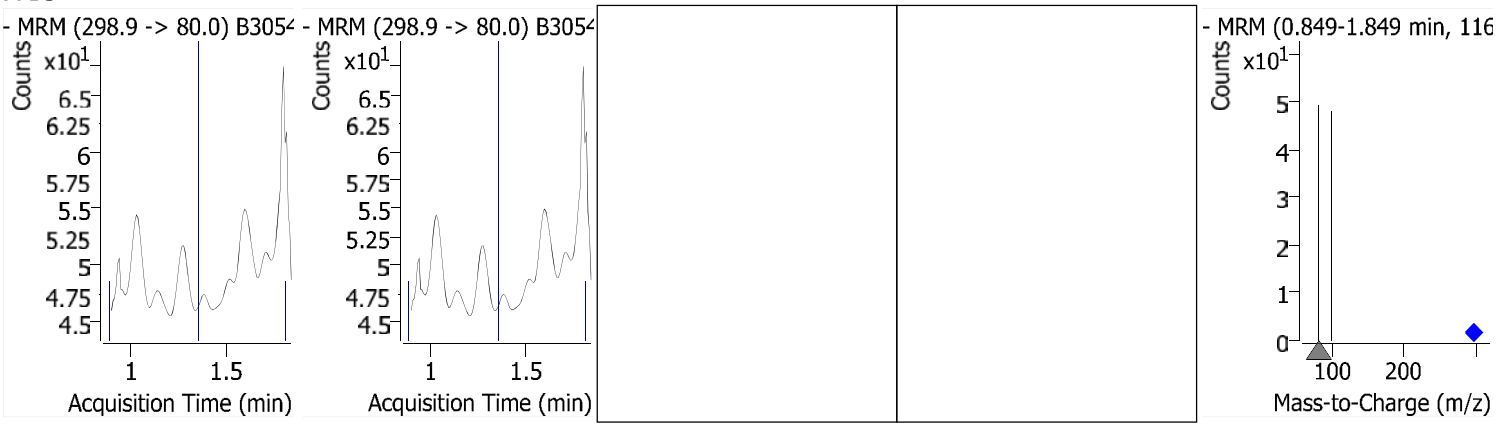
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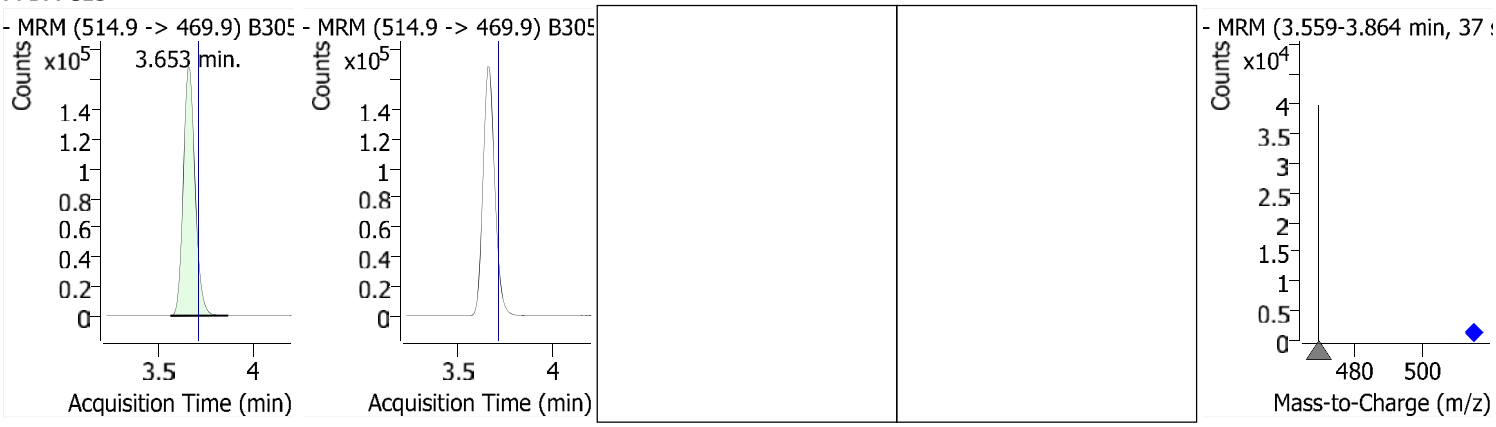
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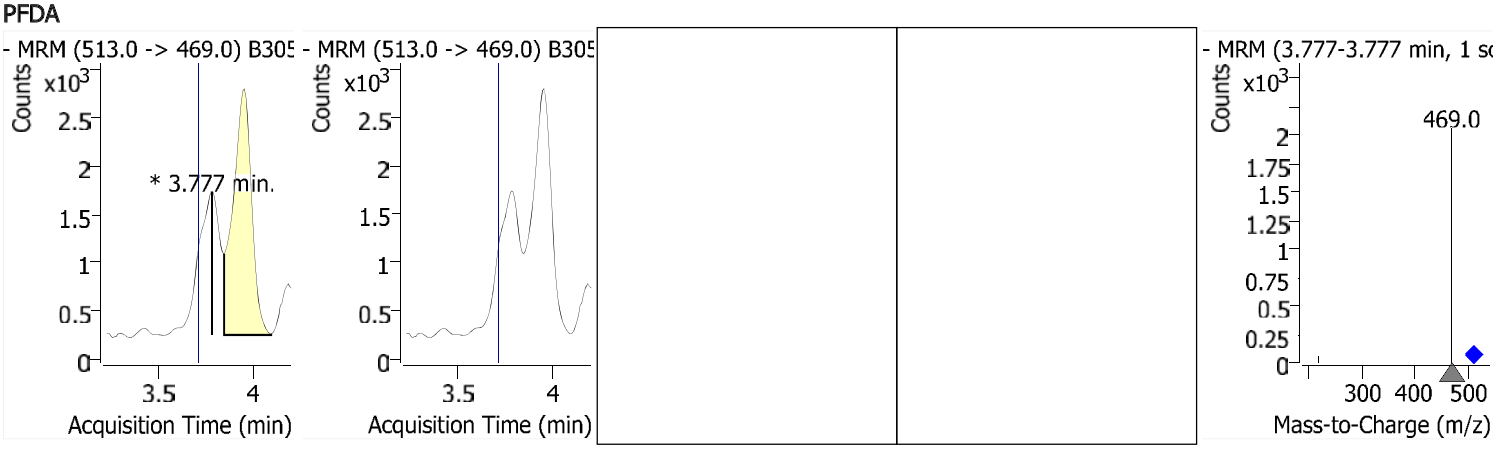
PFBS



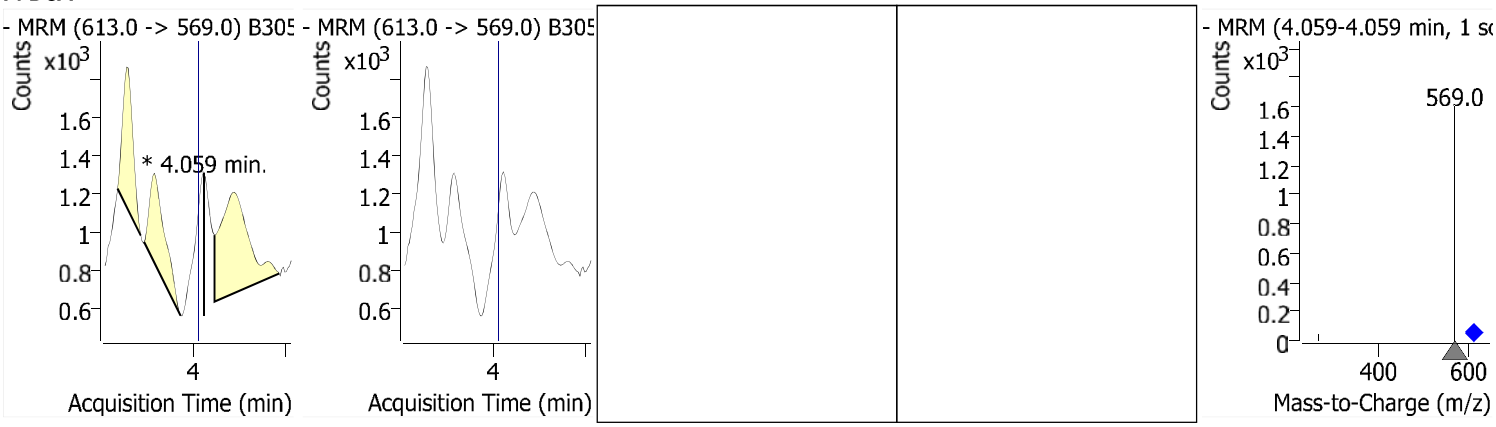
PFDA C13



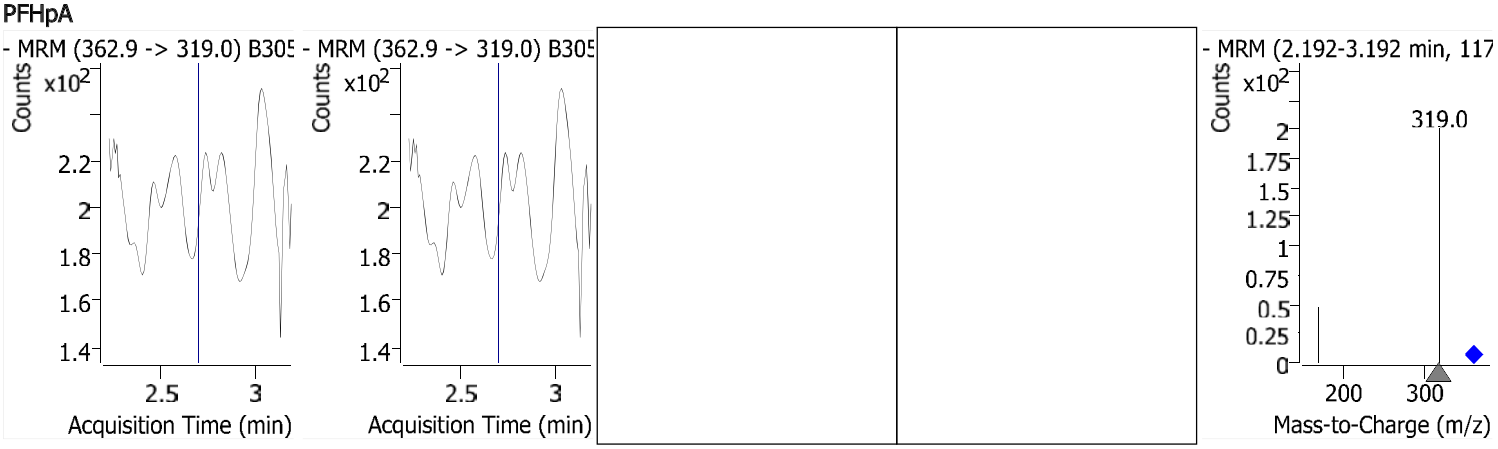
PFDA



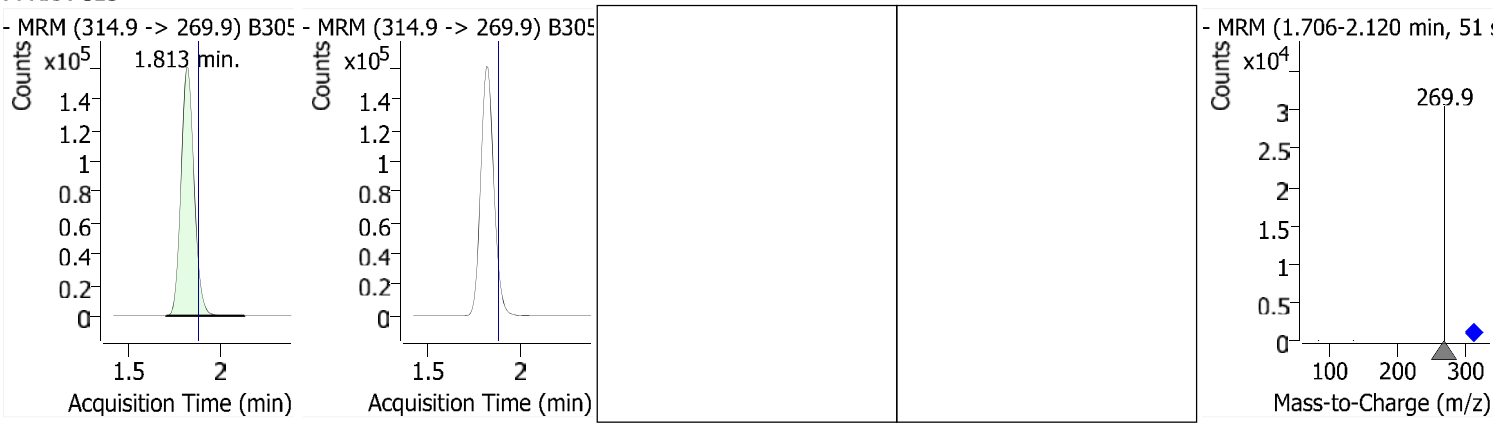
PFDoA



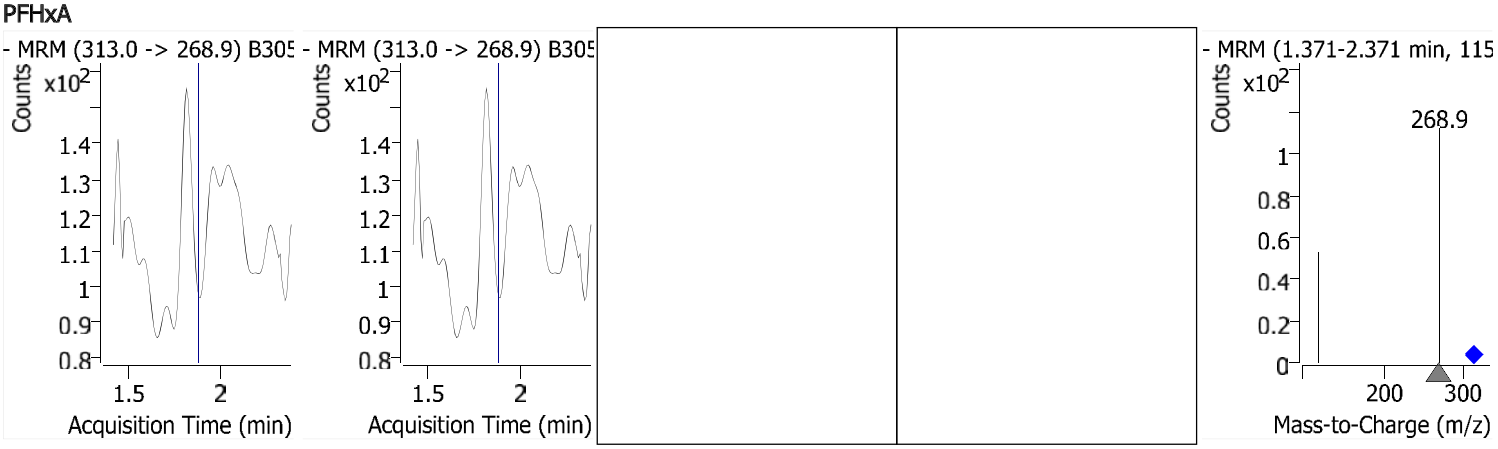
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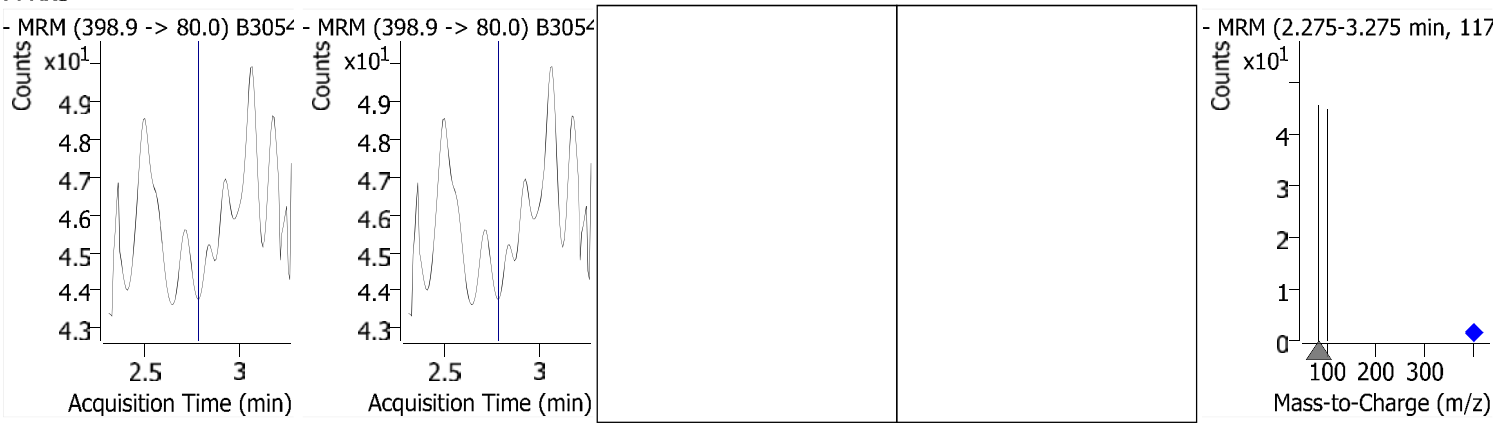
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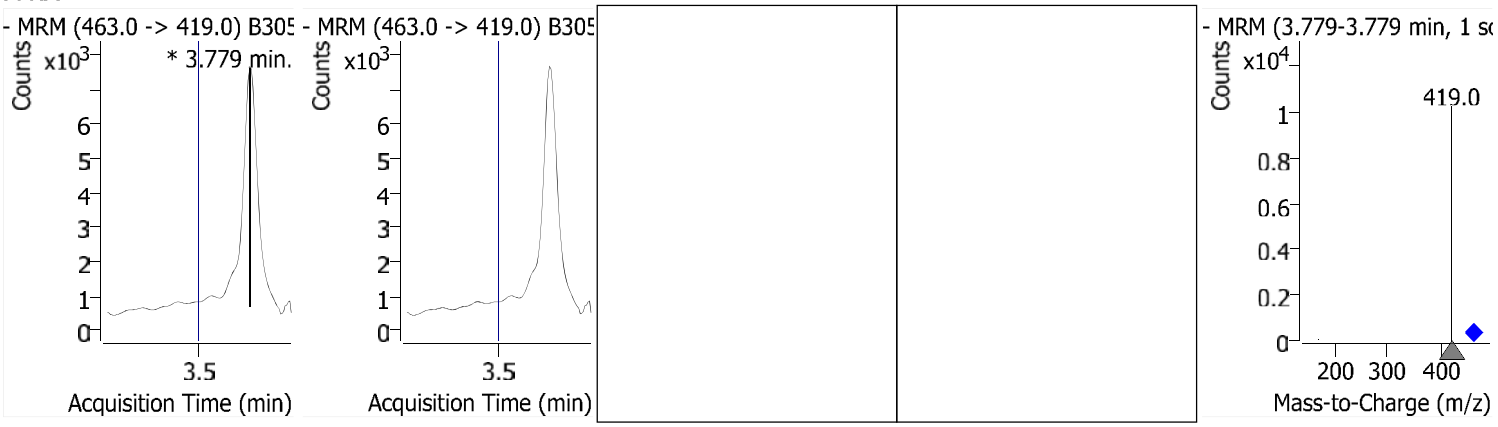
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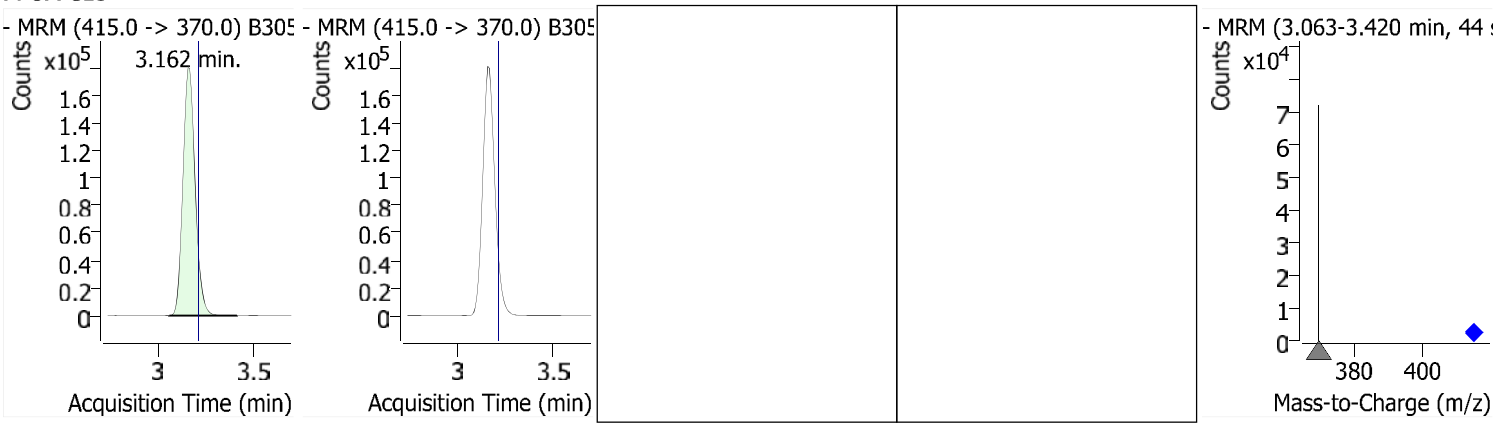
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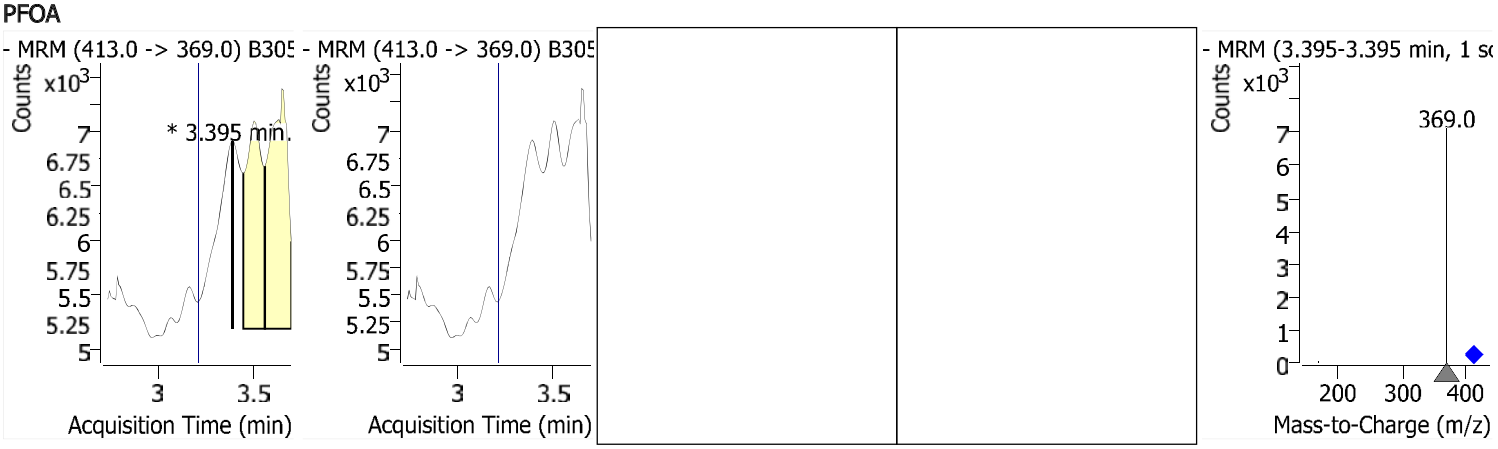
PFNA



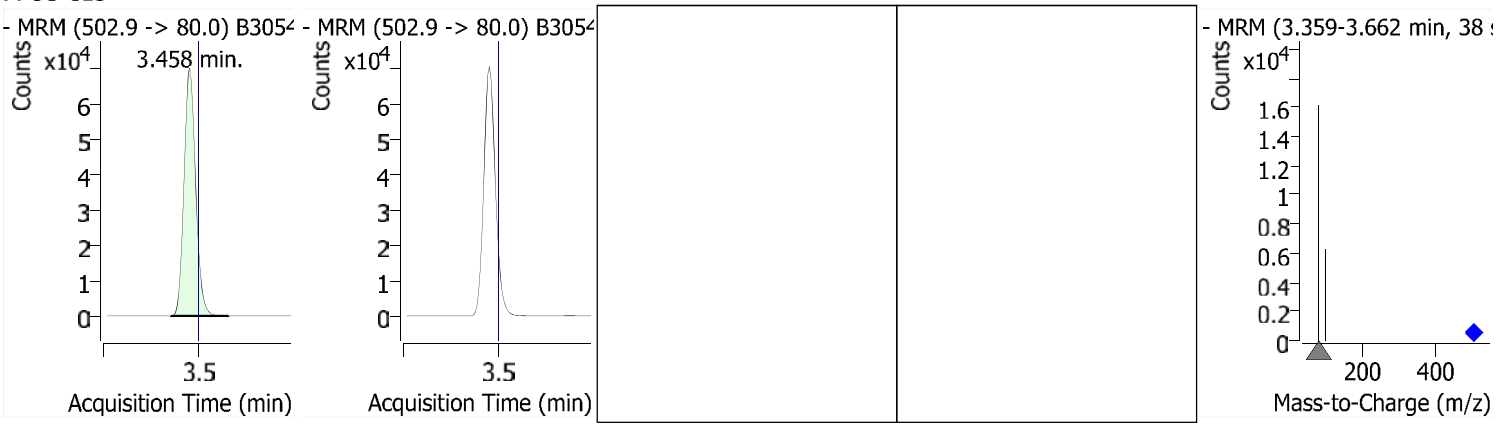
PFOA C13



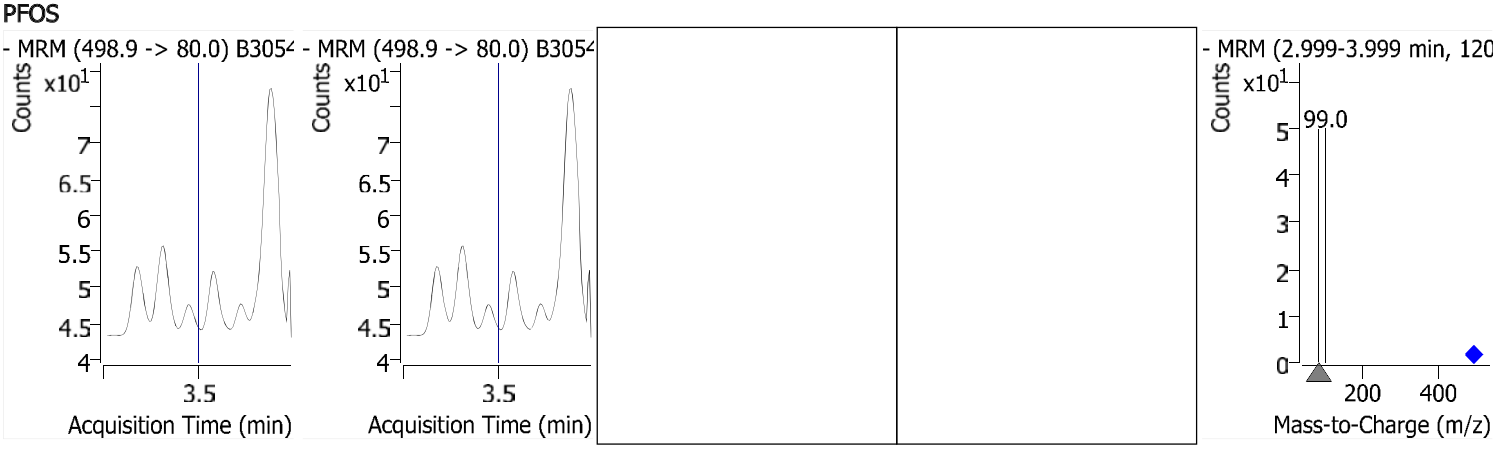
PFOA



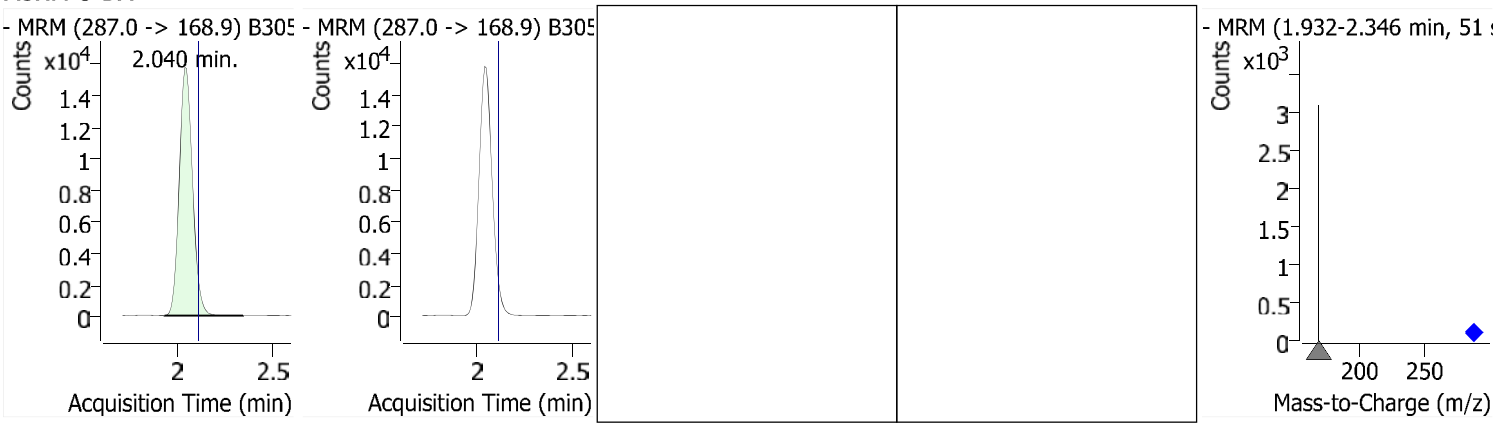
PFOS C13



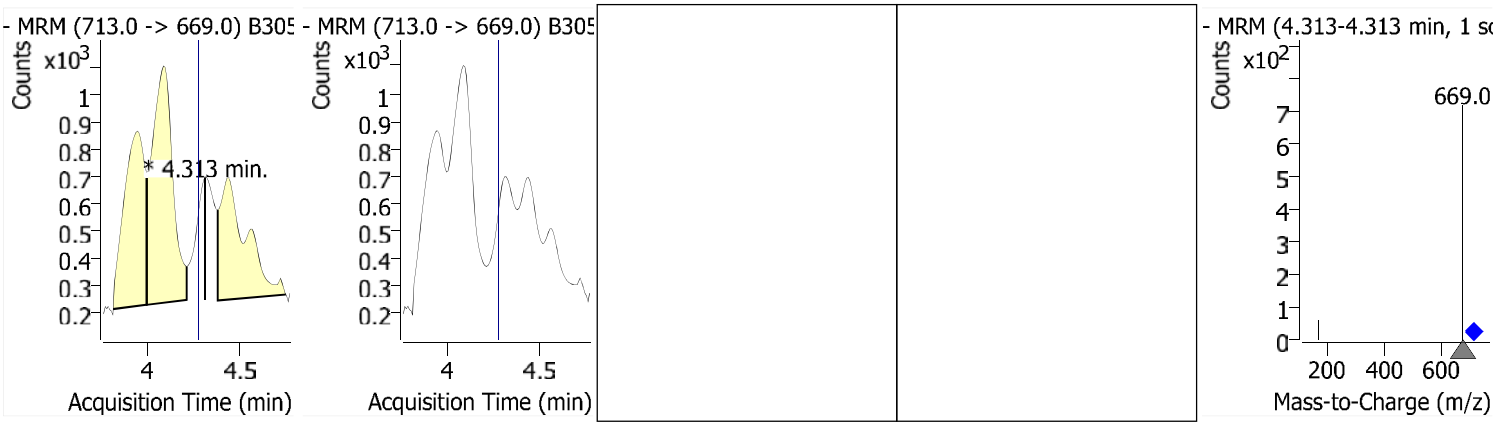
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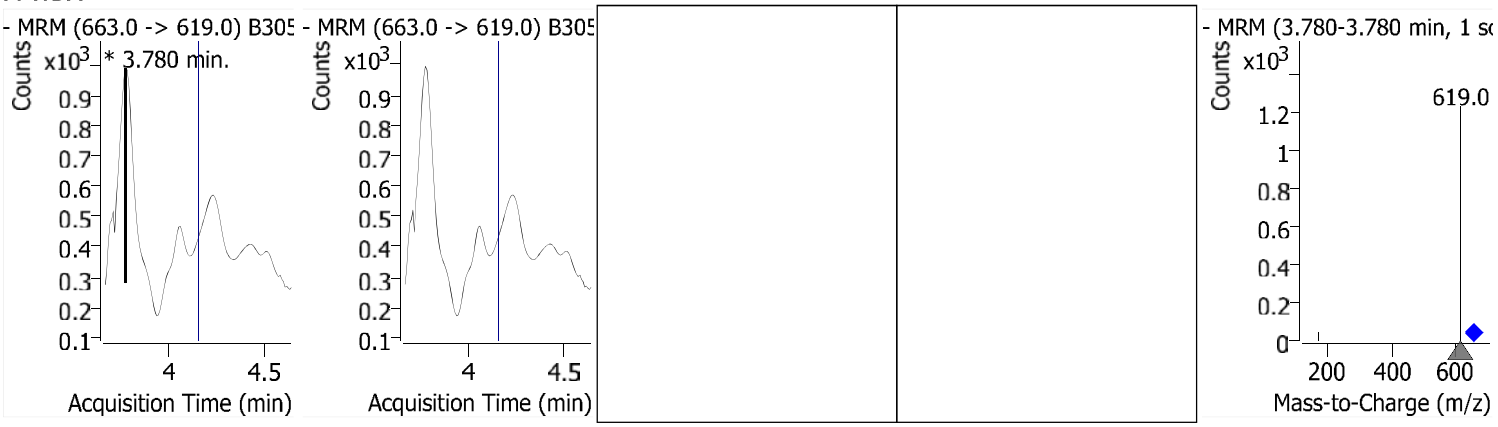
M3HFPO-DA



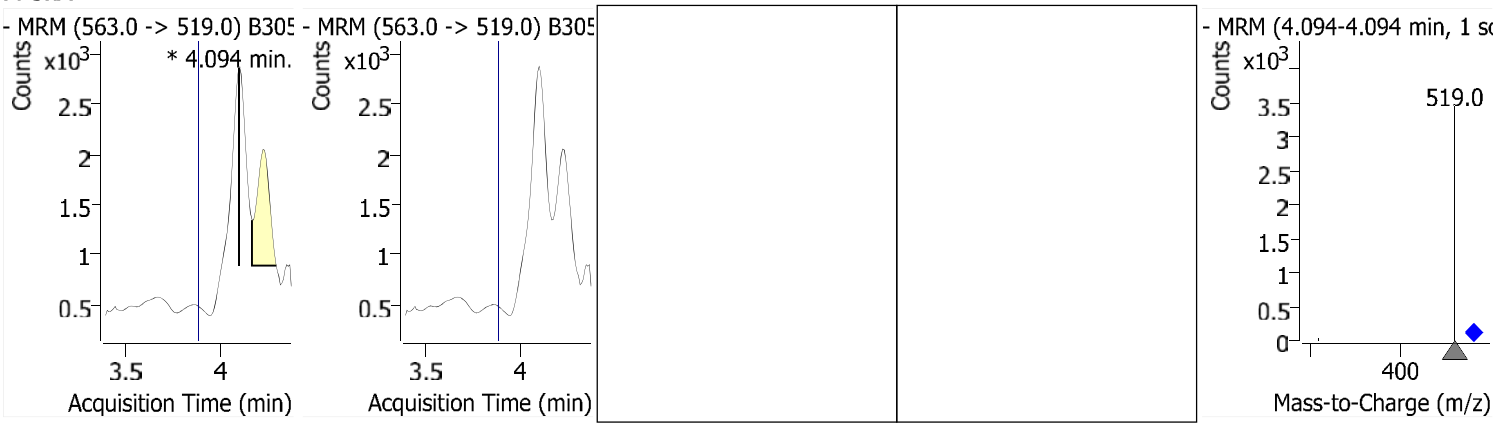
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) B305
* 4.094 min.
Counts
x10^3
Acquisition Time (min)
- MRM (563.0 -> 519.0) B305
Counts
x10^3
Acquisition Time (min)
- MRM (4.094-4.094 min, 1 sc
Counts
x10^3
519.0
Mass-to-Charge (m/z)

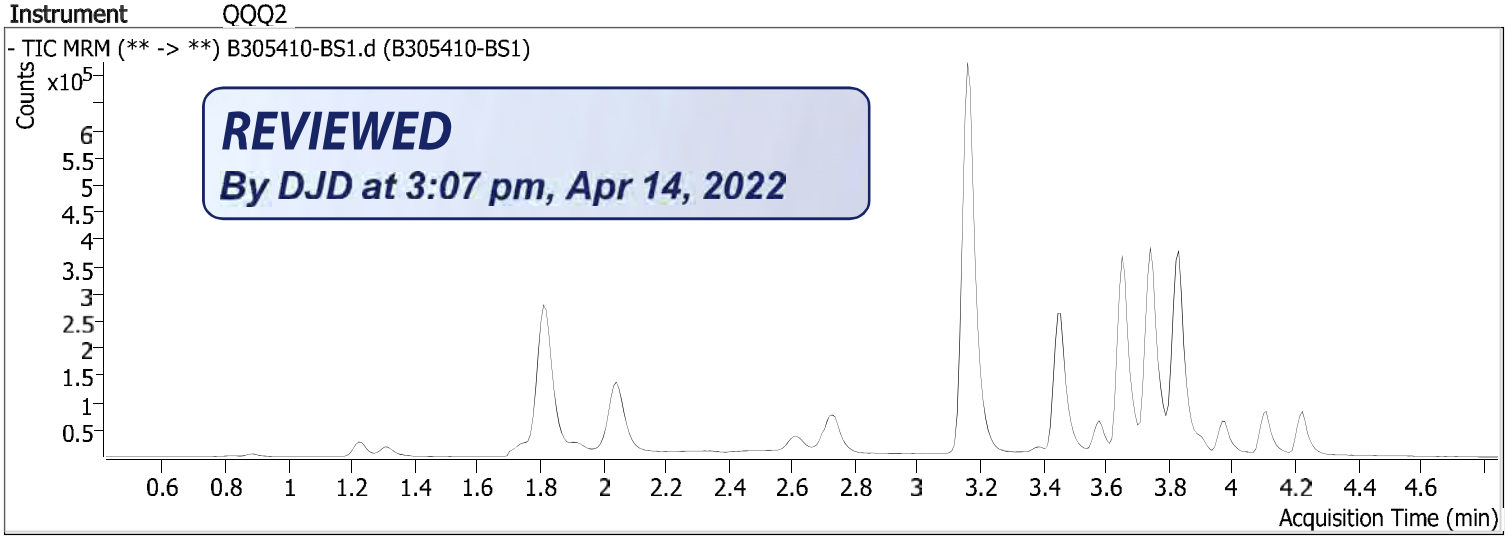
1 - FORM I
ANALYSIS DATA SHEET

LCS

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Drinking Water	Laboratory ID:	B305410-BS1	File ID:	B305410-BS1.d
Sampled:		Prepared:	04/11/22 09:55	Analyzed:	04/13/22 12:41
Solids:		Preparation:	EPA 537.1	Dilution:	
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				
Column:	1				

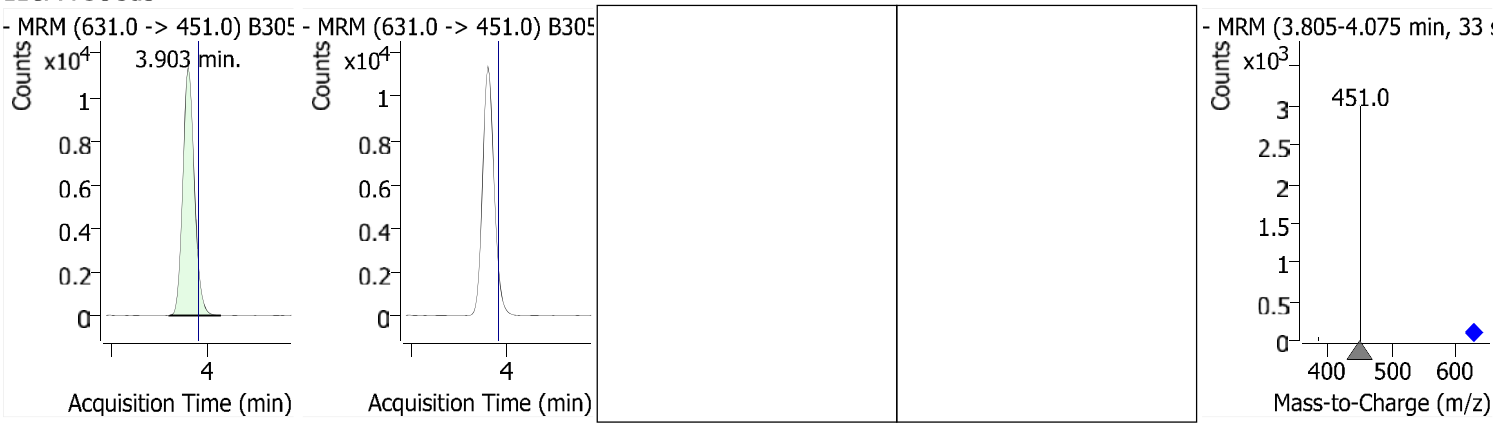
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	6.68	0.71	1.9	
307-24-4	Perfluorohexanoic acid (PFHxA)	7.67	0.82	1.9	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	7.04	0.60	1.9	
375-85-9	Perfluoroheptanoic acid (PFHpA)	7.85	0.63	1.9	
335-67-1	Perfluorooctanoic acid (PFOA)	8.10	0.87	1.9	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7.78	0.80	1.9	
375-95-1	Perfluorononanoic acid (PFNA)	9.04	0.82	1.9	
335-76-2	Perfluorodecanoic acid (PFDA)	6.87	0.68	1.9	
2991-50-6	N-EtFOSAA	7.22	0.65	1.9	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	7.51	0.63	1.9	
2355-31-9	N-MeFOSAA	7.40	0.60	1.9	
307-55-1	Perfluorododecanoic acid (PFDoA)	7.19	0.58	1.9	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	7.57	0.55	1.9	
376-06-7	Perfluorotetradecanoic acid (PFTA)	7.85	0.48	1.9	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC	7.58	0.82	1.9	
763051-92-9	11Cl-PF3OUdS (F53B Minor)	6.77	0.71	1.9	
756426-58-1	9Cl-PF3ONS (F53B Major)	7.05	0.85	1.9	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/	7.28	0.76	1.9	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
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Acq. Time	4/13/2022 12:41 PM	Data File	B305410-BS1.d
Sample Type	QC	Sample Name	B305410-BS1
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

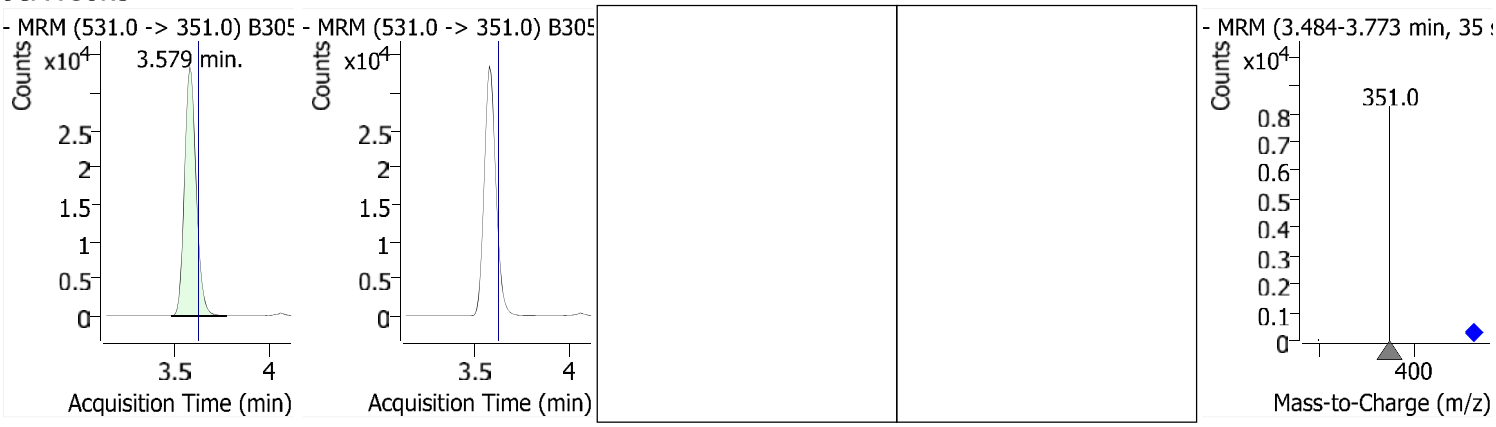


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	48073	PFOS C13	3.458	343998	1823.6139	pg/ml			
9Cl-PF3ONS	3.579	142077	PFOS C13	3.458	343998	1898.8894	pg/ml			
ADONA	2.733	246828	PFOA C13	3.162	911262	1961.0193	pg/ml			
d5-N-EtFOSAA	3.831	761878	d3-N-MeFOSAA	3.741	893839	36821.0788	pg/ml			
HFPO-DA	2.041	8710	PFOA C13	3.162	911262	2042.1191	pg/ml			
N-EtFOSAA	3.831	37482	d3-N-MeFOSAA	3.741	893839	1943.4805	pg/ml			
N-MeFOSAA	3.741	48946	d3-N-MeFOSAA	3.741	893839	1994.1712	pg/ml			
PFBS	1.316	39275	PFOS C13	3.458	343998	1800.0447	pg/ml			
PFDA C13	3.653	712297	PFOA C13	3.162	911262	9066.8914	pg/ml			
PFDA	3.653	137671	PFOA C13	3.162	911262	1850.4259	pg/ml	✔	3	DRL 04/14/22
PFDoA	3.977	143297	PFOA C13	3.162	911262	1935.7156	pg/ml			
PFHpA	2.617	82361	PFOA C13	3.162	911262	2113.5413	pg/ml			
PFHxA C13	1.813	796431	PFOA C13	3.162	911262	9551.4206	pg/ml			
PFHxA	1.814	132517	PFOA C13	3.162	911262	2066.1633	pg/ml			
PFHxS	2.708	27762	PFOS C13	3.458	343998	1897.1934	pg/ml			
PFNA	3.451	176906	PFOA C13	3.162	911262	2433.4748	pg/ml			
PFOA	3.163	201925	PFOA C13	3.162	911262	2181.0537	pg/ml			
PFOS	3.459	25315	PFOS C13	3.458	343998	2096.5085	pg/ml			
M3HFPO-DA	2.040	76919	PFOA C13	3.162	911262	9070.0253	pg/ml			
PFTA	4.222	195448	PFOA C13	3.162	911262	2114.3476	pg/ml			
PFTrDA	4.107	195559	PFOA C13	3.162	911262	2037.9061	pg/ml			
PFUnA	3.824	138256	PFOA C13	3.162	911262	2021.4391	pg/ml			

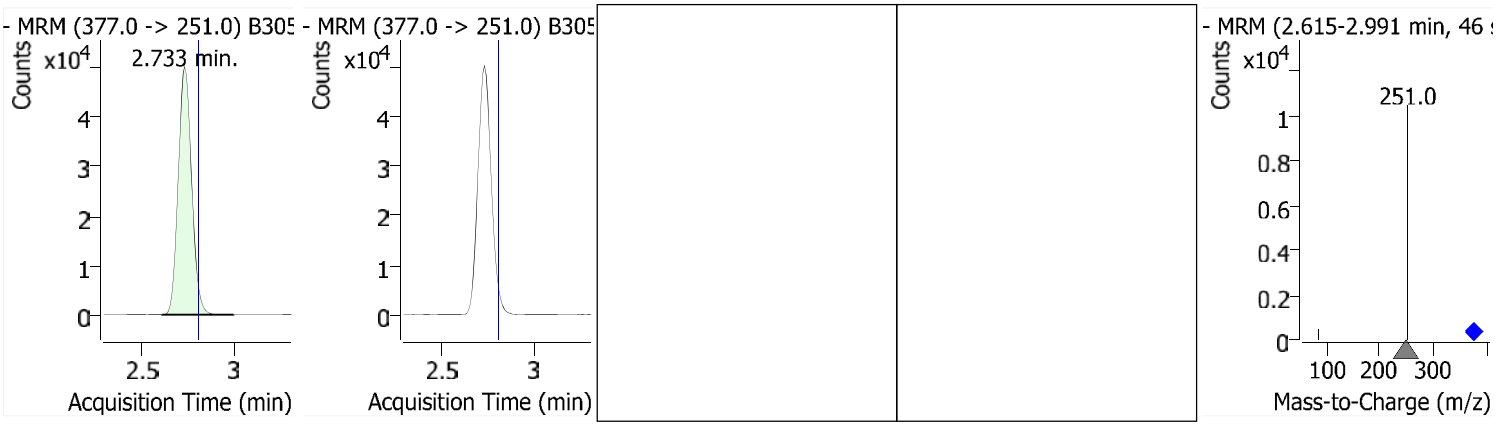
11Cl-PF3OUdS



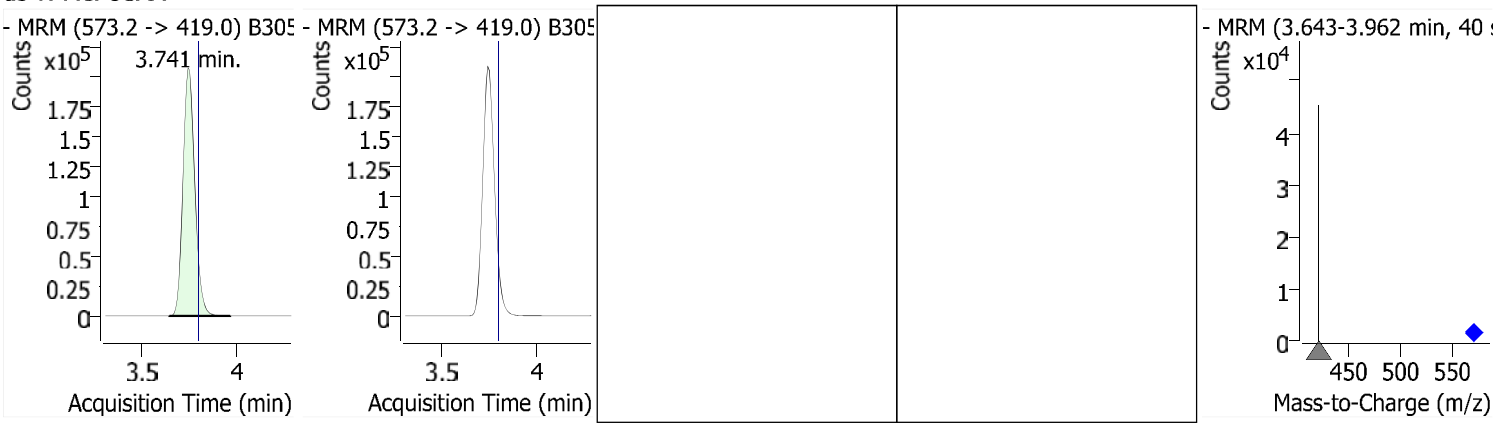
9Cl-PF3ONS



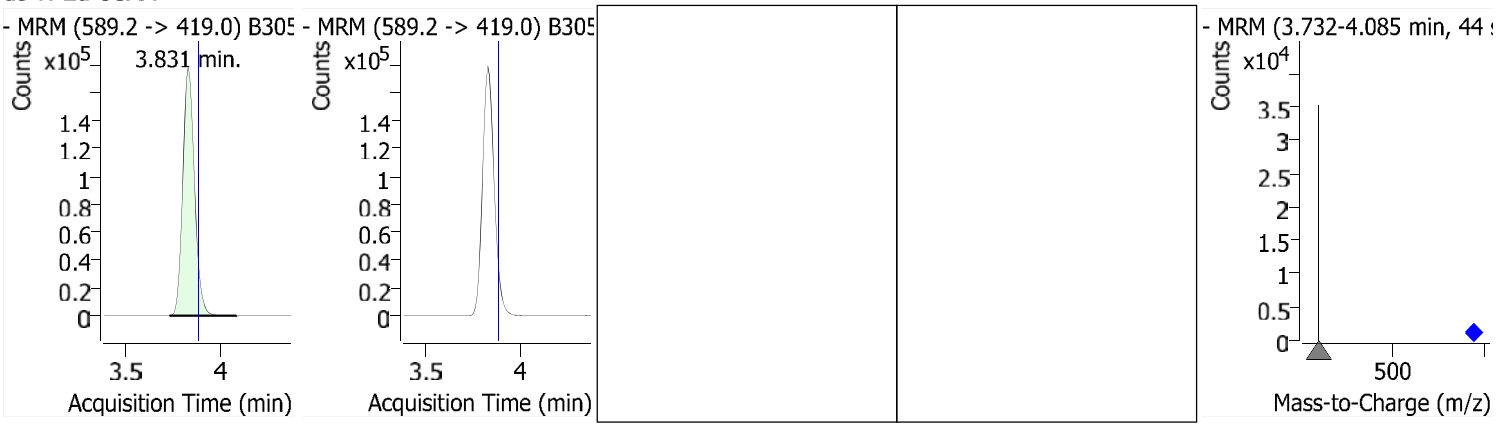
ADONA



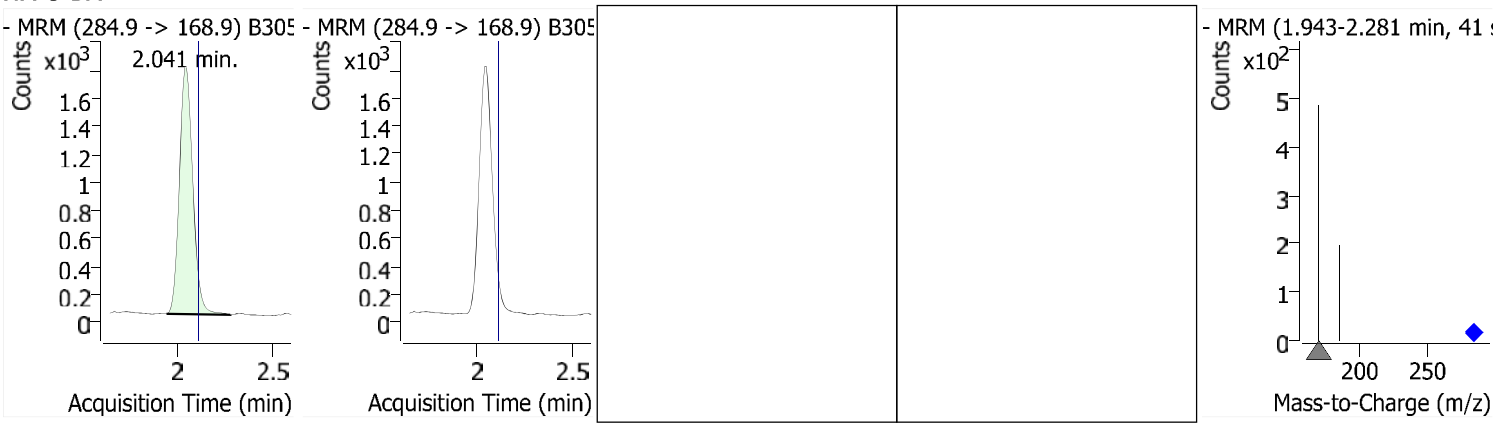
d3-N-MeFOSAA



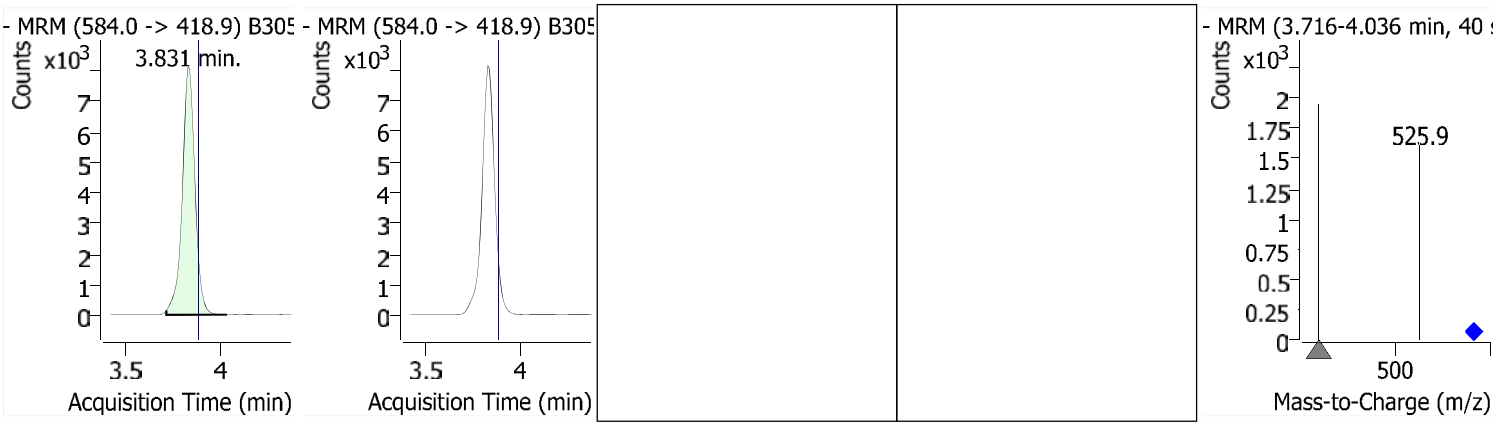
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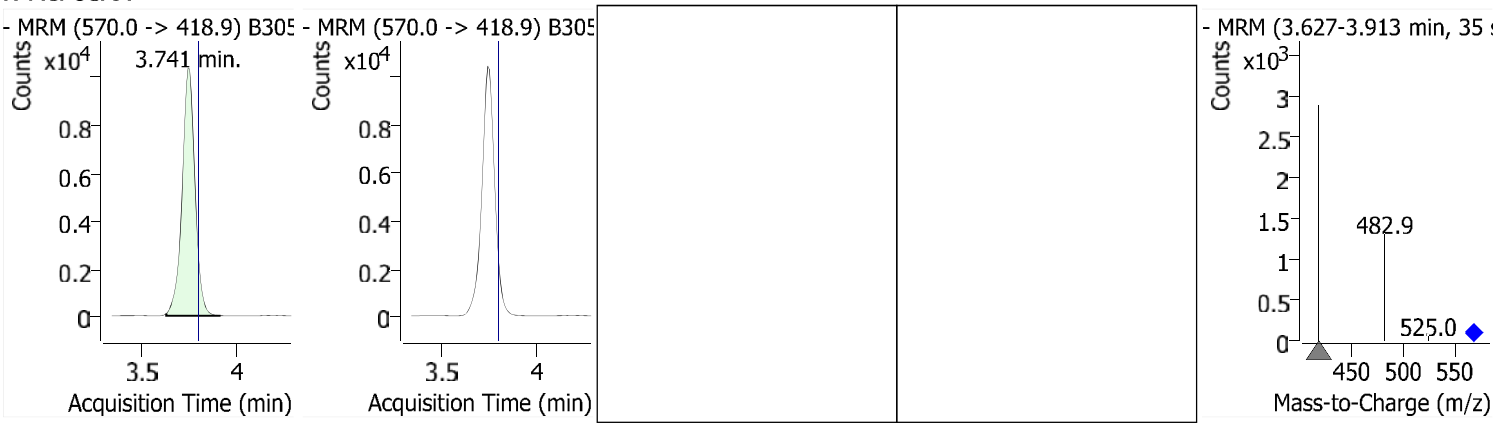
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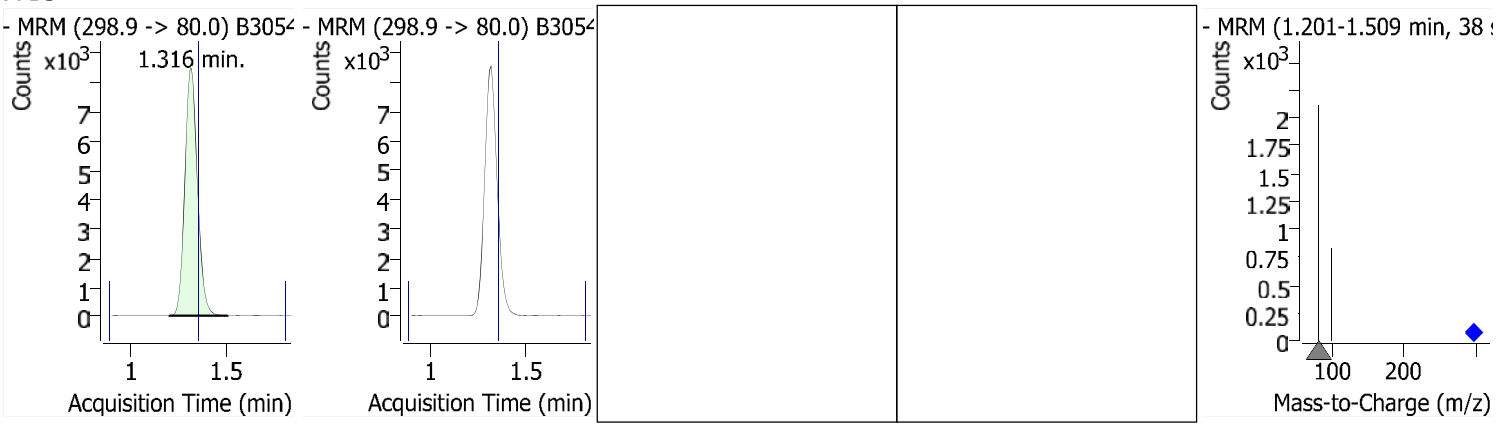
N-EtFOSAA



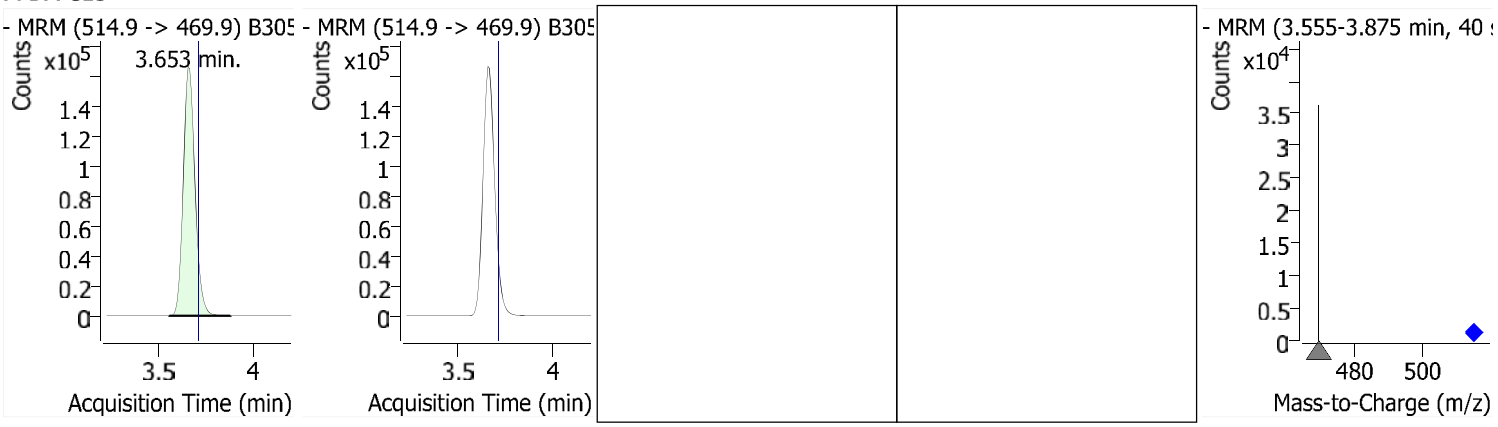
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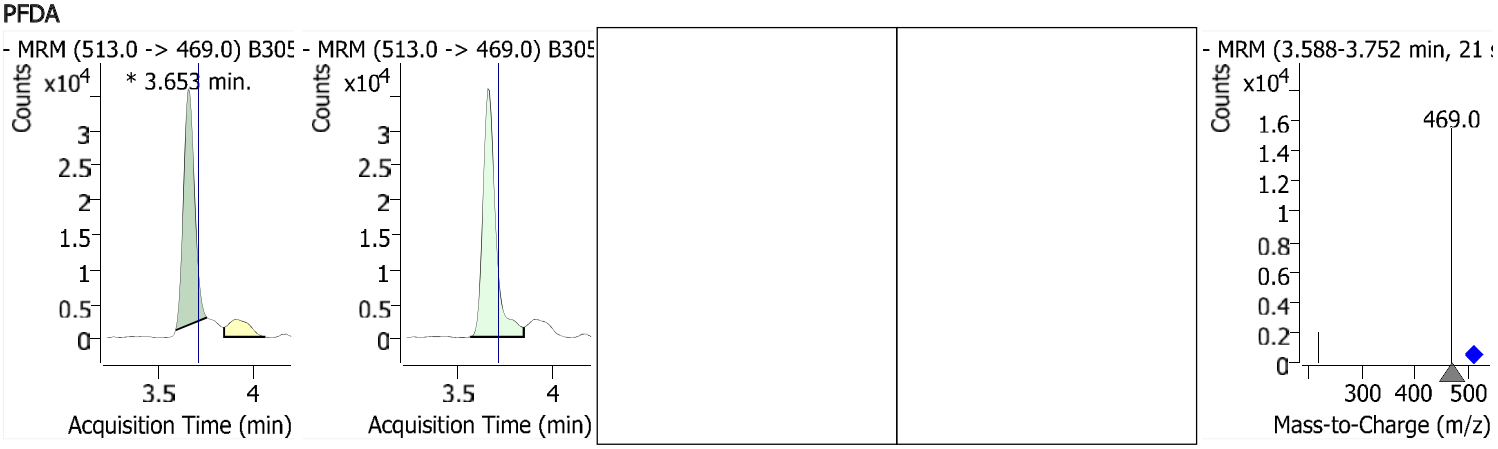
PFBS



PFDA C13



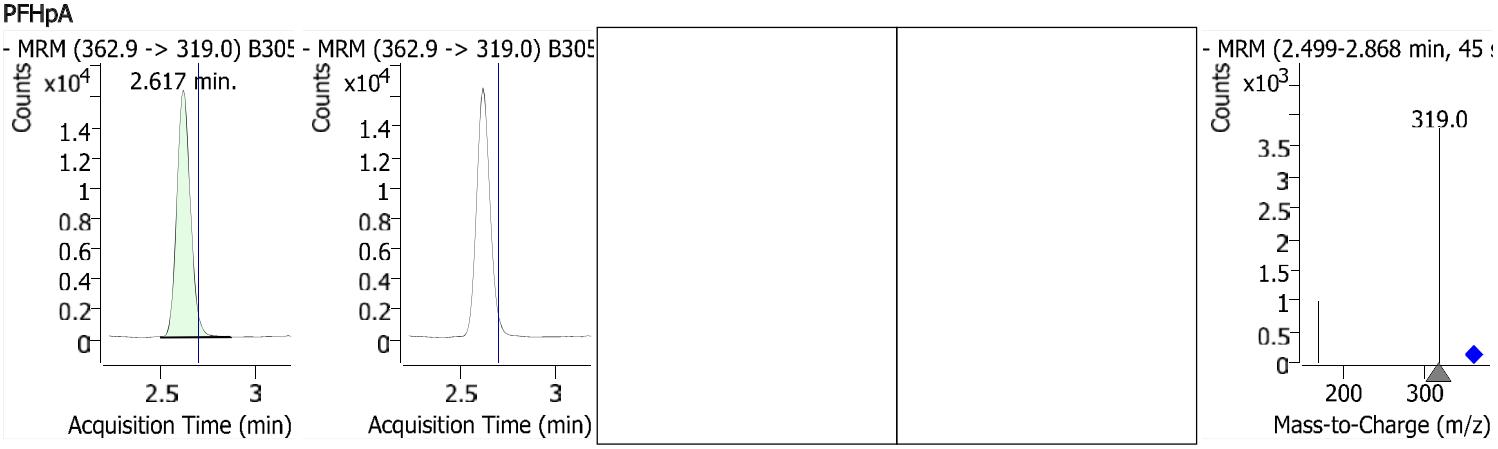
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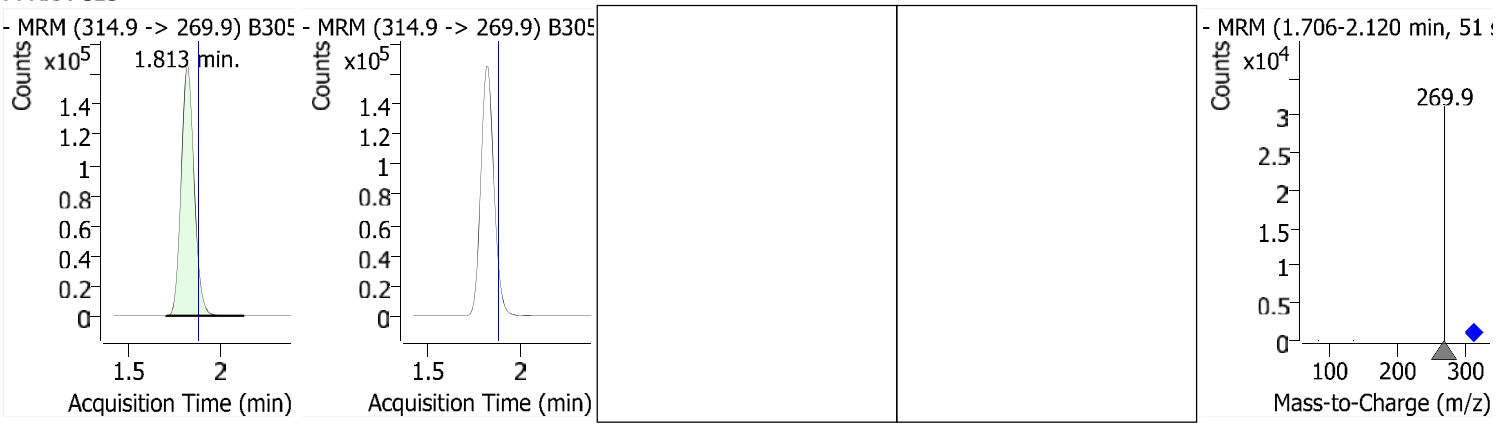
PFDoA



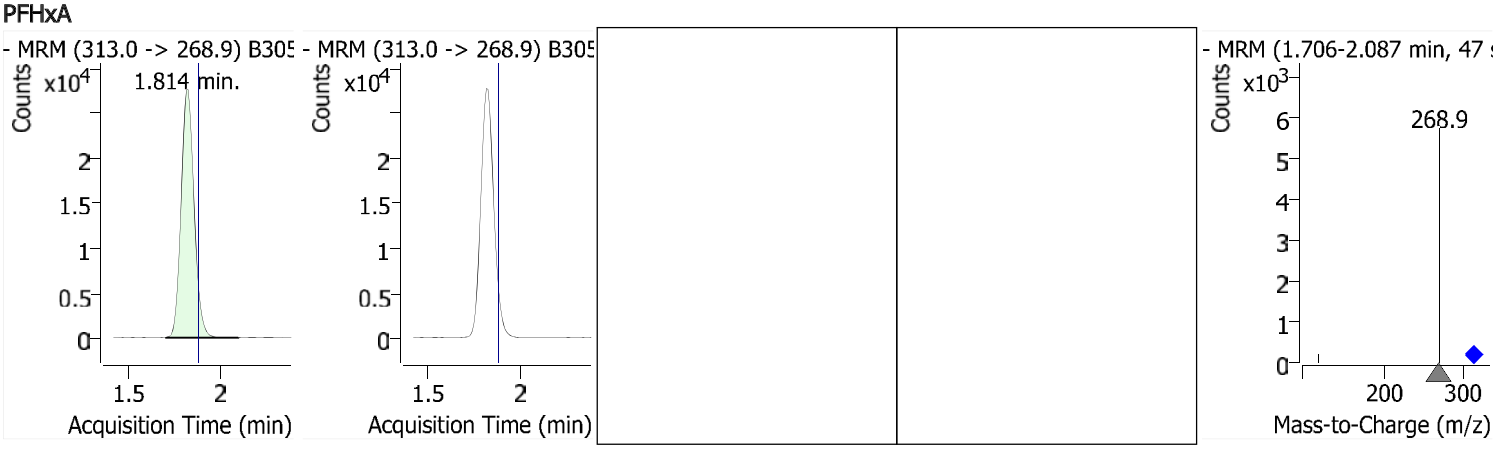
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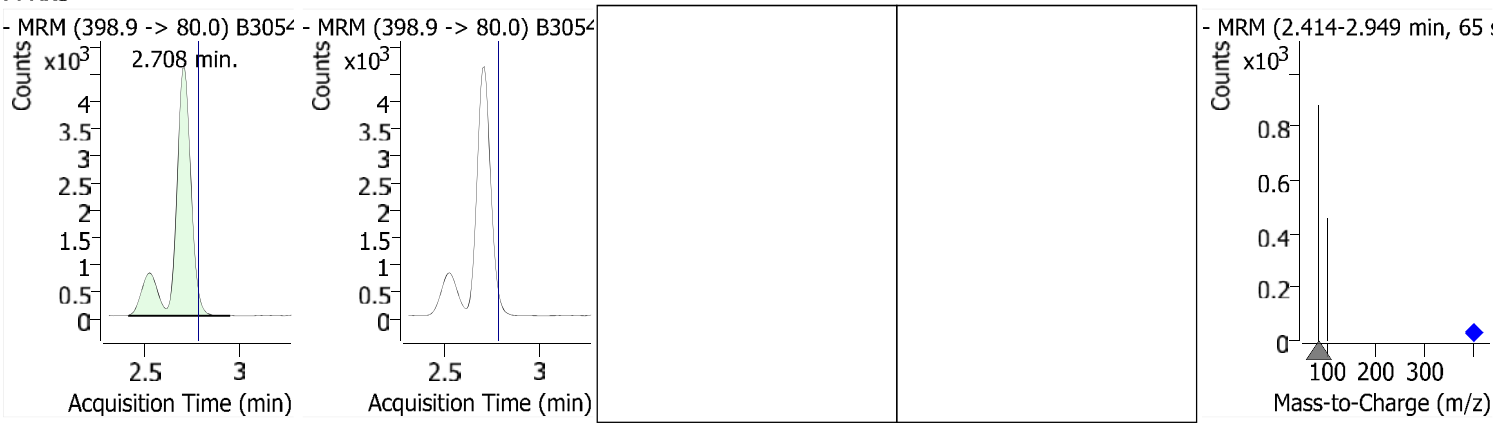
PFHxA C13



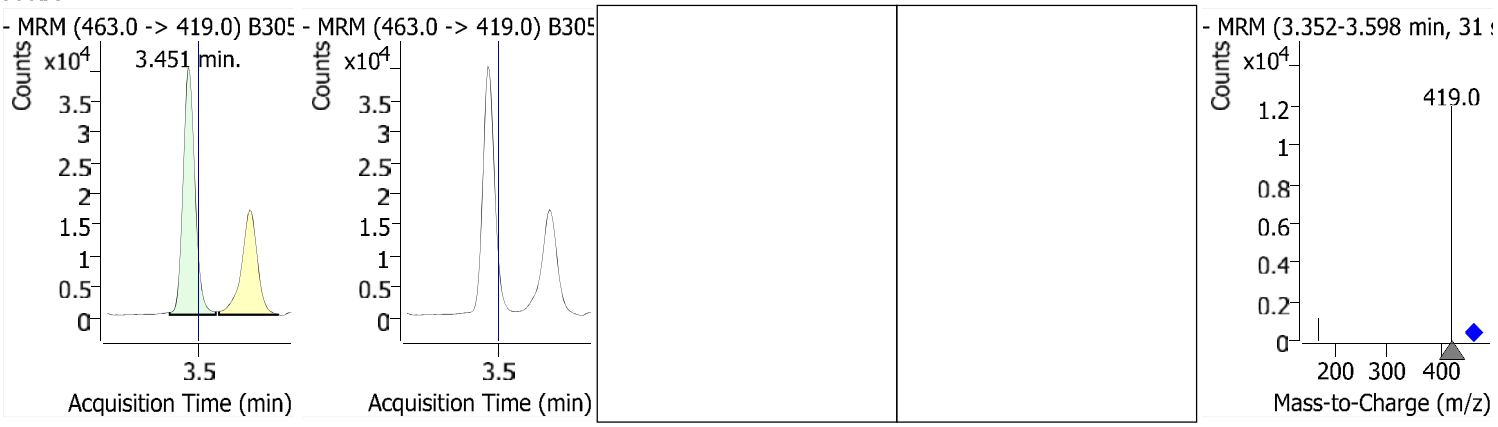
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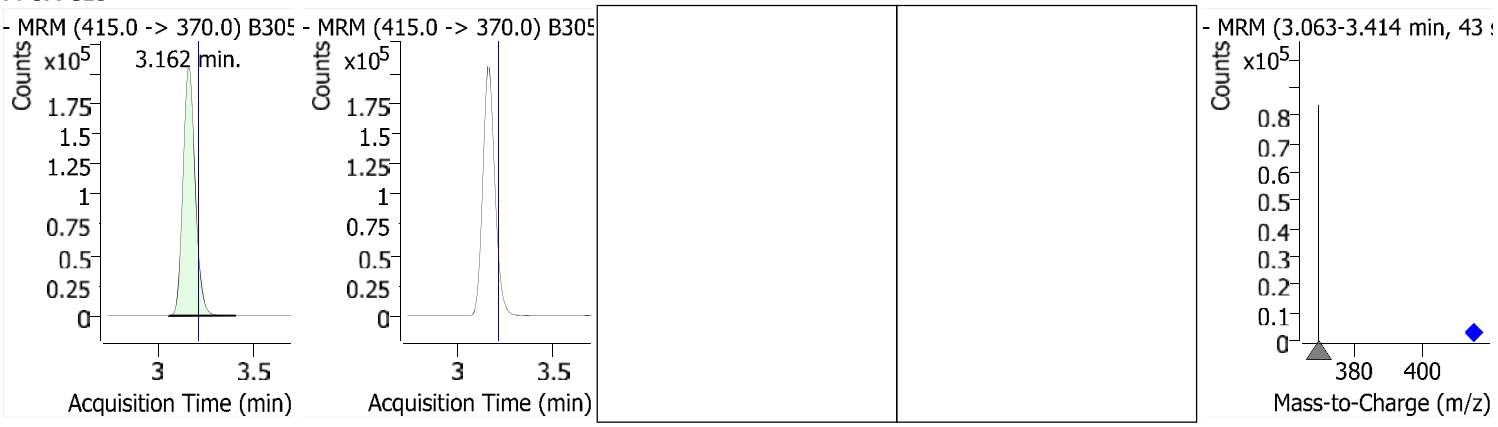
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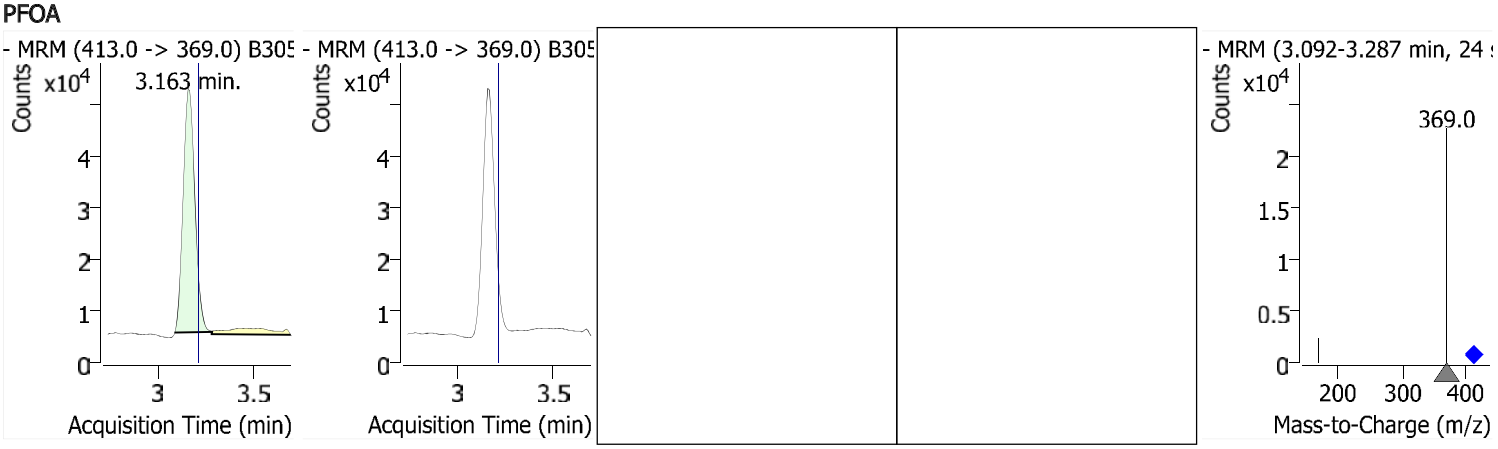
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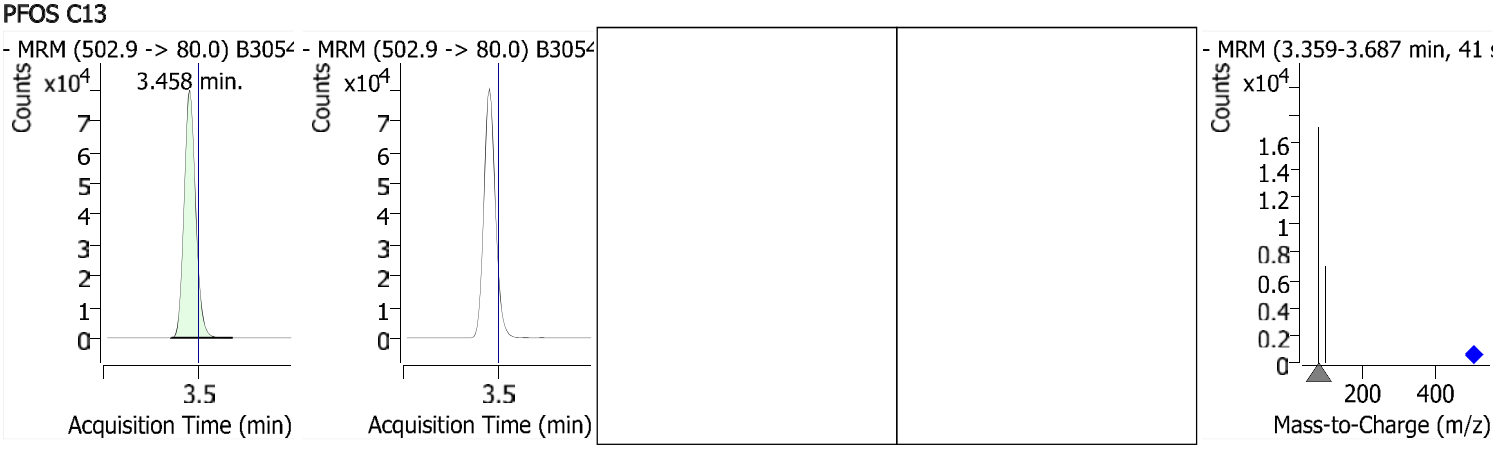
PFOA C13



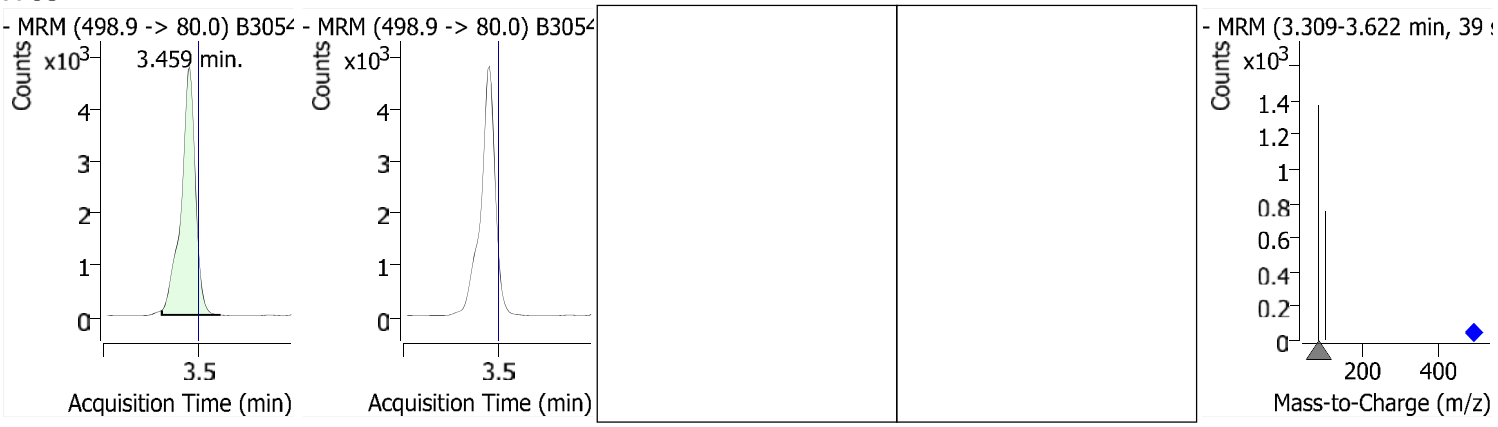
PFOA



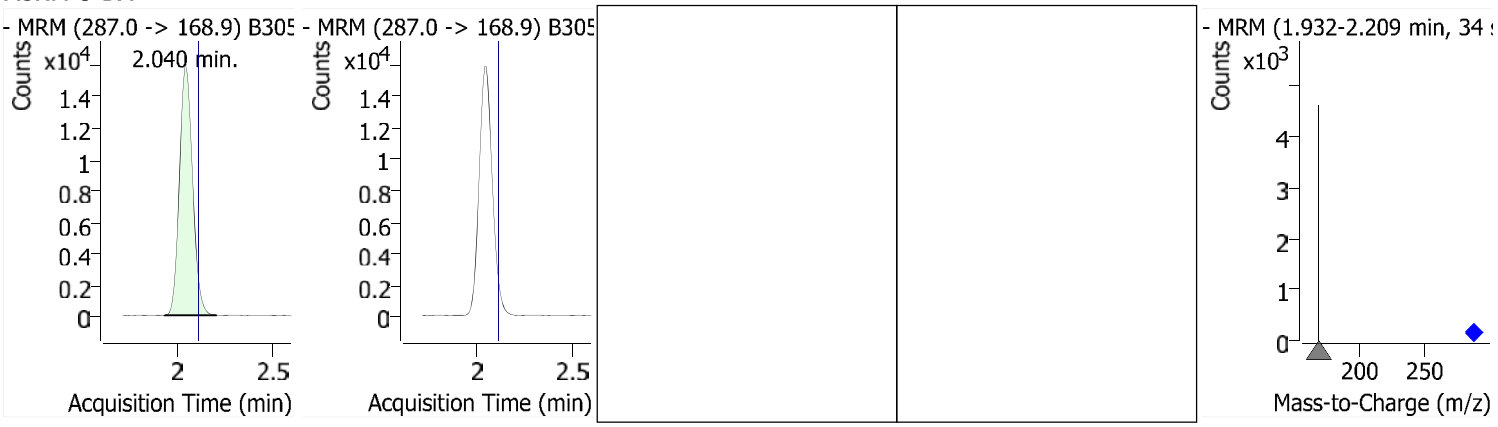
PFOS C13



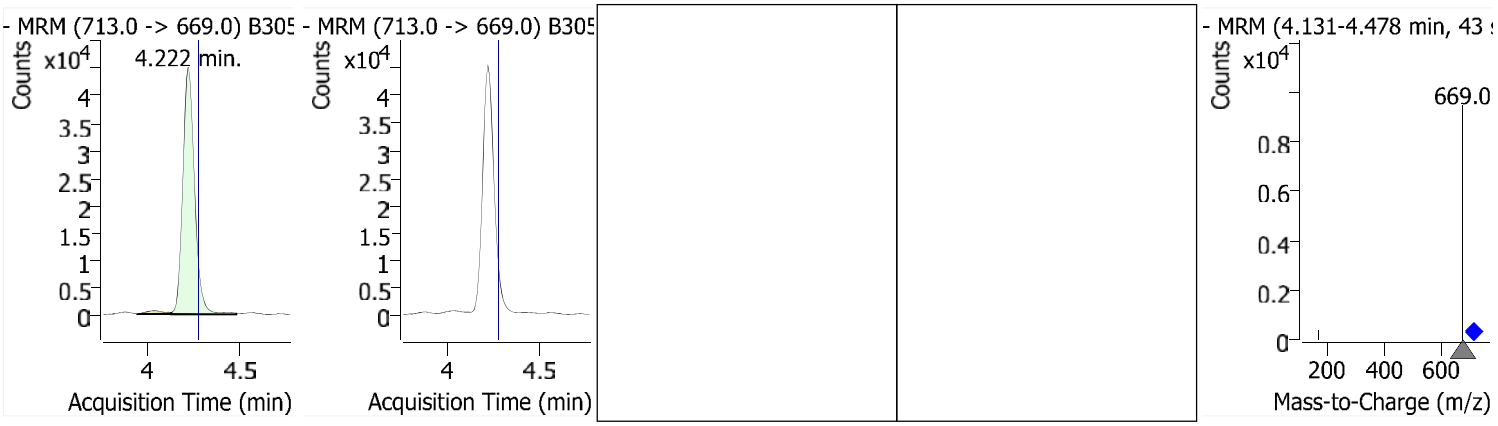
PFOS



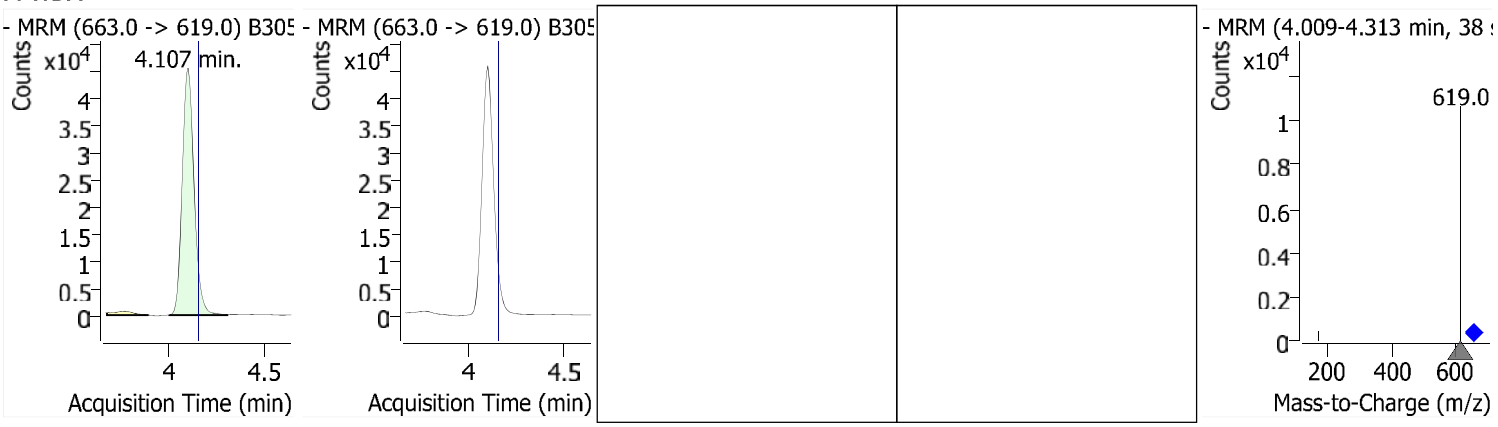
M3HFPO-DA



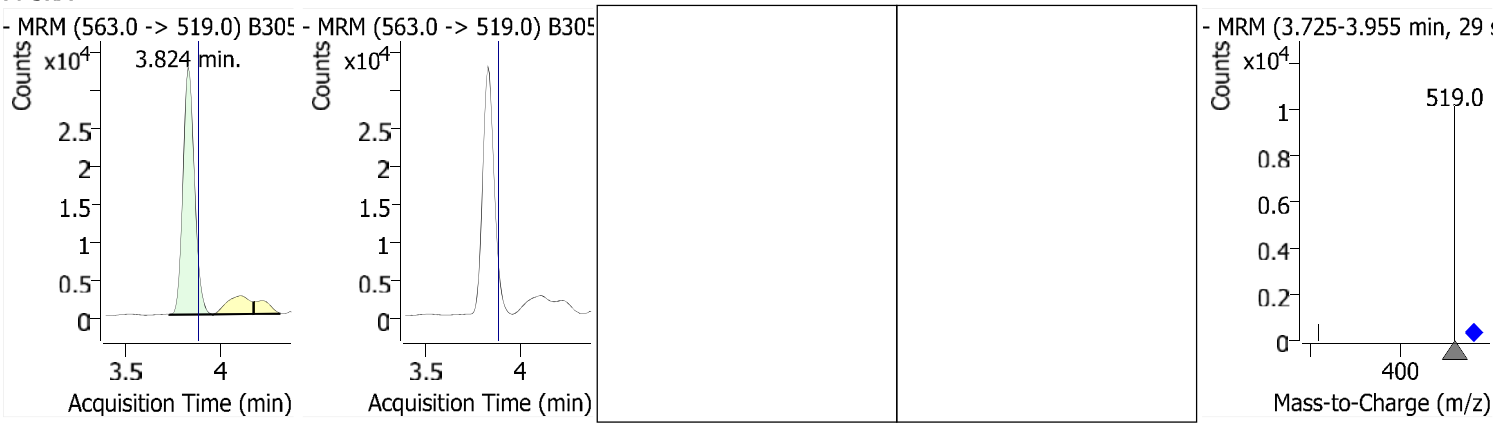
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) B305
Counts
x10^4
3.824 min.
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) B305
Counts
x10^4
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (3.725-3.955 min, 29
Counts
x10^4
519.0
1
0.8
0.6
0.4
0.2
0
400
Mass-to-Charge (m/z)

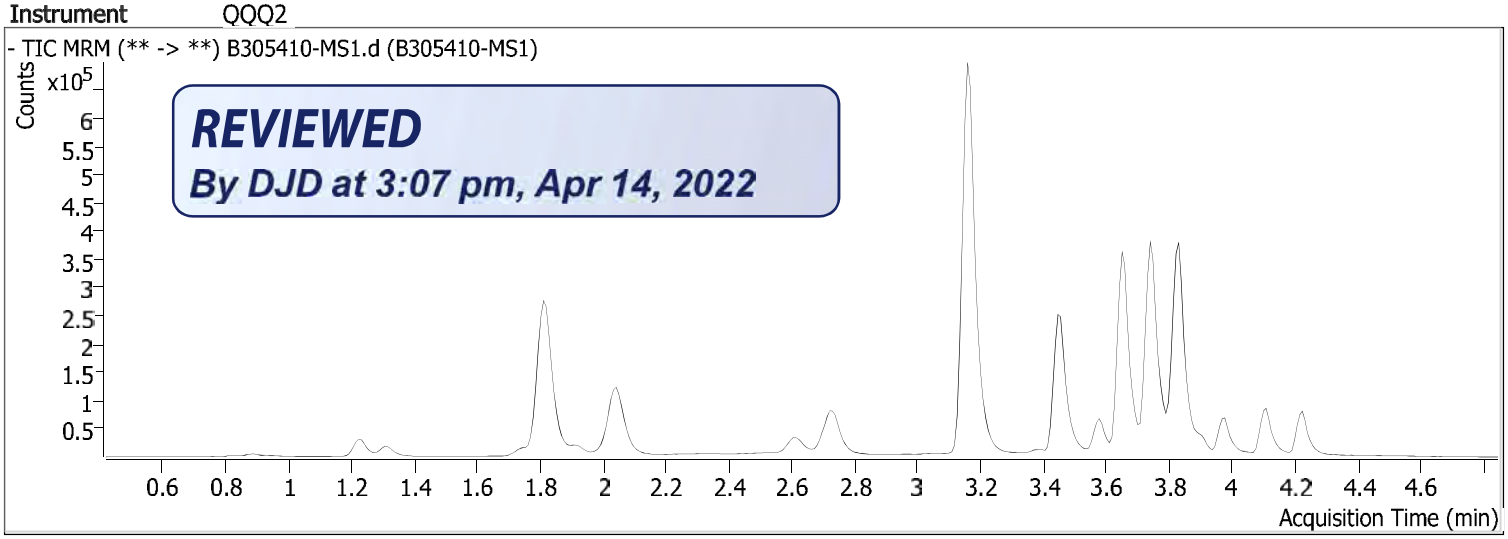
1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Drinking Water	Laboratory ID:	B305410-MS1	File ID:	B305410-MS1.d
Sampled:		Prepared:	04/11/22 09:55	Analyzed:	04/13/22 12:55
Solids:		Preparation:	EPA 537.1	Dilution:	
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				
Column:	1				

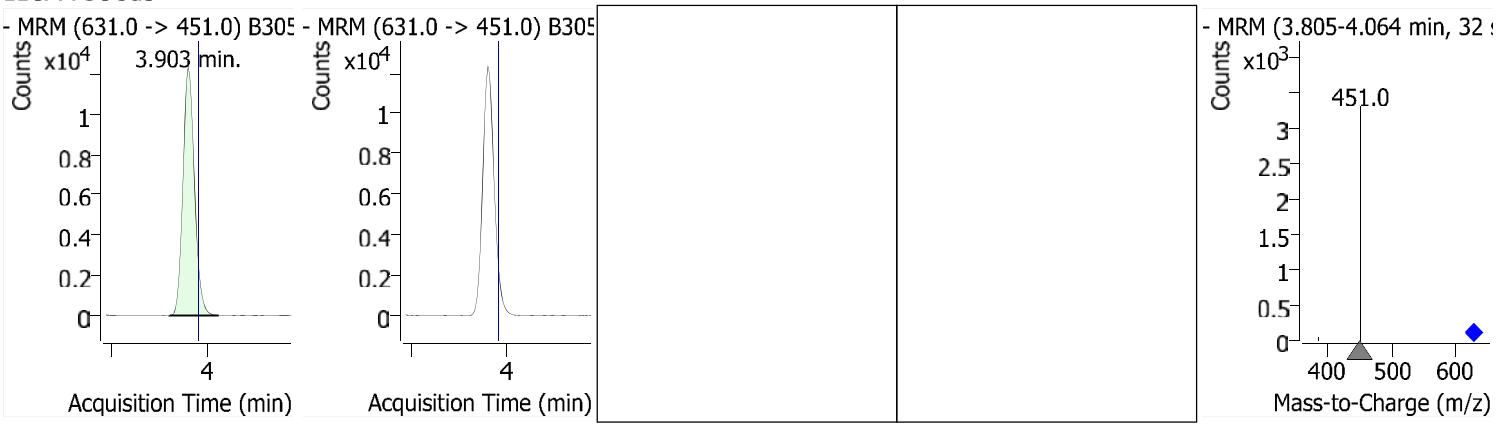
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	7.44	0.79	2.1	
307-24-4	Perfluorohexanoic acid (PFHxA)	9.49	0.92	2.1	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	8.30	0.67	2.1	
375-85-9	Perfluoroheptanoic acid (PFHpA)	8.97	0.70	2.1	
335-67-1	Perfluorooctanoic acid (PFOA)	9.73	0.97	2.1	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	8.33	0.89	2.1	
375-95-1	Perfluorononanoic acid (PFNA)	9.36	0.91	2.1	
335-76-2	Perfluorodecanoic acid (PFDA)	8.35	0.76	2.1	
2991-50-6	N-EtFOSAA	8.45	0.72	2.1	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	8.83	0.70	2.1	
2355-31-9	N-MeFOSAA	8.44	0.67	2.1	
307-55-1	Perfluorododecanoic acid (PFDoA)	8.81	0.64	2.1	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	9.08	0.61	2.1	
376-06-7	Perfluorotetradecanoic acid (PFTA)	8.79	0.53	2.1	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC	7.82	0.91	2.1	
763051-92-9	11Cl-PF3OUdS (F53B Minor)	8.13	0.79	2.1	
756426-58-1	9Cl-PF3ONS (F53B Major)	8.40	0.94	2.1	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/	8.97	0.84	2.1	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 12:55 PM	Data File	B305410-MS1.d
Sample Type	QC	Sample Name	B305410-MS1
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

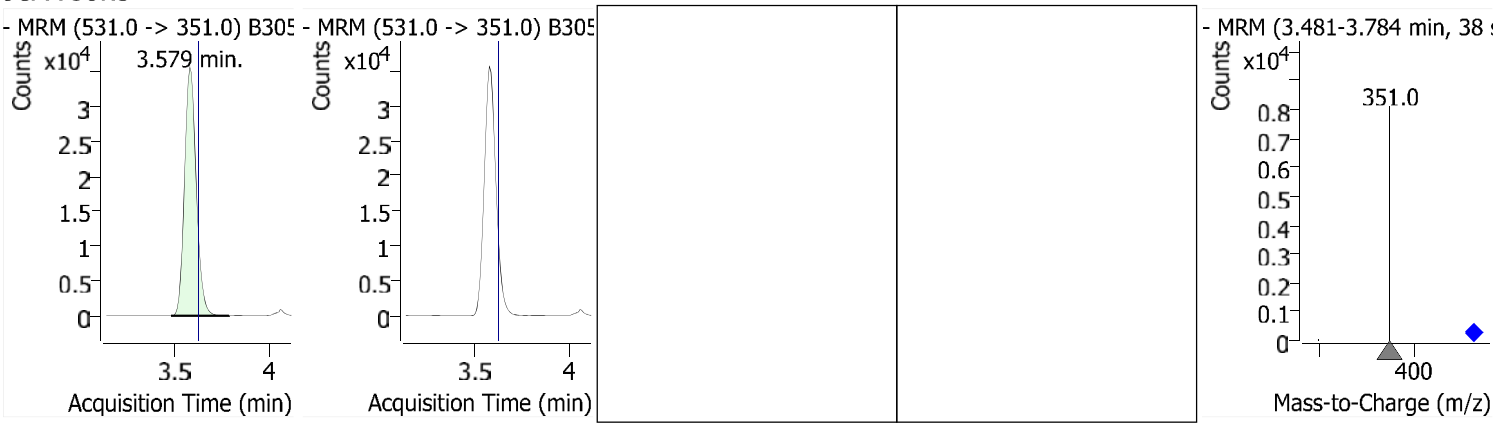


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	51617	PFOS C13	3.458	341556	1971.4262	pg/ml			
9Cl-PF3ONS	3.579	151476	PFOS C13	3.458	341556	2037.9901	pg/ml			
ADONA	2.733	262290	PFOA C13	3.162	872041	2176.2839	pg/ml			
d5-N-EtFOSAA	3.831	756829	d3-N-MeFOSAA	3.741	893932	36573.2995	pg/ml			
HFPO-DA	2.049	7738	PFOA C13	3.162	872041	1897.4415	pg/ml			
N-EtFOSAA	3.831	39500	d3-N-MeFOSAA	3.741	893932	2047.9061	pg/ml			
N-MeFOSAA	3.741	50239	d3-N-MeFOSAA	3.741	893932	2046.6542	pg/ml			
PFBS	1.316	39065	PFOS C13	3.458	341556	1803.1978	pg/ml			
PFDA C13	3.653	714281	PFOA C13	3.162	872041	9501.0705	pg/ml			
PFDA	3.653	144201	PFOA C13	3.162	872041	2025.8911	pg/ml	✔	3	DRL 04/14/22
PFDoA	3.977	151347	PFOA C13	3.162	872041	2135.8885	pg/ml			
PFHpA	2.617	81122	PFOA C13	3.162	872041	2175.1606	pg/ml			
PFHxA C13	1.813	795541	PFOA C13	3.162	872041	9969.8494	pg/ml			
PFHxA	1.814	141258	PFOA C13	3.162	872041	2300.7432	pg/ml			
PFHxS	2.697	29272	PFOS C13	3.458	341556	2013.8713	pg/ml			
PFNA	3.451	157924	PFOA C13	3.162	872041	2270.0664	pg/ml			
PFOA	3.163	209003	PFOA C13	3.162	872041	2358.4557	pg/ml			
PFOS	3.459	24203	PFOS C13	3.458	341556	2019.0546	pg/ml			
M3HFPO-DA	2.040	79828	PFOA C13	3.162	872041	9836.4775	pg/ml			
PFTA	4.222	188458	PFOA C13	3.162	872041	2130.3486	pg/ml			
PFTrDA	4.107	202187	PFOA C13	3.162	872041	2201.0617	pg/ml			
PFUnA	3.824	140075	PFOA C13	3.162	872041	2140.2328	pg/ml			

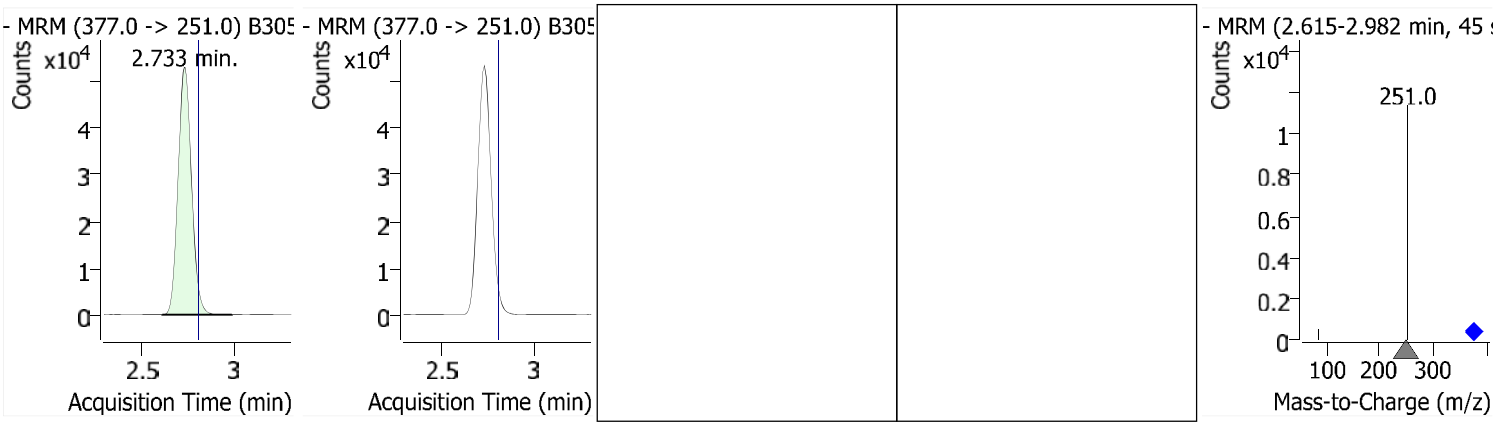
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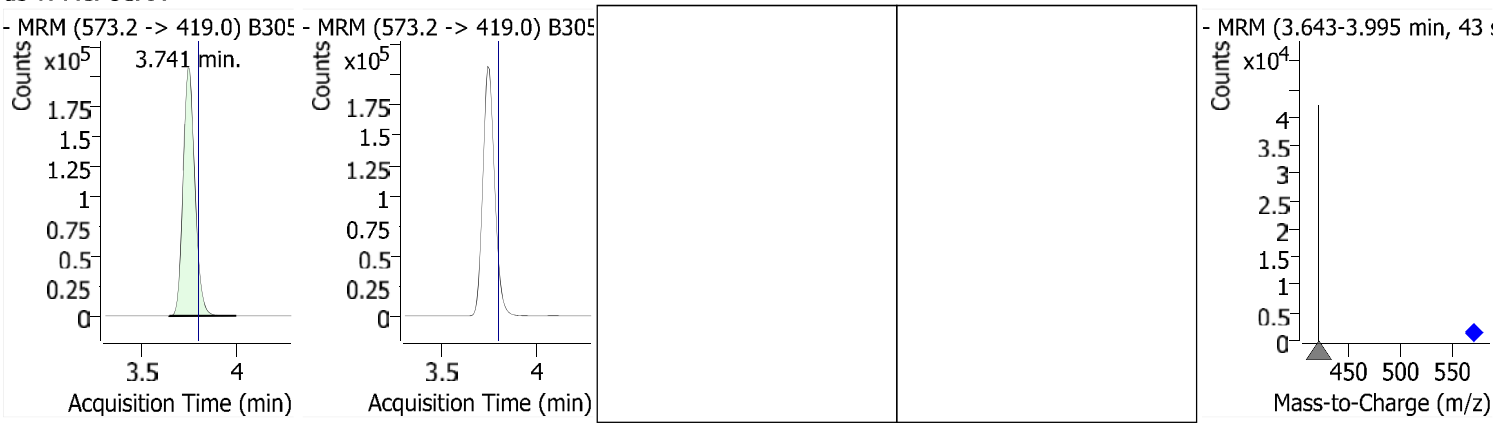
9Cl-PF3ONS



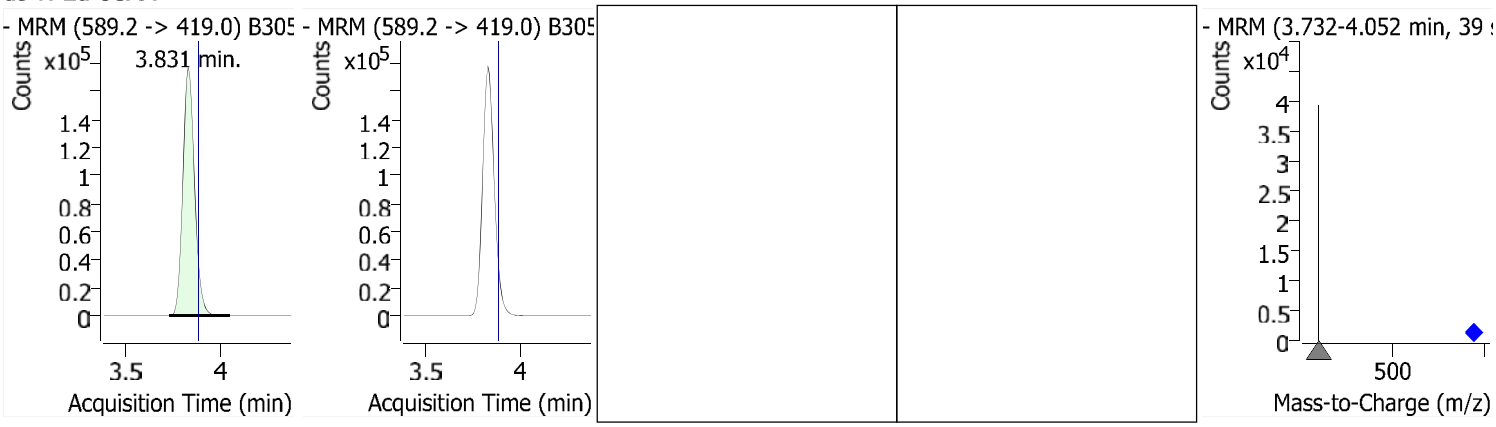
ADONA



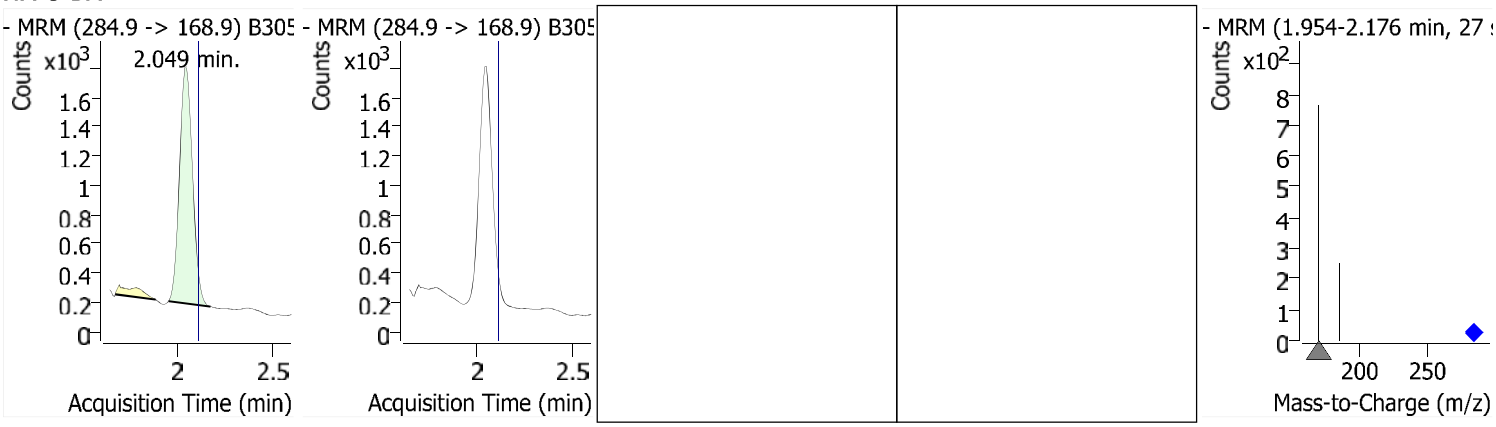
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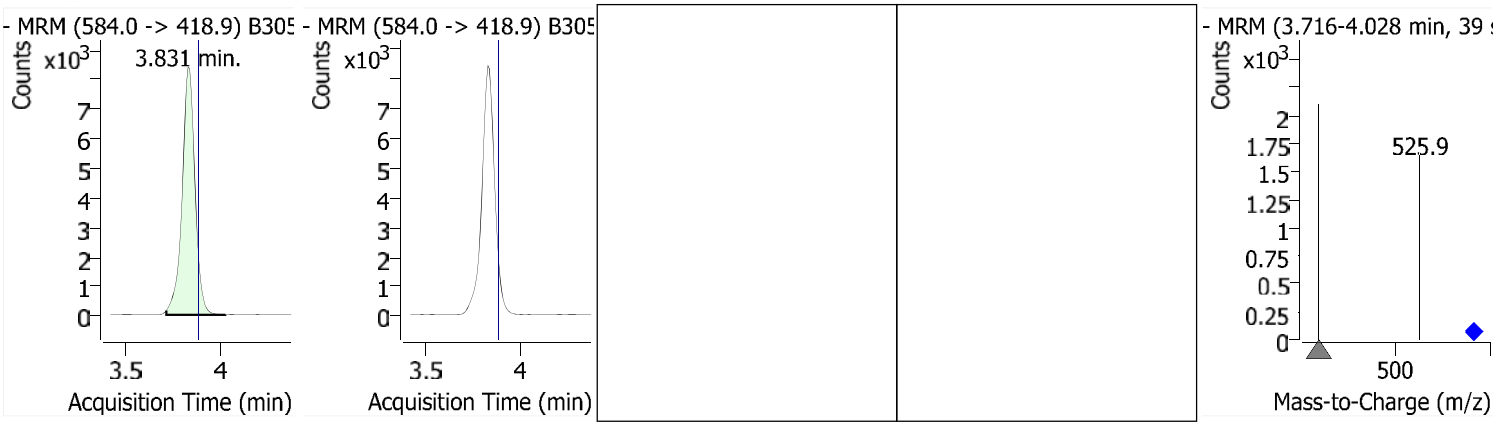
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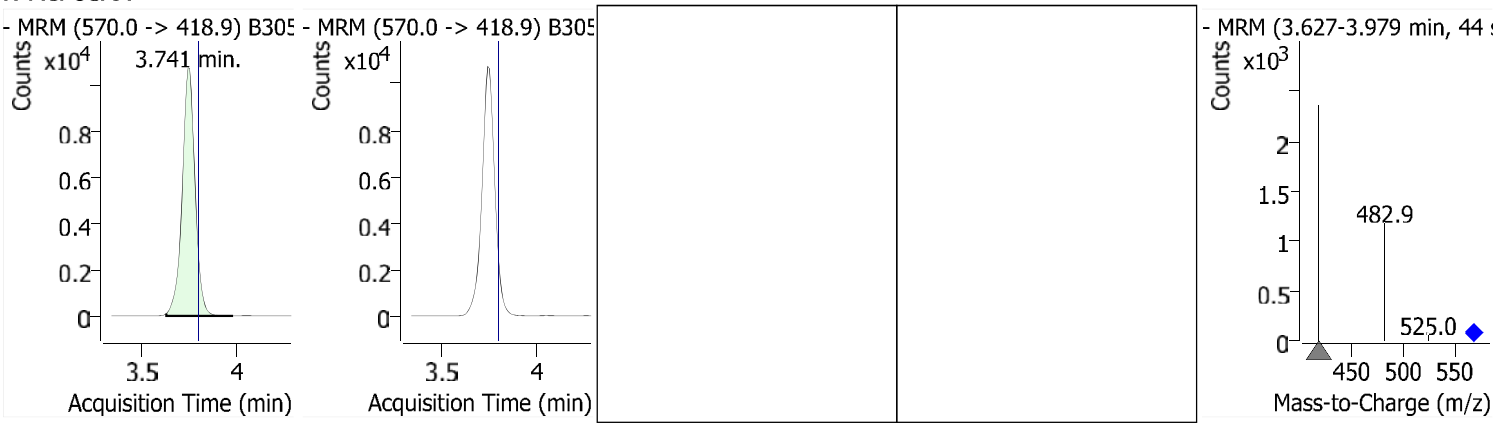
HFPO-DA



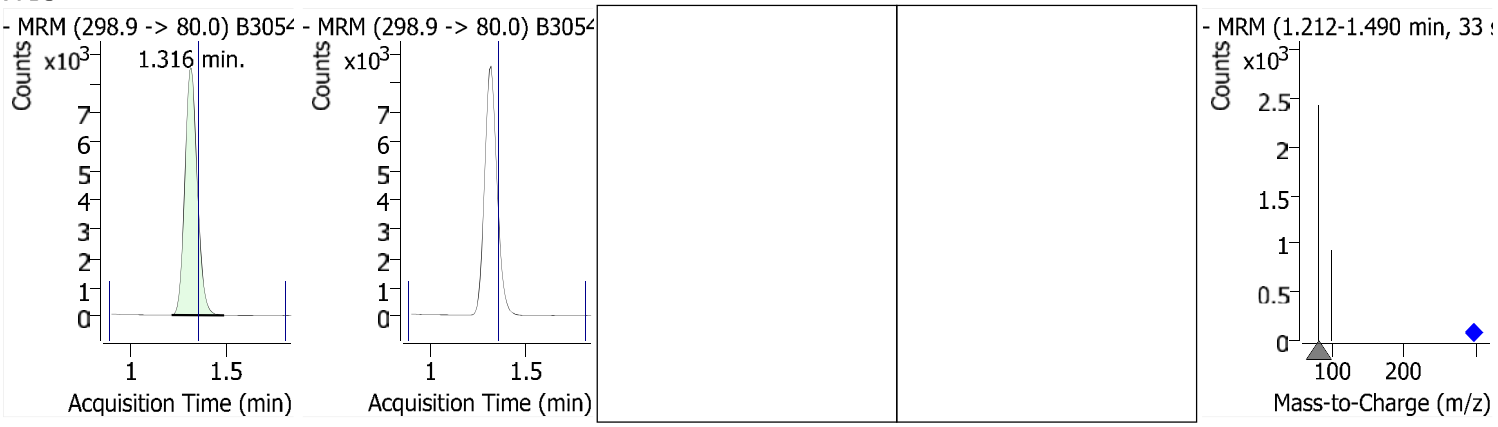
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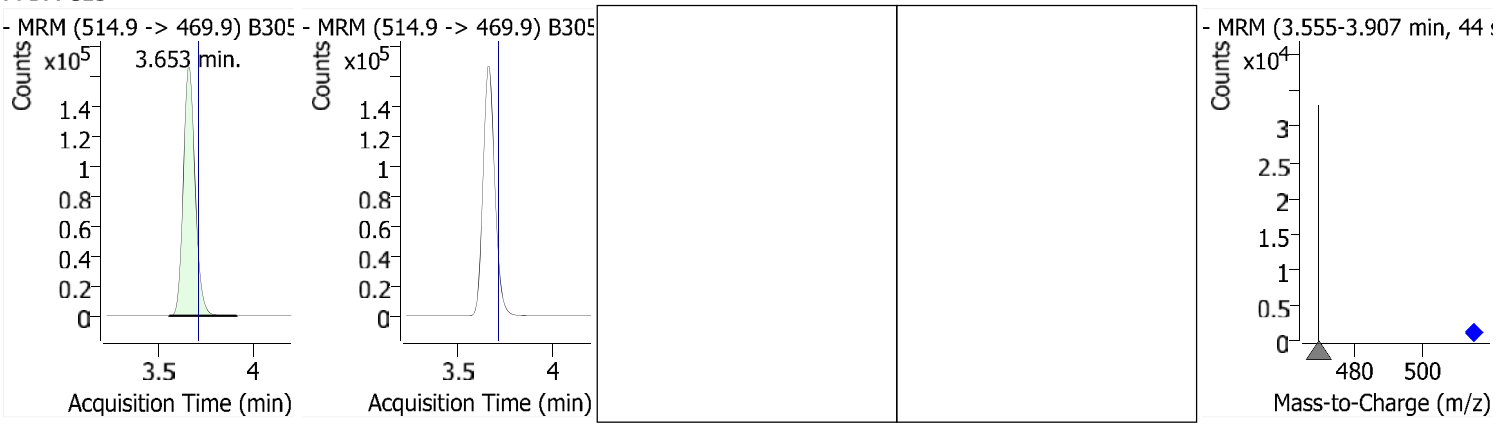
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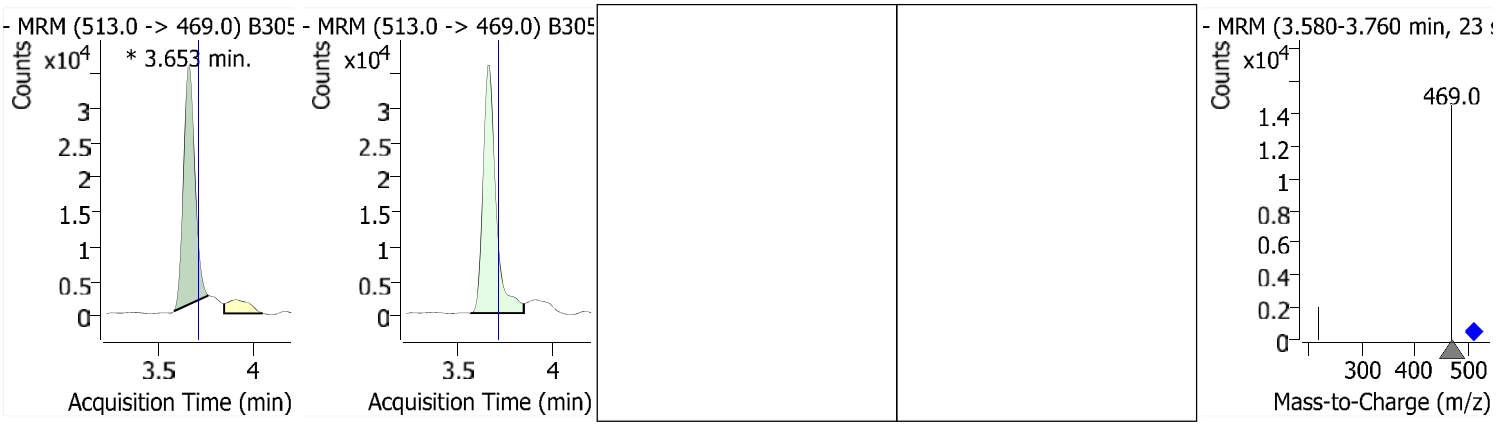
PFBS



PFDA C13



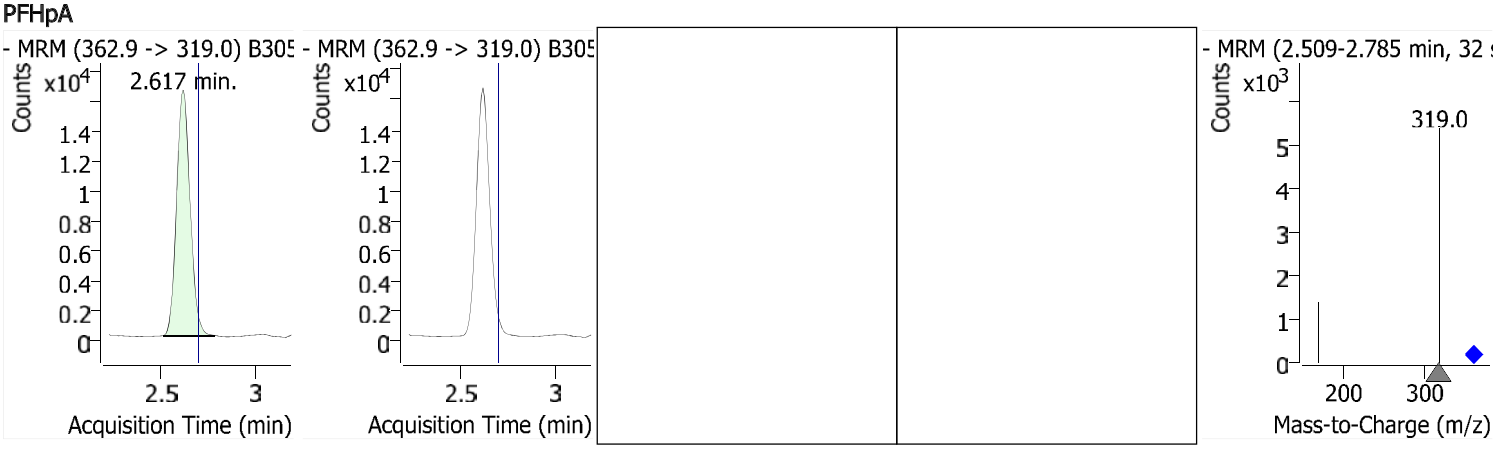
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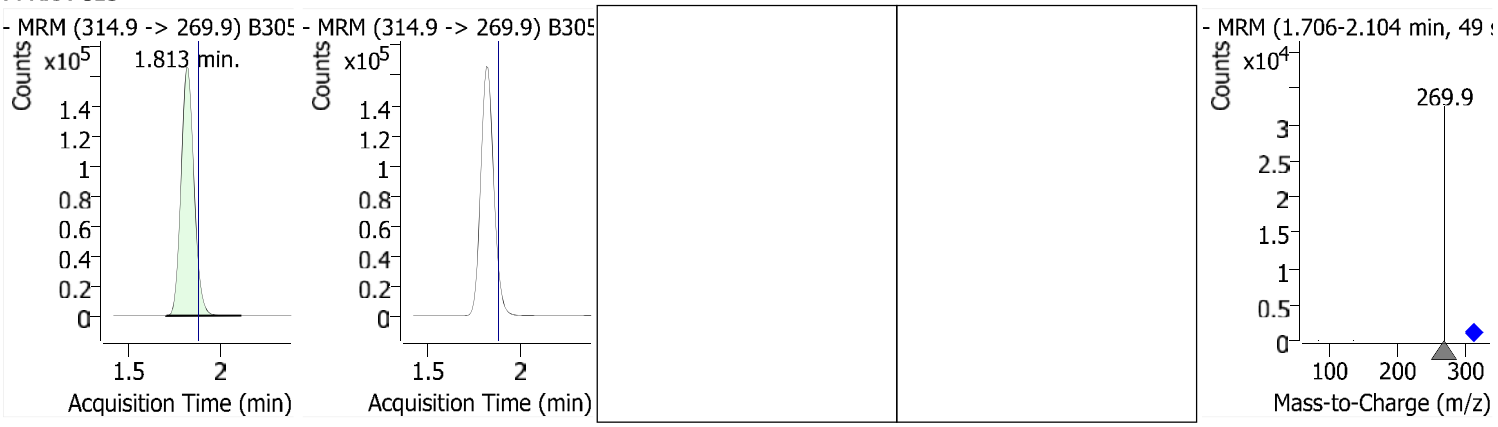
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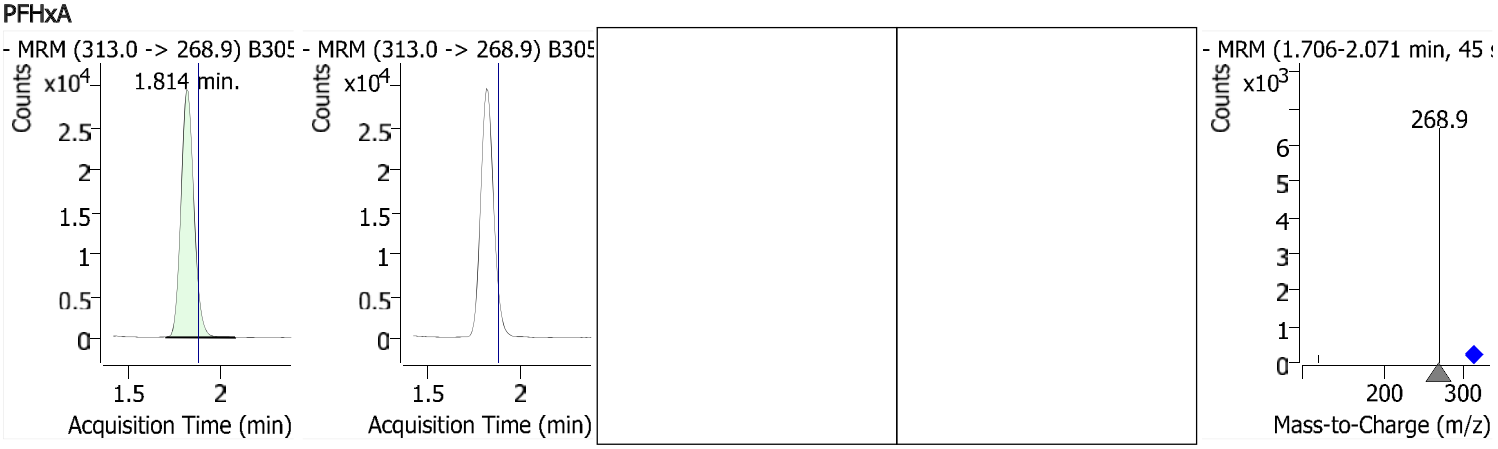
PFHpA



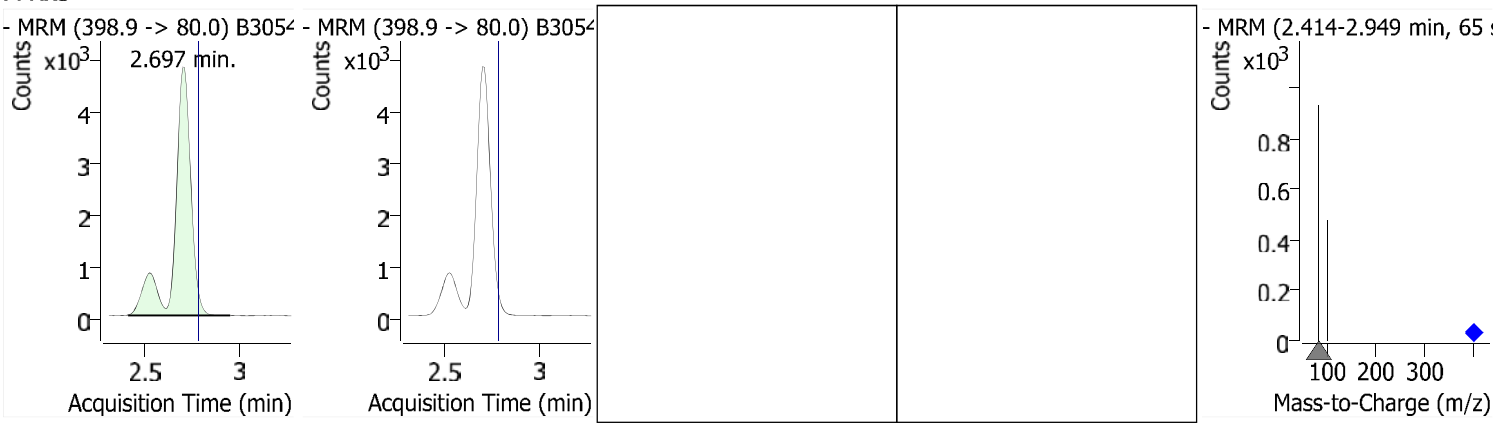
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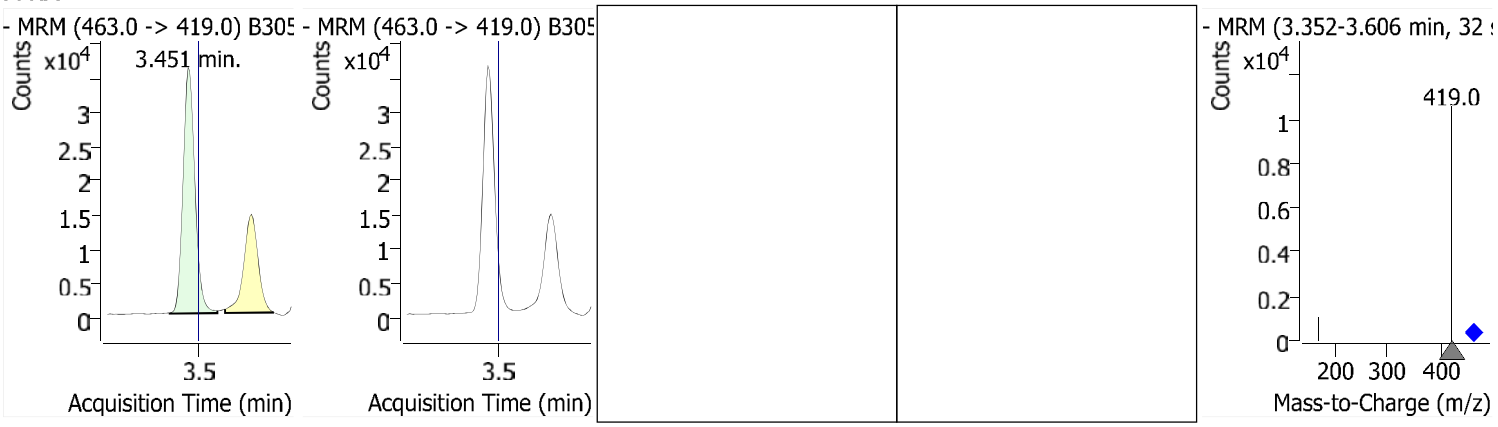
PFHxA



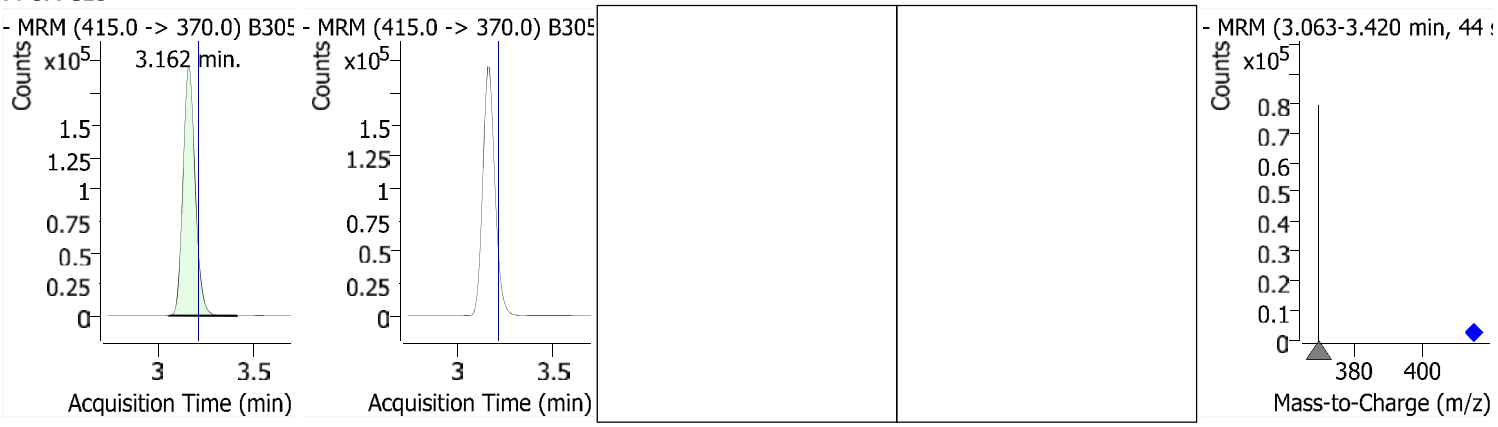
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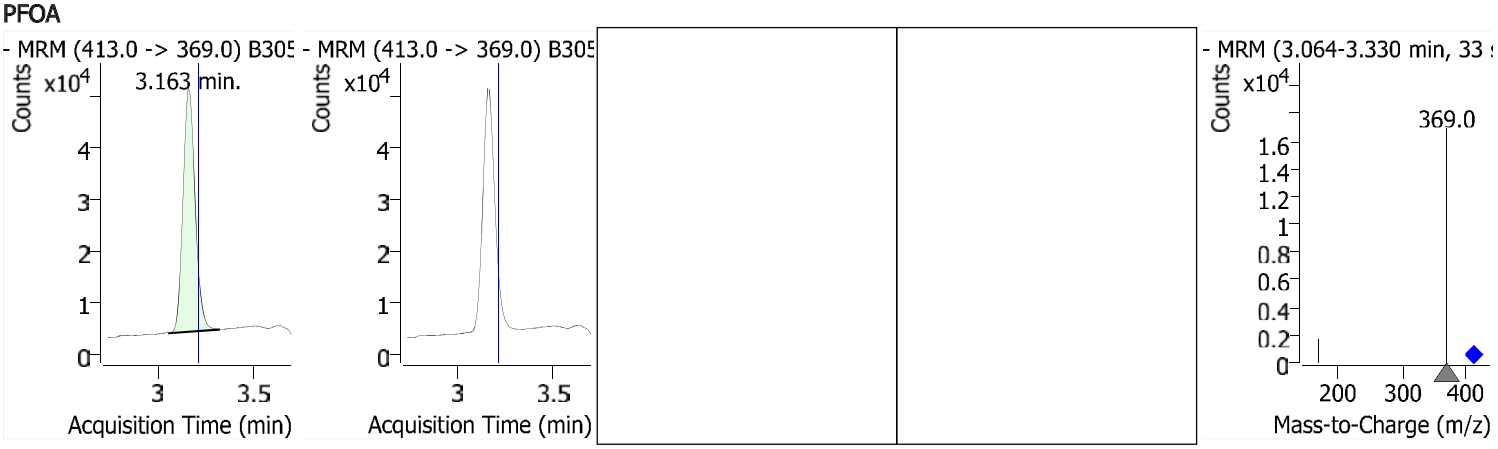
PFNA



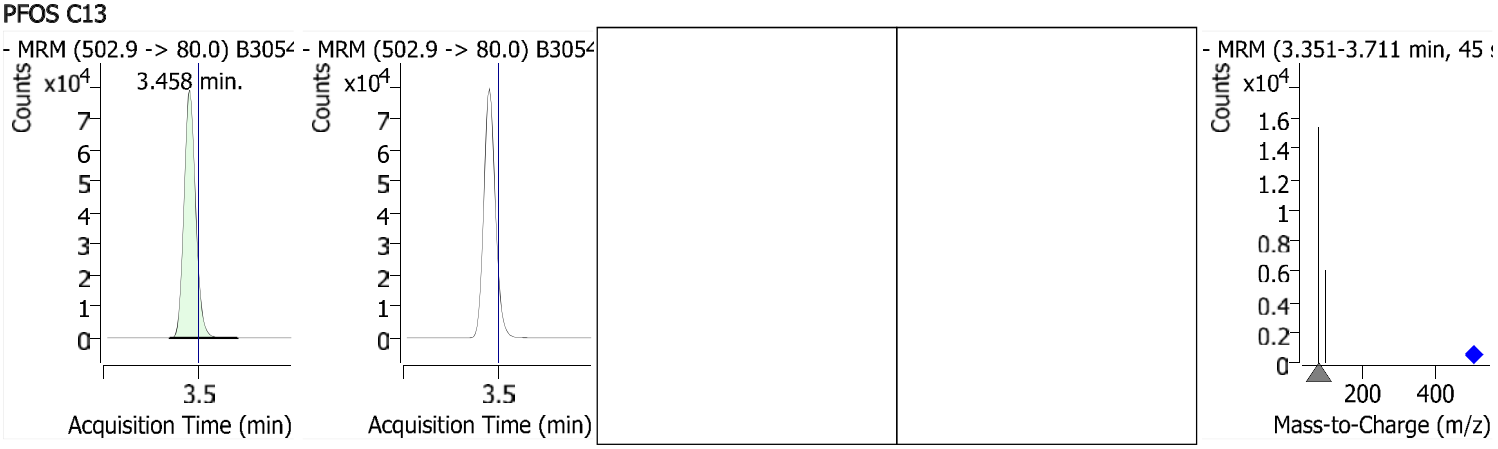
PFOA C13



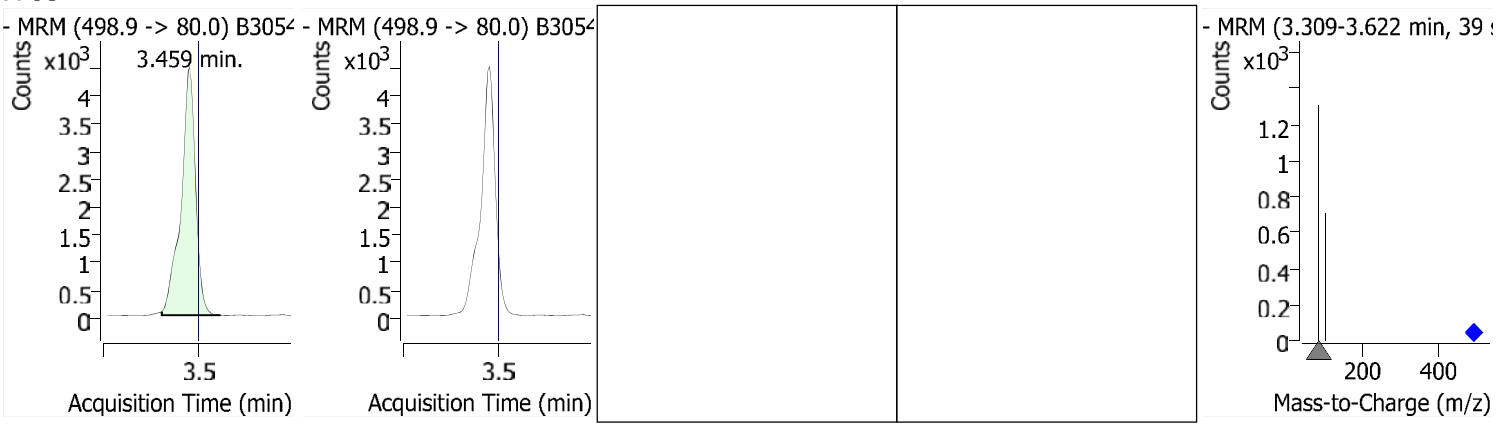
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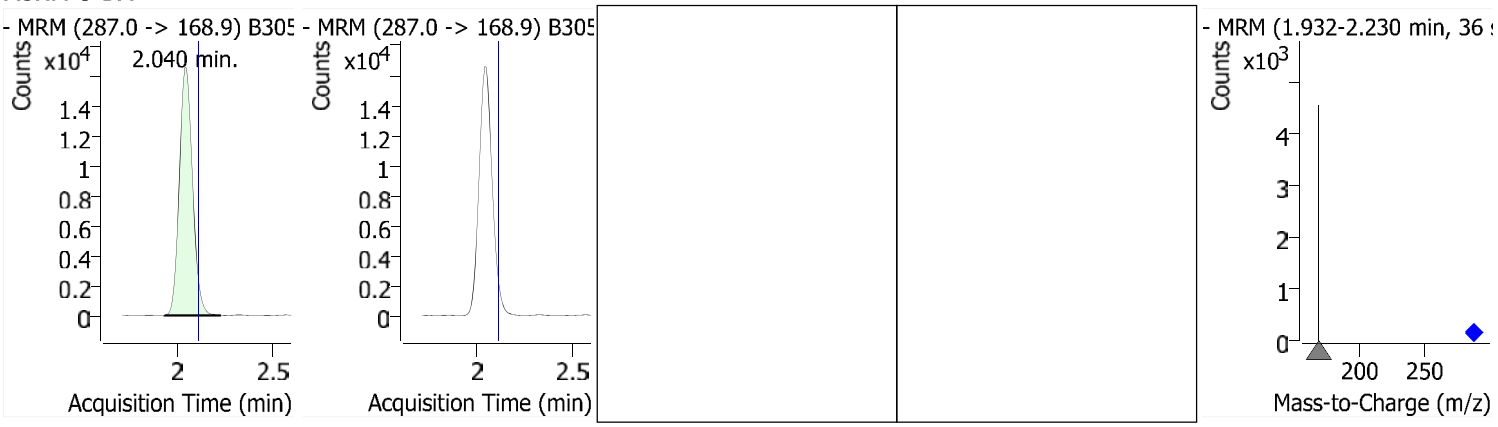
PFOS C13



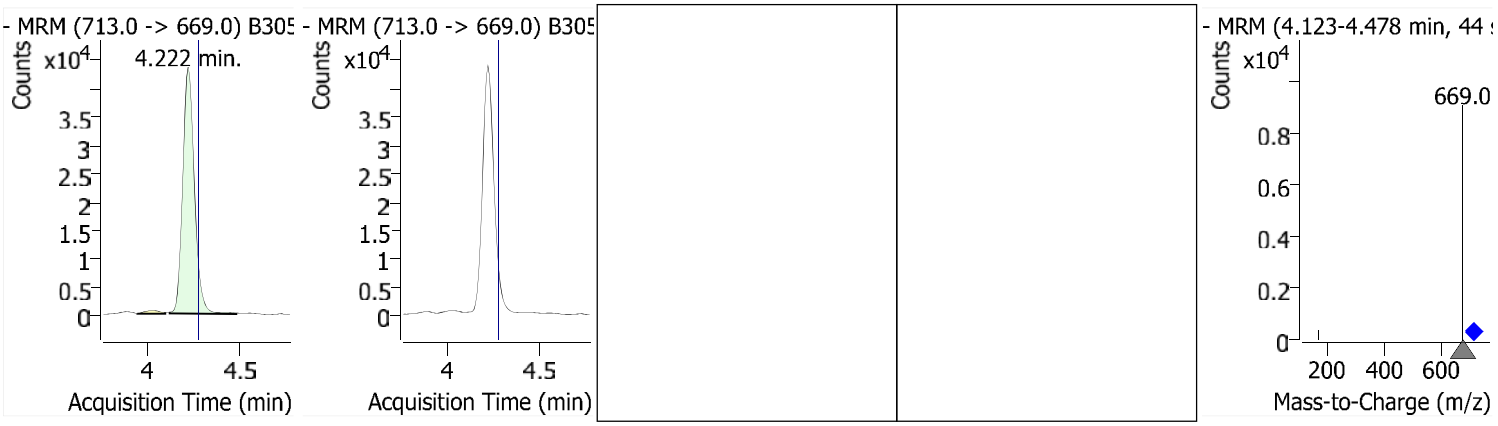
PFOS



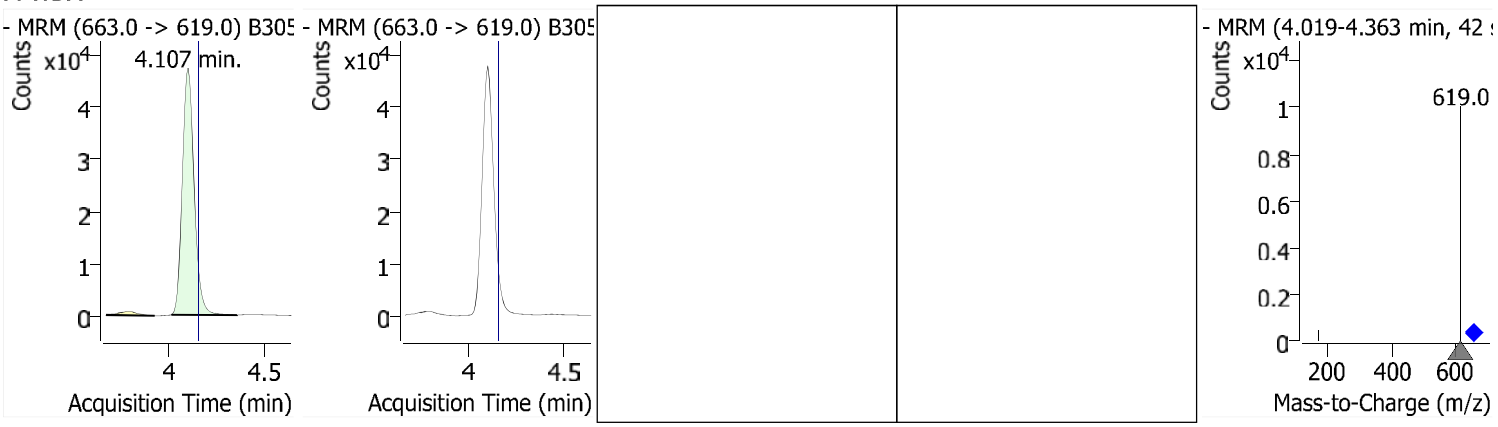
M3HFPO-DA



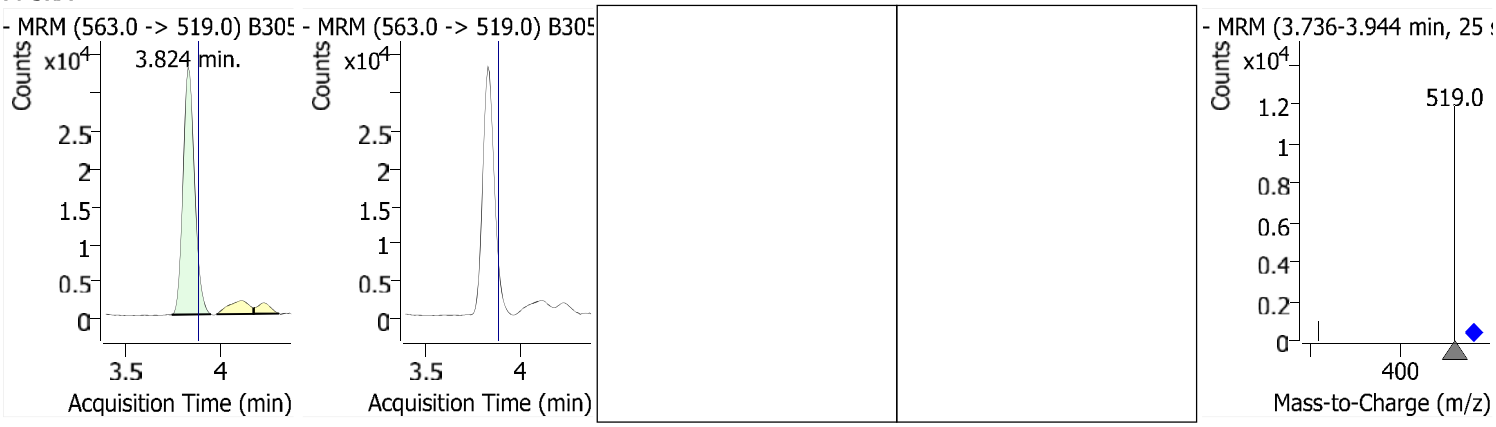
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) B305
Counts
x10^4
3.824 min.
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (563.0 -> 519.0) B305
Counts
x10^4
2.5
2
1.5
1
0.5
0
3.5
4
Acquisition Time (min)
- MRM (3.736-3.944 min, 25
Counts
x10^4
519.0
1.2
1
0.8
0.6
0.4
0.2
0
400
Mass-to-Charge (m/z)

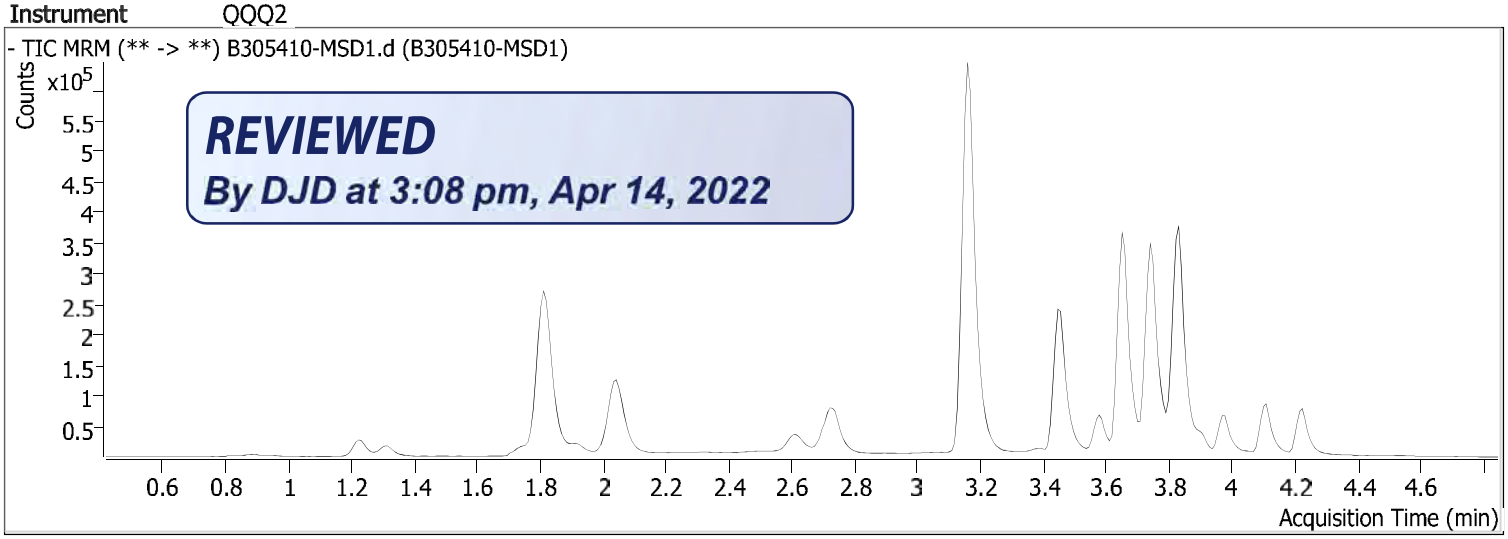
1 - FORM I
ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	22D0549
Client:	NYDEC_EA Engineering, Science & Tech. - N		Project:	Carroll Landfill - CO SMPC0001	
Matrix:	Drinking Water	Laboratory ID:	B305410-MSD1	File ID:	B305410-MSD1.d
Sampled:		Prepared:	04/11/22 09:55	Analyzed:	04/13/22 13:02
Solids:		Preparation:	EPA 537.1	Dilution:	
Batch:	B305410	Sequence:	S070364	Calibration:	2200181
Instrument:	QQQ2				
Column:	1				

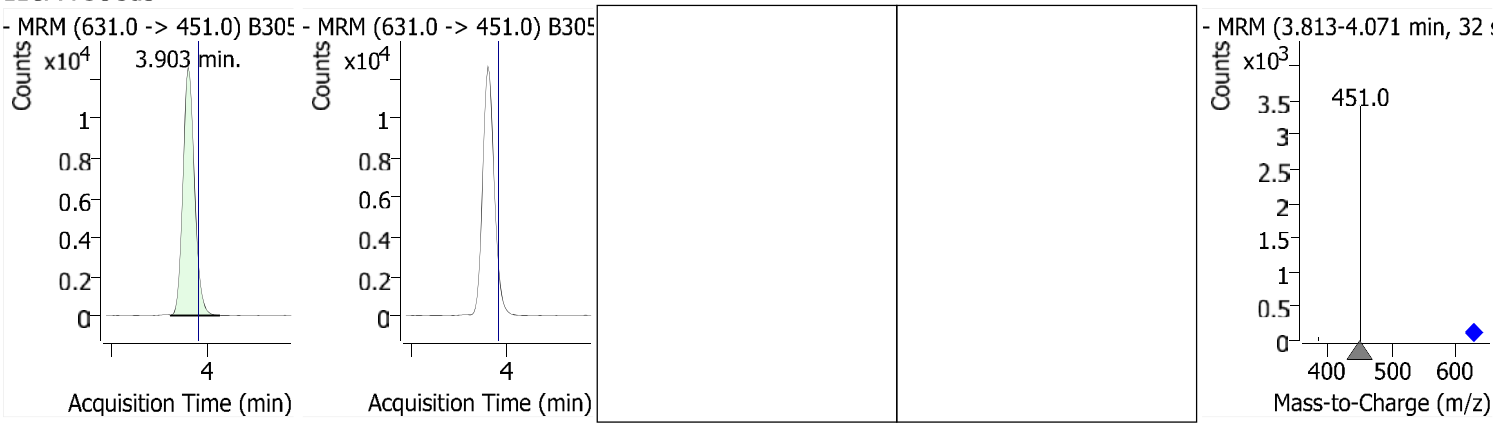
CAS NO.	COMPOUND	CONC. (ng/L)	MDL	RL	Q
375-73-5	Perfluorobutanesulfonic acid (PFBS)	8.13	0.81	2.1	
307-24-4	Perfluorohexanoic acid (PFHxA)	10.3	0.94	2.1	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	9.09	0.68	2.1	
375-85-9	Perfluoroheptanoic acid (PFHpA)	10.2	0.71	2.1	
335-67-1	Perfluorooctanoic acid (PFOA)	10.7	0.99	2.1	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	9.77	0.91	2.1	
375-95-1	Perfluorononanoic acid (PFNA)	10.8	0.93	2.1	
335-76-2	Perfluorodecanoic acid (PFDA)	9.17	0.77	2.1	
2991-50-6	N-EtFOSAA	10.1	0.73	2.1	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	9.98	0.71	2.1	
2355-31-9	N-MeFOSAA	8.94	0.69	2.1	
307-55-1	Perfluorododecanoic acid (PFDoA)	9.12	0.66	2.1	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	10.1	0.62	2.1	
376-06-7	Perfluorotetradecanoic acid (PFTA)	9.77	0.54	2.1	
13252-13-6	Hexafluoropropylene oxide dimer acid (HFPC	8.98	0.93	2.1	
763051-92-9	11Cl-PF3OUdS (F53B Minor)	9.20	0.80	2.1	
756426-58-1	9Cl-PF3ONS (F53B Major)	9.20	0.96	2.1	
919005-14-4	4,8-dioxa-3H-perfluorononanoic acid (ADON/	9.79	0.86	2.1	

Batch Path	D:\MassHunter\Data\APR2022\041322\QuantResults\B305410.batch.bin		
Analysis Time	4/14/2022 11:17 AM	Last Calib Update	4/13/2022 10:03 AM
Acq. Time	4/13/2022 1:02 PM	Data File	B305410-MSD1.d
Sample Type	QC	Sample Name	B305410-MSD1
Dilution	1	Acq. Method	PFAS-ACQUISITION-FULL.m
Sample Comment		Processing method	5371_041222.m
Instrument	QQQ2		

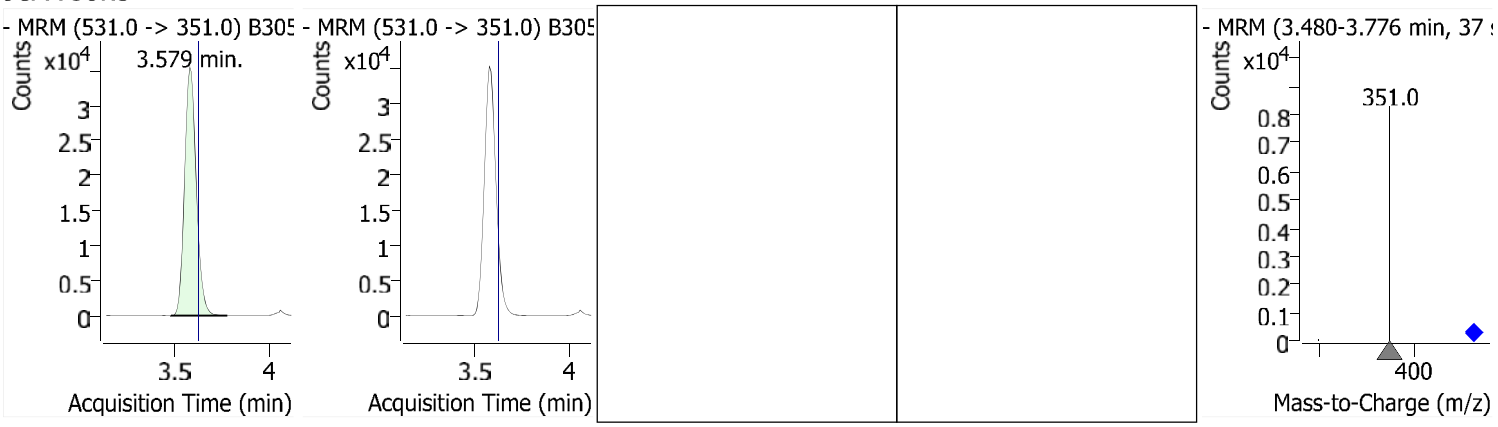


Compound	RT	Resp.	ISTD	RT	ISTD Resp.	Final Conc	Units	MI	Reason	Analyst & Date
11Cl-PF3OUdS	3.903	53146	PFOS C13	3.458	317218	2184.5777	pg/ml			
9Cl-PF3ONS	3.579	150913	PFOS C13	3.458	317218	2185.0627	pg/ml			
ADONA	2.733	259112	PFOA C13	3.162	805847	2325.5393	pg/ml			
d5-N-EtFOSAA	3.831	754244	d3-N-MeFOSAA	3.741	810469	40201.8747	pg/ml			
HFPO-DA	2.041	8050	PFOA C13	3.162	805847	2133.2649	pg/ml	✔	3	DRL 04/14/22
N-EtFOSAA	3.831	41848	d3-N-MeFOSAA	3.741	810469	2393.0393	pg/ml			
N-MeFOSAA	3.741	47218	d3-N-MeFOSAA	3.741	810469	2121.6770	pg/ml			
PFBS	1.316	38840	PFOS C13	3.458	317218	1929.9862	pg/ml			
PFDA C13	3.653	717922	PFOA C13	3.162	805847	10333.9237	pg/ml			
PFDA	3.653	143160	PFOA C13	3.162	805847	2176.9554	pg/ml	✔	3	DRL 04/14/22
PFDoA	3.977	141790	PFOA C13	3.162	805847	2165.3061	pg/ml			
PFHpA	2.617	83117	PFOA C13	3.162	805847	2410.8049	pg/ml			
PFHxA C13	1.813	784255	PFOA C13	3.162	805847	10635.7396	pg/ml			
PFHxA	1.814	138457	PFOA C13	3.162	805847	2439.8788	pg/ml			
PFHxS	2.697	29158	PFOS C13	3.458	317218	2158.8372	pg/ml			
PFNA	3.451	164504	PFOA C13	3.162	805847	2558.8896	pg/ml			
PFOA	3.163	208482	PFOA C13	3.162	805847	2545.1629	pg/ml			
PFOS	3.459	25836	PFOS C13	3.458	317218	2319.4947	pg/ml			
M3HFPO-DA	2.040	78634	PFOA C13	3.162	805847	10485.2684	pg/ml			
PFTA	4.222	189706	PFOA C13	3.162	805847	2319.6243	pg/ml			
PFTrDA	4.107	204208	PFOA C13	3.162	805847	2404.7385	pg/ml			
PFUnA	3.824	143367	PFOA C13	3.162	805847	2370.6469	pg/ml			

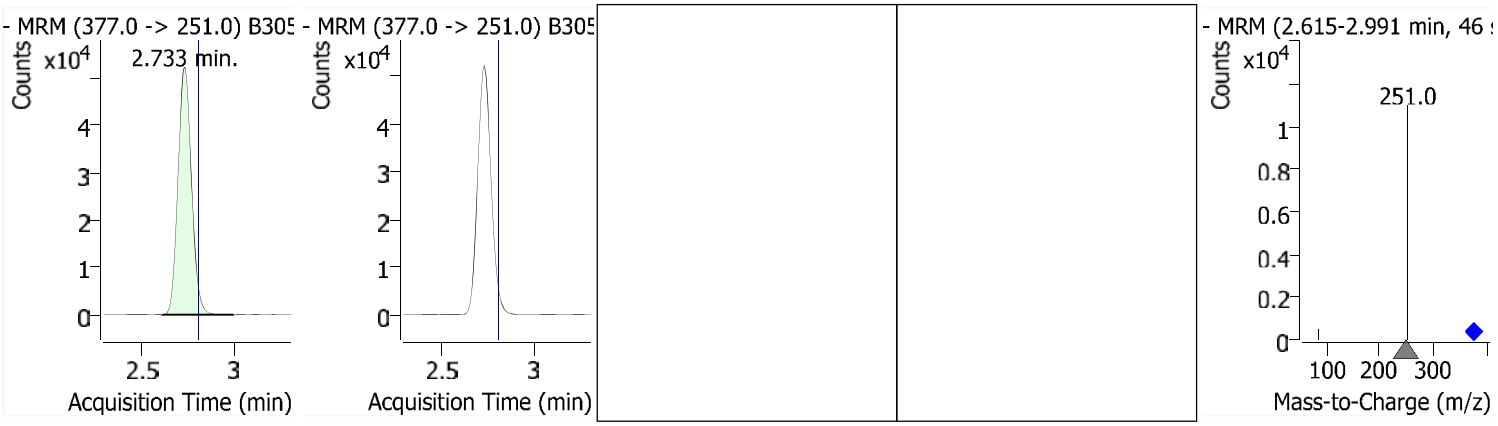
11Cl-PF3OUdS



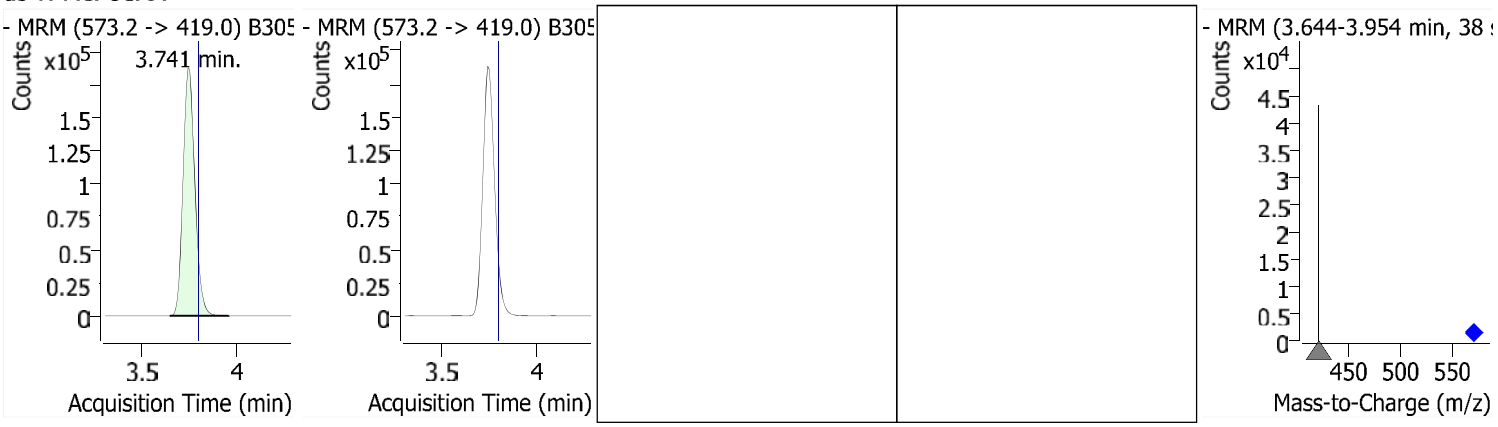
9Cl-PF3ONS



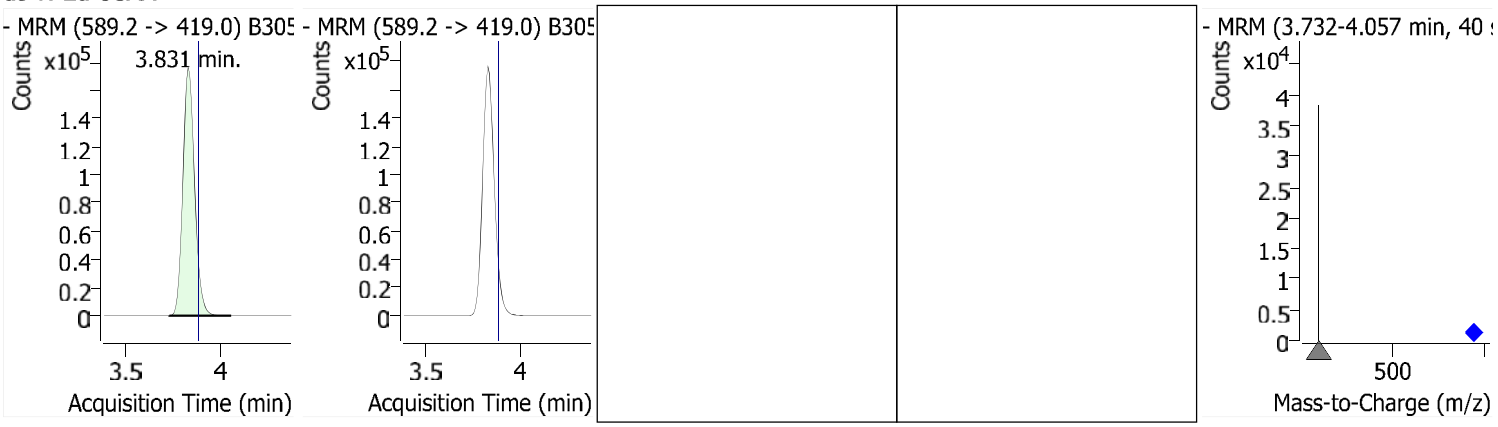
ADONA



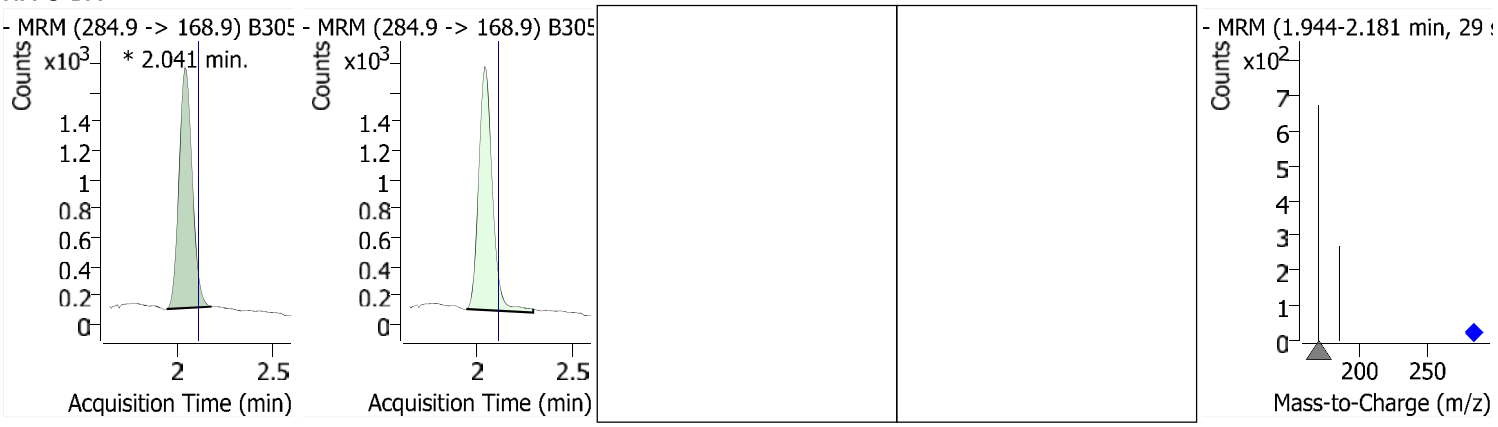
d3-N-MeFOSAA



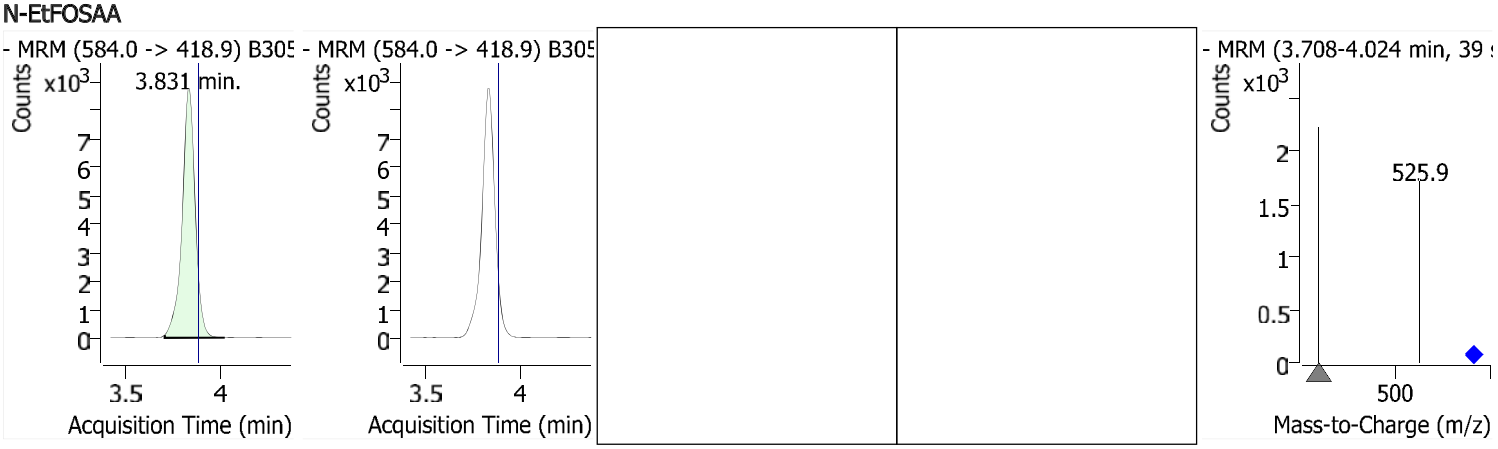
d5-N-EtFOSAA



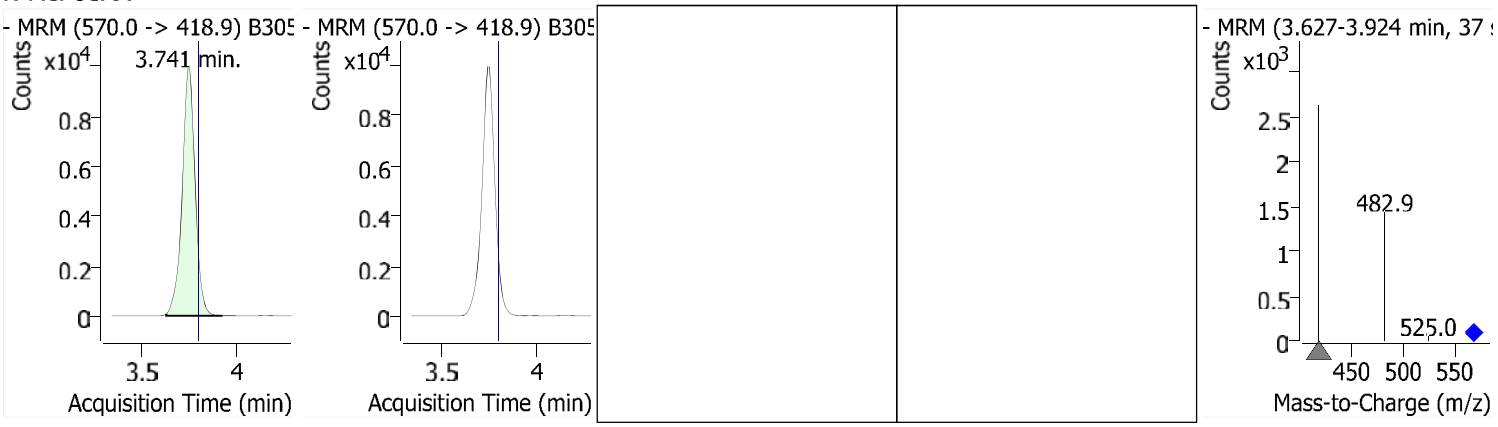
HFPO-DA



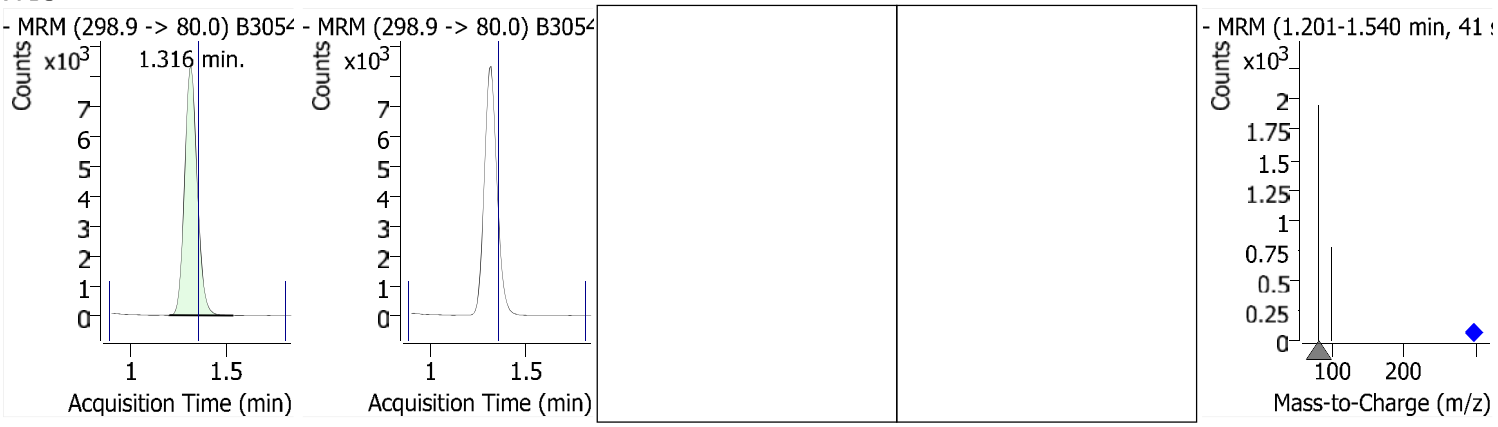
N-EtFOSAA



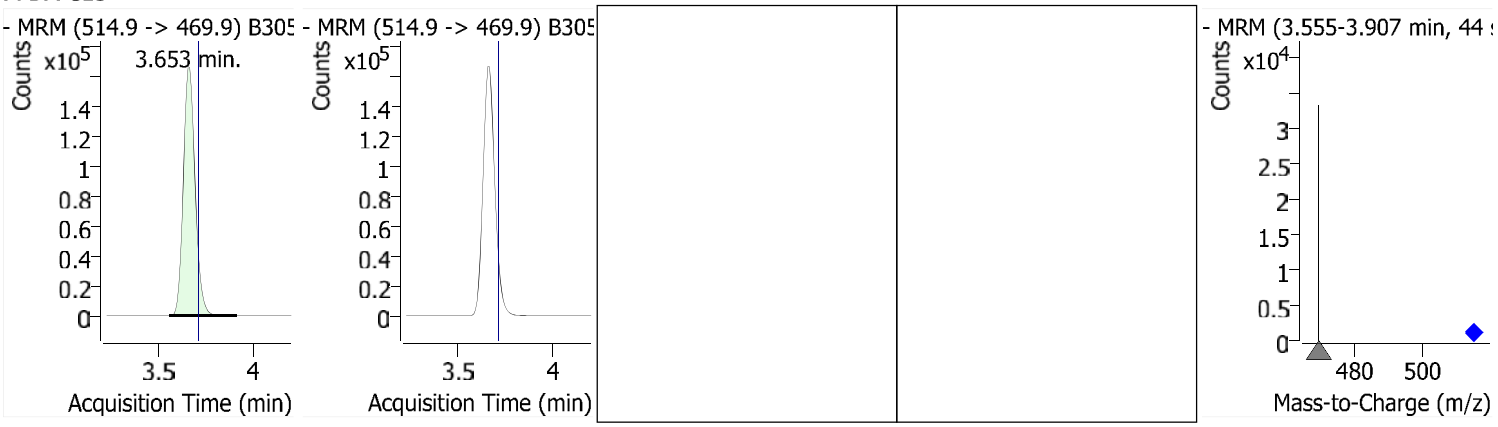
N-MeFOSAA



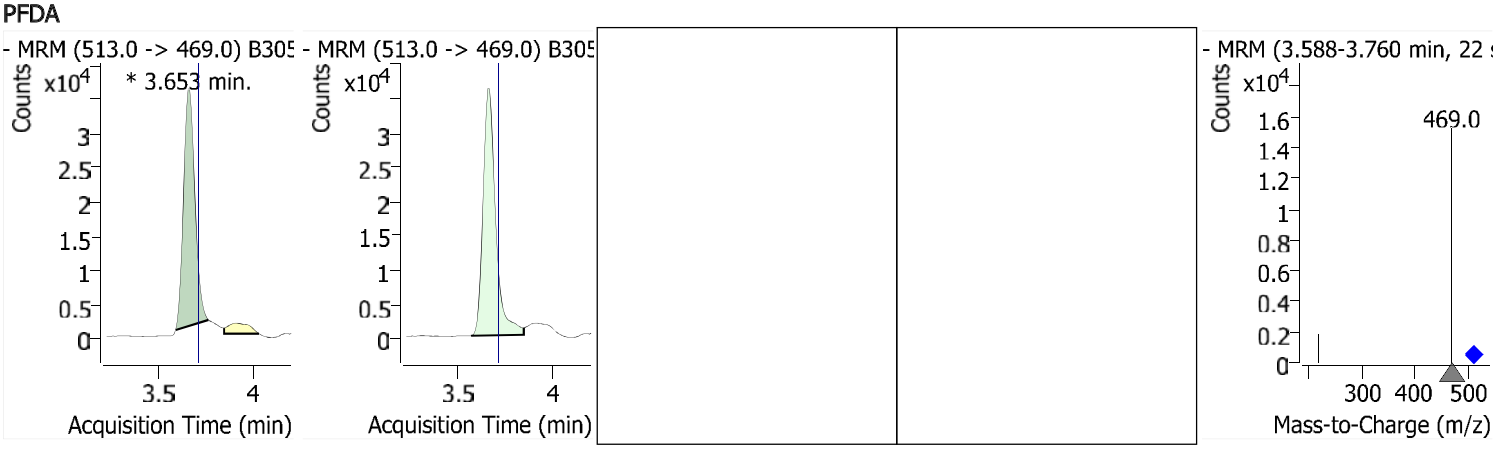
PFBS



PFDA C13



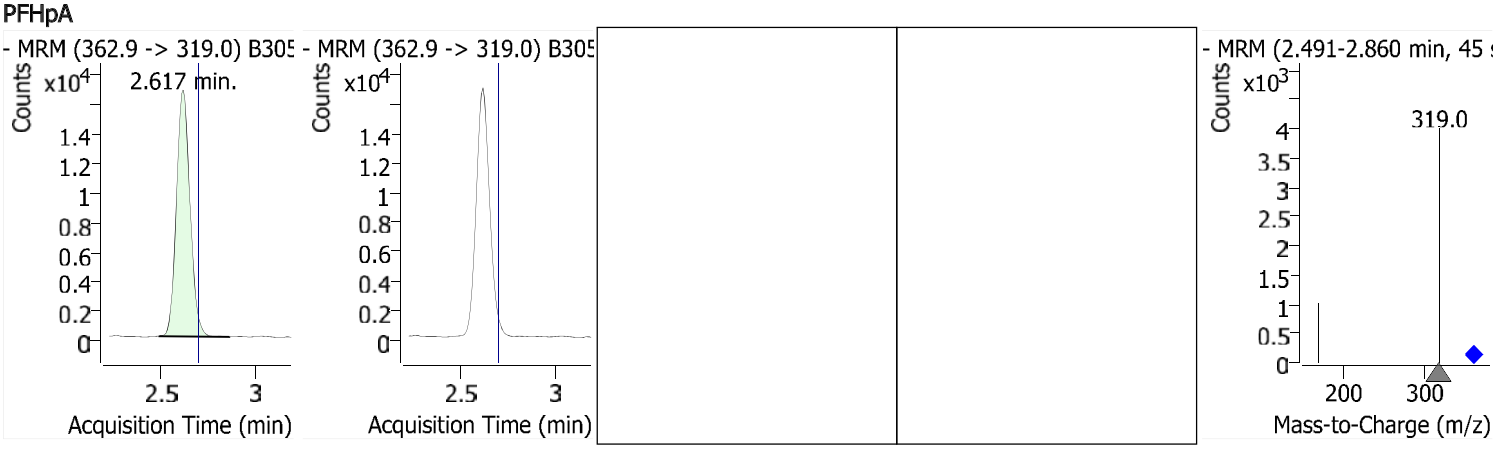
PFDA



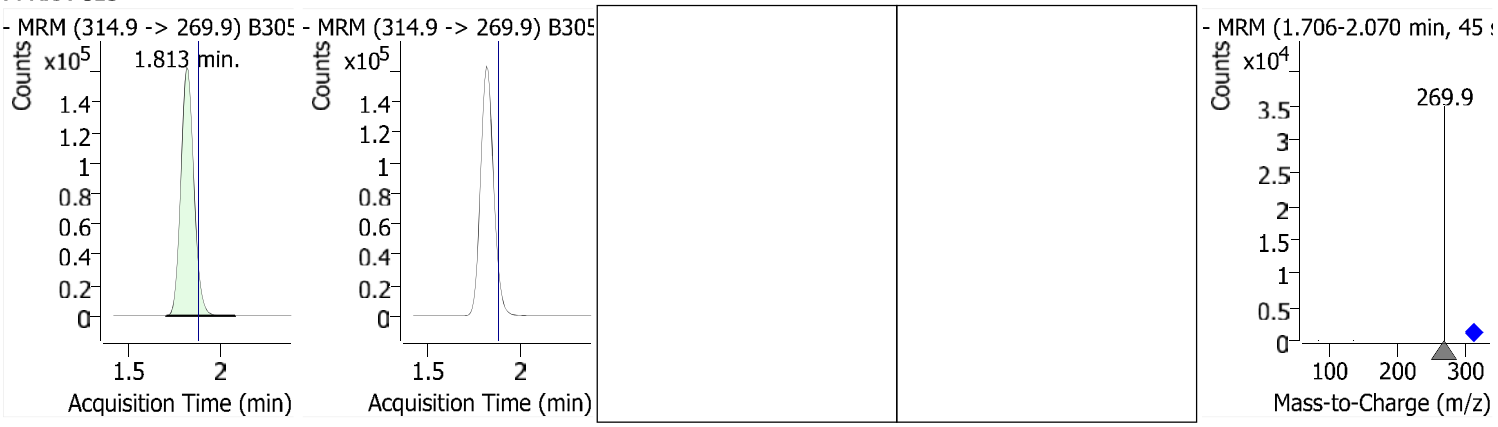
PFDoA



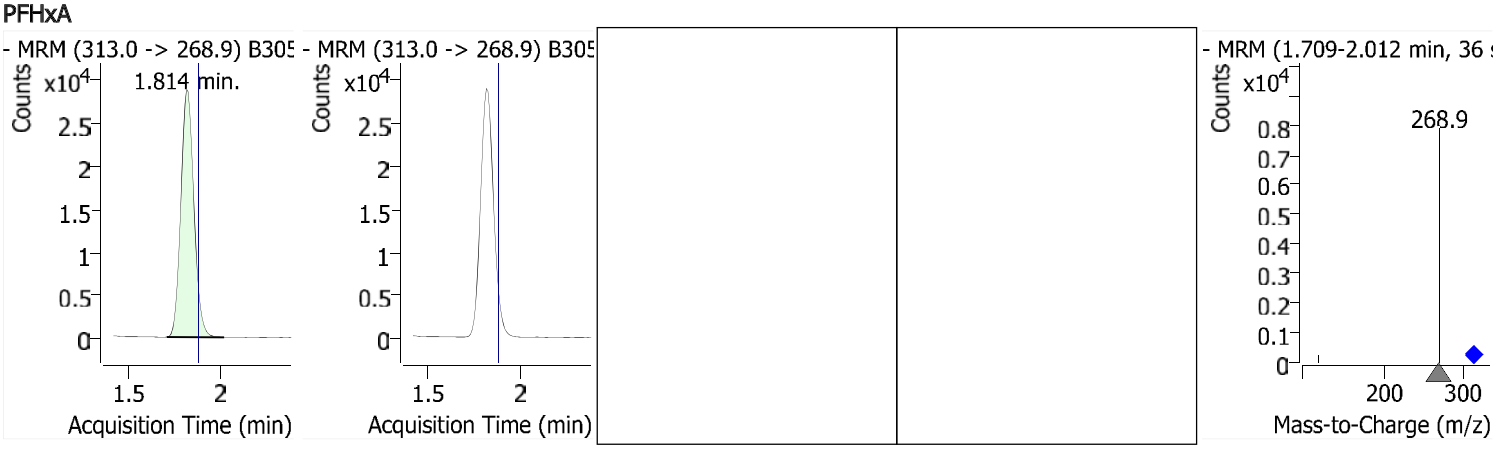
PFHpA



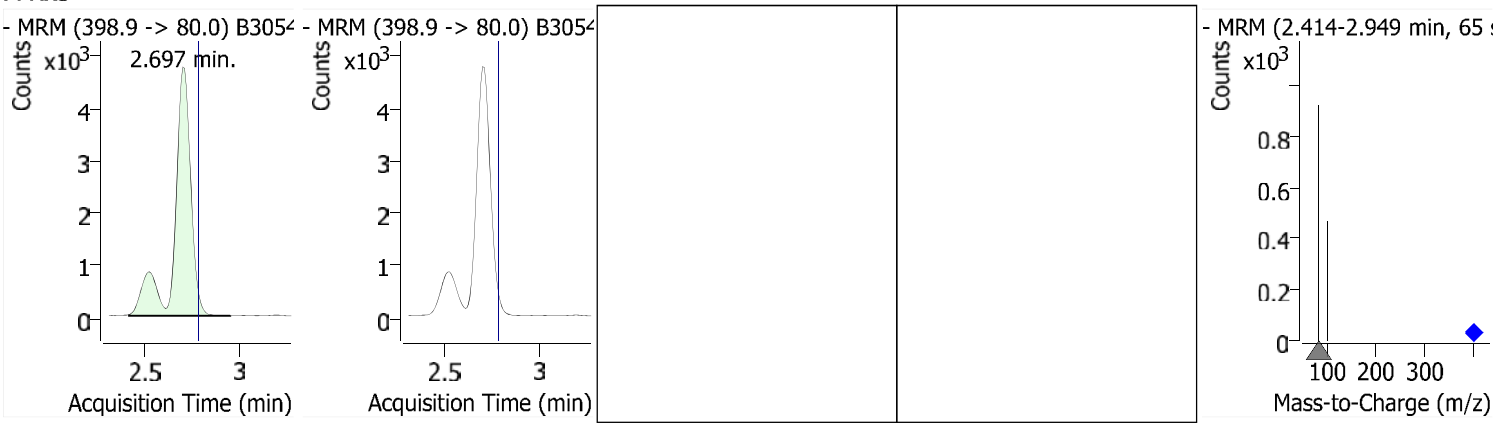
PFHxA C13



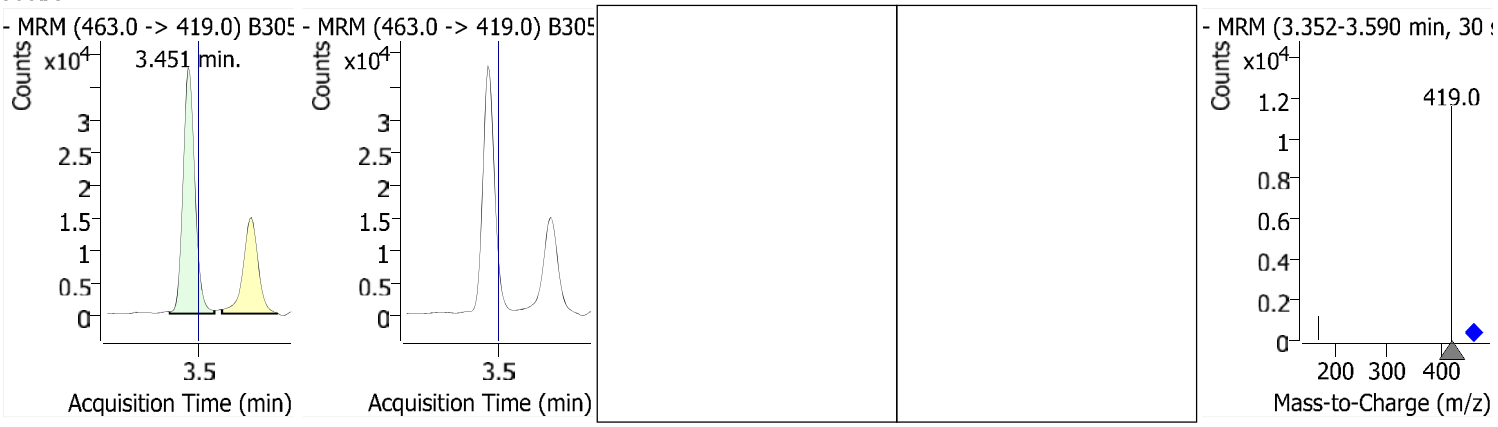
PFHxA



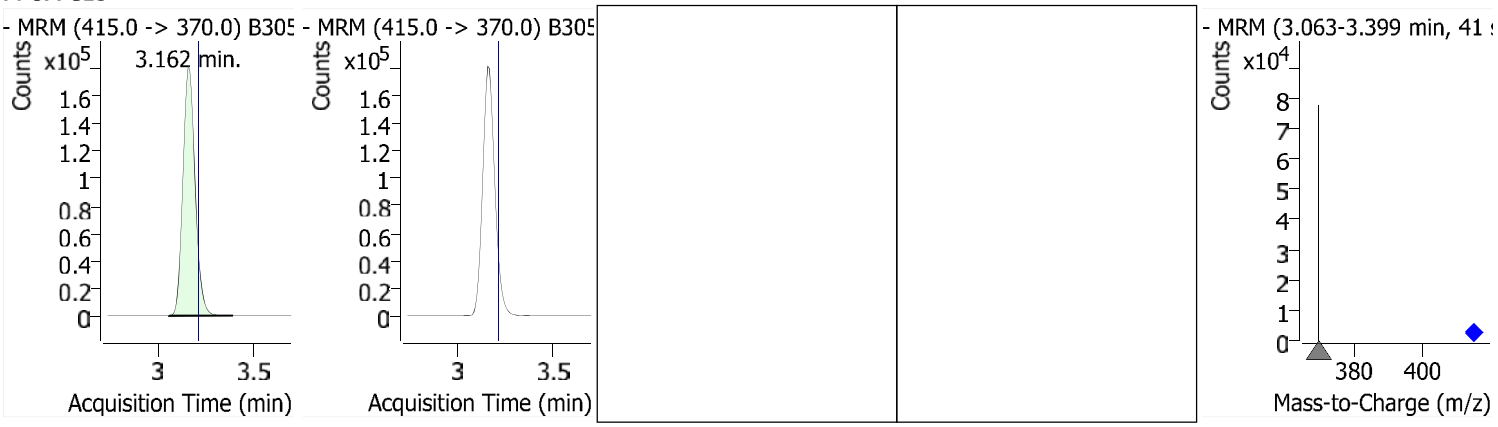
PFHxS



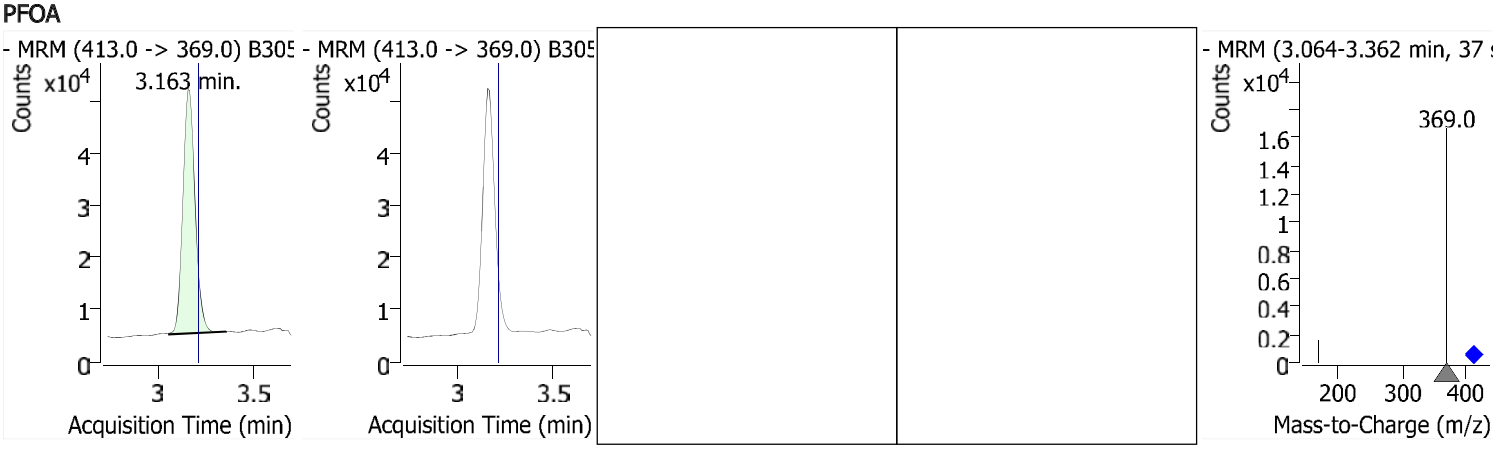
PFNA



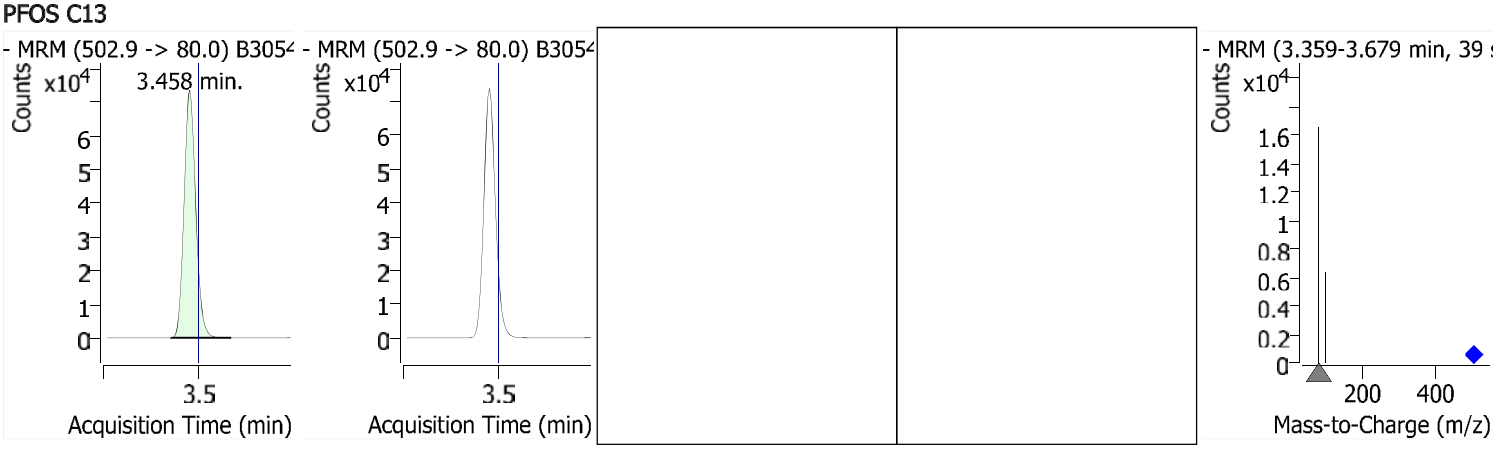
PFOA C13



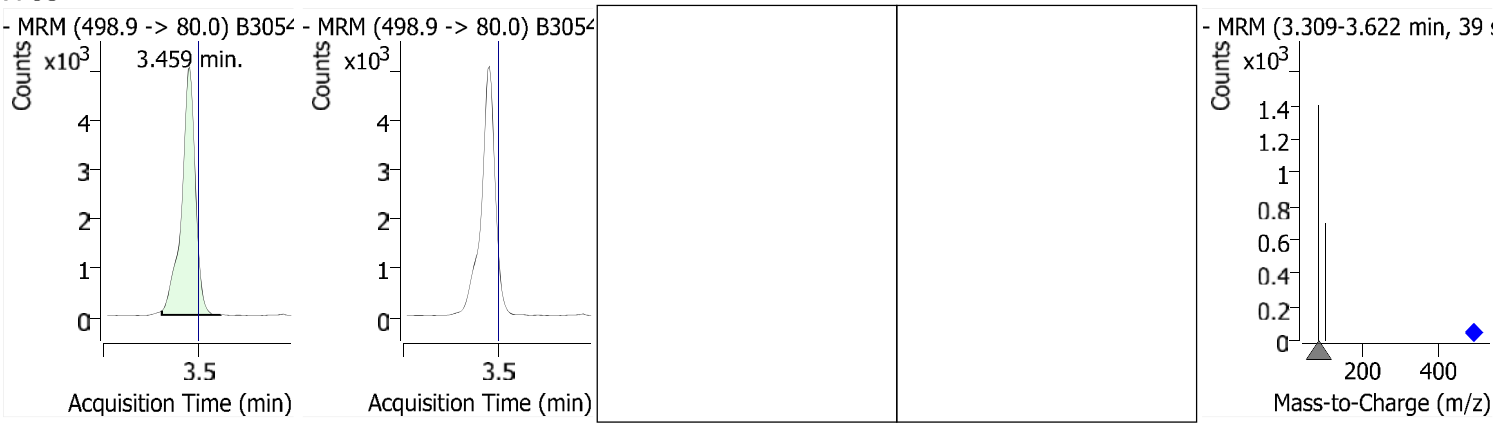
PFOA



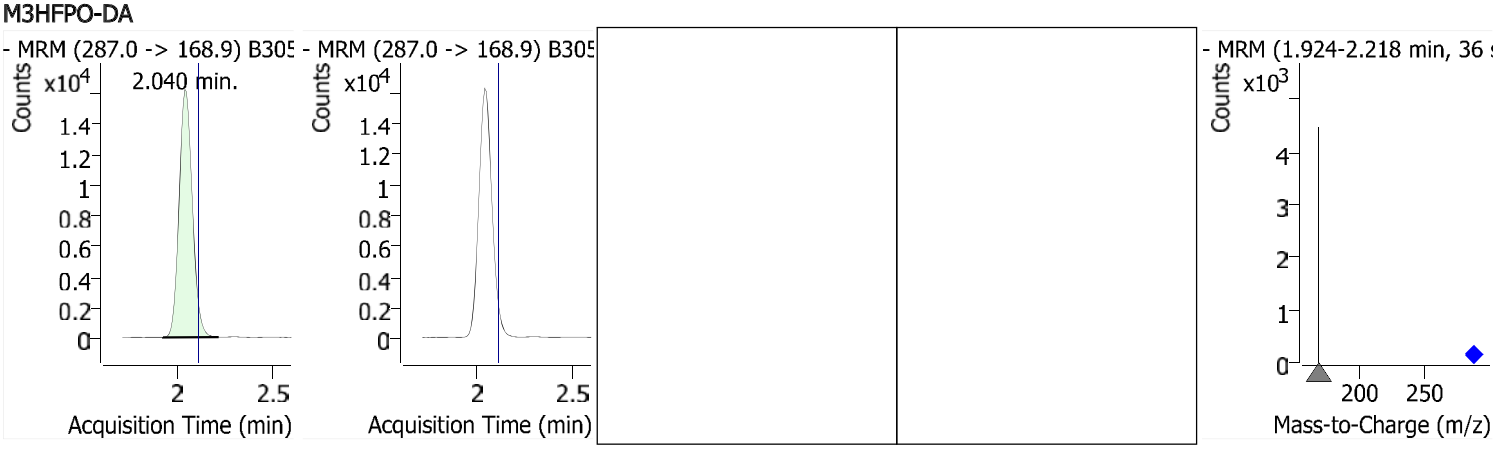
PFOS C13



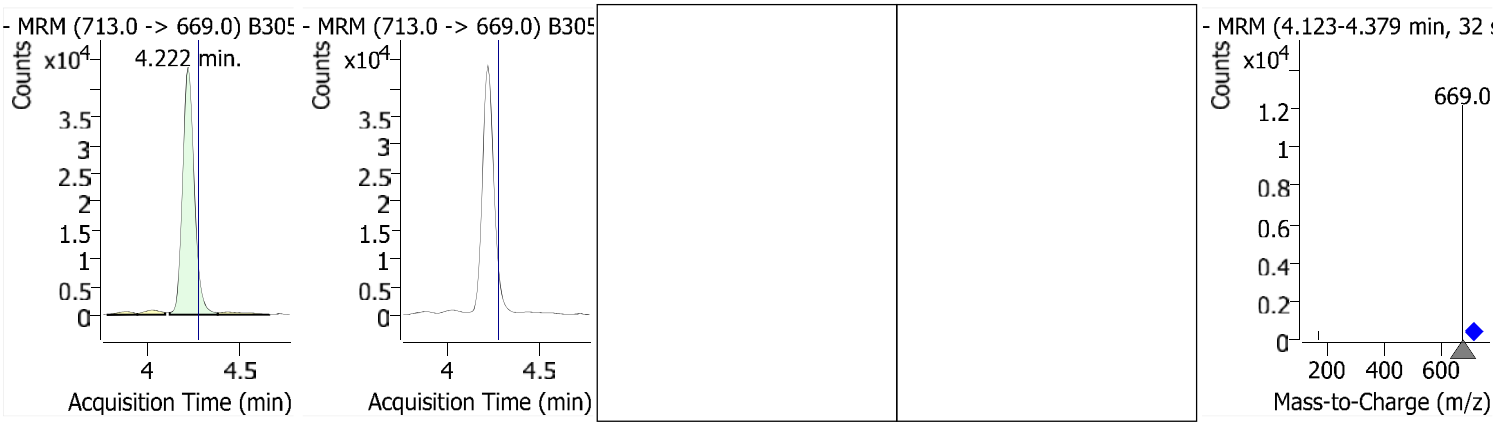
PFOS



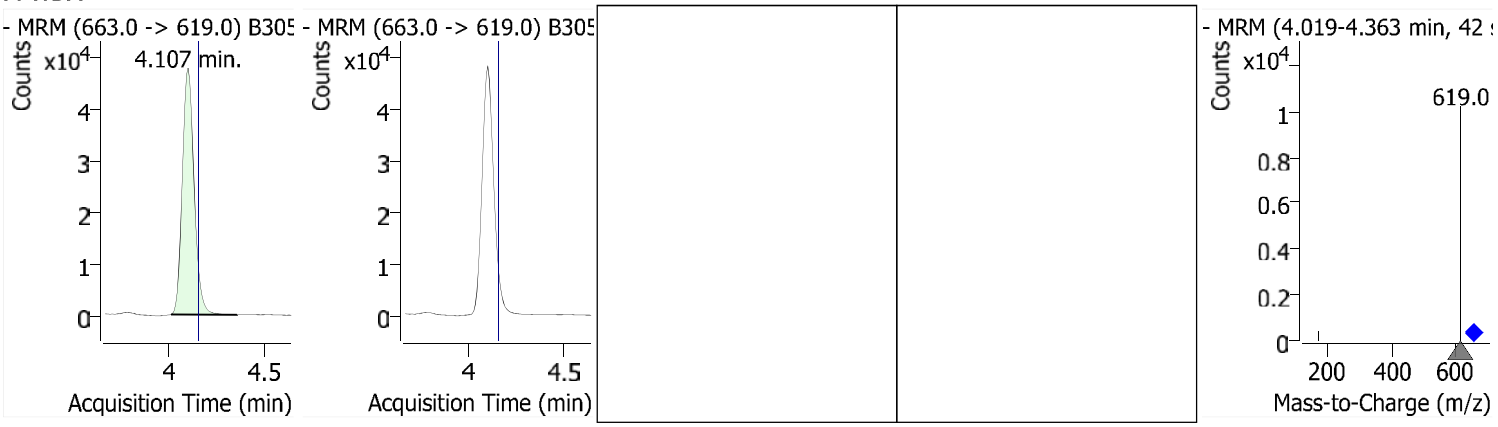
M3HFPO-DA



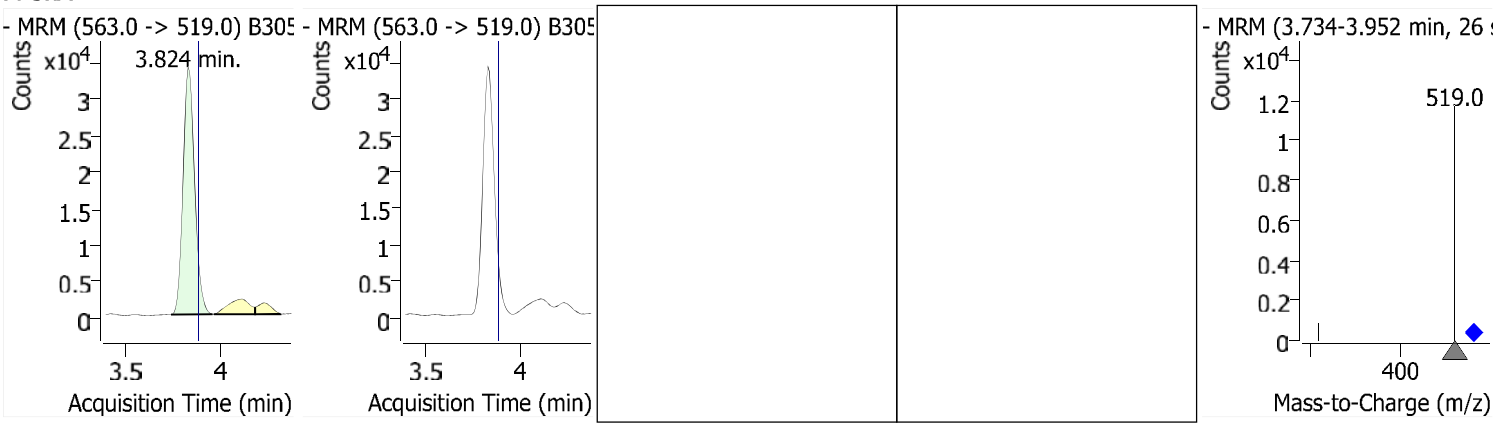
PFTA



PFTrDA



PFUnA


- MRM (563.0 -> 519.0) B305
Counts
x10^4
3.824 min.
Acquisition Time (min)
- MRM (563.0 -> 519.0) B305
Counts
x10^4
Acquisition Time (min)
- MRM (3.734-3.952 min, 26
Counts
x10^4
519.0
Mass-to-Charge (m/z)

PREPARATION BENCH SHEET

Printed: 4/10/2022 10:15:44AM

Analysis
PFAS 537.1

B305410

Con-Test, a Pace Analytical Laboratory

Prepared using: EPA 537.1

Surrogate Solution
~~2203386~~ Surr 537SS-R1
2203439 JLK 4-11-22

Spiking Solution
~~2204124~~ 537.1 LCS
2204262 JLK 4-11-22

Matrix: Drinking Water

Hood 1

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH Cl Chk	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
B305410-BLK1	Blank				6.4 ✓				10	
B305410-BS1	LCS				⊥			25	10	
B305410-MS1	Matrix Spike [22D0549-15] S9-1B				7.2			25	10	
B305410-MSD1	Matrix Spike Dup [22D0549-15]				⊥			25	10	
~~22D0256-03RE1~~	~~FY83-0002 (Pre-Treatment) S8-C~~	~~04/19/22~~	~~04/18/22~~						10	~~Re-extract added 4/8/2022 by DRL, SURR LOW~~
22D0549-01	907017-MW-116S ~~S8~~ S9-1B	04/19/22	04/20/22		7.2 ✓				10	
22D0549-02	907017-MW-109S	04/19/22	04/20/22						10	
22D0549-03	907017-MW-113S	04/19/22	04/20/22						10	
22D0549-04	907017-DUP-04062022	04/19/22	04/20/22						10	
22D0549-05	907017-MW-101	04/19/22	04/19/22						10	
22D0549-06	907017-MW-117S	04/19/22	04/20/22						10	
22D0549-07	907017-MW-118S	04/19/22	04/20/22						10	
22D0549-08	907017-MW-114S	04/19/22	04/19/22						10	
22D0549-09	907017-MW-115S	04/19/22	04/19/22						10	
22D0549-10	907017-MW-102I	04/19/22	04/19/22						10	
22D0549-11	907017-MW-102S	04/19/22	04/19/22						10	
22D0549-12	907017-MW-117D	04/19/22	04/19/22						10	
22D0549-13	907017-MW-117I	04/19/22	04/19/22						10	
22D0549-14	907017-MW-109I	04/19/22	04/20/22		⊥				10	

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JLK 4/11/22
Spikedby/Witnessed By Date

JLK 4-11-22
Extracted By Date

PREPARATION BENCH SHEET

Printed: 4/10/2022 10:15:44AM

Analysis
PFAS 537.1

B305410

Con-Test, a Pace Analytical Laboratory

Prepared using: EPA 537.1

Surrogate Solution
2203386 Surr 537SS-R1

Spiking Solution
2204124 537.1 LCS

Matrix: Drinking Water

Lab Number	Sample ID and Source Sample	Due Date	Expires	Concentrated	pH Cl Chk	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
22D0549-15	907017-MW-109D 59-1 B7	04/19/22	04/20/22		7.2 ✓				10	MS/MSD
22D0549-16	907017-RB-04052022 B8	04/19/22	04/19/22		1				10	
22D0549-17	907017-FB-04052022 B9	04/19/22	04/19/22		1				10	
22D0549-18	907017-RB-04062022 B10	04/19/22	04/20/22		7				10	
22D0549-19	907017-FB-04062022 B11	04/19/22	04/20/22		1				10	

Start Date/Time _____

StopDate/Time _____

Standard ID#	Description	Manufacture Lot#
2111474	Narrow Range pH Strips	n/a
2201187	Ammonium Acetate, 5M aq. soln.	am9070g
2202224	SenSafe chlorine check	N/A
2203433	Methanol	216552
2203437	Strata SDBL Styrene-Divinylbenze	S214-0124
2204005	Centrifuge Tube 15mL	33121001

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Spikedby/Witnessed By _____ Date _____

Extracted By _____ Date _____

ANALYSIS SEQUENCE

S070364

Instrument: QQQ2

Calibration ID: 2200181

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client
S070364-CCV1	QC		1		2203535	2203385	
B305410-BS1	QC		2			2203385	
B305410-BLK1	QC		3			2203385	
B305410-MS1	QC		4			2203385	
B305410-MSD1	QC		5			2203385	
22D0549-01	PFAS 537.1	A	6			2203385	
22D0549-02	PFAS 537.1	A	7			2203385	
22D0549-03	PFAS 537.1	A	8			2203385	
22D0549-04	PFAS 537.1	A	9			2203385	
22D0549-05	PFAS 537.1	A	10			2203385	
22D0549-06	PFAS 537.1	A	11			2203385	
22D0549-07	PFAS 537.1	A	12			2203385	
22D0549-08	PFAS 537.1	A	13			2203385	
22D0549-09	PFAS 537.1	A	14			2203385	
22D0549-10	PFAS 537.1	A	15			2203385	
S070364-CCV2	QC		16		2203538	2203385	
22D0549-11	PFAS 537.1	A	17			2203385	
22D0549-12	PFAS 537.1	A	18			2203385	
22D0549-13	PFAS 537.1	A	19			2203385	
22D0549-14	PFAS 537.1	A	20			2203385	
22D0549-15	PFAS 537.1	A	21			2203385	
22D0549-16	PFAS 537.1	A	22			2203385	
22D0549-17	PFAS 537.1	A	23			2203385	
22D0549-18	PFAS 537.1	A	24			2203385	
22D0549-19	PFAS 537.1	A	25			2203385	
S070364-CCV3	QC		26		2203535	2203385	

Samples Loaded By Date

Data Processed By Date

Appendix G

Data Validation Report

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ENVIRONMENTAL DATA SERVICES, LTD.

DATA VALIDATION REPORT

Carroll Landfill

SDGs: 22D0541 and 22D0549

Chemical Analyses Performed by:

Con-Test
Pace Analytical Laboratory

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering, Science and Technology, Inc.

August 22, 2022

5 Brilliant Avenue, Pittsburgh, PA 15215
412.408.3288 I www.eds-pa.com

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR TOTAL AND DISSOLVED METALS AND MERCURY

PROJECT: Carroll Landfill

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Pace Con-Test, MA

SAMPLE DELIVERY GROUP: 22D0541

SAMPLE DATES: 04/05/2022-04/06/2022

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
907017-MW-116S	22D0541-01
907017-MW-109S	22D0541-02
907017-MW-113S	22D0541-03
907017-DUP-20220406	22D0541-04
907017-MW-101	22D0541-05
907017-MW-117S	22D0541-06
907017-MW-118S	22D0541-07
907017-MW-114S	22D0541-08
907017-MW-115S	22D0541-09
907017-MW-102I	22D0541-10
907017-MW-102S	22D0541-11
907017-MW-117D	22D0541-12
907017-MW-117I	22D0541-13
907017-MW-109I	22D0541-14
907017-MW-109D	22D0541-15
907017-RB-20220405	22D0541-16
907017-FB-20220405	22D0541-17
907017-RB-20220406	22D0541-18
907017-FB-20220406	22D0541-19

The samples described above were analyzed via United States Environmental Protection Agency (USEPA) SW-846 Method 6010D to determine the concentrations of metals and Method 7471A 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.

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 delivery group were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples contained in this delivery group were prepared and analyzed within the holding times established in the method and validation criteria.

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 with the following exceptions.

Total arsenic was positively detected in method blank (B305691-BLK1). No field samples in this SDG are associated with this non-compliant method blank.

Field or Rinse Blank Contamination

Samples 907017-FB-20220405 and 907017-FB-20220406 were submitted as field blanks in association with the samples in this SDG. No problems were found with this criterion with the following exceptions. Lead was positively detected in 907017-FB-20220406. All results reported for lead in the associated samples collected on 04/06/2022 were non-detected, therefore, validation action was not required.

Samples 907017-RB-20220405 and 907017-RB-20220406 were submitted as rinse blanks in association with samples in this SDG. No problems were found with this criterion with the following exceptions. Zinc was positively detected in 907017-RB-20220405. Positive sample results for zinc in the associated samples collected on 04/05/2022 have been evaluated and qualified per validation guidance as appropriate.

CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. 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.

Initial and Continuing Calibration Verification

All initial and continuing calibration verifications that bracketed sample analyses associated with the sample delivery group were within acceptance limits (90-110% recovery for all metals exception mercury 85-115%).

Initial and Continuing Calibration Blanks

All initial and continuing calibration blanks (ICB/CCBs) were analyzed at the proper frequency. 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 instrument blanks (ICB and CCB) associated with the samples in this SDG were evaluated. No problems were found for this criterion.

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 907017-MW-109D 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.

Field blank sample 907017-FB-20220406 was submitted for MS evaluation in association with this SDG. Upon evaluation accuracy was acceptable.

LABORATORY DUPLICATE

Field blank sample 907017-FB-20220406was analyzed as a laboratory duplicate in association with these samples. Adequate laboratory precision was demonstrated.

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.

Laboratory control samples and LCS duplicates were processed at the proper frequency. Upon evaluation, all precision and accuracy indicators were favorable.

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 907017-MW-116S and 907017-DUP-04062022 were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated the exception of aluminum and iron. Results reported for the impacted analytes in the field duplicate samples have been qualified “J” estimated on this basis.

ICP INTERFERENCE CHECK SAMPLE

An ICP interference check sample (ICS) was analyzed for ICP-AES. All elements in the ICP-AES interference check sample solution ICSA were found to be 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 exhibited acceptable recoveries (80-120% limits).

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.

No sample was analyzed as a serial dilution in association with the samples in this SDG.

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			x
Initial Calibration	x		
Initial and Continuing Calibration Verification	x		
Initial and Continuing Calibration Blanks	x		
Matrix Spike/Matrix Spike Duplicate	x		
Laboratory Duplicate	x		
Laboratory Control Sample	x		
Field Duplicate			x
ICP Interference Check Sample	x		
ICP Serial Dilution	NA		
Other	x		

	Were acceptance criteria met?		
	Yes	No	
Mercury		Major	Minor
Holding Time	x		
Calibration	x		
Blank Contamination	x		
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.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR SEMIVOLATILES

PROJECT: Carroll Landfill

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Pace Con-Test- East Longmeadow, MA

SAMPLE DELIVERY GROUP: 22D0541

SAMPLE DATES: 04/5/2022 and 04/6/2022

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
907017-MW-116S	22D0541-01
907017-MW-109S	22D0541-02
907017-MW-113S	22D0541-03
907017-DUP-20220406	22D0541-04
907017-MW-101	22D0541-05
907017-MW-117S	22D0541-06
907017-MW-118S	22D0541-07
907017-MW-114S	22D0541-08
907017-MW-115S	22D0541-09
907017-MW-102I	22D0541-10
907017-MW-102S	22D0541-11
907017-MW-117D	22D0541-12
907017-MW-117I	22D0541-13
907017-MW-109I	22D0541-14
907017-MW-109D	22D0541-15
907017-RB-20220405	22D0541-16
907017-FB-20220405	22D0541-17
907017-RB-20220406	22D0541-18
907017-FB-20220406	22D0541-19

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.”

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.

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.

Field Blanks

The samples listed below were submitted as rinse/field blanks in association with this sample collection event.

907017-FB-20220405	*907017-FB-20220405*
907017-RB-20220405	*907017-RB-20220405*

No problems were found for this criterion.

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.

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 %RSD for benzidine, 2,4-dinitrophenol, hexachlorocyclopentadiene did not meet acceptance criteria during one ICAL on instrument GCMSSV3 associated with samples 907017-MW-117S and 907017-MW-118S. All results reported for the impacted analytes were non-detected, therefore, no qualification was necessary on this basis.

The observed %D for the analytes benzidine, 4-chloroaniline, and 3,3-dichlorobenzidine did not meet acceptance criteria during a ICV associated with samples 907017-MW-117S and

907017-MW-118S. The non-detected results reported for the associated samples have been qualified estimated "UJ" on this basis.

The observed %RSD for benzidine did not meet acceptance criteria during one ICAL on instrument GCMSSV4 associated with the samples listed below.

907017-MW-116S	*907017-MW-115S*	*907017-MW-109D*
907017-MW-109S	*907017-MW-102I*	*907017-RB-20220405*
907017-MW-113S	*907017-MW-102S*	*907017-FB-20220405*
907017-DUP-20220406	*907017-MW-117D*	*907017-RB-20220406*
907017-MW-101	*907017-MW-117I*	*907017-FB-20220406*
907017-MW-114S	*907017-MW-109I*	

All results reported for the impacted analytes were non-detected, therefore, no qualification was necessary on this basis.

The observed %D for the analytes listed below did not meet acceptance criteria during a ICV.

benzidine	*4-chloroaniline*	*3,3-dichlorobenzidine*
dimethyl phthalate	*3-nitroaniline*	*pyridine*

The samples listed below are associated with the non-compliant ICV.

907017-MW-116S	*907017-MW-115S*	*907017-MW-109D*
907017-MW-109S	*907017-MW-102I*	*907017-RB-20220405*
907017-MW-113S	*907017-MW-102S*	*907017-FB-20220405*
907017-DUP-20220406	*907017-MW-117D*	*907017-RB-20220406*
907017-MW-101	*907017-MW-117I*	*907017-FB-20220406*
907017-MW-114S	*907017-MW-109I*	

The non-detected results reported for the associated samples have been qualified estimated "UJ" on this basis.

The observed %D for the analytes aniline, benzidine, and bis(2-chloroisopropyl)ether did not meet acceptance criteria during one CCV associated with the samples listed below.

907017-DUP-20220406	*907017-MW-114S-20220405*
907017-MW-101-20220405	*907017-MW-115S-20220405*
907017-MW-113S-20220405	

The non-detected results reported for the associated samples have been qualified estimated "UJ" on this basis.

The observed %D for the analytes aniline and benzidine did not meet acceptance criteria during one CCV associated with the samples listed below.

907017-FB-20220405	*907017-MW-117D-20220405*
907017-MW-102I-20220405	*907017-MW-117I-20220405*
907017-MW-102S-20220405	*907017-RB-20220405*

The non-detected results reported for the associated samples have been qualified estimated "UJ" on this basis.

The observed %D for the analytes listed below did not meet acceptance criteria during a CCV associated with samples 907017-MW-109S-20220406 and 907017-MW-116S-20220406 .

benzidine	*aniline*
Bis(2-chloroisopropyl)ether	*Bis(2-chloroethyl)ether*

The non-detected results reported for the associated samples have been qualified estimated "UJ" on this basis.

The observed %D for the analytes listed below did not meet acceptance criteria during a CCV associated with samples 907017-MW-117S-20220406 and 907017-MW-118S-20220406 on instrument GCMSSV3.

benzidine	*dibenz(a,h)anthracene*
dibenzofuran	*hexachlorocyclopentadiene*

The non-detected results reported for the associated samples have been qualified estimated "UJ" on this basis.

The observed %D for the analytes aniline, benzidine, and bis(2-chloroisopropyl)ether did not meet acceptance criteria during one CCV associated with the samples listed below.

907017-FB-20220406	*907017-MW-109I-20220406*
907017-MW-109D-20220406	*907017-RB-20220406*

The non-detected results reported for the associated 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.

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.

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.

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.

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 907017-MW-109D was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation precision and accuracy were favorable with the following exceptions. The observed recoveries for the analytes listed below were lower than the lowest acceptance limits.

benzoic acid	*n-nitrosodimethylamine*
phenol	*pyridine*

The non-detected results reported for the associated analytes in the parent sample have been qualified "UJ" on this basis.

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 benzidine 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 on this basis.

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.

OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

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 907017-DUP-20220406 and 907017-MW-116S were analyzed as a field duplicate pair in association with this SDG. Adequate field precision was demonstrated.

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	
Semivolatile Organics 8270D		Major	Minor
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.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

PROJECT: Carroll Landfill

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Pace Con-Test- East Longmeadow, MA

SAMPLE DELIVERY GROUPS: 22D0541

SAMPLE DATES: 04/5/2022 and 04/6/2022

The above sample delivery group (SDG) consists of the following samples:

Client Sample ID	Laboratory Sample ID
907017-MW-116S	22D0541-01
907017-MW-109S	22D0541-02
907017-MW-113S	22D0541-03
907017-DUP-20220406	22D0541-04
907017-MW-101	22D0541-05
907017-MW-117S	22D0541-06
907017-MW-118S	22D0541-07
907017-MW-114S	22D0541-08
907017-MW-115S	22D0541-09
907017-MW-102I	22D0541-10
907017-MW-102S	22D0541-11
907017-MW-117D	22D0541-12
907017-MW-117I	22D0541-13
907017-MW-109I	22D0541-14
907017-MW-109D	22D0541-15
907017-RB-20220405	22D0541-16
907017-FB-20220405	22D0541-17
907017-RB-20220406	22D0541-18
907017-FB-20220406	22D0541-19
TRIP BLANK-20220406	22D0541-20

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.”

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 delivery group were received by the laboratory within the proper temperature range as specified in the validation guidance.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines.

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 delivery group 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 sample delivery group (SDG).

Trip Blanks

Sample TRIP BLANK-20220406 is the trip blank submitted in association with this SDG. No problems were found for this criterion.

Field Blanks

Sample 907017-FB-20220405 was submitted as a field blank in association with samples collected on 4/5/2022 in this SDG. Acetone was positively detected. Positive results reported for acetone in the associated samples have been evaluated and no qualification was necessary on this basis.

Sample 907017-FB-20220406 was submitted as a field blank in association with samples collected on 4/6/2022 in this SDG. Acetone was positively detected. Positive results reported for acetone in the associated samples have been evaluated and qualified per validation guidance on this basis.

Sample 907017-RB-20220405 was submitted as a rinse blank in association with samples collected on 4/5/2022 in this SDG. Acetone was positively detected. Positive results reported for acetone in the associated samples have been evaluated and no qualification was necessary on this basis.

Sample 907017-RB-20220406 was submitted as a rinse blank in association with samples collected on 4/6/2022 in this SDG. Acetone was positively detected. Positive results reported for acetone in the associated samples have been evaluated and no qualification was necessary on this basis.

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.

CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration (ICAL) curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verification (CCV) 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 8260 were found to be acceptable in all cases with the following exception.

The RRF for 1,4-dioxane was outside of acceptance limits for the ICAL associated with all samples in this SDG. All results reported for 1,4-dioxane in all samples were non-detected, therefore, have been qualified “R” (rejected) on this basis.

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 ≤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 ≤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 for method 8260 with the following exceptions.

The observed %RSD for bromomethane during the initial calibration did not meet acceptance criteria. All samples in this SDG are associated with the noncompliant initial calibration. All results reported for bromomethane in all samples were non-detected, therefore, no qualification was necessary on this basis.

The observed %D’s for bromomethane and chloromethane did not meet acceptance criteria during in ICV associated with all samples in this SDG. All results reported for bromomethane and chloromethane were non-detected, therefore, have been qualified “UJ” on this basis.

The observed %D’s for bromomethane and chloromethane did not meet acceptance criteria in one CCV associated with all samples in this SDG. All results reported for bromomethane and chloromethane have been previously qualified, therefore, no further qualification was necessary on this basis.

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.

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 for method 8260 in all cases.

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 $\pm$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 for method 8260. 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.

No volatile TICs were reported.

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 907017-MW-109D was submitted for MS/MSD evaluation in association with this sample delivery group (SDG). Upon evaluation precision and accuracy indicators were favorable with the following exceptions. The observed recovery for bromomethane was higher than the highest acceptance limit during both the MS and MSD evaluations. The parent sample result for the impacted analyte is non-detected, therefore, no qualification was necessary on this basis. The observed recovery for chloromethane was lower than the lowest acceptance limit during both the MS and MSD evaluations. The parent sample result for the impacted analyte was non-detected, therefore, has been qualified “UJ” on this basis.

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. All precision and accuracy criteria were found to be favorable with the following exceptions.

The LCS (B305454-BS1) had observed recoveries for bromomethane that are higher than the highest acceptance limits in both the LCS and LCSD. All samples in this SDG are associated with the non-compliant LCS. All results reported for bromomethane were non-detected, therefore, validation action was not required.

REPORTING

No dilutions, re-extractions, or re-analyses were present in this SDG.

OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

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 907017-DUP-20220406 and 907017-MW-116S were submitted as field duplicate pair in association with this SDG. Upon evaluation adequate field precision was demonstrated.

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 8260		**Major**	**Minor**
Holding Time	x		
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	x		
Field Blanks			x
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.

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR PER-FLUORINATED ALKYL ACIDS

PROJECT: Carroll Landfill

CLIENT: EA Engineering, Science, and Technology, Inc.

LABORATORY: Pace Con-Test, MA

SAMPLE DELIVERY GROUPS: 22D0549

SAMPLE DATES: 04/05/2022-04/06/2022

This sample delivery group consists of the following samples:

Client Sample ID	Laboratory Sample ID
907017-MW-116S	22D0549-01
907017-MW-109S	22D0549-02
907017-MW-113S	22D0549-03
907017-DUP-04062022	22D0549-04
907017-MW-101	22D0549-05
907017-MW-117S	22D0549-06
907017-MW-118S	22D0549-07
907017-MW-114S	22D0549-08
907017-MW-115S	22D0549-09
907017-MW-102I	22D0549-10
907017-MW-102S	22D0549-11
907017-MW-117D	22D0549-12
907017-MW-117I	22D0549-13
907017-MW-109I	22D0549-14
907017-MW-109D	22D0549-15
907017-RB-20220405	22D0549-16
907017-FB-20220405	22D0549-17
907017-RB-20220406	22D0549-18
907017-FB-20220406	22D0549-19

Performance criteria specified in the analytical method, USEPA 537.1, Determination of Selected Per-fluorinated Alkyl Acids (PFAAs) in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS), Version 2.0, March 2020; as well as the New York Department of Environmental Conservation Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, January 2021, 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 sample delivery group (SDG) were received by the laboratory within the proper temperature range as specified in the validation and method guidance.

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 SDG at the specified frequency. No problems were found for this criterion.

Calibration Blanks

Calibration blanks were not analyzed. No sample result validation was performed on this basis.

Field Blanks

Samples 907017-FB-20220405 and 907017-FB-20220406 were submitted as field blanks in association with the samples in this SDG. No problems were found with this criterion.

Samples 907017-RB-20220405 and 907017-RB-20220406 were submitted as rinse blanks in association with samples in this SDG. No problems were found with this criterion.

3. PEAK ASYMMETRY FACTOR

A peak asymmetry factor must be calculated initially and every time a calibration curve is generated. The peak asymmetry factor for the first two eluting peaks in a midlevel calibration standard must fall in the range of 0.8 to 1.5.

Peak asymmetry factors were not provided and therefore were not assessed.

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.

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.

An 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 following QC criteria have been applied for this project: The %RSD of initial calibration must be <20%.

The %D for all analytes in the continuing calibration must be <30% with the exception of the lowest level continuing calibration which must have all a %D for all analytes <50%. 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 and continuing calibration %RSD and %D values were within defined QC criteria for all target analytes.

5. **INTERNAL STANDARDS PERFORMANCE**

Internal standard performance criteria are meant to ensure that the liquid chromatograph/tandem mass spectrometer (LC/MS/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than +/- 50% from the associated midlevel initial calibration standard. The retention time of the internal standard must not vary by more than +/-30 seconds from the associated midlevel initial calibration standard. The area count must be within -50% to 150% range of the associated standard. If area count is >150%, 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-detects are qualified "R," rejected.

No problems were found for this criterion.

6. **ISOTOPE DILUTION STANDARDS / SURROGATES**

All samples are spiked with isotope dilution or surrogate compounds prior to sample preparation and analyses to evaluate overall laboratory performance and efficiency of the analytical technique.

No problems were found for this criterion.

7. **COMPOUND IDENTIFICATION**

Per-fluorinated Compounds

The project target analyte compounds are identified on the LC/MS/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 with primary and when available secondary characteristic ions present. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All samples were evaluated at a Stage level 4.

The actual ratios of quantifier ion to qualifier ion or the laboratory's criteria were not provided by the laboratory for evaluation. In addition, signal to noise ratios for quantifier ions were not provided by the laboratory for evaluation. Therefore, these criteria were not assessed.

8. MATRIX SPIKE/MATRIX 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. A matrix 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.

Sample 907017-MW-109D was submitted for MS/MSD evaluation in association with this SDG. Upon evaluation all precision and accuracy indicators were favorable.

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.

No problems were found for this criterion.

10. REPORTING

No problems were found for this criterion.

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 907017-MW-116S and 907017-DUP-04062022 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	
Per-fluorinated Compounds		Major	Minor
Holding Time/Sample Handling	x		
Method Blanks / Calibration Blanks	x		
Field Blanks	x		
Peak Asymmetry Factor	NA		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards Performance	x		
Isotope Dilution Standards / Surrogates	x		
Compound Identification	x		
Matrix Spike/Matrix Duplicate	x		
Laboratory Control Sample	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.
UJ-	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise, and the result may be biased low.
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.
EMPC	The result is an estimated maximum potential concentration.